Schweizerische Präsenz an internationalen Forschungsfronten 1999

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December 2002 CEST 2002/8

Impressum

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Edition	CEST Inselgasse 1; CH-3003 Bern Tel. +41-31-324 33 44 Fax +41-31-322 80 70 www.cest.ch
Information	A. Roulin Perriard Tel. +41-31 322 96 73 anne.roulin@cest.admin.ch
ISBN	3-908194-34-2

Préface de l'éditeur

L'identification des fronts de recherche par des méthodes bibliométriques répond aux besoins des responsables en charge de la recherche et des scientifiques qui cherchent à savoir quels sont les thèmes de recherche émergents à une période donnée et quels en sont les acteurs institutionnels, voire individuels, aux niveaux national et international.

L'analyse de co-citation est aujourd'hui l'une des principales méthodes utilisées pour l'étude empirique des structures de communication scientifique (« mapping of science »). Indépendante de toute classification disciplinaire, cette approche repose sur une démarche scientifique complémentaire aux travaux bibliométriques réalisés par le CEST.

Cette étude s'inscrit dans une série de travaux mandatés précédemment à différentes institutions spécialisées dans l'analyse des fronts de recherche, tant dans le domaine de la *co-citation analysis* que dans celui de la *co-word analysis*[1]. Elle a été réalisée par l'Institut für Wissenschafts- und Technikforschung (IWT) de l'Université de Bielefeld (D).

L'étude

- permet d'identifier les 150 fronts de recherche dans lesquels la Suisse joue un rôle prépondérant, et
- contient toutes les informations relatives aux publications contenues dans les fronts, aux revues scientifiques dans lesquelles celles-ci ont été publiées, à la participation des institutions et des pays qui y sont actifs.

Alors que les deux précédents rapports réalisés pour le compte du CEST étaient consacrés à des thèmes de recherche bien précis – la recherche sur le climat et les neurosciences; informatique & mathématique – les fronts de recherche identifiés ici se rapportent à vingt-deux domaines scientifiques (afin de permettre un premier repérage, les fronts de recherche sont, dans un premier temps, classés par catégorie disciplinaire).

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[1] Les résultats de ces analyses ont été publiés dans différentes séries du Conseil suisse de la science, puis dans la série du CEST:

- Peter Weingart, Roswitha Sehringer, Jörg Strate, Matthias Winterhager (Universitätschwerpunkt Wissenschaftsforschung IWT, Universität Bielefeld), Der Stand der schweizerischen Grundlagenforschung im internationalen Vergleich. Wissenschaftsindikatoren auf der Grundlage bibliometrischer Daten, in Schweizerischer Wissenschaftsrat und Schweizerischer Nationalfonds (Hrsg.), Supplément no 44, *Politique de la science*, 1989.
- Conseil suisse de la science, *La place scientifique suisse. Horizon 1995. Objectifs de la politique suisse en matière de recherche. Propositions du Conseil de la science au Conseil fédéral. Période 1992-1995*, Berne 1989, pp. 11-13 et 106-130.
- Matthias Winterhager und Holger Schwechheimer (Institut für Wissenschafts- und Technikforschung, Universität Bielefeld), Bibliometrische Analyse hochdynamischer Forschungsfronten in der Klimaforschung und in den Neurowissenschaften, in Geschäftsstelle des Schweizerischen Wissenschaftsrates (éd.), *Fakten und Bewertungen* Nr. 5/99, Bern 1999.
- E.C.M. Noyons and A.F.J. van Raan (Centre for Science and Technology Studies CWTS, University of Leiden), Mapping of Computer Science & Mathematics. The role of Switzerland, in Report to the Center for Science and Technology Studies CEST (December 2000), http://www.cest.ch/Publikationen/2000/am/math_leiden/start.htm

En outre, le précédent rapport basé sur l'analyse de co-citation était destiné à l'identification des fronts de recherche particulièrement dynamiques, alors que la présente étude repose sur une sélection en fonction des noyaux dans lesquels la Suisse a pris une part particulièrement active.

La représentation de l'activité scientifique issue de l'analyse de co-citation gagne à être validée et interprétée par des experts des différents domaines. De nombreuses expériences montrent que les « cartes de la science » transmises par l'analyse de co-citation constituent un outil utile pour l'identification et la caractérisation des fronts de recherche interdisciplinaires.

Inhaltsverzeichnis

1 Einleitung

Die Identifikation und analytische Bewertung von wissenschaftlichen Spezialgebieten ist zu einem wichtigen Thema im Bereich der Wissenschaftssteuerung geworden. Das exponentielle Wachstum der Wissenschaft in den letzten Jahrzehnten hat zu einer immer grösser werdenden Innendifferenzierung und Spezialisierung geführt.[1] Dabei entstehen neue Spezialgebiete häufig gerade an den Grenzen der grossen etablierten Disziplinen, bzw. zwischen ihnen. Die moderne Bibliometrie stellt Methoden bereit, mit denen das Aufspüren und Analysieren solcher Forschungsfronten möglich wird - auch und gerade dort, wo sie sich dem Zugriff über die klassischen disziplinären Kategorien widersetzen.

Ziel der vorliegenden Untersuchung ist die Identifikation und Analyse der wichtigsten Forschungsfronten, an denen in der Schweiz tätige Forschende 1999 beteiligt waren. Schwerpunkte schweizerischer Forschungsaktivität werden durch ein bibliometrisches Profil auf der Grundlage einer Ko-Zitationsanalyse transparent gemacht.

Die mit der Ko-Zitationsanalyse identifizierten Forschungsfronten liefern eine Abbildung der aktuellen Forschungslandschaft, die allein auf der Auswertung der Ströme formaler Kommunikation (Publikationen und Zitationen) beruht. In diesem Sinne ist das Verfahren unabhängig von bestehenden Klassifikationsschemata, disziplinären Zuordnungen und subjektiven Sichtweisen einzelner Experten. Es nutzt lediglich die durch die publizierenden Forscherinnen und Forscher selbst realisierten kognitiven Bezüge, um aktuelle Forschungsfronten zu identifizieren und ihre Relationen zueinander darzustellen.

Der Bericht dokumentiert zunächst das Ergebnis der Suche nach den Forschungsfronten mit schweizerischer Beteiligung. Als Datenbasis wurde eine Ko-Zitationsanalyse des Jahrgangs 1999 des *Science Citation Index Expanded* und des *Social Sciences Citation Index* herangezogen. Diese Datenbasis besteht aus insgesamt 22942 Forschungsfronten aus allen disziplinären Bereichen (http://www.isinet.com/isi/products/rsg/products/rf/). Die Forschungsfronten werden ohne vorgängige disziplinäre Kategorisierungen generiert und sind daher in besonderer Weise geeignet, interdisziplinäre Entwicklungen abzubilden. Aus dem Gesamtdatenbestand aller Fronten des Jahrgangs 1999 wurden diejenigen 2.404 ausgewählt, in deren Kern mindestens eine Publikation schweizerischen Ursprungs enthalten ist.

Diese Fronten sind in den Tabellen auf den folgenden Seiten mit einigen Kenndaten aufgeführt. Ausgewiesen ist auch die prozentuale Beteiligung schweizerischer Forschungsinstitutionen an der jeweiligen Forschungsfront. Damit werden die Schwerpunkte schweizerischer Aktivität identifizierbar. Für eine Auswahl der 150 für die Schweiz wichtigsten Forschungsfronten wurden Detaildokumentationen angefertigt, sie stellen das wichtigste Ergebnis dieser Studie dar.

[1] Vgl. Weingart, P., *Die Stunde der Wahrheit? Zum Verhältnis der Wissenschaft zu Politik, Wirtschaft und Medien in der Wissensgesellschaft*. Weilerswist 2001, 99ff.

Anders als bei konventionellen bibliometrischen Indikatoren (wie Publikations- und Zitationsraten) erlauben die Ergebnisse der Ko-Zitationsanalyse keine unmittelbare Ableitung von Bewertungen. Die Methode ist vielmehr als ein heuristisches Instrument zu verstehen, das einen von vorgängigen Expertenurteilen unabhängigen Zugang zu den über aktuelle Kommunikationszusammenhänge definierten Forschungsfronten ermöglicht.

Methode

Die Forschungsfronten wurden auf der Basis des Datenbankjahrgangs 1999 mit einer Ko-Zitationsclusteranalyse ermittelt. Basiselement der Analyse ist die Ko-Zitierung, d.h. die gemeinsame Zitierung zweier älterer Veröffentlichungen durch eine Publikation des aktuellen Jahrganges. Für jedes Ko-Zitationspaar, das im Datenbestand vorkommt, kann die Auftrittshäufigkeit bestimmt werden. Eine Grundannahme des Verfahrens ist: je häufiger zwei Veröffentlichungen *zusammen* auf den Referenzlisten dritter Publikationen aufgeführt werden (d.h. miteinander *kozitiert* werden), desto wahrscheinlicher ist auch ihre inhaltliche (kognitive) Nähe.

Für alle Paare wird ein Ähnlichkeitskoeffizient gebildet (bei dem die individuellen Zitationsraten der Teile des Paares relativierend berücksichtigt werden). Um nicht signifikante Relationen auszuschliessen und das "Rauschen" im Datenbestand zu reduzieren wird die Analyse auf hochzitierte und mehrfach kozitierte Publikationen beschränkt (durch Anwendung entsprechender Schwellenwerte). Der Ähnlichkeitskoeffizient für die verbleibenden Ko-Zitationspaare dient dann als Kriterium für ein spezielles Single-Linkage Clusterverfahren, welches die hochzitierten und jeweils stark miteinander kozitierten Veröffentlichungen in Cluster gruppiert. Die so generierten Cluster stellen die "Kerne" dar, die die hoch *zitierten* (und miteinander kozitierten) Veröffentlichungen früherer Jahre enthalten. Aussen um diese Kerne liegen die jeweiligen „Fronten" mit den (ko-)*zitierenden* Publikationen des aktuellen Jahrgangs der Datenbasis.[2]

Selektionskriterium für die Auswahl der schweizerischen Forschungsfronten war die Beteiligung mindestens eines schweizerischen Autors im Kern. Zu jeder Forschungsfront sind in den Übersichtstabellen folgende Kenndaten dokumentiert:

Nr.	Identifikationsnummer der Forschungsfront
Forschungsfront	Bezeichnung der Forschungsfront (Titelphrasen)
K	Kerngrösse (Zahl der kozitierten Publikationen)
I	„Immediacy" (Anteil „junger" Publikationen am Kern in %)
CH%	Schweizerische Publikationen am Kern (in %)

[2] Zur Methode der Ko-Zitationsanalyse vgl. Small, H. & Sweeney, E., Clustering the Science Citation Indexusing Co-citations. Part I. A Comparison of Methods. *Scientometric*s, 7, 1985, 391-409.

Als jung gelten diejenigen Veröffentlichungen im Kern, deren Publikationsdatum nicht mehr als drei Jahre hinter dem aktuellen Jahrgang der Front-Publikationen zurückliegt. Der Anteil der „jungen“ Publikationen im Kern wird so zum Indikator für die Entwicklungsdynamik oder „Schnelligkeit“ („immediacy“) der Forschungsfronten.[3]

Die Titel der Forschungsfronten sind vom Datenbankhersteller generiert und dienen nur der groben Orientierung; mit ihnen ist keine exakte Abgrenzung des jeweiligen Themenbereichs möglich. Es handelt sich um häufig vorkommende Begriffe oder Phrasen aus den Titeln der Dokumente.

Für die weitere Analyse wurden aus den 2404 Forschungsfronten mit schweizerischer Beteiligung die wichtigsten 150 Fälle ausgewählt, um diese im Detail zu analysieren und zu dokumentieren. Eine Möglichkeit, die für die Schweiz bedeutsamsten Fronten zu identifizieren, besteht in der Anwendung von Schwellenwerten für zwei bibliometrische Kennzahlen: der Kerngrösse (K: Zahl der Publikationen im Clusterkern) und dem schweizerischen Anteil daran (CH%).

Mit einer Kombination der Werte K >7 und CH% >20 konnte die Zielmenge auf knapp 150 Fronten eingegrenzt werden. Ergebnis sind die grösseren Fronten mit der stärksten schweizerischen Beteiligung. Die im Folgenden wiedergegebene Tabelle "CH Forschungsfronten 1999 - Fronten mit starker schweizerischer Beteiligung" enthält die in diesem Sinne für die Schweiz bedeutsamsten Fronten. Die Fronten in der Tabelle sind nach Kerngrösse und CH% in absteigender Reihenfolge sortiert.

Eine andere Möglichkeit zur Auswahl besteht im Zugriff über disziplinär vorsortierte Listen aller 2.404 Fronten. Hierzu wurden die Fronten folgenden Kategorien zugeordnet:

1. Agricultural Sciences
2. Astrophysics
3. Biology & Biochemistry
4. Chemistry
5. Clinical Medicine
6. Computer Sciences
7. Ecology/Environment
8. Economics & Business
9. Engineering
10. Geosciences
11. Immunology
12. Materials Science
13. Mathematics
14. Microbiology
15. Molecular Biology & Genetics
16. Multidisciplinary
17. Neurosciences
18. Pharmacology
19. Physics
20. Plant & Animal Sciences
21. Psychology/Psychiatry
22. Social Sciences, general

[3] Vgl. Schwechheimer, H. & Winterhager, M., Highly Dynamic Specialities in Climate Research. *Scientometrics*, 44(3), 1999, 547-560.

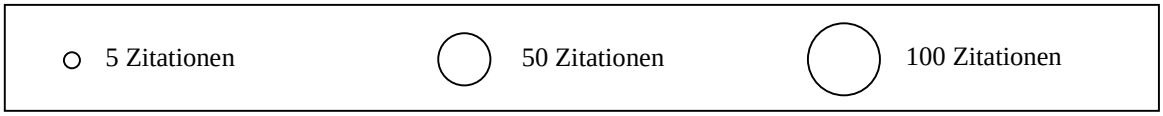
Dieses Kategoriensystem orientiert sich an den *Current Content*s-Produkten des Datenbankherstellers (http://www.isinet.com/isi/products/rsg/products/fields.html) und wird auch für andere Projekte mit bibliometrischen Indikatoren genutzt.

Die Zuordnung erfolgte über die Zeitschriften der Kerndokumente: in jeder der 22 Kategorien werden diejenigen Fronten aufgeführt, deren Kernpublikationen zu mehr als einem Drittel in Zeitschriften erschienen sind, die in diese Kategorie fallen. Es kann also durchaus zu Überlappungen zwischen den Kategorien kommen. Zusätzlich wurde eine Restkategorie "Interdisciplinary" gebildet, in der alle diejenigen Fronten aufgeführt werden, deren Kerndokumente keiner der anderen Kategorien zu mehr als einem Drittel zuzuordnen waren. Im Gegensatz dazu wird die Kategorie "Multidisciplinary" von den grossen *general interest*-Zeitschriften wie Nature, Science etc. bestimmt. Fettgedruckte Einträge in den entsprechenden Tabellen weisen auf Fronten hin, die über den o.a. Schwellenwerten (K >7 und CH% >20) liegen. Für diese wurden Detaildokumentationen erstellt.

Diese disziplinäre Kategorisierung ist lediglich als Hilfsmittel für einen schnellen Überblick über die grosse Menge der Forschungsfronten gedacht. Die Kategorien dienen nur als grober Anhaltspunkt - in vielen Fällen liegen die Forschungsfronten quer zu diesen konventionellen Kategorien.

Die Detaildokumentationen der Forschungsfronten enthalten neben dem Titel und den Angaben zur Front- und Kerngrösse fünf Grundbausteine nach einheitlichem Muster auf jeweils einer Seite:

- **Ko-Zitationskarte der Kernpublikationen (cocitation map)[4]:** Die Karte zeigt die Dokumente (als Kreise), die den Kern des Clusters bilden. Annotiert sind jeweils der Erstautor (mit Initialen) und das Publikationsjahr; die genauen Angaben zu jedem Dokument sind im Anhang aufgeführt. Die Kreisfläche verhält sich proportional zur jeweiligen Zitationsfrequenz:

  Die Anordnung der Kreise in der zweidimensionalen Ebene ist durch die Kozitationsbezüge bestimmt (vgl. oben): enge Nachbarschaft steht für ein hohes Mass an Kozitierungen.

- **Zeitschriftenprofil:** Die Grafik zeigt die Zeitschriften, in denen die meisten Publikationen des Spezialgebiets (Front und Kern gemeinsam) erschienen sind. Die Anteile der Front und des Kerns sind durch entsprechende Schraffur kenntlich gemacht.

[4] Zur Methode der Ko-Zitationskarten vgl. Small, H., Sweeney, E. & Greenlee, E., Clustering the Science Citation Index using Co-citations. Part II. Mapping Science. *Scientometric*s, 8, 1985, 321-340.

- **Akteure – Institutionen:** Aufgelistet werden die wichtigsten an der Forschungsfront aktiven institutionellen Akteure, sortiert nach der Zahl der Frontpublikationen, in deren Adressen sie erscheinen.

- **Akteure – Länder:** Die Grafik zeigt die am häufigsten genannten Nationen, sortiert nach der Zahl der Frontpublikationen, in denen sie als Bestandteil der institutionellen Adressen der Autoren erscheinen. Zusätzlich ist jeweils der Gesamtwert über alle 15 Mitgliedsländer der Europäischen Union ausgewiesen.

- **Höchstzitierende Publikationen:** Die Aufstellung enthält die Autoren- und Titelangaben der *Front*publikationen (als Gegenstück zu den in der Ko-Zitationskarte gezeigten *Kern*-publikationen), sortiert nach der Zahl der Zitationen, die jeweils in den Kern zielen. Aus Platzgründen sind nur die höchstzitierenden Veröffentlichungen aufgeführt – diese sind am stärksten mit dem Kern verknüpft.

Ergebnisse

Auf den folgenden Seiten ist zunächst die Liste der ausgewählten 150 Forschungsfronten mit starker schweizerischer Beteiligung wiedergegeben. Die Liste ist in absteigender Reihenfolge sortiert nach Kerngröße, schweizerischer Beteiligung und immediacy-Wert.

Es folgen die 22 disziplinär vorsortierten Listen, in denen alle 2404 Fronten aufgeführt sind, an deren Kern die Schweiz überhaupt (d.h. mit mindestens einer Veröffentlichung) beteiligt ist. Fettgedruckte Einträge in diesen Tabellen weisen auf Fronten hin, die über den o.a. Schwellenwerten (K >7 und CH% >20) liegen.

Im Anschluss daran sind die Detaildokumentationen für die 150 ausgewählten Forschungsfronten zu finden. Diese Dokumentationen stellen das wichtigste Ergebnis der Studie dar.

Im Anhang des Berichts sind die vollständigen Listen der Publikationen (getrennt nach Front und Kern) aller 150 asugewählten Forschungsfronten verzeichnet. Es ist zu beachten, dass aufgrund des Verfahrens der Clusteranalyse die Kerne zwar distinkt sind hinsichtlich der in ihnen enthaltenen Veröffentlichungen, die Fronten sich jedoch überlappen können: eine Kernpublikation wird genau dem Kern zugeordnet, mit dessen anderen Veröffentlichungen sie am stärksten kozitiert wird; eine Frontpublikation dagegen wird den Fronten zugeordnet, deren Kerne sie (ko)zitiert – das können mehrere sein. Ein Autorenindex erschliesst die Publikationen und damit die entsprechenden Forschungsfronten über den Namen der beteiligten Autoren (aus technischen Gründen konnte für die Publikationen der Kerne jeweils nur der Erstautor berücksichtigt werden). Der Institutionenindex verzeichnet die Beteiligung der schweizerischen Institutionen.

Die mit der Ko-Zitationsanalyse generierten Forschungsfronten liefern Abbildungen von eng begrenzten Ausschnitten der aktuellen Forschungslandschaft, die allein auf der Auswertung der Ströme formaler Kommunikation (Publikationen und Zitationen) beruhen. Der Wert dieser Abbildungen erschliesst sich erst dann voll, wenn sie von Experten des jeweiligen Spezialgebiets validiert werden. Erste Erfahrungen zeigen, dass durch Interviews mit Experten wertvolle Interpretationen und Kommentare der Abbildungen zu gewinnen sind.[5]

[5] Vgl. Schwechheimer, H. & Winterhager, M., Mapping Interdisciplinary Research Fronts in Neuroscience: A Bibliometric View to Retrograde Amnesia. *Scientometric*s, 51(1), 2001, 316f.

2 Fronten mit starker schweizerischer Beteiligung

CH-Forschungsfronten 1999
Fronten mit starker schweizerischer Beteiligung

Nr.	Forschungsfront	K	I	CH%
863	SOMATOSTATIN RECEPTORS; SOMATOSTATIN RECEPTOR SCINTIGRAPHY; SOMATOSTATIN; SOMATOSTATIN ANALOGS; PITUITARY SOMATOSTATIN RECEPTOR	50	32	24.0
82	SELECTIVITY; CARRIER-BASED ION-SELECTIVE ELECTRODES; ION-SELECTIVE ELECTRODE; ION-SELECTIVE ELECTRODES; ION-SELECTIVE ELECTRODES BASED	48	29	29.2
1695	PLANTS; SYSTEMIC ACQUIRED-RESISTANCE; SALICYLIC-ACID; ARABIDOPSIS; PROGRAMMED CELL-DEATH	48	40	27.1
1205	CONVERSION; NANOCRYSTALLINE TIO2 FILMS; NANOCRYSTALLINE TIO2 ELECTRODES; NANOCRYSTALLINE TIO2 %ANATASE<; NANOCRYSTALLINE TIO2 POWDERS	46	54	41.3
125	MEASUREMENT; HERA; PROTON; QCD; PROTON STRUCTURE-FUNCTION F2	44	50	22.7
963	ENDOCYTOSIS; DYNAMIN; SYNAPTIC VESICLE RECYCLING; COAT PROTEINS; ENDOPLASMIC-RETICULUM	42	60	21.4
244	JET CROSS-SECTIONS; NEXT-TO-LEADING ORDER QCD; DELPHI DETECTOR; NEXT-TO-LEADING ORDER; L3 EXPERIMENT	41	41	51.2
241	CHIRAL LIGANDS; ASYMMETRIC CATALYSIS; LIGANDS; CATALYSIS; PALLADIUM COMPLEXES	41	32	22.0
323	SR2RUO4; SUPERCONDUCTOR SR2RUO4; UNCONVENTIONAL SUPERCONDUCTIVITY; SUPERCONDUCTIVITY; UPT3 EVIDENCE	38	66	21.1
158	REGENERATION; AXONAL REGENERATION; RAT; NEURITE GROWTH; RETINAL GANGLION-CELLS	38	29	21.1
1195	LOW-TEMPERATURE-GROWN GAAS; GAAS GROWN; GAAS; MOLECULAR-BEAM EPITAXY; SEMICONDUCTOR SATURABLE ABSORBER	37	51	40.5
225	PROTEASE-RESISTANT PRION PROTEIN; PRION PROTEIN; FATAL FAMILIAL INSOMNIA; RECOMBINANT PRION PROTEIN; PRION PROTEIN GENE	36	58	25.0
965	STUDY; OBSERVATION; SCALAR GLUEBALL; COUPLED-CHANNEL ANALYSIS; EVIDENCE	34	44	23.5
1687	EXTRA DIMENSIONS; NEW DIMENSIONS; SOFT TERMS; STRONGLY COUPLED HETEROTIC STRING THEORY; 11 DIMENSIONS	34	71	20.6
1706	VALSARTAN; NEW ANGIOTENSIN-II ANTAGONIST; HYPERTENSION; ANGIOTENSIN-II RECEPTOR ANTAGONIST; ESSENTIAL-HYPERTENSION	34	47	20.6
1347	EPITHELIAL SODIUM-CHANNEL; EPITHELIAL NA+ CHANNEL; EPITHELIAL AMILORIDE-SENSITIVE NA+ CHANNEL; EPITHELIAL NA CHANNEL; EPITHELIAL NA+ CHANNEL %ENAC<	33	52	42.4
1275	PROTON; MEASUREMENT; SPIN STRUCTURE; POLARIZED STRUCTURE FUNCTIONS; PROTON SPIN STRUCTURE-FUNCTION G%1<%P<	32	69	56.3
1704	EOTAXIN; EXPRESSION; EOTAXIN RECEPTOR CCR3; EOTAXIN MESSENGER-RNA; EOSINOPHILS	32	81	25.0
1904	LIGAND-GATED ION CHANNELS; SENSORY NEURONS; IONOTROPIC ATP RECEPTOR; P-2X RECEPTOR; P2X RECEPTORS	31	55	35.5
313	CYCLOSPORINE; CYCLOSPORINE PHARMACOKINETICS; MICROEMULSION FORMULATION; BIOEQUIVALENCE; PHARMACOKINETICS	31	42	22.6
1474	IMMUNOTHERAPY; BIRCH POLLEN; SPECIFIC IMMUNOTHERAPY; POLLEN ALLERGENS; BEE VENOM IMMUNOTHERAPY	28	46	21.4
415	STRING COSMOLOGY; STRING THEORY; LOW-ENERGY EFFECTIVE STRING COSMOLOGY; MODULAR COSMOLOGY; HETEROTIC STRING THEORY	27	33	40.7
116	CHLOROPHYLL BREAKDOWN; CHLOROPHYLL BIOSYNTHESIS; CHLOROPHYLL; IDENTIFICATION	27	33	29.6

Nr.	Forschungsfront	K	I	CH%
403	TRANSARTICULAR SCREW FIXATION; ANTERIOR SCREW FIXATION; ANTERIOR ODONTOID SCREW FIXATION; ANTERIOR PORTION; ODONTOID	27	19	22.2
503	DEBRISOQUINE; CYP2D6; POLYMORPHISM; IDENTIFICATION; CYTOCHROME-P450 CYP2D LOCUS	23	22	34.8
1587	INSULIN; VASODILATION; HUMANS; SKELETAL-MUSCLE; SKELETAL-MUSCLE BLOOD-FLOW	23	30	30.4
26	ANOMALOUS U%1<; SUPERSYMMETRIC MODELS; SUPERSYMMETRIC THEORIES; SUPERSYMMETRIC UNIFICATION; ANOMALOUS U%1< MODEL	23	39	26.1
188	ENANTIOSELECTIVE HYDROGENATION; ASYMMETRIC HYDROGENATION; SELECTIVE HYDROGENATION; HYDROGENATION; CINCHONA ALKALOIDS	23	39	26.1
369	SEMICONDUCTOR MICROCAVITIES; EXCITONS; SEMICONDUCTOR QUANTUM MICROCAVITY; SEMICONDUCTOR MICROCAVITY; II-VI SEMICONDUCTOR MICROCAVITY	23	39	21.7
744	STRUCTURE; ALANINE RACEMASE; GLUTAMATE RACEMASE; ENZYMES; CRYSTAL-STRUCTURE	23	22	21.7
128	VEHICLE-ROUTING PROBLEM; VEHICLE-ROUTING; TIME WINDOWS; OVERVIEW; APPROXIMATE ALGORITHMS	22	14	22.7
430	ELECTROWEAK PHASE-TRANSITION; HOT ELECTROWEAK PHASE-TRANSITION; STRING BREAKING; ELECTROWEAK PHASE-TRANSITION ENDS; ELECTROWEAK PHASE-TRANSITION PERTURBATION-THEORY	21	67	38.1
283	NONCOMMUTATIVE GEOMETRY; QUANTUM-GRAVITY; NONCOMMUTATIVE DIFFERENTIAL GEOMETRY; SPACETIME; QUANTUM-GRAVITY DETECTORS	21	29	33.3
76	ANOMALOUS DIFFUSION; FRACTIONAL DIFFUSION; LEVY FLIGHTS; INTERMITTENT CHAOTIC SYSTEMS; ANOMALOUS DIFFUSION DUE	21	24	23.8
1177	GAS ELECTRON MULTIPLIER %GEM<; MICRO-STRIP GAS-CHAMBERS; ELECTRON MULTIPLICATION; ELECTRON AMPLIFICATION; GAS DETECTORS	20	85	55.0
1808	METAL-INSULATOR-TRANSITION; RBC60; STRUCTURE; SUPERCONDUCTING NA2CSC60 FULLERIDE; RBC60 POLYMER FULLERIDE STUDIED	20	45	40.0
1186	HONEYBEES; ANTS; VISUAL NAVIGATION; FORAGING HONEYBEES; DESERT ANTS	20	35	35.0
1102	IMMUNOLOGICAL MEMORY; MEMORY; CD8%+< MEMORY T-CELLS; SURVIVAL; MEMORY-PHENOTYPE T-CELLS	20	80	25.0
2137	SECONDARY STRUCTURE; HELICAL SECONDARY STRUCTURE; NOVEL HELICAL SECONDARY STRUCTURE; HELICAL NMR-SOLUTION STRUCTURE; OLIGOMERS	19	89	47.4
1574	IDENTIFICATION; SPECIES IDENTIFICATION; FISH SPECIES IDENTIFICATION; PCR IDENTIFICATION; FISH SPECIES IDENTIFICATION DIFFERENTIATION	19	42	26.3
493	MYCOBACTERIUM-TUBERCULOSIS; COMPARISON; MYCOBACTERIA; CLINICAL SPECIMENS; DETECTION	19	58	21.1
1089	DIFFUSE INTERSTELLAR BANDS; CLUSTERS; SMALL CARBON CLUSTERS; DIFFUSE INTERSTELLAR BANDS EVIDENCE; DIFFUSE INTERSTELLAR BANDS %3800-8680-ANGSTROM<	19	47	21.1
1599	FUEL-CELLS; POLYMER ELECTROLYTES; WATER; POLYMER MEMBRANES; WATER-UPTAKE	19	11	21.1
470	LATTICE QCD; QCD; O%A< IMPROVED LATTICE QCD; LATTICE; NON-PERTURBATIVE RENORMALIZATION	18	50	50.0
598	MUON-CATALYZED FUSION; KINETIC-ENERGY DISTRIBUTION; MUON CATALYZED FUSION; MUON TRANSFER; MUON-CATALYZED D-T FUSION	18	33	38.9
708	COMET GRIGG-SKJELLERUP; COMET HALLEY; COMET P/HALLEY; COMET HALE-BOPP %C/1995-O1<; HALLEY COMET	18	50	27.8

Nr.	Forschungsfront	K	I	CH%
466	TRANSIENT NEUROLOGIC SYMPTOMS AFTER SPINAL-ANESTHESIA; LIDOCAINE; 5-PERCENT LIDOCAINE; LIDOCAINE SPINAL-ANESTHESIA; TRANSIENT NEUROLOGICAL SYMPTOMS AFTER SPINAL-ANESTHESIA	18	56	22.2
373	STRUCTURE; ESCHERICHIA-COLI; OUTER-MEMBRANE; PORIN; OUTER-MEMBRANE PORINS	18	50	22.2
777	J/PSI; J/PSI SUPPRESSION; CHARMONIUM SUPPRESSION; PB-PB INTERACTIONS; ANOMALOUS J/PSI SUPPRESSION	16	56	62.5
1211	MYOFIBROBLASTS; ALPHA-SMOOTH MUSCLE ACTIN; FIBROBLASTS MYOFIBROBLASTS; ALPHA-SMOOTH MUSCLE ACTIN IS EXPRESSED; ALPHA-SMOOTH MUSCLE ACTIN IS TRANSIENTLY EXPRESSED	16	12	50.0
2305	ADS/CFT CORRESPONDENCE; CONFORMAL FIELD-THEORY CORRELATORS; CLASSICAL FIELD-THEORY; DUALITY; D#4 CONFORMAL SUPERGRAVITY	16	100	31.3
1969	MAGNETIC-PROPERTIES; CRYSTAL-STRUCTURE; BIMETALLIC OXALATE-BRIDGED; BIMETALLIC 2-DIMENSIONAL OXALATE-BRIDGED NETWORKS; BIMETALLIC OXALATE-BRIDGED 2-DIMENSIONAL MAGNETS	16	31	31.3
1739	WASTE-WATER TREATMENT; ELECTROCATALYSIS; ANODIC-OXIDATION; PHENOL; ELECTROCHEMICAL OXIDATION	15	20	60.0
174	STANDARD MODEL; MINIMAL SUPERSYMMETRIC STANDARD MODEL; MINIMAL SUPERSYMMETRIC MODEL; SUPERSYMMETRIC HIGGS BOSONS; SUPERSYMMETRIC HIGGS BOSON MASSES	15	20	53.3
1157	FAS; PERFORIN PATHWAYS; PERFORIN FAS LIGAND; T-CELL-MEDIATED CYTOTOXICITY; FAS LYTIC PATHWAYS	15	40	46.7
526	MAGNETOOPTICAL KERR SPECTRA; MAGNETOOPTICAL SPECTRA; CALCULATED MAGNETOOPTICAL KERR SPECTRA; MAGNETOOPTICAL KERR-EFFECT; CESB	15	47	26.7
1456	CLONING; GIBBON APE LEUKEMIA-VIRUS; CELL-SURFACE RECEPTOR; CELLULAR RECEPTOR; GIBBON APE LEUKEMIA-VIRUS RECEPTOR FAMILY	14	29	50.0
1736	ALTERNATIVES; EVALUATION; DRAIZE EYE IRRITATION TEST; IN-VITRO ALTERNATIVES; VALIDATION	14	43	35.7
505	COMPUTER-SIMULATION; GRAIN-GROWTH; SOLIDIFICATION PROCESSES; GRAIN-GROWTH ABNORMAL GRAIN-GROWTH; GRAIN-GROWTH USING	14	21	21.4
686	DOGS; NECROTIZING MENINGOENCEPHALITIS; PUG DOGS; 50 DOGS; MALTESE DOGS	14	21	21.4
1264	MAGNETISM; MAGNETIC-PROPERTIES; NICKEL CLUSTERS; CLUSTERS; IRON CLUSTERS	14	14	21.4
1291	PRODUCTION; HEAVY-QUARK PRODUCTION; HADRONIC COLLISIONS; CHARMED-MESON PRODUCTION; PRODUCTION PROPERTIES	13	31	46.2
960	EXPERIMENTAL DOSIMETRY; HEAD; HUMAN HEAD; HUMAN; PORTABLE ANTENNAS	13	54	30.8
9	IDIOPATHIC HYPEREOSINOPHILIC SYNDROME; HYPEREOSINOPHILIC SYNDROME; APOPTOSIS; EXPANSION; INTERLEUKIN-5	13	54	30.8
682	MEASUREMENT; NEW INTERACTIONS; TOP-QUARK PAIR PRODUCTION; 3 GAUGE BOSON COUPLINGS	13	23	30.8
2294	DATABASE; PIR-INTERNATIONAL PROTEIN-SEQUENCE DATABASE; ENTREZ MOLECULAR-BIOLOGY DATABASE; PRINTS PROTEIN FINGERPRINT DATABASE; PROSITE DATABASE ITS STATUS	13	100	23.1
1851	CARBON-MONOXIDE; OLEFINS; COPOLYMERIZATION; METAL-CATALYZED ALTERNATING COPOLYMERIZATION; LIVING ALTERNATING COPOLYMERIZATION	13	38	23.1
227	CERIUM; ELECTRONIC-STRUCTURE; CE; KONDO MODEL; CE COMPOUNDS	13	31	23.1
893	SEARCH; NEUTRINO OSCILLATIONS; NU%MU<-*NU%TAU< OSCILLATION; NU%MU<-*NU%TAU< OSCILLATIONS USING; NOMAD	12	58	66.7
1255	COMPARISON; METAL-ION COORDINATING PROPERTIES; 5$-MONOPHOSPHATE; METAL-IONS; PROPERTIES	12	25	66.7

Nr.	Forschungsfront	K	I	CH%
1832	ANTIPROTONIC HELIUM-ATOMS; METASTABLE ANTIPROTONIC HELIUM-ATOMS; ANTIPROTONIC; METASTABLE STATES; METASTABLE HADRONIC HELIUM-ATOMS	12	50	50.0
1476	POLYETHYLENE; DEGRADATION; POLYOLEFINS; THERMOOXIDATIVE DEGRADATION; THERMAL-OXIDATION	12	17	41.7
1815	FULLERENES; EXPERIMENT; PREPARATION; C59N; NITROGEN	12	33	33.3
1723	CONJUGATED POLYMERS; PHOTOLUMINESCENT MATERIALS; FLUORESCENT POROUS POLYMER-FILMS; RIGID-ROD CONJUGATED POLYMERS; NEW RIGID BACKBONE CONJUGATED ORGANIC POLYMERS	12	58	25.0
640	TUBERCULOSIS; DRUG-RESISTANT TUBERCULOSIS; TUBERCULOSIS TRENDS; PULMONARY TUBERCULOSIS; ENGLAND	12	50	25.0
1012	SELF-ASSEMBLY; HELICAL COMPLEXES; SELF-ASSEMBLY STRUCTURE; MONONUCLEAR COMPLEXES; HELICATES	11	45	36.4
1452	SIMULATED MOVING-BED CHROMATOGRAPHY; SIMULATED MOVING-BED; SEPARATION; LABORATORY-DEVELOPED SIMULATED MOVING-BED; SIMULATED MOVING-BED UNITS	11	73	27.3
672	NEUROPEPTIDE-Y; PANCREATIC-POLYPEPTIDE NEUROPEPTIDE-Y; Y5 NEUROPEPTIDE-Y RECEPTOR; HUMAN NEUROPEPTIDE-Y PEPTIDE-YY RECEPTOR; FUNCTIONAL EXPRESSION	11	55	27.3
1903	DEVELOPMENT; EARLY T-CELL DEVELOPMENT; THYMOCYTE DEVELOPMENT; EARLY ALPHA-BETA-T-CELL DEVELOPMENT; BETA-BLOCK THYMOCYTE DEVELOPMENT	11	36	27.3
1615	HYDROGEN-PEROXIDE; PHOTO-FENTON REACTION; PHOTOLYSIS; IRON%III< OXALATO COMPLEXES; FE%III<-HYDROXY COMPLEXES	11	9	27.3
864	NUCLEUS; CELL-NUCLEUS; RNA SPLICING; MAMMALIAN NUCLEUS; MACROMOLECULAR DOMAINS WITHIN	11	9	27.3
1385	PLASMA-MEMBRANE CALCIUM-PUMP; PLASMA-MEMBRANE CA2+ PUMP; PLASMA-MEMBRANE CA-2+-ATPASE ISOFORMS DISTRIBUTION; MOBILIZATION; INTERNAL STORES	11	9	27.3
673	EDTA; SPECIATION; DEGRADATION; PHOTOCHEMICAL DEGRADATION; FATE	10	30	50.0
1301	%P<OVER-BAR-P ANNIHILATION; REST; P-STATE ANNIHILATION; ANTIPROTON-PROTON ANNIHILATION; ANTIPROTON ANNIHILATION	10	10	50.0
333	HEPATITIS-A; TRAVELERS; EPIDEMIOLOGY; TRAVELERS DIARRHEA; BOIL IT COOK IT PEEL IT OR FORGET IT	10	0	50.0
2175	HUMAN MHC CLASS-I MICA GENE; MICA; MICA GENE; MICA GENES; HLA CLASS-I REGION	10	80	40.0
1556	RENAL-TRANSPLANTATION; RANDOMIZED PROSPECTIVE TRIAL; INTERLEUKIN-2 RECEPTOR; RANDOMIZED TRIAL; INTERLEUKIN-2 RECEPTOR MONOCLONAL-ANTIBODY	10	60	40.0
1625	EXACT MASS GAP; O%3<; O%3< NONLINEAR SIGMA-MODEL; MASS GENERATION; FRUSTRATED QUANTUM HEISENBERG-ANTIFERROMAGNET	10	30	40.0
856	CERVICAL-SPINE; UPPER CERVICAL-SPINE; ROTATORY INSTABILITY; CERVICAL-SPINE FLEXION EXTENSION; CT-FUNCTIONAL DIAGNOSTICS	10	10	40.0
1065	%P<OVER-BAR-P COLLISIONS; LEPTOQUARKS; SEARCH; EP COLLISIONS; LEPTON-QUARK COLLISIONS	10	60	30.0
2163	TARGETED DISRUPTION; STAT5; STAT1 GENE; STAT5 %MGF<; MAMMARY-GLAND FACTOR %MGF< IS	10	60	30.0
1269	CHLAMYDOMONAS-REINHARDTII; CHLOROPLAST; CHLOROPLAST TRANSFORMATION; CHLAMYDOMONAS; CHLAMYDOMONAS-REINHARDTII DNA	10	20	30.0
411	FRACTURES; COMMINUTED FRACTURES; TIBIAL FRACTURES; EXPERIMENTAL TIBIAL FRACTURES; DISTAL FEMORAL FRACTURES	10	20	30.0
784	NEUTRON; NEUTRON ELECTRIC FORM-FACTOR; MEASUREMENT; ELECTRIC; ELECTRIC FORM-FACTOR	10	20	30.0
341	TIAL; FLOW-STRESS ANOMALY; MODELING; DISLOCATION MECHANISMS; TIAL MODELS	10	20	30.0

Nr.	Forschungsfront	K	I	CH%
939	CEREBELLAR INFARCTION; CEREBELLAR INFARCTS; CLINICOPATHOLOGICAL STUDY; CEREBELLAR INFARCTION CLINICAL; TERRITORY	10	0	30.0
760	HUMAN MAST-CELLS; HUMAN MAST-CELL; HUMAN DERMAL MAST-CELLS CONTAIN; HUMAN MAST-CELLS PRODUCE IL-8; NORMAL	10	0	30.0
823	HADRONIC CONTRIBUTION; IMPROVED DETERMINATION; HADRONIC CONTRIBUTIONS; HADRONIC TAU-DECAYS; MUON	9	67	55.6
1862	OBSERVATION; BECHGAARD SALTS; POSSIBLE OBSERVATION; QUASI-ONE-DIMENSIONAL BECHGAARD SALTS; PHOTOEMISSION SPECTRA	9	67	55.6
334	GROWTH; INFRARED DETECTORS ARRAYS; SI%111<; SEMICONDUCTOR INFRARED DETECTORS; MATERIAL CHARACTERIZATION	9	11	44.4
1511	RUTHERFORD CABLES; CABLES; MINIMUM QUENCH ENERGIES; RUTHERFORD TYPE; CABLES WOUND	9	56	33.3
2158	WHIPLASH INJURY; LATE WHIPLASH SYNDROME; WHIPLASH ASSOCIATED DISORDERS REDEFINING WHIPLASH; SIGNS AFTER WHIPLASH INJURY; LATE WHIPLASH SYNDROME OUTSIDE	9	56	33.3
1775	NEUTRON-DIFFRACTION STUDY; METAL-INSULATOR-TRANSITION; RNIO3 PEROVSKITES %R EQUALS RARE-EARTH<; PEROVSKITES RNIO3 %R#PR; CHARGE-TRANSFER OXIDES RNIO3 %R # PR,ND,ND0.7LA0.3<	9	33	33.3
1888	EVOLUTION; P53 GENE; ALTERATIONS; PROGRESSION; HUMAN BRAIN-TUMORS	9	22	33.3
768	TRANS-HUDSON OROGEN CANADA; FLIN-FLON BELT TRANS-HUDSON OROGEN CANADA; FLIN-FLON BELT CANADA; PROTEROZOIC HISTORY; PROTEROZOIC COLLISION ZONE SURPRISES	9	22	33.3
1214	UNIPARENTAL DISOMY; UNIPARENTAL DISOMY-7; TRISOMY; FETAL UNIPARENTAL DISOMY HIGH-LEVELS; MATERNAL UNIPARENTAL DISOMY-7	9	22	33.3
1170	DOMAIN-WALLS; SUPERSYMMETRIC THEORIES; SUPERSYMMETRIC DOMAIN-WALLS N-COUNTING; SUPERSYMMETRIC YANG-MILLS THEORIES; SUPERSYMMETRIC GAUGE-THEORIES	9	89	22.2
1082	ATOPIC-DERMATITIS; TOPICAL; TOPICAL FK506; TOPICAL TREATMENT; FK506	9	67	22.2
1392	QCD SUM-RULES; QCD; PION WAVE-FUNCTION; QCD CALCULATION; QCD 094016	9	44	22.2
1582	SUBCLINICAL MASTITIS; PREVALENCE; EWES; ETIOLOGY; EFFECT	9	44	22.2
808	INTERMITTENCY; INTERMITTENCY PARAMETERS; STUDY INTERMITTENCY; MULTIDIMENSIONAL INTERMITTENCY ANALYSIS; HIGH-ENERGY	9	22	22.2
659	OCCIPITOCERVICAL FUSION; SCREW FIXATION; POSTERIOR OCCIPITOCERVICAL FUSION; OCCIPITOCERVICAL INSTRUMENTATION; SEGMENTAL FIXATION	9	22	22.2
1218	SOLUBLE RECOMBINANT PROTEINS; AGGREGATION; PROTEIN FOLDING INTERMEDIATES; PROTEIN AGGREGATION FOLDING AGGREGATES INCLUSION-BODIES; LYSOZYME	9	22	22.2
1734	FERROELECTRIC PHASE-TRANSITION; OFF-CENTER IONS; FERROELECTRIC PHASE-TRANSITIONS; OFF-CENTER DISPLACEMENT; NB IONS	9	11	22.2
1115	MICROWAVE DIELECTRIC-PROPERTIES; DIELECTRIC; MICROWAVE DIELECTRIC CHARACTERISTICS; DIELECTRIC-PROPERTIES; SM< MICROWAVE DIELECTRIC COMPOUNDS	9	0	22.2
154	MOTION; GRANULAR-MATERIALS; FLOWS; AVALANCHES; RUNOUT ANALYSIS	9	0	22.2
1239	TUMOR-NECROSIS-FACTOR RECEPTORS; TUMOR-NECROSIS-FACTOR IS; 75-KDA TUMOR-NECROSIS-FACTOR RECEPTOR; 2 TNF RECEPTORS; TNF	9	0	22.2
919	IN-SITU MEASUREMENTS; MERCURY-PLATED IRIDIUM-BASED MICROELECTRODE ARRAYS; IRIDIUM-BASED MERCURY-FILM ELECTRODE SELECTION; IRIDIUM-BASED ULTRAMICROELECTRODE ARRAY FABRICATED; IN-SITU SCREENING	8	50	50.0
1811	HISTOMORPHOMETRIC; EFFECT; TITANIUM IMPLANTS; TITANIUM SURFACE-ROUGHNESS; TIO2-BLASTED TITANIUM IMPLANTS	8	25	50.0

Nr.	Forschungsfront	K	I	CH%
862	TENASCIN; TENASCIN INTERFERES; TENASCIN IS; TENASCIN GENE KNOCKOUT MOUSE; MICE DEVELOP NORMALLY WITHOUT TENASCIN	8	12	50.0
884	FUNGAL GROWTH; TRANSGENIC TOBACCO; CHITINASE; ENHANCED RESISTANCE; RESISTANCE	8	0	50.0
2083	PBWO4 SINGLE-CRYSTALS; SCINTILLATION; PBWO4 CRYSTALS; SCINTILLATION CHARACTERISTICS; SCINTILLATION DECAYS	8	75	37.5
2034	INTRAVASCULAR MAGNETIC-RESONANCE-IMAGING USING; MR-IMAGING; VISUALIZATION; INTRAVASCULAR MR TRACKING CATHETER PRELIMINARY EXPERIMENTAL EVALUATION; INVASIVE DEVICES USING MAGNETIC-RESONANCE	8	50	37.5
1733	LIGHT-QUARK SEA; FLAVOR ASYMMETRY; NUCLEON; NUCLEON SEA; GOTTFRIED SUM	8	38	37.5
1934	QUANTUM CRYPTOGRAPHY; QUANTUM CRYPTOGRAPHY INFORMATION BOUND; EAVESDROPPING; QUANTUM KEY DISTRIBUTION; QUANTUM CRYPTOGRAPHY USING ANY 2 NONORTHOGONAL STATES	8	38	37.5
2212	MITOCHONDRIA; PREPROTEIN TRANSLOCATION CHANNEL; PROTEIN IMPORT INTO MITOCHONDRIA; PROTEIN TRANSLOCATION ACROSS MEMBRANES; PROTEIN TRANSLOCATION TUNNEL VISION	8	75	25.0
1663	CHARACTERIZATION; CHEMISTRY; COORDINATION CHEMISTRY; ORGANOMETALLIC CHEMISTRY; MAIN-GROUP METAL CHEMISTRY	8	62	25.0
932	TREATMENT; OSTEOMYELITIS; BACTERIAL OSTEOMYELITIS; ACUTE OSTEOMYELITIS; CHRONIC OSTEOMYELITIS	8	62	25.0
314	CENISN; KONDO INSULATOR CENISN; KONDO INSULATOR YBB12; YB-BASED KONDO SEMICONDUCTORS; VALENCE-FLUCTUATING SYSTEM CENISN	8	50	25.0
776	ISOLATED NONCOMPACTION; MYOCARDIUM; 3-METHYLGLUTACONIC ACIDURIA; LEFT-VENTRICULAR MYOCARDIUM; VENTRICULAR MYOCARDIUM	8	50	25.0
1628	CIPROFLOXACIN; SAFETY; USE; COMPASSIONATE USE SAFETY REPORT; PEDIATRICS WORLDWIDE CLINICAL-EXPERIENCE BASED	8	38	25.0
1238	MESSENGER-RNA; FERRITIN MESSENGER-RNA STUDIED; CYTOPLASMIC TRANSFERRIN RECEPTOR MESSENGER-RNA; CONTROL; IRON	8	38	25.0
451	QUANTITATIVE ENZYME AUTORADIOGRAPHY; MONOAMINE OXIDASE-A; BRAIN; OXIDASE-B; HUMAN MONOAMINE OXIDASE-A	8	38	25.0
1824	COBALT FILMS; MAGNETIC-ANISOTROPY; FE FILMS GROWN; SYMMETRY-INDUCED MAGNETIC-ANISOTROPY; ULTRATHIN CO FILMS	8	25	25.0
812	INITIAL STATE RADIATION; QCD CASCADES; QCD COHERENCE; PERTURBATIVE QCD; QCD CASCADES IMPLEMENTING	8	25	25.0
521	LAMBDA-BOOTIS STARS; GENERAL CATALOG; EFFECTIVE TEMPERATURE; DETERMINATION; SURFACE GRAVITY	8	25	25.0
691	MAGNETIC RECORDING; PARTIAL-RESPONSE CHANNELS; HIGH-DENSITY MAGNETIC RECORDING; DIGITAL MAGNETIC RECORDING; MAGNETIC RECORDING CHANNEL	8	25	25.0
750	ALKALOIDAL COCAINE; BENZODIAZEPINE RECEPTORS; BRAIN BENZODIAZEPINE RECEPTOR CHANGES; TRANSIENT CEREBRAL ISCHEMIC ATTACKS; CEREBRAL VASCULAR PATTERN THAT PREDICT VULNERABILITY	8	12	25.0
209	AMINOPEPTIDASE ACTIVITY; HUMAN PUROMYCIN-SENSITIVE AMINOPEPTIDASE; AMINOPEPTIDASE-N IS; ENKEPHALIN-DEGRADING AMINOPEPTIDASE; PUROMYCIN-SENSITIVE AMINOPEPTIDASE SEQUENCE-ANALYSIS EXPRESSION	8	12	25.0
1163	BRAIN; MR IMAGES; 3D DUAL-ECHO MR HEAD DATA; 3D RECONSTRUCTION; 3-DIMENSIONAL SEGMENTATION	8	12	25.0
907	CONSISTENCY CONDITIONS; GENERALIZED STUCKELBERG FORMALISM; GENERALIZED CANONICAL FORMALISM; WESS-ZUMINO CONSISTENCY CONDITIONS; 2ND-CLASS CONSTRAINTS	8	12	25.0
1391	ELDERLY; ELDERLY SUBJECTS; SUPPLEMENTATION; ELDERLY CLINICAL; HEALTHY ELDERLY SUBJECTS	8	12	25.0

Nr.	Forschungsfront	K	I	CH%
1032	LOCAL EARTHQUAKE DATA; TOMOGRAPHIC INVERSION; LOCAL EARTHQUAKE TOMOGRAPHY; 3-DIMENSIONAL VELOCITY STRUCTURE; MOUNT ST-HELENS USING EARTHQUAKE DATA	8	12	25.0
1928	TIME-OF-FLIGHT MASS-SPECTROMETRY; LASER DESORPTION/IONIZATION MASS-SPECTROMETRY; MATRIX-ASSISTED LASER-DESORPTION IONIZATION MASS-SPECTROMETRY; MATRIX-ASSISTED LASER DESORPTION TIME-OF-FLIGHT MASS-SPECTROMETRY; MATRIX-ASSISTED LASE	8	12	25.0
1304	HUMAN EOSINOPHILS; RANTES; RANTES IS; CYTOKINE RANTES; CYTOKINE RANTES RELEASED	8	0	25.0
1807	LEAD-BASED THIN-FILMS; PZT THIN-FILMS; SOL-GEL DERIVED LEAD ZIRCONATE TITANATE THIN-FILMS; RAPID THERMALLY ANNEALED LEAD-ZIRCONATE-TITANATE THIN-FILMS; SOLUTION-PROCESSED LEAD ZIRCONATE TITANATE %PZT< THIN-FILMS	8	0	25.0
1533	ONCHOCERCIASIS; ONCHOCERCIASIS CONTROL; ONCHOCERCIASIS CONTROL PROGRAM; OCULAR ONCHOCERCIASIS; ONCHOCERCIASIS USING	8	0	25.0
1286	POLY-BETA-HYDROXYBUTYRATE; ISOLATION; POLYPHOSPHATE KINASE GENE; INORGANIC POLYPHOSPHATE TOWARD MAKING; POLY-BETA-HYDROXYBUTYRATE CALCIUM POLYPHOSPHATE CHANNEL	8	0	25.0
284	PROXIMAL HUMERAL FRACTURES; HUMERAL SHAFT FRACTURES; HUMERAL SHAFT FRACTURES EXPERIENCE; 4-PART FRACTURES; PLATING HUMERAL SHAFT FRACTURES	8	0	25.0

3 Disziplinär vorsortierte Listen

CH-Forschungsfronten 1999
Agricultural Sciences

Nr.	Forschungsfront	K	I	CH%
198	CHEESE; CHEESE RIPENING; RIPENING; CHEDDAR CHEESE; LACTIC-ACID BACTERIA	46	26	6.5
13	INULIN; OLIGOFRUCTOSE; BIFIDOBACTERIA; EFFECTS; SACCHAROMYCES-BOULARDII	30	20	6.7
1362	EMULSIONS; SUSPENSIONS; ULTRASONIC CHARACTERIZATION; ULTRASOUND; PRINCIPLES	26	54	3.8
1005	FATTY-ACID COMPOSITION; FATTY-ACIDS; SEED OILS; PICOLINYL ESTERS; N-6 FATTY-ACIDS	24	42	4.2
633	EFFECT; SOMATOTROPIN; LACTATING COWS; INVOLUTION; LACTATION	20	10	10.0
278	TYROSINASE; ACTIVATION; MUSHROOM TYROSINASE; TYROSINASE ACTIVITY; ENZYMATIC	20	20	5.0
1574	**IDENTIFICATION; SPECIES IDENTIFICATION; FISH SPECIES IDENTIFICATION; PCR IDENTIFICATION; FISH SPECIES IDENTIFICATION DIFFERENTIATION**	**19**	**42**	**26.3**
84	DAIRY-COWS; COMPOSITION; FEEDING; MILK UREA NITROGEN; MILK	19	16	5.3
1280	PROCYANIDINS; GRAPE SEEDS; PROANTHOCYANIDINS; CHARACTERIZATION; IDENTIFICATION	18	33	5.6
460	CHARACTERIZATION; LACTIC-ACID BACTERIA; STRUCTURE; YOGURT; MOLECULAR CHARACTERIZATION	16	25	6.3
324	CALCIUM; CALCIUM-ABSORPTION; CALCIUM BIOAVAILABILITY; DIETARY CALCIUM; CALCIUM SALTS	15	13	13.3
765	VIRGIN OLIVE OIL; OLIVE OIL; SIMPLE; HYDROLYZABLE PHENOLIC-COMPOUNDS; PHENOLIC-COMPOUNDS	13	15	15.4
1884	HUMAN GASTROINTESTINAL-TRACT; HUMAN INTESTINAL-MUCOSA; HUMAN INTESTINAL MUCUS; HUMAN CLINICAL INFECTION; DIFFERENT LACTOBACILLUS STRAINS	7	57	14.3
1309	MILK; MILKING; MILK REMOVAL; MILK ACCUMULATION; MILK SECRETION	7	14	14.3
987	**VOLATILE FLAVOR COMPOUNDS; YOGURT FLAVOR; MOST INTENSE VOLATILE FLAVOR COMPOUNDS FORMED DURING AUTOXIDATION; AROMA IMPACT COMPOUNDS; INTENSE ODOR COMPOUND FORMED DURING FLAVOR REVERSION**	**6**	**17**	**33.3**
2167	ANTIOXIDANT ACTIVITY; OIL-IN-WATER EMULSIONS; ALPHA-TOCOPHEROL; TROLOX; BULK OILS	6	67	16.7
1336	PRODUCTION; LARGE-SCALE PRODUCTION; C-20-POLYUNSATURATED FATTY-ACIDS; MORTIERELLA FUNGI; MORTIERELLA FUNGI SELECTION	6	17	16.7
1279	CORN STARCH; EXTRUSION-COOKED CORN STARCH; EXTRUSION PROCESSING CONDITIONS; PROCESSING; CORN MEAL EXTRUDED	6	0	16.7
2274	OLESTRA; OLESTRA DOSE-RESPONSE; ESTIMATED CONSUMPTION; OLESTRA OR REGULAR TRIGLYCERIDE POTATO-CHIPS; GASTROINTESTINAL SYMPTOMS FOLLOWING CONSUMPTION	5	80	20.0
1337	SOPHOROSE LIPIDS; SOPHOROSE LIPID FERMENTATION; SINGLE-CELL OILS HAVE THEY; PRODUCTION PHASES; PRODUCE BIOSURFACTANT	5	20	20.0
347	D-AMINO; D-AMINO ACIDS; DIETARY D-AMINO ACIDS; CHROMATOGRAPHIC DETERMINATION; LIQUID-CHROMATOGRAPHIC DETERMINATION	5	0	20.0
1559	EFFECTS; COLOSTRUM MILK INTAKE; DELAYING COLOSTRUM INTAKE; METABOLIC TRAITS; METABOLIC HORMONES	4	50	25.0
2165	MICRONUTRIENT STATUS; ELDERLY PEOPLE; ELDERLY MODIFICATION; MICRONUTRIENT SUPPLEMENTS; EATING-DEPENDENT NURSING-HOME RESIDENTS UNDERUTILIZATION	4	50	25.0

Nr.	Forschungsfront	K	I	CH%
1548	ATRAZINE; DETECTION; ATRAZINE DETERMINATION; SENSITIVE DETECTION; TRIAZINE HERBICIDES	3	0	33.3
1846	DETERMINATION; SIMULTANEOUS DETERMINATION; VITAMIN-A; REVERSED PHASE; RETINOL TOCOPHEROLS CAROTENES	2	0	100.0
2368	LIQUID-CHROMATOGRAPHY ULTRA-VIOLET MASS-SPECTROMETRIC; LIQUID-CHROMATOGRAPHY NUCLEAR-MAGNETIC-RESONANCE SPECTROSCOPIC ANALYSIS; STRUCTURE DETERMINATION; NATURAL-PRODUCTS; LC-NMR	2	100	50.0
1339	TOTAL DIETARY FIBER; DIETARY FIBER RANGE STRUCTURE PROCESSING; INSOLUBLE SOLUBLE; FUNCTION; FOODS	2	50	50.0
1939	API LISTERIA; IDENTIFY LISTERIA ISOLATES; REGIONALLY POPULAR FOOD; PROMISING ONE-DAY SYSTEM; PAKISTAN	2	0	50.0
1064	ENERGY-EXPENDITURE; ENERGY-EXPENDITURE NET CARBOHYDRATE UTILIZATION; FUEL UTILIZATION; NET FAT OXIDATION; SPECIAL REFERENCE	2	0	50.0
51	LIPID EXTRACTION; EFFICIENT METHOD; STANDARDIZED METHOD; DETERMINING VITAMIN-E LIPID RATIOS; USE	2	0	50.0
924	NATURAL-PRODUCTS CHEMISTRY; J-CROSS-PEAKS; INVERSE-DETECTED 2-DIMENSIONAL NMR METHODS APPLICATIONS; CROSS-RELAXATION; 2D ROTATING-FRAME NMR-SPECTROSCOPY	2	0	50.0

CH-Forschungsfronten 1999
Astrophysics

Nr.	Forschungsfront	K	I	CH%
444	COSMOLOGICAL CONSTANT; COSMOLOGY; COSMOLOGICAL MODELS; COSMOLOGICAL CONSEQUENCES; TYPE-IA SUPERNOVAE	49	53	4.1
218	IONOSPHERIC PLASMA; PLASMA; RING CURRENT IONS; STORM-TIME RING CURRENT; RING CURRENT DURING GEOMAGNETIC STORMS	45	11	2.2
193	SOLAR INTERIOR; SOLAR CONVECTION ZONE; DIFFERENTIAL ROTATION; ROTATION; SOLAR P-MODES	44	57	2.3
604	UNIVERSE; OPEN UNIVERSE; MICROWAVE BACKGROUND; COSMIC MICROWAVE BACKGROUND-RADIATION; ANISOTROPY	42	57	2.4
79	SOLAR ENERGETIC PARTICLES; IMPULSIVE SOLAR-FLARES; SOLAR-FLARES; ENERGETIC PARTICLES; INTERSTELLAR PICKUP IONS	41	37	9.8
789	SOLAR OSCILLATIONS; SOLAR MAGNETIC-FIELDS; EXCITATION; SOLAR CHROMOSPHERE; SOLAR P-MODE	40	38	12.5
819	ASTEROIDS; OPPOSITION EFFECT; SHAPE; RADAR IMAGES; ASTEROID 253-MATHILDE	40	42	2.5
525	DISTANCE; CEPHEID VARIABLES; CEPHEID DISTANCE SCALE; NEW DISTANCE; HIPPARCOS PARALLAXES	39	64	7.7
461	BARRED GALAXIES; GALAXIES; NEARBY GALAXIES; GALACTIC BARS; ACTIVE GALACTIC NUCLEI	38	32	15.8
452	EARLY-TYPE GALAXIES; CENTERS; TRIAXIAL GALAXIES; TRIAXIAL STELLAR-SYSTEMS; ELLIPTIC GALAXIES	33	42	6.1
104	CHROMOSPHERICALLY ACTIVE BINARIES; ACTIVE STARS; CHROMOSPHERICALLY ACTIVE STARS; ACTIVE BINARY STARS; BINARY STARS	32	50	6.3
1963	BLAZARS; MULTIWAVELENGTH OBSERVATIONS; DETECTION; TEV GAMMA-RAYS; GAMMA-RAYS	32	66	3.1
200	SOLAR-CYCLE VARIATION; SOLAR VARIABILITY; CLIMATE; CORONAL MASS EJECTIONS; INTERPLANETARY SHOCKS	31	35	3.2
988	SOLAR-WIND; SOLAR CORONA; ACCELERATION; EXTENDED SOLAR CORONA; INNER CORONA	25	60	4.0
1439	PLANETARY COMPANION; 51-PEGASI; PLANET ORBITING; STAR 51-PEGASI; PLANET ORBITING 16-CYGNI-B	19	79	15.8
973	CIRCUMSTELLAR ACTIVITY; BE STARS; STELLAR; LINE-PROFILE VARIATIONS; 7 BE STARS	19	47	5.3
708	**COMET GRIGG-SKJELLERUP; COMET HALLEY; COMET P/HALLEY; COMET HALE-BOPP %C/1995-O1<; HALLEY COMET**	**18**	**50**	**27.8**
1229	SOLAR GRANULATION; SOLAR PHOTOSPHERE; SOLAR SURFACE; SOLAR GRANULATION DERIVED; SOLAR GRANULAR CONVECTION	17	41	17.6
1614	SYMPLECTIC METHODS; SYMPLECTIC INTEGRATORS; SYMPLECTIC INTEGRATION ALGORITHMS; SYMPLECTIC MAPS; PRACTICAL SYMPLECTIC METHODS	15	33	20.0
494	SOLAR MAGNETIC NETWORK; SOLAR ACTIVE REGIONS; ACTIVE-REGION TRANSIENT BRIGHTENINGS; YOHKOH SOFT-X-RAY TELESCOPE; SOLAR CORONA	14	43	14.3
1316	SODIUM; LUNAR POLES; LUNAR SODIUM ATMOSPHERE; LUNAR ATMOSPHERE; MOON	10	50	10.0
521	**LAMBDA-BOOTIS STARS; GENERAL CATALOG; EFFECTIVE TEMPERATURE; DETERMINATION; SURFACE GRAVITY**	**8**	**25**	**25.0**
1980	TI-44; TI-44 HALF-LIFE; HALF-LIFE; EVOLUTION; TI-44 ASSOCIATED	7	57	28.6
770	SYMBIOTIC STARS; SYMBIOTIC STAR RR-TEL; SYMBIOTIC STAR AG DRACONIS; SYMBIOTIC STARS SPECTROPOLARIMETRIC OBSERVATIONS; SYMBIOTIC BINARY-SYSTEM AG DRACONIS	7	29	28.6
1925	NARROW-LINE SEYFERT-1 GALAXIES; SOFT-X-RAY PROPERTIES; SEYFERT-1 GALAXIES; EMISSION-LINE PROPERTIES; SOFT-X-RAY BUMP	7	43	14.3

Nr.	Forschungsfront	K	I	CH%
995	INTERSTELLAR CLOUDS; IS DARK-MATTER; COLD GAS COMPONENT; SPIRAL GALAXIES COLD GAS FRACTAL MODELS; FRACTAL STRUCTURE	6	33	50.0
1922	OBSERVATIONS; SOLAR ATMOSPHERE; SUNSPOT; HIGH-RESOLUTION 2-DIMENSIONAL SOLAR SPECTROSCOPY; SOLAR SPECKLE POLARIMETRY	6	50	16.7
1672	NEW INTERPLANETARY PROTON FLUENCE MODEL; INTERPLANETARY PROTON FLUENCE MODEL JPL 1991; MAJOR SOLAR PROTON EVENTS; SOLAR ENERGETIC HEAVY-IONS; STOCHASTIC ACCELERATION	6	33	16.7
1407	CONVECTION ZONE; COMPRESSIBLE CONVECTION; CONVECTIVE PENETRATION; PENETRATIVE CONVECTION PENETRATION BELOW; STELLAR CORES	6	0	16.7
2306	DISTANCE; HIPPARCOS INTERMEDIATE ASTROMETRIC DATA; HIPPARCOS DISTANCES; NEARBY CLUSTERS; HYADES DISTANCE STRUCTURE DYNAMICS	5	100	40.0
2288	SOHO; SOLAR IRRADIANCE MONITORING; IN-FLIGHT PERFORMANCE; HELIOSEISMOLOGY; VIRGO	4	75	100.0
1886	OBSERVED ION CHARGE STATES; SOLAR-WIND ION COMPOSITION SPECTROMETER; HIGH MINOR ION OUTFLOW SPEEDS; SWICS INSTRUMENT; SOUTHERN HIGH-SPEED STREAM RESULTS	4	50	75.0
2110	SOLAR-WIND; SOLAR-WIND STREAM INTERFACES; RECURRENT HIGH-SPEED SOLAR-WIND STREAM; COROTATING; TRANSIENT SOLAR-WIND FLOWS	4	50	50.0
2049	ELLIPTIC GALAXIES; DARK HALO; ELLIPTIC GALAXY NGC-2434; DARK HALO AROUND; E0 GALAXY NGC-6703	4	50	25.0
2279	COMET P/HALLEY; WATER; COMET C/1995 O1 %HALE-BOPP<; COMET C-1996 B2 %HYAKUTAKE<; DEUTERATED WATER	3	67	33.3
1812	MAGNETIC STARS; ACTIVE STARS INSTRUMENTAL; TECHNICAL CONSIDERATIONS; SPECTROPOLARIMETRY; MUSICOS	3	0	33.3
785	OBSERVATIONS; MILLISECOND RADIO SPIKES; INNER SOLAR-WIND; FIELD-ALIGNED DENSITY-FLUCTUATIONS; CORONAL TURBULENCE	3	0	33.3
2289	SOHO; ISOTOPE ANALYSIS SYSTEM; IRON FREEZE-IN TEMPERATURES MEASURED; CELIAS CHARGE ELEMENT; SOHO/CELIAS/CTOF	2	50	100.0
1713	TERMS; T-EFF LOG-G; GENEVA PHOTOMETRY; CALIBRATION; B-TO-G STARS	2	50	100.0
2134	MASSIVE STARS; WOLF-RAYET STARS; NEW MODELS; HIGH-MASS LOSS RATES; GRIDS	2	0	100.0
1541	SOLAR CHROMOSPHERE; FRACTIONATED GASES; ELEMENT FRACTIONATION; DIFFUSION; CORONA	2	0	100.0
2300	O3-B0 STARS; EARLY B-TYPE STARS; MASSIVE STARS SPECTRAL EVOLUTION; LYMAN-CONTINUUM FLUXES; STELLAR PARAMETERS	2	100	50.0
1995	EARLY-TYPE STARS; ROTATING STARS; ROTATIONAL MIXING; MAIN-SEQUENCE EVOLUTION; CIRCULATION	2	50	50.0
2173	SPECTRA; THEORETICAL SPECTRA; PHOTOMETRY; M-GIANT STARS; EVOLUTIONARY SYNTHESIS CALIBRATION	2	50	50.0
2246	SUMER; SOLAR-WIND; SOLAR POLAR CORONAL HOLE OBSERVED; SOHO; KINETIC-PROPERTIES	2	50	50.0
2019	TEV ENERGIES USING; GAMMA-RAYS ABOVE 1 TEV; LA-PALMA; HIGH-RESOLUTION CERENKOV IMAGING-SYSTEM 1988-1991; DETECTION	2	50	50.0
412	VIRGO CLUSTER; VIRGO CLUSTER AREA; 2096 GALAXIES; DISK GALAXIES; PAST	2	0	50.0

CH-Forschungsfronten 1999
Biology & Biochemistry

Nr.	Forschungsfront	K	I	CH%
56	CALMODULIN; PROTEINS; BACKBONE DYNAMICS; STRUCTURE; SOLUTION STRUCTURE	46	20	4.3
838	PEROXYNITRITE; FORMATION; NITRIC-OXIDE; PEROXYNITRITE FORMATION; SUPEROXIDE	46	46	2.2
596	HYBRIDOMA CELLS; HYBRIDOMA GROWTH; HYBRIDOMA GROWTH METABOLISM; CORYNEBACTERIUM-GLUTAMICUM; HYBRIDOMA	45	20	8.9
1072	CHILDREN; DUAL-ENERGY X-RAY ABSORPTIOMETRY; BODY-COMPOSITION; ADOLESCENTS; OVERWEIGHT	44	34	2.3
1233	METFORMIN; PATIENTS; NIDDM; TROGLITAZONE; NIDDM PATIENTS	43	42	4.7
1608	LEPTIN; UNCOUPLING PROTEIN-2; UNCOUPLING PROTEIN-3; UNCOUPLING PROTEINS; MITOCHONDRIAL UNCOUPLING PROTEIN	40	90	15.0
972	PHOSPHOTRIESTERASE; PARAOXONASE; PSEUDOMONAS-DIMINUTA; CHARACTERIZATION; HUMAN SERUM PARAOXONASE	40	30	5.0
515	EXPRESSION; CLONING; FUNCTIONAL EXPRESSION; RAT RENAL PROXIMAL TUBULE; NA+/H+ EXCHANGERS	38	26	2.6
202	ALDOSE REDUCTASE INHIBITORS; ALDO-KETO REDUCTASE SUPERFAMILY; HUMAN ALDOSE REDUCTASE COMPLEXED; HUMAN 17-BETA-HYDROXYSTEROID DEHYDROGENASE TYPE-2; HUMAN ESTROGENIC 17-BETA-HYDROXYSTEROID DEHYDROGENASE	36	22	5.6
2	EXERCISE; MUSCLE METABOLISM DURING EXERCISE; EFFECT; HEAT-STRESS; HORSE DURING EXERCISE	36	19	2.8
1418	PROSTATE-CANCER; LYCOPENE; CAROTENOIDS; RISK; BETA-CAROTENE	35	43	8.6
383	CHILDREN; BONE MASS; BONE-MINERAL DENSITY; BONE; PEAK BONE MASS	35	31	8.6
967	HUMANS; NEAR-INFRARED SPECTROSCOPY; OXYGEN-UPTAKE KINETICS; NONINVASIVE DETERMINATION; TIME-RESOLVED SPECTROSCOPY	35	17	2.9
1127	ATP SYNTHASE; F1-ATPASE; ATP SYNTHESIS; F1F0 ATP SYNTHASE; ROTATION	34	53	5.9
1843	MICROSATELLITE LOCI; MODERN HUMANS; MICROSATELLITE ALLELE FREQUENCIES; GENETIC DISTANCES; MICROSATELLITE DIVERSITY	34	56	2.9
2201	LEPTIN RECEPTOR; PLASMA LEPTIN; LEPTIN ACTION; INSULIN; OBESE	32	75	9.4
645	BIOFILTERS; BIOFILTRATION; BIOREMEDIATION; REMOVAL; BIOLOGICAL TRICKLING FILTER	31	32	6.5
169	ALPHA-PARTICLES; MUTAGENIC EFFECTS; RADIATION-INDUCED CHROMOSOMAL INSTABILITY; DELAYED CHROMOSOMAL INSTABILITY INDUCED; GENOMIC INSTABILITY INDUCED	31	48	3.2
31	INFLUENZA-A VIRUSES; CHARACTERIZATION; FURIN; AVIAN INFLUENZA-A H5N1 VIRUS; HUMAN INFLUENZA-A VIRUS	30	43	3.3
1529	RECEPTOR; MOLECULAR-CLONING; PITUITARY ADENYLATE CYCLASE-ACTIVATING POLYPEPTIDE; EXPRESSION; VASOACTIVE INTESTINAL POLYPEPTIDE	30	17	3.3
574	PROTEINS; LARGER PROTEINS; NMR; C-13 MAGNETIZATION; 3-DIMENSIONAL HETERONUCLEAR NMR	29	10	17.2
1230	OSTEOCLAST DIFFERENTIATION; OSTEOPETROSIS; OSTEOCLAST; OSTEOCLAST DIFFERENTIATION FACTOR IS; MICE	29	45	10.3
922	ACETYLCHOLINESTERASE; ACETYLCHOLINESTERASE INHIBITION; CHOLINESTERASES; HUMAN ACETYLCHOLINESTERASE; ACETYLCHOLINESTERASE COMPLEXED	28	18	3.6
2253	PROTEIN-KINASE-B; ACTIVATION; INSULIN; GLUCOSE-TRANSPORT; ROLE	26	81	15.4
1132	POLYHYDROXYALKANOATES; PRODUCTION; SYNTHESIS; BACTERIAL POLYHYDROXYALKANOATES; POLY%BETA-HYDROXYALKANOATES<	26	23	7.7

Nr.	Forschungsfront	K	I	CH%
1315	BIOLOGICAL-CONTROL; FUSARIUM-WILT; SUPPRESSION; NONPATHOGENIC FUSARIUM-OXYSPORUM; FLUORESCENT PSEUDOMONADS	26	12	3.8
860	MELATONIN; MELATONIN IN-VITRO; MELATONIN MODULATES; PINEAL HORMONE MELATONIN; IMMUNITY MELATONIN ANTAGONIZES	25	36	12.0
1396	MOLECULAR-CLONING; HUMAN CATHEPSIN-K; CRYSTAL-STRUCTURE; CATHEPSIN-K; HUMAN CATHEPSIN-K COMPLEXED	25	52	8.0
1493	DIABETES; DIABETES-MELLITUS; COMPARISON; DIAGNOSIS; FASTING	25	56	4.0
1005	FATTY-ACID COMPOSITION; FATTY-ACIDS; SEED OILS; PICOLINYL ESTERS; N-6 FATTY-ACIDS	24	42	4.2
342	LASER FLASH-PHOTOLYSIS; QUINOLONE ANTIBACTERIALS; PHOTOCHEMISTRY; FLUOROQUINOLONE PHOTOSENSITIZATION; KEY INTERMEDIATE	24	38	4.2
1587	**INSULIN; VASODILATION; HUMANS; SKELETAL-MUSCLE; SKELETAL-MUSCLE BLOOD-FLOW**	**23**	**30**	**30.4**
744	**STRUCTURE; ALANINE RACEMASE; GLUTAMATE RACEMASE; ENZYMES; CRYSTAL-STRUCTURE**	**23**	**22**	**21.7**
1367	HYPOXIA; HYPOXIA-INDUCIBLE FACTOR-1; HYPOXIA-INDUCIBLE FACTOR-I; TRANSCRIPTIONAL REGULATION; REGULATION	22	55	9.1
1057	GENETIC-CODE; TRANSFER-RNA SEQUENCES; TRANSFER-RNA PROVIDES; TRANSFER-RNA GENES; ORIGIN	22	32	4.5
1021	SACCHAROMYCES-CEREVISIAE; YEAST; ARCHITECTURE; PROTEIN GLYCOSYLATION; YEAST PROTEIN	21	43	14.3
492	BIOFILMS; BIOFILM STRUCTURES; HETEROGENEOUS BIOFILMS; LIQUID FLOW; BIOFILM STRUCTURE	21	29	14.3
442	DIETARY-FAT; FAT; FOOD-INTAKE; OBESITY; CONTROL	21	19	9.5
428	LOWER-EXTREMITY AMPUTATION; DIABETIC FOOT ULCERS; AMPUTATION; DIABETIC FOOT; PATIENTS	21	24	4.8
1186	**HONEYBEES; ANTS; VISUAL NAVIGATION; FORAGING HONEYBEES; DESERT ANTS**	**20**	**35**	**35.0**
821	GLUCAGON-LIKE PEPTIDE-1; HUMANS; GLUCAGON-LIKE PEPTIDE-1 7-36; GLUCAGON-LIKE PEPTIDE-1 %7-36<AMIDE; GLUCAGON-LIKE PEPTIDE-1 INCREASES	20	40	15.0
738	CHITIN DEGRADATION; ALLOSAMIDIN; CHITINASE SYSTEM; CHITIN; CHITINASE ACTIVITY	20	30	5.0
108	GRAMICIDIN CHANNEL; SOLID-STATE NMR; GRAMICIDIN; SOLID-STATE NMR-SPECTRUM; GRAMICIDIN-A	20	30	5.0
662	THERMOMONOSPORA-FUSCA; PURIFICATION; LIMITED PROTEOLYSIS; CELLULOSOME; TRICHODERMA-REESEI	20	25	5.0
291	CHROMIUM; CHROMIUM PICOLINATE; SUPPLEMENTAL CHROMIUM; EFFECT; CHROMIUM ABSORPTION	20	15	5.0
1828	DETECTION; PCR; AMPLIFICATION; REAL-TIME QUANTITATIVE PCR; DETECTING PCR PRODUCT	19	68	5.3
1190	ANOREXIA-NERVOSA; BONE-DENSITY; CONTRACEPTION; OSTEOPENIA; EFFECTS	19	21	5.3
1585	STRUCTURE; CANDIDA-RUGOSA LIPASE; LIPASE; INTERFACIAL ACTIVATION; CATALYTIC MECHANISM	18	11	5.6
966	EXPOSURE; LOW-LEVEL EXPOSURE; NONHUMAN-PRIMATES AFTER EXPOSURE; RADIATION EXPOSURE SOCIOECONOMIC-STATUS; RAT-BRAIN CELLS AFTER ACUTE EXPOSURE	17	59	11.8
888	GROWTH-HORMONE INSENSITIVITY SYNDROME; GROWTH-HORMONE RECEPTOR; RAT GROWTH-HORMONE RECEPTOR; HUMAN GROWTH-HORMONE RECEPTOR GENE; GROWTH-HORMONE %GH< INSENSITIVITY SYNDROME	17	41	5.9
45	SUPPORTED BILAYERS; FORMATION; SUPPORTED PHOSPHOLIPID-BILAYERS; SOLID SUPPORTED MEMBRANES; SUPPORTED PLANAR BILAYERS	16	25	12.5
997	ACROMEGALY; RESULTS; TREATMENT; MEDICAL PROGRESS ACROMEGALY; INTERNATIONAL MULTICENTER ACROMEGALY STUDY-GROUP	16	25	6.3

Nr.	Forschungsfront	K	I	CH%
1196	RELATIONSHIPS; ORIGIN; TRILOBITE PALEOBIOLOGY; TRILOBITE CRANIDIUM; TRILOBITE SUBORDER-ASAPHINA	16	12	6.3
242	TETRACHLOROETHENE; REDUCTIVE DECHLORINATION; DECHLORINATION; BIOLOGICAL REDUCTIVE DECHLORINATION; REDUCTIVE DEHALOGENATION	15	27	13.3
324	CALCIUM; CALCIUM-ABSORPTION; CALCIUM BIOAVAILABILITY; DIETARY CALCIUM; CALCIUM SALTS	15	13	13.3
1086	PHANEROCHAETE-CHRYSOSPORIUM; DEGRADATION; SULFONATED AZO DYES; AZO; AZO DYES	15	0	6.7
1721	GLYCOSYL HYDROLASES; GLYCOSYL HYDROLASES BASED; CLASSIFICATION; MECHANISMS; SEQUENCE-BASED CLASSIFICATION	14	50	14.3
1502	MILD IODINE DEFICIENCY; IODINE DEFICIENCY; IODINE INTAKE; IODINE NUTRITION; URINARY IODINE	14	36	14.3
1690	TESTOSTERONE; EFFECTS; TESTOSTERONE REPLACEMENT; EXOGENOUS TESTOSTERONE; TESTOSTERONE BUCICLATE	14	43	7.1
2294	**DATABASE; PIR-INTERNATIONAL PROTEIN-SEQUENCE DATABASE; ENTREZ MOLECULAR-BIOLOGY DATABASE; PRINTS PROTEIN FINGERPRINT DATABASE; PROSITE DATABASE ITS STATUS**	**13**	**100**	**23.1**
536	STEROIDOGENIC ACUTE REGULATORY PROTEIN; PROTEIN; STEROIDOGENIC ACUTE REGULATORY PROTEIN EXPRESSION; STEROIDOGENIC ACUTE REGULATORY PROTEIN %STAR<; HUMAN STEROIDOGENIC ACUTE REGULATORY PROTEIN FUNCTIONAL-ACTIVITY	13	54	15.4
648	CHARACTERIZATION; PURIFIED ENZYME; PURIFICATION; N-CARBAMOYL-D-AMINO ACID AMIDOHYDROLASE; EXPRESSED ENZYME	12	25	16.7
628	CYSTINURIA; GENETIC-HETEROGENEITY; AMINO-ACIDS; AMINO-ACID-TRANSPORT; TYPE-III CYSTINURIA	12	42	8.3
672	**NEUROPEPTIDE-Y; PANCREATIC-POLYPEPTIDE NEUROPEPTIDE-Y; Y5 NEUROPEPTIDE-Y RECEPTOR; HUMAN NEUROPEPTIDE-Y PEPTIDE-YY RECEPTOR; FUNCTIONAL EXPRESSION**	**11**	**55**	**27.3**
1385	**PLASMA-MEMBRANE CALCIUM-PUMP; PLASMA-MEMBRANE CA2+ PUMP; PLASMA-MEMBRANE CA-2+-ATPASE ISOFORMS DISTRIBUTION; MOBILIZATION; INTERNAL STORES**	**11**	**9**	**27.3**
1568	VIRULENCE; EVOLUTION; PARASITE VIRULENCE; PARASITIC DISEASES; PERSPECTIVE VIRULENCE	11	27	18.2
622	BACTERIAL ADHESION; ADHESION; HYDROPHOBICITY; ADHESION POTENTIAL; BACTERIAL HYDROPHOBICITY	11	18	9.1
1248	ATHLETES AFTER TRAINING; LOW-ALTITUDE TRAINING; BLOOD-GLUCOSE AFTER ACCLIMATIZATION; HIGH-ALTITUDE TRAINING ASPECTS; LACTATE DURING EXERCISE AFTER ACCLIMATIZATION	11	9	9.1
795	THYROTROPIN RECEPTOR; THYROTROPIN; GROWTH; HUMAN THYROTROPIN RECEPTOR; SOMATIC MUTATIONS	10	20	10.0
1218	**SOLUBLE RECOMBINANT PROTEINS; AGGREGATION; PROTEIN FOLDING INTERMEDIATES; PROTEIN AGGREGATION FOLDING AGGREGATES INCLUSION-BODIES; LYSOZYME**	**9**	**22**	**22.2**
737	SACCHAROMYCES-CEREVISIAE; GROWTH; YEASTS; SACCHAROMYCES-CEREVISIAE ANAEROBIC GROWTH; SACCHAROMYCES-CEREVISIAE IS CONTROLLED	9	33	11.1
1286	**POLY-BETA-HYDROXYBUTYRATE; ISOLATION; POLYPHOSPHATE KINASE GENE; INORGANIC POLYPHOSPHATE TOWARD MAKING; POLY-BETA-HYDROXYBUTYRATE CALCIUM POLYPHOSPHATE CHANNEL**	**8**	**0**	**25.0**
139	RISK; DIETARY FIBER GLYCEMIC LOAD; CORONARY HEART-DISEASE; FIBER; DIETARY FIBER	8	50	12.5
1875	EUCESTODA; PRELIMINARY PHYLOGENETIC ANALYSIS; PHYLOGENY; PHYLOGENETIC CHARACTERS; EUCESTODA %PLATYHELMINTHES CERCOMERIA<	7	86	42.9

Nr.	Forschungsfront	K	I	CH%
1841	PROTEIN-KINASE C-ALPHA EXPRESSION; INHIBITION; ANTISENSE OLIGONUCLEOTIDES; ANTISENSE INHIBITORS; ANTISENSE OLIGONUCLEOTIDES INHIBIT INTERCELLULAR-ADHESION MOLECULE-1 EXPRESSION	7	43	42.9
1519	TREHALOSE; TREHALOSE RESERVE; TREHALOSE SYNTHESIS; TREHALOSE SYNTHASE GUARD; YEAST	7	14	42.9
1490	ECORV ENDONUCLEASE; ECORV RESTRICTION ENDONUCLEASE; DNA; ECORV RESTRICTION ENDONUCLEASE BINDS ALL DNA-SEQUENCES; BAM-HI ENDONUCLEASE BOUND	7	14	28.6
523	GENETIC DIFFERENTIATION; EXTINCTION; SOME POPULATION GENETIC CONSEQUENCES; EXTINCTION GENETIC CORRELATIONS WITHIN FOUNDING GROUPS; GROUP SELECTION WHAT	7	43	14.3
1192	PROLYL ENDOPEPTIDASE; CHARACTERIZATION; NEUROPEPTIDES; HUMAN BRAIN PROLYL ENDOPEPTIDASE; PORCINE BRAIN PROLYL ENDOPEPTIDASE	7	0	14.3
1989	TETANUS; BOTULINUM NEUROTOXINS SEROTYPE-A; BOTULISM NEUROTOXINS; CLOSTRIDIAL NEUROTOXINS NEW TOOLS; BOTULINUM-B NEUROTOXINS BLOCK NEUROTRANSMITTER RELEASE	7	0	14.3
1890	WORTMANNIN; PHOSPHATIDYLINOSITOL 3-KINASE; POTENT PHOSPHATIDYLINOSITOL 3-KINASE INHIBITOR; WORTMANNIN IS; WORTMANNIN THROUGH	7	0	14.3
931	CARBON-PHOSPHORUS BOND-CLEAVAGE; BACTERIA; PHOSPHATE STARVATION-INDEPENDENT CARBON-PHOSPHORUS BOND-CLEAVAGE ACTIVITY; BACTERIAL CARBON-PHOSPHORUS LYASE PRODUCTS RATES; GRAM-NEGATIVE SOIL BACTERIA	6	0	50.0
1772	CALCIUM-BINDING PROTEIN REGUCALCIN; RAT-LIVER; INTRACELLULAR CALCIUM-BINDING PROTEINS MORE SITES THAN INSIGHTS; CA2+-BINDING PROTEINS; RAT-LIVER CYTOSOL	6	0	33.3
1791	LISTERIA-MONOCYTOGENES; LISTERIA-MONOCYTOGENES ISOLATED; LISTERIA-MONOCYTOGENES SEROVAR-4B; LISTERIA-MONOCYTOGENES DURING FABRICATION; PULSED-FIELD FINGERPRINTING	6	17	16.7
1336	PRODUCTION; LARGE-SCALE PRODUCTION; C-20-POLYUNSATURATED FATTY-ACIDS; MORTIERELLA FUNGI; MORTIERELLA FUNGI SELECTION	6	17	16.7
1480	REGULATION; PROTEIN PHOSPHATASES; PROTEIN-SERINE THREONINE PHOSPHATASES STRUCTURE REGULATION; CELL REGULATION; SERINE THREONINE PROTEIN PHOSPHATASES	6	17	16.7
1902	ADRENAL GLOMERULOSA CELLS; STEROIDOGENESIS; BOVINE ADRENAL GLOMERULOSA CELLS; STEROIDOGENIC CELLS; CAPACITATIVE CALCIUM INFLUX	5	40	80.0
1810	URINARY PYRIDINIUM CROSS-LINKS; PYRIDINIUM CROSS-LINKS; MARKERS; URINARY CALCIUM EXCRETION; URINARY HYDROXYPYRIDINIUM CROSS-LINK MEASUREMENTS	5	0	40.0
2274	OLESTRA; OLESTRA DOSE-RESPONSE; ESTIMATED CONSUMPTION; OLESTRA OR REGULAR TRIGLYCERIDE POTATO-CHIPS; GASTROINTESTINAL SYMPTOMS FOLLOWING CONSUMPTION	5	80	20.0
299	AEROSOL DEPOSITION; AEROSOL BOLI; STOCHASTIC AEROSOL DEPOSITION CALCULATIONS; AEROSOL BOLUS DISPERSION; HUMAN PULMONARY ACINUS	5	20	20.0
1467	CRYPTOSPORIDIUM-PARVUM; CRYPTOSPORIDIUM-PARVUM OOCYSTS; OZONE CHLORINE DIOXIDE CHLORINE; OZONE INACTIVATION; ADDED OZONE	5	20	20.0
1337	SOPHOROSE LIPIDS; SOPHOROSE LIPID FERMENTATION; SINGLE-CELL OILS HAVE THEY; PRODUCTION PHASES; PRODUCE BIOSURFACTANT	5	20	20.0
455	ANGIOGENIN; ISOLATION; ANGIOGENIC PROTEIN; TUMOR NECROSIS FACTOR-ALPHA; ENDOTHELIAL-CELL GROWTH-INVITRO IS ANGIOGENIC INVIVO	5	0	20.0

Nr.	Forschungsfront	K	I	CH%
1330	CHLORINS; PHOTODYNAMIC THERAPY; MESO-TETRA%HYDROXYPHENYL<PORPHYRINS; TUMOR PHOTOSENSITIZERS; PHOTOPHYSICAL PROPERTIES	5	0	20.0
384	EFFECT; ALCOHOL; ALCOHOL-CONSUMPTION; ANTIOXIDANT SYSTEMS; ALCOHOL-CONSUMPTION NUTRIENT INTAKE	5	0	20.0
140	IRON IS HEMOGLOBIN; HEMOGLOBIN; IRON PROMOTERS; ORALLY EFFECTIVE IRON CHELATORS; FENTON REACTION	5	0	20.0
2060	PROTEIN IDENTIFICATION; PROTEINS; MASS PROFILE FINGERPRINTING; IDENTIFYING PROTEINS; IDENTIFY PROTEINS	5	0	20.0
2023	PSEUDOMONAS-OLEOVORANS; PRODUCTION; PSEUDOMONAS-OLEOVORANS GROWTH; 2-LIQUID-PHASE MEDIA; CONTINUOUS PRODUCTION	4	25	100.0
1566	CAPTIVE BUBBLE METHOD; CAPTIVE BUBBLE METHOD REPRODUCES; PULMONARY SURFACTANT SURFACE-TENSION AREA; LUNG SURFACTANT MONOLAYERS; LIPID EXTRACT SURFACTANT	4	0	50.0
1588	COMPARATIVE PHYLOGEOGRAPHY; SPECIATION; SOME GENETIC CONSEQUENCES; POSTGLACIAL COLONIZATION ROUTES; PALEARCTIC FISHES	4	75	25.0
2009	PREVALENCE; 7 POPULATIONS; NIDDM AMONG POPULATIONS; IMPAIRED GLUCOSE-TOLERANCE; HYPOTHESIS MUSCLE INSULIN-RESISTANCE IS	4	75	25.0
1967	ALU REPEATS; ALU SEQUENCES; RECENT ALU INSERTIONS; PROTEIN VARIABILITY; MESSENGER-RNA SOURCE	4	50	25.0
1559	EFFECTS; COLOSTRUM MILK INTAKE; DELAYING COLOSTRUM INTAKE; METABOLIC TRAITS; METABOLIC HORMONES	4	50	25.0
2051	INSULIN ACTION; RELATIONSHIP; OXIDATIVE STRESS; NON-INSULIN-DEPENDENT DIABETIC-PATIENTS; INSULIN ACTION IS THERE	4	50	25.0
2165	MICRONUTRIENT STATUS; ELDERLY PEOPLE; ELDERLY MODIFICATION; MICRONUTRIENT SUPPLEMENTS; EATING-DEPENDENT NURSING-HOME RESIDENTS UNDERUTILIZATION	4	50	25.0
1929	PHYLOGENY; SMALL NEW-WORLD MONKEYS; PRIMATES BASED; NEW-WORLD MONKEYS %PLATYRRHINI PRIMATES<; MOLECULAR PHYLOGENY	4	50	25.0
632	AMINO-ACIDS; DIMETHYLAMINOAZOBENZENE THIOHYDANTOIN AMINO-ACID DERIVATIVES; AMINO-ACID ANALYSIS; DIMETHYLAMINOAZOBENZENE SULFONYLAMINOAZOBENZENE; AMINO-ACIDS AFTER GAS-PHASE HYDROLYSIS	4	25	25.0
1908	BIVALENT HUMANIZED ANTIBODY FRAGMENT; BIVALENT; PRODUCTION; ANTI-HUMAN CD3 SINGLE-CHAIN FV ANTIBODY FRAGMENT THAT AFFECT; RECOMBINANT ANTIBODY IMPROVE ITS IN-VIVO FOLDING	4	25	25.0
2032	HIGH-AFFINITY PHOSPHOTYROSYL PEPTIDE; SRC HOMOLOGY-2 DOMAIN; SRC SH2 DOMAIN CRYSTAL-STRUCTURES; PHOSPHATASE-RESISTANT SH2 DOMAIN INHIBITORS; NONHYDROLYZABLE PHOSPHOTYROSYL MIMETICS	4	25	25.0
1518	KAHWEOL; COFFEE; SERUM-LIPIDS; EFFECTS; BOILED COFFEE	4	25	25.0
4	ESTIMATING F-STATISTICS; CALCULATE F-STATISTICS; FSTAT %VERSION-1.2<; GENEPOP %VERSION-1.2< POPULATION-GENETICS SOFTWARE; POPULATION-STRUCTURE	4	0	25.0
476	IRON%III<; AMORPHOUS IRON%III< HYDROXIDE HYDRATE; REVIEW; REACTION-MECHANISM; PROPERTIES	4	0	25.0
1411	STRUCTURE; TUMOR NECROSIS FACTOR; TUMOR NECROSIS FACTOR-ALPHA; HUMAN TUMOR NECROSIS FACTORS; SOLUBLE HUMAN 55 KD TNF RECEPTOR-HUMAN TNF-BETA COMPLEX IMPLICATIONS	4	0	25.0
1425	GIANT PHOSPHOLIPID-VESICLES STATICS; MICROINJECTION INTO GIANT VESICLES; LIPID TRANSPORT DURING MITOSIS ALTERNATIVE PATHWAYS; LIGHT-MICROSCOPY INVESTIGATION; LATEX SPHERES	3	67	33.3
977	PHOTODYNAMIC THERAPY; THERAPY; PHOTOBLEACHING; PHOTOBLEACHING PROCESS; SENSITIZERS SIGNIFICANCE	3	67	33.3

Nr.	Forschungsfront	K	I	CH%
1397	HUMAN INSULIN PROINSULIN 65-66 SPLIT; INSULIN DEFICIENCY; 32-33 SPLIT PROINSULINS; INCOMPLETELY PROCESSED PROINSULIN IS; SENSITIVE	3	33	33.3
124	BIOAVAILABILITY; DIFFERENTIAL BIOAVAILABILITY; SORBED 3-CHLORODIBENZOFURAN; SOILS; SOIL-SORBED NAPHTHALENE	3	0	33.3
1154	INTERNATIONAL GROWTH REFERENCE; INTERNATIONAL GROWTH REFERENCE HISTORICAL; TECHNICAL CONSIDERATIONS; NUTRITIONAL-STATUS USING ANTHROPOMETRY; NORMALIZED CURVES	3	0	33.3
1638	MELITTIN; ORIENTATION; PHOSPHOLIPID-BILAYERS; MEMBRANES; HELICAL STRUCTURE	3	0	33.3
2402	1999; ITS SUPPLEMENT TREMBL; PROSITE DATABASE ITS STATUS; SWISS-PROT PROTEIN-SEQUENCE DATA-BANK	2	100	100.0
2259	4$-DNA RADICALS; SINGLE-STRANDED 4$-DNA RADICALS INFLUENCE; RADICAL PRECURSOR; CONFORMATION LIFETIME; CHEMISTRY	2	50	100.0
1846	DETERMINATION; SIMULTANEOUS DETERMINATION; VITAMIN-A; REVERSED PHASE; RETINOL TOCOPHEROLS CAROTENES	2	0	100.0
1165	ELECTRIC CHARGE; ELECTRIC CHARGE EFFECTS; PHOSPHOLIPID HEAD GROUPS; PHOSPHOLIPID HEADGROUPS PHOSPHATIDYLCHOLINE; MIXTURES	2	0	100.0
239	ENDURANCE TRAINING; HUMANS; HUMANS AEROBIC CAPACITY; STRUCTURE; SKELETAL-MUSCLE	2	0	100.0
2053	FEMALE MATE PREFERENCES; POSITIVE GENETIC CORRELATION BETWEEN FEMALE PREFERENCE; PREFERRED MALE ORNAMENT; GENETIC-BASIS; STICKLEBACKS	2	0	100.0
2333	LEAN RATS; LEPTIN; LEAN ANIMALS; NOT OBESE ZUCKER RATS; GENETICALLY-OBESE FALFA RATS REDUCED SENSITIVITY COMPARED	2	100	50.0
2369	MOLECULAR CLOCK; MOLECULAR EVOLUTION; RIBOSOMAL DNA-SEQUENCES; RATES; FOSSIL RECORD	2	100	50.0
2360	Y2 ANTAGONIST; NEUROPEPTIDE-Y; SELECTIVE ANTAGONIST; Y2 RECEPTOR SYNTHESIS; NOVEL NONPEPTIDE NEUROPEPTIDE-Y Y1 RECEPTOR ANTAGONIST BIBO-3304	2	100	50.0
1405	CHIMPANZEES; WILD CHIMPANZEES; RED COLOBUS-DIANA MONKEY ASSOCIATIONS UNDER PREDATION PRESSURE; HUNTING BEHAVIOR; FORMATION	2	50	50.0
1732	COMPARISON; INDUCTIVELY-COUPLED PLASMA-ATOMIC EMISSION-SPECTROMETRY; INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY; QUANTITATIVE NEUTRON-CAPTURE RADIOGRAPHY	2	50	50.0
957	HOFMEISTER EFFECT; HOFMEISTER SERIES SALT; SOLVENT EFFECTS; INTERFACIAL PHENOMENA; INTERFACES	2	50	50.0
1891	INSULIN-SECRETION; GLUCOSE-STIMULATED INSULIN-SECRETION REQUIRES NITRIC-OXIDE; L-ARGININE DERIVED NITROGEN-OXIDES; EARLY PHASE; PANCREATIC B-CELLS CAUSED	2	50	50.0
1626	INTERMOLECULAR INTERACTIONS; INTERMOLECULAR NOES; MULTINUCLEAR NMR-SPECTROSCOPY APPLICATION; 2-DIMENSIONAL @H-1 H-1* NMR-SPECTROSCOPY COMBINED USE; METHODS	2	50	50.0
2164	RO-48-8071; NEW 2,3-OXIDOSQUALENE-LANOSTEROL CYCLASE INHIBITOR LOWERING PLASMA-CHOLESTEROL; MINIPIGS COMPARISON; HAMSTERS SQUIRREL-MONKEYS; BIOCHEMISTRY	2	50	50.0
2206	STRUCTURAL POSITION; PALMITIC ACID; MINERAL BALANCE; INFANT FORMULAS EFFECTS; FAT-ABSORPTION	2	50	50.0
1880	SULFUR METABOLISM PATHWAY; SACCHAROMYCES-CEREVISIAE UPDATING; PSEUDOMONAS-AERUGINOSA; NOVEL REDUCED FLAVIN MONONUCLEOTIDE-DEPENDENT METHANESULFONATE SULFONATASE ENCODED; NEW MUTATION CONFERRING CYSTEINE AUXOTROPHY	2	50	50.0
1388	UNIQUE SIGNATURE IDENTIFIES; RAT-LIVER AMINOPEPTIDASE-B; MOLECULAR-CLONING; FAMILY; EXPRESSION	2	50	50.0
2210	@IN-111-DTPA-D-PHE%1<*OCTREOTIDE SCINTIGRAPHY; INDIUM-111-PENTETREOTIDE SCINTIGRAPHY; PARAMETER; ORBITAL GRAVES-DISEASE; GRAVES OPHTHALMOPATHY	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
2162	AMINO-ACIDS PEPTIDES; CIRCULATING BIOACTIVE PEPTIDES DETERMINATION; PROTEINS; PHYSIOLOGICAL-ROLE; INSULIN-LIKE GROWTH-FACTOR BINDING-PROTEINS	2	0	50.0
1939	API LISTERIA; IDENTIFY LISTERIA ISOLATES; REGIONALLY POPULAR FOOD; PROMISING ONE-DAY SYSTEM; PAKISTAN	2	0	50.0
2014	APOPTOSIS; ENDONUCLEASE INVOLVED; ENDOGENOUS DEOXYRIBONUCLEASE INVOLVED; NUCLEAR-DNA DEGRADATION DURING APOPTOSIS %PROGRAMMED CELL-DEATH<; DEOXYRIBONUCLEASE-II	2	0	50.0
1705	CLEAVAGE; POLYADENYLATION; 3$-END CLEAVAGE; POLYADENYLATION INVITRO; POINT MUTATIONS	2	0	50.0
1510	COSTS INFLUENCE SEQUENTIAL MATE CHOICE; DEVELOPMENTAL STAGE INFLUENCE SPAWNING-SITE CHOICE; FEMALE GARIBALDI; EGG PRESENCE; STICKLEBACKS GASTEROSTEUS-ACULEATUS	2	0	50.0
1469	CYTOCHROME-P-450 HPCN3; HPCN3; NOVEL CYTOCHROME-P-450 IIIA-GENE PRODUCT THAT IS DIFFERENTIALLY EXPRESSED; METABOLIC CAPABILITIES; M	2	0	50.0
1764	DRUG DELIVERY; DRUG DESIGN; QUANTITATIVE IR SPECTROPHOTOMETRY; PEPTIDE COMPOUNDS; INSITU INFRARED ATTENUATED TOTAL REFLECTION %IR ATR< SPECTROSCOPY	2	0	50.0
1064	ENERGY-EXPENDITURE; ENERGY-EXPENDITURE NET CARBOHYDRATE UTILIZATION; FUEL UTILIZATION; NET FAT OXIDATION; SPECIAL REFERENCE	2	0	50.0
2065	HEAT-SHOCK PROTEINS; MAJOR HEAT-SHOCK PROTEINS; MOLECULAR CHAPERONES; MOLECULAR CHAPERONE FUNCTIONS; ROLE	2	0	50.0
1113	ISCHEMIA; MYOCARDIAL ISCHEMIA; ISOLATED ARTERIALLY PERFUSED RABBIT PAPILLARY-MUSCLE; INFARCTION; INCREASE	2	0	50.0
51	LIPID EXTRACTION; EFFICIENT METHOD; STANDARDIZED METHOD; DETERMINING VITAMIN-E LIPID RATIOS; USE	2	0	50.0
1128	MEMBRANE-POTENTIAL CAN BE DETERMINED; LIVER; INDIVIDUAL CELLS; FRUCTOSE PREVENTS HYPOXIC CELL-DEATH; CATIONIC DYES	2	0	50.0
586	NUMBER; ENDOTHELIAL-CELLS; DETERMINATION; CULTURE USING; CELLS CULTURED	2	0	50.0
1621	NUTRITIONAL-STATUS; FRACTURED NECK; FEMUR; ELDERLY PATIENTS; EFFECT	2	0	50.0
916	PHANEROCHAETE-CHRYSOSPORIUM; HOMOLOGY AMONG MULTIPLE EXTRACELLULAR PEROXIDASES; LIGNIN PEROXIDASE	2	0	50.0
2178	PKC ZETA IS; PROTEIN-KINASE-C-ZETA ISOFORM IS CRITICAL; SPHINGOMYELINASE; SIGNAL-TRANSDUCTION; MOLECULAR SWITCH	2	0	50.0
1509	PROPERTIES; NOVEL MOLLUSCAN METALLOTHIONEINS; METALLOTHIONEIN; EDIBLE MUSSEL MYTILUS-EDULIS; COMPLETE AMINO-ACID-SEQUENCES	2	0	50.0
1551	PROTEINS; MAMMALIAN-CELL CULTURE; LIGAND LEAKAGE USING 8 DIFFERENT PROTEIN-A AFFINITY-CHROMATOGRAPHY MATRICES; INDUSTRIAL-SCALE HARVEST; IMMUNOGLOBULIN BINDING-CAPACITIES	2	0	50.0
2064	REGULATION; POIKILOTHERMIC VERTEBRATES; LIPID-METABOLISM; GENE-EXPRESSION; DIFFERENT PATTERNS	2	0	50.0
1562	SALMONELLA SPP; PROTEUS SPP; SALMONELLA SPECIES; NEW PLATE MEDIUM; 5 NEW PLATING MEDIA	2	0	50.0
1661	SODIUM-DODECYL-SULFATE PROTEIN COMPLEXES; PROTEIN-SURFACTANT INTERACTIONS; PROTEIN-DECORATED MICELLE STRUCTURE; NEUTRON-SCATTERING; DETERMINED	2	0	50.0
1098	SOLUTION; SOLUTION STRUCTURE; PROTEIN STRUCTURES; X-RAY STRUCTURES; NUCLEAR MAGNETIC-RESONANCE	2	0	50.0
1766	STRUCTURE-FUNCTION RELATIONSHIP; SODIUM-PUMP; NA,K-ATPASE; ITS RELEVANCE; DISEASE	2	0	50.0
1947	UTILIZATION; POLLEN CONSUMPTION; JELLY WITHIN; INDIVIDUAL AGE; HONEYBEE COLONY	2	0	50.0
1515	VERSICAN; LARGE FIBROBLAST PROTEOGLYCAN VERSICAN; HYALURONATE BINDING-PROPERTIES; MULTIPLE DOMAINS	2	0	50.0

CH-Forschungsfronten 1999

Chemistry

Nr.	Forschungsfront	K	I	CH%
394	REACTIVITIES; LASER FLASH-PHOTOLYSIS; FLASH-PHOTOLYSIS GENERATION; FLASH-PHOTOLYSIS; PHENYLNITRENE	50	34	8.0
41	SYNTHESIS; CHARACTERIZATION; SYNTHESIS STRUCTURE; STRUCTURAL CHARACTERIZATION; CRYSTAL-STRUCTURE	50	44	2.0
1092	ORGANIC CHARGE-TRANSFER COMPLEXES; ORGANIC NITROXIDE; ORGANIC METALS; ORGANIC CONDUCTORS; ORGANIC RADICAL FERROMAGNET	50	38	2.0
82	**SELECTIVITY; CARRIER-BASED ION-SELECTIVE ELECTRODES; ION-SELECTIVE ELECTRODE; ION-SELECTIVE ELECTRODES; ION-SELECTIVE ELECTRODES BASED**	**48**	**29**	**29.2**
170	DNA; DOUBLE-STRANDED DNA; DNA HELIX; DUPLEX DNA; OXIDIZED DNA BASES	47	55	8.5
695	X-RAY MAGNETIC CIRCULAR-DICHROISM; CALCULATIONS; MAGNETIC CIRCULAR X-RAY DICHROISM; X-RAY PHOTOELECTRON-SPECTROSCOPY; X-RAY NATURAL CIRCULAR-DICHROISM	47	21	2.1
854	CATALYTIC COMBUSTION; METHANE; HIGH-TEMPERATURE CATALYTIC COMBUSTION; COMBUSTION; METHANE OXIDATION	47	6	2.1
1205	**CONVERSION; NANOCRYSTALLINE TIO2 FILMS; NANOCRYSTALLINE TIO2 ELECTRODES; NANOCRYSTALLINE TIO2 %ANATASE<; NANOCRYSTALLINE TIO2 POWDERS**	**46**	**54**	**41.3**
18	LOCAL MODES; APPLICATION; OVERTONE FREQUENCIES; MOLECULES; VIBRATIONAL FREQUENCIES	45	33	6.7
1576	HYDROGEN-PEROXIDE; TITANIUM SILICALITE; SYNTHESIS; OXIDATION; ATOMIC LAYER EPITAXY	44	25	9.1
534	EVOLUTION; ARTHROPOD PHYLOGENY; CRYSTAL-STRUCTURE; DIOXYGEN BINDING; MITOCHONDRIAL GENOME	42	40	9.5
1804	APPLICATION; ITS APPLICATION; NUCLEAR-MAGNETIC-RESONANCE SPECTROSCOPY; SOLID-STATE NMR-SPECTROSCOPY; CHARACTERIZATION	42	55	2.4
730	ADSORPTION; LOW-TEMPERATURE CO OXIDATION; HYDROGEN; TIO2%110<; LOW-TEMPERATURE OXIDATION	42	40	2.4
241	**CHIRAL LIGANDS; ASYMMETRIC CATALYSIS; LIGANDS; CATALYSIS; PALLADIUM COMPLEXES**	**41**	**32**	**22.0**
50	SYNTHESIS; NITRILE OXIDES; NITRONES; TOTAL SYNTHESIS; ASYMMETRIC 1,3-DIPOLAR CYCLOADDITION	41	39	2.4
439	MIXTURES; PHASE-BEHAVIOR; SPREADING; NONIONIC MICROEMULSIONS; MICROEMULSIONS	40	18	2.5
1692	CAPILLARY ELECTROPHORESIS; ELECTROPHORESIS; MICROCHIP; HIGH-PERFORMANCE CAPILLARY ELECTROPHORESIS; CAPILLARY ELECTROPHORESIS INJECTORS	39	41	15.4
1613	CARBOSILANE DENDRIMERS; DENDRIMERS; SYNTHESIS; SILANE DENDRIMERS; HETEROATOM-BASED DENDRIMERS	39	62	7.7
859	SOLID-PHASE MICROEXTRACTION; DETERMINATION; ANALYSIS; SOLID-PHASE MICROEXTRACTION COUPLED; WATER USING SOLID-PHASE MICROEXTRACTION	39	38	5.1
392	PREWETTING; WETTING; ROTATIONAL SPECTRA; HE-4; STRUCTURE	38	37	5.3
122	DISSOCIATIVE ELECTRON-ATTACHMENT; APPLICATION; ABSORBING BOUNDARY-CONDITIONS; CALCULATION; DISCRETE VARIABLE REPRESENTATION	38	26	5.3
964	INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY; PLASMA SOURCE-MASS SPECTROMETRY; INDUCTIVELY COUPLED PLASMA; DETERMINATION; ISOTOPE RATIO MEASUREMENT	38	42	2.6
706	STAINLESS-STEEL; ANALYSIS; PASSIVE FILMS; ELECTROCHEMICAL NOISE-ANALYSIS; METASTABLE PITTING	37	16	5.4

Nr.	Forschungsfront	K	I	CH%
40	PASSIVITY; PASSIVE FILM; IRON; PASSIVE FILMS; PASSIVE STATE	36	28	5.6
495	REACTIVE DISTILLATION; KINETICS; SYNTHESIS; DESIGN; DISTILLATION	36	33	2.8
1071	NITROGENASE; AZOTOBACTER-VINELANDII; NITROGENASE IRON PROTEIN; MOLYBDENUM NITROGENASE; NITROGENASE P-CLUSTER	35	43	2.9
404	LANTHANIDE%III< COMPLEXES; LANTHANIDE COMPLEXES; MAGNETIC-RESONANCE-IMAGING; SOLUTION; CONTRAST AGENTS	34	24	14.7
954	ARYL CHLORIDES; ARYL BROMIDES; PALLADIUM-CATALYZED AMINATION; ARYL HALIDES; CHLOROARENES	34	74	2.9
340	TOTAL-REFLECTION X-RAY-FLUORESCENCE ANALYSIS; THIN-FILM ANALYSIS; ANALYSIS; TOTAL-REFLECTION X-RAY-FLUORESCENCE; GAAS	34	26	2.9
113	LINEAR SCALING COMPUTATION; COMBINED QUANTUM-MECHANICAL; LINEAR SYSTEM-SIZE SCALING; MOLECULAR-DYNAMICS SIMULATIONS; VERY LARGE SYSTEMS	33	42	6.1
889	CRYSTAL ENGINEERING; HYDROGEN-BONDING; DIHYDROGEN CRYSTAL; CRYSTAL ENGINEERING STRATEGIES	33	36	3.0
379	SEPARATION; HUMAN SERUM-ALBUMIN; RETENTION; CHIRAL DRUGS; TRICHODERMA-REESEI	33	33	3.0
1031	SORPTION; SURFACE PRECIPITATION; CHROMATE REDUCTION; %HYDR<OXIDES; EXAFS SPECTROSCOPY	32	44	6.3
946	SYNTHESIS; CARBYNE; LINEAR ACETYLENIC CARBON; ELECTROCHEMICAL CARBON; COORDINATED CARBON	32	38	6.3
1325	SOLID-PHASE SYNTHESIS; SOLID-PHASE ORGANIC-SYNTHESIS; SYNTHESIS; SOLID-PHASE; TRACELESS SOLID-PHASE SYNTHESIS	32	75	3.1
14	METHANE; ACTIVATION; STRUCTURE; C-H ACTIVATION; INFRARED STUDY	32	41	3.1
195	SYNTHESIS; HYDROTHERMAL SYNTHESIS; PROPERTIES; STRUCTURE; CLUSTERS	32	41	3.1
950	SELF-ASSEMBLED MONOLAYERS; ELECTRON-TRANSFER; SELF-ASSEMBLED ALKANETHIOL MONOLAYERS; SELF-ASSEMBLED POLYDIACETYLENE MONOLAYERS; MOLECULAR WIRES	31	42	6.5
764	ZIRCONACYCLOPENTADIENES; SYNTHESIS; SYNTHESIS PROPERTIES; STRUCTURES; REACTIVITY	31	39	3.2
593	SYNTHESIS; CARBOCYCLIC NUCLEOSIDES; NUCLEOSIDES; OLIGONUCLEOTIDES; NUCLEOSIDES SYNTHESIS	30	40	6.7
329	IONS; FOURIER-TRANSFORM ION-CYCLOTRON RESONANCE MASS-SPECTROMETRY; GAS-PHASE; FOURIER-TRANSFORM MASS-SPECTROMETRY; ION MOBILITY SPECTROMETRY	30	37	6.7
468	MAGNETIC-PROPERTIES; CU%II< COMPLEXES; ORGANOMETALLIC COMPLEXES; HYDROXO COMPLEXES	30	50	3.3
574	PROTEINS; LARGER PROTEINS; NMR; C-13 MAGNETIZATION; 3-DIMENSIONAL HETERONUCLEAR NMR	29	10	17.2
118	SYNTHESIS; REACTIVITY; STRUCTURES; MECHANISTIC STUDY; CHIRAL ORGANOLANTHANIDES DESIGNED	28	36	7.1
858	POLYPYRROLE; MODIFIED ELECTRODES; POLYMER-MODIFIED ELECTRODES; ELECTRODES STUDY; POLYPYRROLE FILMS	28	14	7.1
254	TANNINS; RELATED POLYPHENOLS; SYNTHESIS; NAPHTHYLISOQUINOLINE ALKALOIDS; EFFECTS	28	29	3.6
1342	CAPILLARY ELECTROPHORESIS; USE; CAPILLARY ZONE ELECTROPHORESIS; CHIRAL SEPARATION; CHIRAL RESOLUTION	27	19	7.4
667	NEAR-FIELD SCANNING OPTICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPES; SCANNING ELECTROCHEMICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPY FABRICATED	27	44	3.7
529	COPPER%II< COMPLEXES; NICKEL%II< COMPLEXES; COPPER%II<; NICKEL%II<; PALLADIUM%II< COMPLEXES	27	37	3.7
1297	PROTEINS; CONTINUOUS BEDS; CAPILLARY ELECTROCHROMATOGRAPHY; SEPARATION MEDIA; MEMBRANE CHROMATOGRAPHY	27	33	3.7

Nr.	Forschungsfront	K	I	CH%
516	RADIONUCLIDE MIGRATION; COMPLEXATION; SOLUBILITY; ACTINIDE ENVIRONMENTAL CHEMISTRY; STUDY	27	19	3.7
67	ALPHA-AMINO-ACIDS; PHASE-TRANSFER CATALYSIS; STEREOSELECTIVE SYNTHESIS; ASYMMETRIC EPOXIDATION; ENANTIOSELECTIVE SYNTHESIS	26	62	11.5
1158	DETERMINATION; LIQUID-CHROMATOGRAPHY; WATER; SOLID-PHASE EXTRACTION; HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY	26	19	11.5
1362	EMULSIONS; SUSPENSIONS; ULTRASONIC CHARACTERIZATION; ULTRASOUND; PRINCIPLES	26	54	3.8
1194	SCANNING TUNNELING MICROSCOPY; GRAPHITE; TUNNELING MICROSCOPY; SCANNING-TUNNELING-MICROSCOPY; TUNNELLING MICROSCOPY	26	27	3.8
416	QUADRUPOLAR NUCLEI; HALF-INTEGER QUADRUPOLAR NUCLEI; MQMAS NMR; AL-27 MAS NMR; MULTIPLE-QUANTUM MAGIC-ANGLE-SPINNING NMR	25	36	4.0
136	ALCOHOLS; SCANDIUM TRIFLUOROMETHANESULFONATE; EXTREMELY ACTIVE ACYLATION CATALYST; WATER; ORGANIC-SYNTHESIS	24	54	4.2
599	GROWTH; SI%100<; AL; SI%100< SURFACE; SI%100< SURFACE GROWTH	24	38	4.2
571	CHEMICAL SENSORS; GAS SENSORS; SENSOR ARRAYS; SNO2-BASED GAS SENSORS; CHEMICAL SENSOR ARRAYS	24	29	4.2
1317	PROTEIN CRYSTAL-GROWTH; LYSOZYME; GEL ACUPUNCTURE METHOD; PROTEIN CRYSTALS; CRYSTALLIZATION	24	29	4.2
33	SURFACE; GRAFTED POLYMER LAYERS; POLYMER ADSORPTION; POLYMER BRUSHES; TETHERED POLYMER LAYERS	24	21	4.2
188	**ENANTIOSELECTIVE HYDROGENATION; ASYMMETRIC HYDROGENATION; SELECTIVE HYDROGENATION; HYDROGENATION; CINCHONA ALKALOIDS**	**23**	**39**	**26.1**
210	TEMPLATE SYNTHESIS; NANOWIRES; GIANT MAGNETORESISTANCE; PERPENDICULAR GIANT MAGNETORESISTANCE; MAGNETORESISTANCE	23	43	17.4
194	ABINITIO RELATIVISTIC EFFECTIVE POTENTIALS; ELECTRONIC-STRUCTURE; URANYL; AB-INITIO RELATIVISTIC EFFECTIVE POTENTIALS; CHEMICAL-PROPERTIES	23	26	13.0
833	SINGLE-MOLECULE SPECTROSCOPY; SINGLE MOLECULES; SINGLE IMPURITY MOLECULES; SOLIDS; SPECTROSCOPY	23	22	13.0
757	CHIRAL LITHIUM AMIDE; ASYMMETRIC-SYNTHESIS USING CHIRAL LITHIUM AMIDE BASES; NEW CHIRAL ROUTE; CHIRAL LITHIUM AMIDE BASE-MEDIATED REARRANGEMENT; CHIRAL LITHIUM AMIDE DEPROTONATIONS DUE	23	52	8.7
631	IONIC LIQUIDS; ROOM-TEMPERATURE IONIC LIQUIDS; ROOM-TEMPERATURE HALOGENOALUMINATE IONIC LIQUIDS; NEW IONIC LIQUIDS; ELECTRODEPOSITION	23	52	8.7
629	ALPHA-QUARTZ; PRESSURE-INDUCED AMORPHIZATION; AMORPHIZATION; ALPHA-QUARTZ AMORPHIZATION; CRYSTAL-STRUCTURES	23	35	8.7
336	IRON%II< COMPLEXES; THERMAL; IRON%II<; SPIN TRANSITIONS; LIGHT-INDUCED SPIN TRANSITION	22	23	9.1
1198	CAPILLARY ELECTROCHROMATOGRAPHY; ELECTROCHROMATOGRAPHY; CAPILLARY ELECTROCHROMATOGRAPHY ANALYSIS; PACKED CAPILLARIES; CAPILLARY ELECTROCHROMATOGRAPHY TECHNOLOGY	22	50	4.5
1547	ALDEHYDES; ALLYLSILANES; FACILE; DYNAMICS; SOLUTION	22	32	4.5
1139	HOMOGENEOUS CATALYSIS; AQUEOUS ORGANOMETALLIC CHEMISTRY; CATALYSIS; AQUEOUS CATALYSTS; HETEROGENEOUS CATALYSIS	22	32	4.5
904	PHOTOSYSTEM-II; MANGANESE; MANGANESE CLUSTER; PHOTOSYNTHETIC OXYGEN EVOLUTION; OXYGEN	22	32	4.5
30	THERMOLYSIS; CO-C BOND; METHYLMALONYL-COA MUTASE; ORGANOCOBALT COENZYME B-12 MODELS; METHIONINE SYNTHASE	21	33	4.8

Nr.	Forschungsfront	K	I	CH%
1177	**GAS ELECTRON MULTIPLIER %GEM<; MICRO-STRIP GAS-CHAMBERS; ELECTRON MULTIPLICATION; ELECTRON AMPLIFICATION; GAS DETECTORS**	**20**	**85**	**55.0**
1228	SURFACE-PLASMON RESONANCE; SURFACE-PLASMON RESONANCE SENSORS; WAVE-GUIDE SURFACE-PLASMON RESONANCE; SURFACE-PLASMON SENSORS; SURFACE-PLASMON RESONANCE WAVE-GUIDE SENSOR	20	35	15.0
700	ENANTIOSELECTIVE ADDITION; ALDEHYDES; DIALKYLZINCS; CATALYTIC ASYMMETRIC INDUCTION HIGHLY ENANTIOSELECTIVE ADDITION; ASYMMETRIC CATALYSIS	20	40	5.0
1985	SYNTHESIS; MESOPOROUS MOLECULAR-SIEVES; MESOPOROUS ALUMINA MOLECULAR-SIEVES; MESOPOROUS MOLECULAR-SIEVES PREPARED; MESOPOROUS NIOBIUM OXIDE MOLECULAR-SIEVES	20	40	5.0
65	COLLOIDAL SUSPENSIONS; CHARGED COLLOIDAL SUSPENSIONS; COLLOIDAL MACROIONS; CHARGED COLLOIDAL DISPERSIONS; LONG-RANGE COLLOIDAL INTERACTIONS	20	35	5.0
420	GEMINI SURFACTANTS; GEMINI %DIMERIC< SURFACTANTS; SPACER CHAIN-LENGTH; DIMERIC SURFACTANTS; GEMINI SURFACTANTS SYNTHESIS	20	35	5.0
542	HYDROGEN-BONDING; REVERSED-PHASE HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY; STUDY; USE; BRAIN PENETRATION	20	35	5.0
97	CALCULATION; DENSITY-FUNCTIONAL THEORY; NMR CHEMICAL-SHIFTS; NMR SHIELDING TENSORS USING GAUGE-INCLUDING ATOMIC ORBITALS; NMR SHIELDING CONSTANTS	20	30	5.0
1213	FREE-VOLUME; POSITRON-ANNIHILATION; POSITRON-ANNIHILATION LIFETIME DATA; ANALYSIS; FREE-VOLUME DISTRIBUTIONS	20	25	5.0
774	ZEOLITE-MODIFIED ELECTRODES; MODIFIED ELECTRODES; SILVER-ZEOLITE-MODIFIED ELECTRODES; GLASSY-CARBON ELECTRODES MODIFIED; CARBON-PASTE ELECTRODES MODIFIED	20	15	5.0
2137	**SECONDARY STRUCTURE; HELICAL SECONDARY STRUCTURE; NOVEL HELICAL SECONDARY STRUCTURE; HELICAL NMR-SOLUTION STRUCTURE; OLIGOMERS**	**19**	**89**	**47.4**
1089	**DIFFUSE INTERSTELLAR BANDS; CLUSTERS; SMALL CARBON CLUSTERS; DIFFUSE INTERSTELLAR BANDS EVIDENCE; DIFFUSE INTERSTELLAR BANDS %3800-8680-ANGSTROM<**	**19**	**47**	**21.1**
1599	**FUEL-CELLS; POLYMER ELECTROLYTES; WATER; POLYMER MEMBRANES; WATER-UPTAKE**	**19**	**11**	**21.1**
1088	SIMULATION; GIBBS ENSEMBLE; ALKANES; VAPOR-LIQUID PHASE-EQUILIBRIA; DIRECT DETERMINATION	19	21	10.5
624	ARTEMISININ; ANTIMALARIAL ENDOPEROXIDES; ARTEMISININ %QINGHAOSU<; ACTION; TOTAL SYNTHESIS	19	47	5.3
1799	MAGNETIZATION; HIGH-TEMPERATURE MOLECULAR MAGNETS BASED; MOLECULAR MAGNETS CONSTRUCTED; MOLECULAR MAGNETISM; PHOTOINDUCED MAGNETIZATION	19	47	5.3
354	POWDER DIFFRACTION DATA; CRYSTAL-STRUCTURE DETERMINATION; APPLICATIONS; ANALYSIS; POWDER DIFFRACTION	19	42	5.3
874	FORMATION; OZONE; SPECTROSCOPY; XENON; SOLID XE	19	37	5.3
557	RESOLUTION; EVOLVING FACTOR-ANALYSIS; RESOLUTION PROBLEM; UNIQUE RESOLUTION; MULTIVARIATE CURVE RESOLUTION	18	33	16.7
1257	ROTATING SOLIDS; NMR; ROTATIONAL RESONANCE; NMR APPLICATION; HOMONUCLEAR	18	11	11.1
1907	TANDEM REACTIONS; ORGANIC-SYNTHESIS; TANDEM RADICAL REACTIONS; RADICAL CYCLIZATION REACTIONS; DOMINO REACTIONS	18	56	5.6
1346	HIGH-FREQUENCY EPR; HIGH-FIELD EPR; PULSED 95-GHZ HIGH-FIELD EPR HETERODYNE SPECTROMETER; NOVEL HIGH-FIELD HIGH-FREQUENCY EPR; HIGH MAGNETIC-FIELD EPR SPECTROMETER	18	39	5.6
930	ACTIVATED CARBONS; CARBONS; SURFACE GROUPS; CARBON; EFFECT	18	17	5.6

Nr.	Forschungsfront	K	I	CH%
1640	COPPER; DEPOSITION; IN-SITU SCANNING-TUNNELING-MICROSCOPY; UNDERPOTENTIAL DEPOSITION	18	17	5.6
636	SYNTHESIS; INTERNAL ALKYNES; PALLADIUM-CATALYZED ADDITION; ALLENES; PALLADIUM-CATALYZED ANNULATION	18	17	5.6
2094	CHARACTERIZATION; COMBINATORIAL LIBRARIES; USE; HIGH-THROUGHPUT CHARACTERIZATION; HIGH-THROUGHPUT ELECTROSPRAY MASS-SPECTROMETRY	17	88	11.8
1341	2-DIMENSIONAL ELECTROPHORESIS; IMMOBILIZED PH GRADIENTS; TWO-DIMENSIONAL PROTEIN ELECTROPHORESIS; TWO-DIMENSIONAL ELECTROPHORESIS; DRY IMMOBILIZED PH GRADIENTS	17	59	11.8
890	BETA-AMINO ACIDS; IMINES; CHIRAL IMINES; ENANTIOSELECTIVE SYNTHESIS; ENANTIOSELECTIVE ADDITION	17	59	5.9
1969	**MAGNETIC-PROPERTIES; CRYSTAL-STRUCTURE; BIMETALLIC OXALATE-BRIDGED; BIMETALLIC 2-DIMENSIONAL OXALATE-BRIDGED NETWORKS; BIMETALLIC OXALATE-BRIDGED 2-DIMENSIONAL MAGNETS**	**16**	**31**	**31.3**
1256	RADIATION DAMPING; NMR; PROTEIN HYDRATION; LIQUID NMR; AQUEOUS-SOLUTION	16	19	12.5
168	AQUEOUS-MEDIA; AQUEOUS-MEDIA MEDIATED; ORGANOMETALLIC REACTIONS; ORGANIC-SYNTHESIS; INDIUM	16	44	6.3
1221	NANOFILTRATION MEMBRANES; NANOFILTRATION; MICROPOROUS NANOFILTRATION MEMBRANES; CHARACTERIZATION; NANOFILTRATION EXTENDS	16	31	6.3
381	FLOTATION; PARTICLES; PARTICLE ATTACHMENT; MINERAL FLOTATION; FLOTATION SIZE BUBBLES	16	25	6.3
356	CHLORSULFURON; SOIL; SULFONYLUREA HERBICIDES; DEGRADATION; METSULFURON-METHYL	16	12	6.3
754	CLOSURE APPROXIMATIONS; SHEARING FLOWS; DIRECTOR TUMBLING; LIQUID-CRYSTALLINE POLYMERS; LIQUID-CRYSTAL POLYMERS	16	0	6.3
1739	**WASTE-WATER TREATMENT; ELECTROCATALYSIS; ANODIC-OXIDATION; PHENOL; ELECTROCHEMICAL OXIDATION**	**15**	**20**	**60.0**
1017	LASER ABLATION INDUCTIVELY COUPLED PLASMA MASS-SPECTROMETRY; LASER-ABLATION INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY; LASER-ABLATION INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY MICROANALYSIS; INDUCTIVELY COUPLED PLASMA MASS-SP	15	33	20.0
1455	ELECTRODEPOSITION; NICKEL-IRON; LITHOGRAPHIC PATTERNING; ANOMALOUS ELECTRODEPOSITION; ELECTRODEPOSITION EXPERIMENTAL-STUDY	15	33	13.3
824	FE3O4; OXYGEN-PLASMA-ASSISTED MOLECULAR-BEAM EPITAXY; CHARACTERIZATION; PREPARATION; FE3O4 FILMS	15	53	6.7
533	PREDICTION; CORRELATION; QUANTITATIVE PREDICTION; NORMAL BOILING POINTS; MOLECULAR GRAPHS	15	33	6.7
880	PREPARATION; RHENIUM; PROTEINS; CHEMISTRY; TC-99M RADIOPHARMACEUTICALS	15	27	6.7
221	WATER; AEROSOL OT REVERSE MICELLAR AGGREGATES; FTIR SPECTROSCOPY; FT-IR SPECTROSCOPY; STRUCTURE	15	0	6.7
1767	ORGANOSILICON POLYMERS; SYNTHESIS; POLYMERIC ORGANOSILICON SYSTEMS SYNTHESIS; ORGANOSILICON CHEMISTRY	14	50	7.1
1226	HYDRATION; AQUEOUS-SOLUTION; WATER EXCHANGE; GAS-PHASE ION CHEMISTRY; FIRST	14	43	7.1
421	REBECCAMYCIN; SYNTHESIS; ANTITUMOR; ANTITUMOR AGENTS; NEW ANTITUMOR ANTIBIOTIC	14	21	7.1
1370	STEADY-STATE VOLTAMMETRY; WITHOUT SUPPORTING ELECTROLYTE; MICROELECTRODES; VOLTAMMETRY; WEAK ACIDS	14	14	7.1
42	STEREOCHEMICAL CONTROL; REDUCTION; MICROBIAL REDUCTION; BETA-KETO-ESTERS; BAKERS-YEAST	14	7	7.1

Nr.	Forschungsfront	K	I	CH%
1851	**CARBON-MONOXIDE; OLEFINS; COPOLYMERIZATION; METAL-CATALYZED ALTERNATING COPOLYMERIZATION; LIVING ALTERNATING COPOLYMERIZATION**	**13**	**38**	**23.1**
1075	PHOTOCATALYTIC DEGRADATION; PHOTODEGRADATION; DYES; SYNTHESIS; TIO2 PARTICLES	13	38	15.4
2084	SYNTHESIS; PORPHYRIN LIGHT-HARVESTING ARRAYS; MULTI-PORPHYRIN ARRAYS; ELECTRONIC COMMUNICATION; MULTI-PORPHYRIN LIGHT-HARVESTING ARRAYS	13	38	15.4
765	VIRGIN OLIVE OIL; OLIVE OIL; SIMPLE; HYDROLYZABLE PHENOLIC-COMPOUNDS; PHENOLIC-COMPOUNDS	13	15	15.4
921	THEORETICAL-STUDY; ENERGY-ADJUSTED ABINITIO PSEUDOPOTENTIALS; BONDING; AB-INITIO ENERGY-ADJUSTED PSEUDOPOTENTIALS; STRUCTURE	13	46	7.7
1159	ELECTROPHILIC FLUORINATING AGENTS; ELECTROPHILIC FLUORINATION; SYNTHESIS; ELECTROPHILIC FLUORINATIONS; ELECTROPHILIC NF FLUORINATING AGENTS	13	38	7.7
1946	MOLECULAR RECOGNITION; RECOGNITION; FLUORESCENT MOLECULAR SENSOR; STEROIDS; MOLECULAR ENGINEERING	13	31	7.7
317	NI CLUSTERS; INCOMPLETE CUBANE-TYPE CLUSTERS; SYNTHESES; MOLECULAR CLUSTERS ACCESS; MOLECULAR HEXANUCLEAR CLUSTERS	13	23	7.7
1120	ASYMMETRIC HYDROGENATION; HIGHLY ENANTIOSELECTIVE HYDROGENATION; ENANTIOSELECTIVE HYDROGENATION REACTIONS; PRACTICAL ASYMMETRIC HYDROGENATION; HIGHLY ENANTIOSELECTIVE HYDROGENATION REACTIONS	13	15	7.7
1255	**COMPARISON; METAL-ION COORDINATING PROPERTIES; 5$-MONOPHOSPHATE; METAL-IONS; PROPERTIES**	**12**	**25**	**66.7**
1476	**POLYETHYLENE; DEGRADATION; POLYOLEFINS; THERMOOXIDATIVE DEGRADATION; THERMAL-OXIDATION**	**12**	**17**	**41.7**
1723	**CONJUGATED POLYMERS; PHOTOLUMINESCENT MATERIALS; FLUORESCENT POROUS POLYMER-FILMS; RIGID-ROD CONJUGATED POLYMERS; NEW RIGID BACKBONE CONJUGATED ORGANIC POLYMERS**	**12**	**58**	**25.0**
1209	ASYMMETRIC-SYNTHESIS; HOMOCHIRAL COMPLEXES; TRICARBONYL%ETA%6<-ARENE<-CHROMIUM COMPLEXES; CHIRAL @ETA%6<-ARENE-CR%CO<%3<* COMPLEXES; TRICARBONYLCHROMIUM COMPLEXES	12	42	16.7
619	PREPARATION; ENANTIOSELECTIVE ADDITION; ALDEHYDES; ORGANOZINC REAGENTS; FUNCTIONALIZED DIALKYLZINC REAGENTS VIA	12	17	16.7
1019	WATER WATER POTENTIAL; LIQUID WATER; POLARIZABLE WATER; WATER WATER INTERACTION POTENTIALS; LIQUID WATER USING	12	8	16.7
949	THIN; HIGH-ENERGY BEAM; HIGH-ENERGY; HADRON-INDUCED SPALLATION REACTIONS; DEUTRON-INDUCED SPALLATION REACTIONS	12	33	8.3
635	HYDRODESULFURIZATION; HYDRODESULFURIZATION ACTIVITY; HYDRODESULFURIZATION REACTIVITIES; LIGHT OIL HYDRODESULFURIZATION; CO-MO HYDRODESULFURIZATION CATALYSTS	12	17	8.3
289	MOLECULAR MECHANICS CALCULATIONS; MOLECULAR MECHANICS MODELING; MOLECULAR MECHANICS; COMPLEXATION RATES; ALKALI-METAL CATION COMPLEXES	12	17	8.3
658	NEW METHOD; NEW APPROACH; NEW ATOM-ADDITIVE METHOD; MOLECULAR LIPOPHILICITY; MOLECULAR LIPOPHILICITY POTENTIAL	12	17	8.3
1012	**SELF-ASSEMBLY; HELICAL COMPLEXES; SELF-ASSEMBLY STRUCTURE; MONONUCLEAR COMPLEXES; HELICATES**	**11**	**45**	**36.4**
1452	**SIMULATED MOVING-BED CHROMATOGRAPHY; SIMULATED MOVING-BED; SEPARATION; LABORATORY-DEVELOPED SIMULATED MOVING-BED; SIMULATED MOVING-BED UNITS**	**11**	**73**	**27.3**

Nr.	Forschungsfront	K	I	CH%
802	POLYNUCLEAR COMPLEXES; ARYL-SUBSTITUTED BIPYRIDYL COMPLEXES; OSMIUM%II< BIS%TERPYRIDINE< COMPLEXES; REDOX-ACTIVE POLYNUCLEAR TRANSITION-METAL COMPLEXES; RU%II< POLYPYRIDINE COMPLEXES PHOTOPHYSICS PHOTOCHEMISTRY ELECTROCHEMISTRY	11	45	9.1
1675	STRUCTURE; CRYSTAL-STRUCTURE; DUPLEX DNA; DNA DUPLEX CONTAINING; CISPLATIN	11	45	9.1
1681	SYNTHESIS; HETEROMETALLIC ALKOXIDES; CHEMICAL SYNTHESIS; CHEMICAL ROUTES; SYNTHESIS STRUCTURAL PRINCIPLES	11	36	9.1
769	ANALYSIS; POSITIVE MATRIX FACTORIZATION; FACTOR-ANALYSIS; ROBUST NONNEGATIVE FACTOR-ANALYSIS; LEAST-SQUARES FORMULATION	11	27	9.1
684	SYNTHESIS; OXIDATIVE ADDITION; PALLADIUM; THEORETICAL-STUDIES	11	18	9.1
353	BROMATE; DRINKING-WATER; ION CHROMATOGRAPHY; DETERMINATION; DRINKING WATERS	10	50	20.0
1524	ORGANIC-SYNTHESIS; CHIRAL SELENIUM-COMPOUNDS; INTRAMOLECULAR COORDINATION; INTRAMOLECULAR N-*TE COORDINATION; CHIRAL SELENIUM-COMPOUNDS VERSATILE REAGENTS	10	50	20.0
1520	LOCALIZED ADSORPTION; PARTICLES; ADSORPTION PROCESSES; RANDOM SEQUENTIAL ADSORPTION; COOPERATIVE SEQUENTIAL ADSORPTION	10	0	20.0
1782	ANALYSIS; RAPID ANALYSIS; SELECTED-ION MONITORING; MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY; SOLID-PHASE MICROEXTRACTION	10	90	10.0
1910	SYNTHESIS PHYSICOCHEMICAL PROPERTIES; EVALUATION; BIOLOGICAL EVALUATION; INITIAL EVALUATION; HIGH-YIELD SYNTHESIS	10	70	10.0
2079	ASYMMETRIC-SYNTHESIS; FERROCENES; PLANAR CHIRALITY; GENERAL ASYMMETRIC-SYNTHESIS; EFFICIENT ASYMMETRIC-SYNTHESIS	10	60	10.0
1441	NEUTRAL ANALYTES; ONLINE CONCENTRATION; HIGH-PERFORMANCE CAPILLARY ELECTROPHORESIS; CHROMATOGRAPHY; REVERSE MIGRATING MICELLES	9	56	11.1
2123	DERIVATION; FORCE-FIELD; ALKANE MOLECULES; ALKYL FUNCTIONAL-GROUP; CLASS-II FORCE-FIELD CFF93	9	44	11.1
867	DETERMINATION; LIQUID MEMBRANE; SAMPLE PREPARATION; SUPPORTED LIQUID MEMBRANE; SUPPORTED LIQUID MEMBRANE TECHNIQUES	9	33	11.1
1708	MOLECULAR QUANTUM SIMILARITY; MOLECULAR SIMILARITY CALCULATIONS; MOLECULAR SIMILARITY-MATRICES; APPLICATION; STRUCTURE-ACTIVITY-RELATIONSHIPS	9	22	11.1
1349	ELECTROCHEMICAL PROMOTION; NON-FARADAIC ELECTROCHEMICAL MODIFICATION; CATALYTIC ACTIVITY; ELECTROCHEMICAL MODIFICATION; ORIGIN	9	0	11.1
919	**IN-SITU MEASUREMENTS; MERCURY-PLATED IRIDIUM-BASED MICROELECTRODE ARRAYS; IRIDIUM-BASED MERCURY-FILM ELECTRODE SELECTION; IRIDIUM-BASED ULTRAMICROELECTRODE ARRAY FABRICATED; IN-SITU SCREENING**	**8**	**50**	**50.0**
2083	**PBWO4 SINGLE-CRYSTALS; SCINTILLATION; PBWO4 CRYSTALS; SCINTILLATION CHARACTERISTICS; SCINTILLATION DECAYS**	**8**	**75**	**37.5**
1663	**CHARACTERIZATION; CHEMISTRY; COORDINATION CHEMISTRY; ORGANOMETALLIC CHEMISTRY; MAIN-GROUP METAL CHEMISTRY**	**8**	**62**	**25.0**
1928	**TIME-OF-FLIGHT MASS-SPECTROMETRY; LASER DESORPTION/IONIZATION MASS-SPECTROMETRY; MATRIX-ASSISTED LASER-DESORPTION IONIZATION MASS-SPECTROMETRY; MATRIX-ASSISTED LASER DESORPTION TIME-OF-FLIGHT MASS-SPECTROMETRY; MATRIX-ASSISTED LASE**	**8**	**12**	**25.0**

Nr.	Forschungsfront	K	I	CH%
1921	ENONES; ENANTIOSELECTIVE CONJUGATE ADDITION; ASYMMETRIC CONJUGATE ADDITION; ENANTIOSELECTIVE COPPER-CATALYZED 1,4-ADDITION; HIGHLY ENANTIOSELECTIVE CATALYTIC CONJUGATE ADDITION	8	62	12.5
115	1,3-DIPOLAR CYCLOADDITIONS; NITRONE CYCLOADDITIONS; CHEMISTRY; THIONES	8	38	12.5
1242	DESIGN; NONPEPTIDE FIBRINOGEN RECEPTOR ANTAGONISTS DISCOVERY; LOW-MOLECULAR-WEIGHT NONPEPTIDE FIBRINOGEN RECEPTOR ANTAGONISTS; PEPTIDOMIMETICS; DISCOVERY	8	38	12.5
501	ANALYSIS; NA-23 DOUBLE-QUANTUM-FILTERED NMR; NEW PROBE; NA-23; DOUBLE-QUANTUM-FILTERED NMR-SPECTRA	8	25	12.5
1461	CHEMICAL; FREE-ENERGY CALCULATIONS; FREE-ENERGY CALCULATIONS APPLICATIONS; FREE-ENERGY CALCULATIONS BASED; FREE-ENERGY VIA MOLECULAR SIMULATION APPLICATIONS	8	25	12.5
1410	LIQUID-CHROMATOGRAPHY; PULSED ELECTROCHEMICAL DETECTION; UNDERIVATIZED AMINO-ACIDS; PULSED AMPEROMETRIC DETECTION; PULSED COULOMETRIC DETECTION	8	25	12.5
436	ANIONIC-POLYMERIZATION; LIVING ANIONIC-POLYMERIZATION; LIVING POLYMERIZATION; GROUP TRANSFER POLYMERIZATION POLYMERIZATION; GIVE LIVING POLYMERS	8	12	12.5
222	ELECTRON-SPIN POLARIZATION; CHEMICALLY-INDUCED ELECTRON POLARIZATION %CIDEP<; SPIN POLARIZATION GENERATED; RADICAL TRIPLET PAIR MECHANISM %RTPM<; NOVEL RADICAL-TRIPLET PAIR MECHANISM	8	12	12.5
603	ENERGY-TRANSFER; DIRECT ENERGY-TRANSFER; NONRADIATIVE ENERGY-TRANSFER; MICRODISPERSE SYSTEMS; TIME-RESOLVED OBSERVABLES	8	12	12.5
1634	GOLD; GOLD ELECTRODES; ORGANIZED THIOL MONOLAYERS; KINETICS; GOLD ELECTROACTIVE SELF-ASSEMBLED MONOLAYERS	8	0	12.5
2154	SILICON; SILICON DETECTORS; SILICON DETECTORS IRRADIATED; RT SILICON DETECTORS; SILICON PIN DETECTORS	7	29	57.1
1758	ASSISTED ION TRANSFER; MICRO-ITIES; ION; INVESTIGATION; KINETICS	7	14	57.1
1701	OLIGONUCLEOTIDES; ANTISENSE OLIGONUCLEOTIDES; PENTAFLUOROPHENYL TRIFLUOROACETATE; PENTAFLUOROPHENYL ESTERS; STRUCTURAL MODIFICATIONS TOWARD IMPROVED ANTISENSE OLIGONUCLEOTIDES	7	43	42.9
2324	FLUNITRAZEPAM; GC-MS; IDENTIFICATION; URINARY BENZODIAZEPINES COMPARISON; FLUNITRAZEPAM %ROHYPNOL<	7	100	14.3
1398	INCORPORATION; ENZYMATIC INCORPORATION; ITS INCORPORATION; PARALLEL-STRANDED DNA HOMODUPLEX; EFFICIENT SYNTHESIS	7	29	14.3
1008	OXIDATION; POLYPROPYLENE; CHEMILUMINESCENCE; POLYPROPYLENE STEREOREGULARITY; POLYPROPYLENE CORRELATION	7	29	14.3
1827	STRUCTURAL; HIGHLY POTENT; CYCLIC RGD PEPTIDES; STRUCTURAL STUDIES; CONFORMATION ACTIVITY STUDIES	7	29	14.3
1091	APPLICATIONS; TIME-RESOLVED FLUORESCENCE; TIME-RESOLVED FLUOROMETRIC APPLICATIONS; LUMINESCENT PROBES; LANTHANIDE PROBES	7	14	14.3
1160	EXCITATION SCULPTING; NMR ROTATING-FRAME CROSS-RELAXATION SPECTROSCOPY; ONE-DIMENSIONAL NOE EXPERIMENTS USING PULSED-FIELD GRADIENTS; NMR-SPECTRA EXCITATION SCULPTING USING BIRD PULSES; PULSED-FIELD GRADIENTS	7	14	14.3
1434	FREE-RADICAL REACTIONS; INTERMOLECULAR FREE-RADICAL REACTIONS; SOME REACTIONS; COBALT-MEDIATED RADICAL REACTIONS; FREE-RADICAL REACTIONS FACILE ROUTES	7	14	14.3
52	GEOMETRY OPTIMIZATION; NATURAL INTERNAL COORDINATES; DELOCALIZED INTERNAL COORDINATES; REDUNDANT INTERNAL COORDINATES; ALGORITHM	7	14	14.3

Nr.	Forschungsfront	K	I	CH%
887	MULTIPLE-SCATTERING; MULTIPLE LIGHT-SCATTERING; FIBEROPTIC QUASI-ELASTIC LIGHT-SCATTERING; CROSS-CORRELATION METHODS; 2-COLOR DYNAMIC LIGHT-SCATTERING	7	14	14.3
1004	OBSERVATION; PARA-HYDROGEN; CHLOROCARBONYL-BIS%TRIPHENYLPHOSPHINE<RHODIUM%I< USING PARAHYDROGEN-INDUCED POLARIZATION; PARA-HYDROGEN INDUCED POLARIZATION; WILKINSONS CATALYST RHCL%PPH%3<<%3< USING PARAHYDROGEN-INDUCED POLARIZATION	7	14	14.3
1802	POSSIBLE CRYSTAL-STRUCTURES; ORGANIC-CRYSTALS; EMPIRICAL HYDROGEN-BOND POTENTIALS; EMPIRICAL INTERMOLECULAR PO-TENTIALS; ARE CRYSTAL-STRUCTURES PREDICTABLE	7	14	14.3
1729	SUBSURFACE OXYGEN; CO; SUBSURFACE STATE; SPIRAL WAVES; REACTION-DIFFUSION PATTERNS	7	14	14.3
1150	CATION RADICAL CYCLO-ADDITIONS; CATION RADICAL PERICYCLIC-REACTIONS; RADICAL CATIONS; RADICAL IONS; %C2H4<2.+ COMPLEX CATION	6	50	50.0
1750	E.COSY-TYPE MEASUREMENT; HETERONUCLEAR COUPLING-CONSTANTS; %1<J%XH<-RESOLVED E.COSY-TYPE MEASUREMENT; SPIN-STATE-SELECTIVE EXCITATION APPLICATION; PROTEINS	6	83	33.3
669	IN-SITU FOURIER-TRANSFORM INFRARED MEASUREMENTS; IN-SITU FOURIER-TRANSFORM INFRARED SPECTROSCOPIC EVIDENCE; SURFA-CE; IN-SITU INFRARED-SPECTROSCOPY; GOETHITE	6	33	33.3
899	ESEEM STUDY; ORIENTATIONALLY-SELECTED 2-DIMENSIONAL ESEEM SPECTROSCOPY; N-14 ESEEM PATTERNS; PULSED ELECTRON-SPIN-RESONANCE SPECTROSCOPY BASIC PRINCIPLES TECHNIQUES; HYPER-FINE SUBLEVEL CORRELATION %HYSCORE< SPECTROSCOPY	6	17	33.3
2167	ANTIOXIDANT ACTIVITY; OIL-IN-WATER EMULSIONS; ALPHA-TOCOPHEROL; TROLOX; BULK OILS	6	67	16.7
569	N-PROPARGYL-BENZOTRIAZOLE REACTIONS; LEWIS-ACID COMPLE-XATION; STEREOSELECTIVE REACTIONS; AZIRIDINE LITHIATION U-SING LEWIS-ACID ACTIVATION; TERTIARY-AMINES	6	67	16.7
1986	SYNTHESIS; STEREOSELECTIVE C-GLYCOSIDE SYNTHESIS; RECENT ADVANCES; RECENT DEVELOPMENTS; C-DISACCHARIDES STEREOSE-LECTIVE APPROACH	6	67	16.7
2037	AB-INITIO CALCULATIONS; HELIUM; BENCHMARK CALCULATIONS; HELIUM DIMER POTENTIAL; ACCURATE AB-INITIO INTERMOLECULAR POTENTIALS	6	33	16.7
1659	CLUSTERS; IONIZED CLUSTERS; IONIZED NIOBIUM CLUSTERS; CLUSTER ASSEMBLED MATERIALS; SEMIMETAL CLUSTER IONS	6	33	16.7
846	SYNTHESIS; ALPHA-AMINO-ACIDS; STEREOSELECTIVE SYNTHESIS; ASYMMETRIC ELECTROPHILIC AMINATION SYNTHESIS; FINE CHEMI-CAL SYNTHESIS PART-6 EFFICIENT CHEMOENZYMATIC SYNTHESIS	6	33	16.7
93	CHARACTERIZATION; ELECTROCHEMICAL INSERTION; LI& INSERTI-ON; LI1+XV3O8 INSERTION ELECTRODES; LI/LI1+XV3O8 SECONDARY BATTERIES SYNTHESIS	6	17	16.7
840	FUNCTION; REVERSED-PHASE LIQUID-CHROMATOGRAPHY; TEMPE-RATURE; RETENTION; SEPARATION	6	17	16.7
583	HYDROTHERMAL SYNTHESIS; HYDROTHERMAL SYNTHESIS STRUC-TURE; STRUCTURE; BICAPPED REDUCED KEGGIN SPECIES; BIVANA-DYL CAPPED HIGHLY REDUCED KEGGIN POLYANION @PMO%V<%6<MO%VI<%6<O%40<%V%IV<O<%2<*%5-<	6	17	16.7
671	PHASE-STRUCTURE; HIGH-PRESSURE-CRYSTALLIZED POLYETHYLENE; POLYETHYLENE DETECTED; C-13 NMR INVESTIGATION; LAMELLAR CRYSTALLINE POLYETHYLENE	6	17	16.7
925	SONOCHEMISTRY; MODELING; HETEROGENEOUS SONOCHEMISTRY; ULTRASOUND; BATCH SONOCHEMICAL REACTOR	6	17	16.7
1278	MEMBRANE FOULING USING; DIAGNOSIS; AXIALLY ROTATING FIL-TER; ROTATING ANNULAR FILTER CELL-CULTURE MEDIA; PORE-SIZE	6	0	16.7
617	STRUCTURE; SYNTHESIS; TRANSITION-METAL CLUSTERS; TRIPLATI-NUM CLUSTERS MODELS	6	0	16.7

Nr.	Forschungsfront	K	I	CH%
2209	PRODUCTION; NUCLIDE PRODUCTION; ELEMENTS; ENERGY-RANGE; PROTON-INDUCED REACTIONS	5	60	60.0
1191	HIGH-TEMPERATURE LIQUID-CHROMATOGRAPHY; HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY; HIGH-TEMPERATURE OPEN-TUBULAR COLUMN LIQUID-CHROMATOGRAPHY; HIGH-TEMPERATURE OPEN-TUBULAR CAPILLARY COLUMN LIQUID-CHROMATOGRAPHY; COLUMN-SWITCHING DETE	5	20	40.0
1822	VARIOUS SCALES; MIXING; PRECIPITATION; INTERACTIONS BETWEEN MIXING; MICROMIXING EFFECTS	5	20	40.0
644	BIPHENYL SERIES SYNTHESIS; SYNTHESIS; PRACTICAL SYNTHESIS; ANALOGS; ANALOGS VIA	5	0	40.0
2264	FIBEROPTIC DNA SENSOR; FIBEROPTIC EVANESCENT-WAVE BIOSENSOR; SYNTHETIC DNA; AMPEROMETRIC GLUCOSE BIOSENSOR; TAPERED OPTICAL-FIBER SENSOR USING NEAR-INFRARED FLUOROPHORES	5	80	20.0
1728	INTERMOLECULAR VIBRATIONS; VIBRATIONS; INTERMOLECULAR BONDING; STRUCTURE; S-1@-S-0 TRANSITION-MOMENT ORIENTATION SOLVENT REORGANIZATION	5	60	20.0
1289	NUCLEAR-MAGNETIC-RESONANCE; SPIN-DIFFUSION; NUCLEAR-MAGNETIC-RESONANCE APPLICATIONS; QUENCHING SPIN-DIFFUSION; TRANSIENT OVERHAUSER EFFECTS	5	20	20.0
1048	SYNTHESIS; DIFFERENTIALLY PROTECTED BETA-HYDROXY-ALPHA-AMINO ALDEHYDES; CHIRAL OXAZOLIDINE ALDEHYDES; DIFFERENTIALLY PROTECTED ALPHA-AMINO ALDEHYDES APPLICATIONS TOWARD; SPHINGOSINES	5	20	20.0
1002	SYNTHESIS; METHANOL; METHANOL SYNTHESIS; CATALYSTS; COPPER ZIRCONIA CATALYSTS	5	20	20.0
347	D-AMINO; D-AMINO ACIDS; DIETARY D-AMINO ACIDS; CHROMATOGRAPHIC DETERMINATION; LIQUID-CHROMATOGRAPHIC DETERMINATION	5	0	20.0
873	DESIGN; SYNTHESIS; SELECTIVE OPIOID RECEPTOR ANTAGONISTS; RECEPTOR-TYPE-SELECTIVE NONPEPTIDE ANTAGONISTS; PEPTIDOMIMETIC DELTA-OPIOID RECEPTOR ANTAGONISTS USING	5	0	20.0
639	HYDROGEN MOLECULE; H-2 MOLECULE MATRIX-ELEMENTS; GROUND-STATE; B; ADIABATIC POTENTIAL-ENERGY CURVES	5	0	20.0
151	KINETICS; STRUCTURE; HEMATITE AGGREGATION; HEMATITE AGGREGATES; FRACTAL STRUCTURE	5	0	20.0
177	TETRAHYDROFURAN; CARBON LITHIUM BONDING; PHENYLLITHIUM CARBON LITHIUM COUPLING-CONSTANTS; SOLUTION STRUCTURE; DIPHENYLACETYLENE STRUCTURE ELUCIDATION	5	0	20.0
2044	ISOLDE LASER ION-SOURCE; CHEMICALLY SELECTIVE LASER ION-SOURCE; REX-ISOLDE PROJECT; RECENT DEVELOPMENTS; MAGNETICALLY POLARIZED PD	4	75	100.0
1788	MICROSTRIP READOUT DESIGN; CMOS LOW-NOISE AMPLIFIER; SI-STRIP DETECTOR READOUT; RAD-HARD BICMOS ANALOG READOUT ASIC; CMOS LOW-NOISE MONOLITHIC 128 CHANNEL FRONTEND	4	50	100.0
164	EQUILIBRIUM-CONSTANTS; CALCULATION; MULTIWAVELENGTH SPECTROSCOPIC DATA MATHEMATICAL CONSIDERATIONS; MULTIVARIATE ABSORPTION DATA; MULTIWAVELENGTH SPECTROSCOPIC DATA SPECFIT 2 USER-FRIENDLY PROGRAMS	4	25	100.0
2344	HERA; H1 EXPERIMENT; H1 DETECTOR; H1 LEAD/SCINTILLATING-FIBER CALORIMETER; TRACKING CALORIMETER	4	100	75.0
1837	ISOLTRAP; PENNING TRAP; SHORT-LIVED ISOTOPES; ISOLTRAP MASS-SPECTROMETER; TANDEM PENNING TRAP SYSTEM	4	50	75.0
2074	LANTHANIDE NITRATE COMPLEXES; LANTHANIDE DINUCLEAR COMPLEXES; LUMINESCENT PROPERTIES; COMPLEXED LUMINESCENT LANTHANIDE IONS; PHOTOPHYSICAL PROPERTIES	4	50	50.0
847	MANZAMINE-A; SPONGE; MANZAMINE ALKALOIDS SYNTHESES; MANZAMINE-C 2 NOVEL ALKALOIDS; NOVEL ANTITUMOR ALKALOID	4	50	50.0

Nr.	Forschungsfront	K	I	CH%
1609	CALCIUM-SELECTIVE OPTODE MEMBRANE BASED; NEUTRAL IONOPHORE; NEUTRAL IONOPHORES; MINIATURE SODIUM-SELECTIVE ION-EXCHANGE OPTODE; FIBEROPTIC POTASSIUM-ION SENSORS BASED	4	25	50.0
1954	MEASUREMENT MODELS; APPLICATION; ERROR STRUCTURE; IMPEDANCE SPECTROSCOPY EVALUATION; IMPEDANCE SPECTROSCOPY DETERMINATION	4	25	50.0
1642	COST; MODELING METALLOPROTEINS; ENTROPIC COST; PSEUDORECEPTOR MODELING; MOLECULAR ASSOCIATIONS	4	0	50.0
1909	MOLECULAR-DYNAMICS SIMULATION; POLYMERS; SMALL MOLECULES; SMALL MOLECULES ACROSS; HYDROCARBON POLYMERS	4	0	50.0
2387	1,3-DICARBONYL COMPOUNDS; MICHAEL REACTION; ASYMMETRIC CATALYSIS; TRANSITION-METAL CATALYSIS; DIASTEREOSELECTIVE IRON%III<-CATALYZED MICHAEL REACTIONS	4	100	25.0
2224	POLYELECTROLYTE COMPLEX-FORMATION; PANCREATIC-ISLETS; MICROCAPSULES MICROSPHERES RELATED; IMMUNOISOLATION; IMMOBILIZATION	4	75	25.0
1575	AMPEROMETRIC MONITORING; AMPEROMETRIC SENSOR; ETHYLENE; AMPEROMETRIC SENSOR UTILIZING; MONITORING ETHYLENE	4	50	25.0
1369	BREAKDOWN CHARACTERISTICS; BREAKDOWN PROTECTION; SEMICONDUCTOR PIXEL DETECTOR READOUT CHIP; SELECTED EVENTS; RADIATION EFFECTS	4	50	25.0
1155	CATHODIC POLARIZATION PHENOMENA; PEROVSKITE OXIDE ELECTRODES; LA0.9SR0.1MNO3/YSZ ELECTRODES; CURRENT COLLECTORS CATHODIC POLARIZATION; SOLID OXIDE FUEL-CELL CATHODES	4	50	25.0
2128	REDOX SUPERCAPACITORS; POLYMER-BASED REDOX SUPERCAPACITORS; ELECTROCHEMICAL CAPACITORS; CONDUCTING POLYMERS; ELECTROCHEMICAL PROPERTIES	4	50	25.0
2277	SYNTHESIS; SELECTIVE CATALYTIC SYNTHESIS; ZEOLITE HSZ-360 PHOSGENE-FREE SYNTHESIS; TRENDS; SYMMETRICAL DIPHENYLUREAS	4	50	25.0
1711	1 1 ELECTROLYTE; IONIC EXCHANGE; PROBE BEAM DEFLECTION STUDIES; IONIC EXCHANGES BETWEEN POLYPHENYLENE FILMS; CONVOLUTION IN-SITU OPTICAL BEAM DEFLECTION STUDY	4	25	25.0
632	AMINO-ACIDS; DIMETHYLAMINOAZOBENZENE THIOHYDANTOIN AMINO-ACID DERIVATIVES; AMINO-ACID ANALYSIS; DIMETHYLAMINOAZOBENZENE SULFONYLAMINOAZOBENZENE; AMINO-ACIDS AFTER GAS-PHASE HYDROLYSIS	4	25	25.0
1387	AMINO-ACIDS; ION-EXCHANGE; EQUILIBRIUM SORPTION; CROSS-LINKING EQUILIBRIUM; CATION-EXCHANGE RESIN	4	25	25.0
2174	DENSITY-FUNCTIONAL STUDY; ETHYLENE; ETHYLENE POLYMERIZATION; HOMOGENEOUS ETHYLENE POLYMERIZATION; DYNAMICAL DENSITY-FUNCTIONAL STUDY	4	25	25.0
623	PROTON-TRANSFER; DOUBLE PROTON-TRANSFER; BENZOIC-ACID CRYSTALS; HYDROGEN-BOND DYNAMICS; INELASTIC NEUTRON-SCATTERING SPECTRA	4	25	25.0
872	APPLICATION; BILINEAR OPERATORS APPLICATION; SPIN DECOUPLING; PROTON-DETECTED HETERO-TOCSY EXPERIMENTS; P-31	4	0	25.0
249	BIS%PLATINUM< COMPLEXES; FERRICENIUM COMPLEXES; METALLOCENE-CONTAINING PLATINUM COMPLEXES; SYNTHESIS	4	0	25.0
870	CHIRAL AUXILIARIES; CHIRAL CATALYSTS; CHIRAL ORGANOALUMINUM REAGENT; ASYMMETRIC HETERO-DIELS-ALDER REACTION CATALYZED; ASYMMETRIC HETERO-DIELS-ALDER REACTIONS CATALYZED	4	0	25.0
1236	CLUSTERS; REACTIONS; FINITE-SIZED CLUSTERS; 1-NAPHTHOL AMMONIA CLUSTERS; REACTIONS ACID-BASE REACTIONS	4	0	25.0
1428	MICROEMULSIONS; OPTICAL; MICROEMULSIONS OPTICAL MATCHING; POLYDISPERSITY; COATED SILICA SPHERES	4	0	25.0

Nr.	Forschungsfront	K	I	CH%
72	NEW AB-INITIO POTENTIAL-ENERGY SURFACE; AB-INITIO POTENTIAL-ENERGY SURFACES; LAMBDA-DOUBLET LEVELS; QUANTUM TREATMENT; QUANTUM SCATTERING STUDIES	4	0	25.0
1988	SINGLE-ATOM TIPS; SIMULATION; SCANNING TUNNELING MICROSCOPE; POLYMER FIBERS; POINT-SOURCE ELECTRON-MICROSCOPE	4	0	25.0
1332	TROGER BASE; TROGER BASE APPLICATION; TROGER BASE ANALOGS DERIVED; CHIRAL NITROGEN-COMPOUNDS; CHIRAL SOLVATING AGENT	4	0	25.0
2393	LITHIUM-ION CELLS; INSERTION ELECTRODE MATERIALS; IN-SITU INVESTIGATION; GRAPHITES; GRAPHITE-ELECTRODES	3	100	100.0
2042	ADDITION; ABSOLUTE RATE CONSTANTS; ALKENES; RATE CONSTANTS; METHYL RADICAL	3	67	100.0
2091	LANTHANIDE DINUCLEAR TRIPLE-HELICAL COMPLEXES; PHOTOPHYSICAL PROPERTIES; NONCOVALENT LANTHANIDE PODATES; SELF-ASSEMBLED HETERODINUCLEAR D-F SUPRAMOLECULAR COMPLEXES; PREDETERMINED PHYSICOCHEMICAL PROPERTIES IRON%II< SPIN-STATE EQUI	3	67	100.0
914	DYNAMIC PIEZOELECTRIC TRANSLATION DEVICES; SIMPLE PIEZOELECTRIC TRANSLATION DEVICE; VERTICAL PIEZOELECTRIC INERTIAL SLIDER	3	0	100.0
1703	LIQUID POLYMERIC MEMBRANES; NEUTRAL-CARRIER-BASED LIQUID MEMBRANES; POTASSIUM-SELECTIVE OPTODE MEMBRANES BASED; NEUTRAL IONOPHORES; MEMBRANE-COMPONENTS	3	0	100.0
2095	DEVELOPMENT; MICRODIAGNOSTIC SYSTEMS; SEPARATION SYSTEMS; MICRO FLOW-INJECTION ANALYSIS SYSTEMS BASED; REVIEW	3	67	66.7
2149	C-60; REGIOCHEMISTRY; C-60 INFLUENCE; MULTIPLE ADDITIONS; FULLERENE CHEMISTRY	3	33	66.7
1944	ENANTIOSELECTIVE SYNTHESIS; ENANTIOSELECTIVE CATALYSTS; OPTICALLY-ACTIVE PYRIDINE-DERIVATIVES; HIGHLY DIASTEREOSELECTIVE SYNTHESIS; NEW OPTICALLY-ACTIVE AMINOALCOHOLS	3	33	66.7
2225	OLIGOSACCHARIDE ANALOGS; POLYSACCHARIDES STUDIES; POLYSACCHARIDES REGIOSELECTIVE DEPROTECTION; MONOSACCHARIDE-DERIVED MONOMERS; HALOALKYNES	3	33	66.7
1874	SYNTHESIS; NEW SYNTHESIS; BETA-GLYCOSIDASE INHIBITORS; NEW BETA-GLUCOSIDASE INHIBITOR; OTHER PYRROLIDINE INHIBITORS	3	33	66.7
1961	BULK OPTODES BASED; LEAD-SELECTIVE BULK OPTODES BASED; LEAD BASED; NEUTRAL IONOPHORES; NEUTRAL DITHIOCARBAMATE IONOPHORES	3	0	66.7
1204	POLYATOMIC-MOLECULES; NUMERICAL LOCAL-DENSITY-FUNCTIONAL APPROACH; MULTICENTER NUMERICAL-INTEGRATION SCHEME; LOCAL DENSITY FUNCTIONAL; ANALYTIC ENERGY DERIVATIVES	3	0	66.7
1390	PRESENCE; LITHIUM ENOLATES; LITHIUM BROMIDE; CHIRAL LITHIUM AMIDE; CHIRAL LITHIUM AMIDES	3	0	66.7
2372	PINGUISANE-TYPE SESQUITERPENES; UNUSUAL SESQUITERPENES KELSOENE PRESPATANE EPI-GAMMA-GURJUNENE; TROPICAL MARINE SPONGE CYMBASTELA-HOOPERI; T-CADINTHIOL; STABLE-ISOTOPE LABELING STUDIES	3	100	33.3
2249	ESR; TIME-RESOLVED ESR STUDY; DIRECT TIME-RESOLVED SPECTROSCOPIC STUDY; BOTH RADICAL FRAGMENTS; PHOSPHINOYL RADICAL STRUCTURE	3	67	33.3
2190	HOW GOOD IS FLUORINE; ORGANIC FLUORINE HARDLY EVER ACCEPTS HYDROGEN-BONDS; HYDROGEN-BOND ACCEPTOR; CRYSTALS	3	67	33.3
2238	RNA; RNA CLEAVING ACTIVITY; IMIDAZOLE TETHERED OLIGODEOXYRIBONUCLEOTIDES SYNTHESIS; OLIGONUCLEOTIDES BEARING CATIONIC GROUPS N-2-%3-AMINOPROPYL<DEOXYGUANOSINE SYNTHESIS ENHANCED BINDING-PROPERTIES; SEQUENCE-SPECIFIC CLEAVAGE	3	67	33.3

Nr.	Forschungsfront	K	I	CH%
1311	STEREOSELECTIVE PINACOL COUPLING; OLD PINACOL COUPLING REACTION; TITANIUM-INDUCED REDUCTIVE COUPLING; NEW REAGENTS; MAGNESIUM-INDUCED	3	67	33.3
2252	TECHNETIUM%V< COMPLEXES; CHIRAL ZIRCONIUM%IV< BIS%OXAZOLINE< COMPLEXES; %M<-COORDINATION POLYMERS; COORDINATION POLYMERS INDUCTION; OXAZOLINE EARLY TRANSITION-METAL COMPLEXES FUNCTIONALIZABLE ACHIRAL TITANIUM%IV< TITANIUM%III< ZIRC	3	67	33.3
2208	BORON-NITRIDE UNDER ELECTRON-IRRADIATION; PLATE-LIKE GRAPHITIC BORON-NITRIDE NANOPARTICLES PRODUCED; ELECTRON-ENERGY-LOSS SPECTROMETRY; CURVATURE-INDUCED BONDING CHANGES; CURLED CONCENTRIC-SHELL CLUSTERS	3	33	33.3
1960	COMPREHENSIVE MODEL; DISTILLATION-COLUMNS CONTAINING STRUCTURED PACKINGS; MELLAPAK STRUCTURED PACKINGS; THEIR PERFORMANCE MASS-TRANSFER MODEL; THEIR PERFORMANCE HYDRAULIC MODELS	3	33	33.3
513	COSI2 NUCLEATION; COSI2; NUCLEATION; THIN EPITAXIAL COSI2/SI%100< LAYERS; SURFACE STUDY	3	33	33.3
1607	SYNTHESIS; METHYLENECYCLOPROPANES STEREOSELECTIVE SYNTHESIS; ALKYLIDENECYCLOPROPANE DERIVATIVES; ISOXAZOLINE-5-SPIRO DERIVATIVES DIASTEREOFACIAL SELECTIVITY; REARRANGEMENT	3	33	33.3
1911	ALDEHYDES; CATALYTIC ASYMMETRIC-SYNTHESIS; CATALYTIC ASYMMETRIC ALLYLATION; ENANTIOSELECTIVE ALLYLTITANATION; CYCLOPENTADIENYLDIALKOXYALLYLTITANIUM COMPLEXES	3	0	33.3
1548	ATRAZINE; DETECTION; ATRAZINE DETERMINATION; SENSITIVE DETECTION; TRIAZINE HERBICIDES	3	0	33.3
68	ELECTROSTATIC ADSORBATE ADSORBATE INTERACTIONS; SMALL SUPPORTED PT PARTICLES NMR-STUDY; PT-195 HYPERFINE PARAMETERS; PROMOTION; POISONING	3	0	33.3
1497	HOMOCHIRAL GLYCINE ENOLATE SYNTHON; ALPHA,ALPHA-DISUBSTITUTED ALPHA-AMINO-ACIDS VIA DIASTEREOSELECTIVE GLYCINE ENOLATE ALKYLATIONS; ALPHA-AMINO-ACID DERIVATIVES VIA; SUBSTITUTING PROLINE; STEREOSELECTIVE ALKYLATION	3	0	33.3
817	NATURAL ABUNDANCE; NATURAL ABUNDANCE LEVEL; DEUTERIUM; NATURAL FACTORS; DEUTERIUM TRANSFER	3	0	33.3
2089	NEVER-ENDING STORY OR; MOLECULAR-HYDROGEN SOLVATED CARBONIUM-IONS CH5+%H-2<%N< %N#1-6<; INFRARED-SPECTROSCOPY; FINAL WORD; CH5+	3	0	33.3
1378	NUMERICAL RESULTS; PRELIMINARY NUMERICAL RESULTS; MNDO FORMALISM; MNDO MODEL METHODICAL CONSIDERATIONS; PERSPECTIVES	3	0	33.3
1970	PARENT FULLERENE CYCLOPROPANE SYNTHESIS; PARENT FULLEROID; DIHYDROFULLEROID H2C61 SYNTHESIS; SIGMA-HOMOAROMATIC; REACTION	3	0	33.3
1800	PREPARING CATALYTIC MATERIALS; CATALYSIS; AEROGELS; AEROGEL CATALYSTS; SOL-GEL METHOD	3	0	33.3
1870	SIZE; SI60X %X # NE; SI60; NATURE; NA+<	3	0	33.3
362	STRESS-STRAIN BEHAVIOR; PLASTIC-DEFORMATION; GLASSY-POLYMERS; GLASSY LINEAR-POLYMERS; EFFECTS	3	0	33.3
1618	SYNTHESIS; METAL-MEDIATED SYNTHESIS; SYNTHESIS CHARACTERIZATION; COORDINATION BEHAVIOR; RUTHENIUM%II<-2,2-6,2$$-TERPYRIDINE COORDINATION TRIADES X-RAY STRUCTURES	3	0	33.3
486	VIRGIN ULTRAHIGH MOLECULAR-WEIGHT POLYETHYLENE; ULTRA-HIGH MOLECULAR-WEIGHT VIRGIN POWDERS; ULTRAHIGH MOLECULAR-WEIGHT POLYETHYLENE REACTOR POWDER; DRAWING; HIGH-STRENGTH HIGH MODULUS POLYETHYLENE SYNTHESIS	3	0	33.3
2342	COMBINATORIAL SYNTHESIS; NOVEL; NOVEL SOLUTION-PHASE; SOLID-PHASE STRATEGIES; SOLID SUPPORT	2	100	100.0

Nr.	Forschungsfront	K	I	CH%
2374	NOVEL PULSE THERMAL-ANALYSIS METHOD; MASS-SPECTROMETRIC SIGNALS MEASURED; ITS POTENTIAL; INVESTIGATING GAS-SOLID REACTIONS; COUPLED TA-MS SYSTEM	2	100	100.0
2334	PSEUDO-PROLINES; PEPTIDE-SYNTHESIS; MOLECULAR HINGE REVERSIBLE INDUCTION; CIS AMIDE BONDS INTO PEPTIDE BACKBONES; SOLUBILIZING STRUCTURE-DISRUPTING PROTECTION TECHNIQUE	2	100	100.0
2303	TUNGSTEN%VI<; SHUTTLES; REDOX CHEMISTRY ASSOCIATED; PORPHYRINOGEN-PORPHYRIN RELATIONSHIP; MESO-OCTAETHYLPORPHYRINOGEN FORMATION	2	100	100.0
2259	4$-DNA RADICALS; SINGLE-STRANDED 4$-DNA RADICALS INFLUENCE; RADICAL PRECURSOR; CONFORMATION LIFETIME; CHEMISTRY	2	50	100.0
2120	AB-INITIO LIQUID WATER; AB-INITIO MOLECULAR-DYNAMICS SIMULATION; LIQUID WATER COMPARISON 3 GRADIENT-CORRECTED DENSITY FUNCTIONALS	2	50	100.0
2219	AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS; CONTINUOUS AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS EXACT RESULTS VERSUS EXPERIMENTAL-DATA INVERSION; HOMOGENEOUS	2	50	100.0
2278	ULTRAHIGH-VACUUM GROWTH; STABLE INPLANE DIRECTIONAL ORDER; SELF-ASSEMBLY; ORGANIC THIN-FILMS; METAL EPITAXY STUDIED	2	50	100.0
1038	CAMPHOR DERIVATIVES; ASYMMETRIC-SYNTHESIS; CHIRAL AUXILIARIES	2	0	100.0
1863	CAPILLARY ELECTROPHORESIS; CAPILLARY ELECTROPHORESIS SEPARATION; HOLOGRAM-BASED REFRACTIVE-INDEX DETECTOR; ON-COLUMN LASER-BASED REFRACTIVE-INDEX DETECTOR; METAL-IONS	2	0	100.0
2010	DELPHI; BARREL RING IMAGING CHERENKOV COUNTER; FORWARD RING IMAGING CHERENKOV DETECTOR	2	0	100.0
1220	DIFFRACTION MEASUREMENTS; ATOMIC MOTIONS; DIFFRACTION STUDIES; ATOMIC DISPLACEMENT PARAMETERS; INTERPRETATION	2	0	100.0
1973	FRICTION; PHASE-SEPARATED THIN-FILMS; PHASE-SEPARATED ORGANIC THIN-FILMS; FRICTION MEASUREMENTS; FORCE MICROSCOPY STUDY	2	0	100.0
1806	KINETICS; HYDROGENOLYSIS; HETEROMETALLIC CLUSTERS; FORMATION; FACILE GENERATION	2	0	100.0
2101	MODELING; H+; CU2+ ADSORPTION; CALCIUM-MONTMORILLONITE; ACID-BASE CHEMISTRY	2	0	100.0
2271	PHOSPHINIC ACID ANALOGS; SELECTIVE GABA%B< AGONISTS; GABA SELECTIVE ORALLY-ACTIVE GABA%B< ANTAGONISTS; GABA NEW POTENT	2	0	100.0
489	SCALAR SPIN SPIN COUPLING-CONSTANTS; PRACTICAL ASPECTS; PEPTIDES; E-COSY TECHNIQUE MEASUREMENT; CONNECTED NMR TRANSITIONS	2	0	100.0
1324	SOLVATES; POLYMORPHS; PHARMACEUTICAL COMPOUNDS; KINETICS; CHARACTERIZATION	2	0	100.0
1308	ULTRAVIOLET; VACUUM ULTRAVIOLET EXCIMER RADIATION; UV EXCIMER RADIATION; DIELECTRIC-BARRIER DISCHARGES; SILENT DISCHARGES	2	0	100.0
2380	CHEMICAL; CHEMICAL OR BIOCHEMICAL APPLICATIONS; BIOCHEMICAL SENSING; OPTICAL TRANSDUCERS; MINIATURE INTEGRATED OPTICAL MODULES	2	100	50.0
2403	SUPERCRITICAL FLUIDS; HETEROGENEOUS CATALYSIS; HOMOGENEOUS CATALYSIS	2	100	50.0
2394	SYNTHESIS; SM-2-MEDIATED PINACOL COUPLING; HEXOS-5-ULOSES; DIASTEREOSELECTIVITY; D-GLUCOSE	2	100	50.0
2323	X-RAY-ABSORPTION FINE-STRUCTURE; X-RAY-ABSORPTION %EXAFS< SPECTROSCOPIC STUDY; NI2+; MOLECULAR-DYNAMICS STUDIES; ION-PAIRING	2	100	50.0
2275	BUCKMINSTERFULLERENE %C-60<; ADDITION-REACTIONS; COVALENT FULLERENE CHEMISTRY	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
1732	COMPARISON; INDUCTIVELY-COUPLED PLASMA-ATOMIC EMISSION-SPECTROMETRY; INDUCTIVELY-COUPLED PLASMA-MASS SPECTRO-METRY; QUANTITATIVE NEUTRON-CAPTURE RADIOGRAPHY	2	50	50.0
1413	DIAMOND THIN-FILMS DIAMOND PHASE IDENTIFICATION SURFACE-MORPHOLOGY; CVD DIAMOND THIN-FILMS GROWN; MICROSTRUCTU-RE EVOLUTION; LOW SUBSTRATE TEMPERATURES; DEFECT STRUC-TURES	2	50	50.0
1084	DIASTEREOSELECTIVITY; CYCLORUTHENATED; CHLORIDE SUBSTITU-TION-REACTIONS; %S<%C<-%-<-DIMETHYL%1-PHENYLETHYL<AMINE; HALF-SANDWICH CHIRAL RUTHENIUM COMPLEXES	2	50	50.0
1936	HYBRID PHOTODIODE TUBE; NEW HYBRID INTEVAC INTENSIFIED PHOTOCELL; TEST; AIR CHERENKOV TELESCOPES; 1ST RESULTS	2	50	50.0
1626	INTERMOLECULAR INTERACTIONS; INTERMOLECULAR NOES; MULTI-NUCLEAR NMR-SPECTROSCOPY APPLICATION; 2-DIMENSIONAL @H-1 H-1* NMR-SPECTROSCOPY COMBINED USE; METHODS	2	50	50.0
910	PHOTOELECTRON-SPECTRUM; ROTATIONALLY RESOLVED PHOTOE-LECTRON-SPECTRUM; STRUCTURE; METHANE; JAHN-TELLER EFFECT	2	50	50.0
952	PRESENCE; METAL-ION BINDING; IONIC-STRENGTH; H+ CD2+ PB2+; EFFECT	2	50	50.0
1481	RETENTION INDEX; RETENTION INDEX ACCORDING; SE-30 GLASS-CAPILLARY COLUMN LINEAR-EQUATIONS; PERFUMERY COMPOUNDS; KOVATS	2	50	50.0
1108	STEREODIVERGENT ROUTE; N-GLYOXYLOYL-%2R<-BORNANE-10,2-SULTAM; HIGHLY STEREOSELECTIVE ADDITION; ERYTHRO-DELTA-HYDROXY-GAMMA-LACTONES; DIRECTED ALDOL CONDENSATION	2	50	50.0
2086	SYNTHESIS; SURFACE; PORPHYRIN; OPTICAL; GE<< CYCLOPROPYLA-TION	2	50	50.0
2281	TITANYLPHTHALOCYANINE; TITANYL PHTHALOCYANINE %TIOPC<; TIME-RESOLVED FLUORESCENCE; STUDY; SOLID-STATE SPECTRA	2	50	50.0
1689	TOPIC; SYSTEM SR/MG/SI; STRUCTURE; GE<< CAN ONE DESIGN ZINTL ANIONS CONTRIBUTIONS; CHEMICAL BONDING	2	50	50.0
1974	URINE; CAPILLARY ELECTROPHORESIS; MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY; HUMAN URINE USING STEPWISE SOLID-PHASE EXTRACTION; DRUG	2	50	50.0
1073	VISIBLE SPECTRA; UNKNOWN MIXTURE; QUANTIFICATION; KNOWN COMPONENT; GLYCINE	2	50	50.0
2162	AMINO-ACIDS PEPTIDES; CIRCULATING BIOACTIVE PEPTIDES DETER-MINATION; PROTEINS; PHYSIOLOGICAL-ROLE; INSULIN-LIKE GROWTH-FACTOR BINDING-PROTEINS	2	0	50.0
1222	CATIONIC PALLADIUM%II<-DIPHOSPHINE COMPLEXES; COMPLEXES X-RAY STRUCTURE; SOLVOLYTIC BEHAVIOR; KETONES; CATALYSTS	2	0	50.0
1000	COMPLEXES; PENTAAMMINERUTHENIUM%II< COMPLEXES; PHO-TOPHYSICAL; METAL-TO-LIGAND CHARGE-TRANSFER %MLCT< EXCI-TED-STATES; ELECTRON-DONATING SUBSTITUENTS	2	0	50.0
2243	DISAPPEARING POLYMORPHS; ORGANIC POLYMORPHS; ANALYSIS; REVIEW	2	0	50.0
1764	DRUG DELIVERY; DRUG DESIGN; QUANTITATIVE IR SPECTROPHOTO-METRY; PEPTIDE COMPOUNDS; INSITU INFRARED ATTENUATED TO-TAL REFLECTION %IR ATR< SPECTROSCOPY	2	0	50.0
570	ELECTRON TRAPPING; SEMICONDUCTOR NANOCLUSTERS; CHARGE CARRIER TRAPPING; SMALL SEMICONDUCTOR PARTICLES; FEMTOSE-COND INVESTIGATION	2	0	50.0
940	ENVIRONMENTAL-SAMPLES USING HIGH-RESOLUTION GAS-CHROMATOGRAPHY; GC FPD AFTER DIRECT AQUEOUS-PHASE ETHY-LATION USING SODIUM TETRAETHYLBORATE; SEAWATER; ORGANO-TIN COMPOUNDS; FLAME PHOTOMETRIC DETECTION	2	0	50.0
1760	GE%111< SURFACE; SEMICONDUCTOR SURFACE; METALLIZATION; INCOMPLETE MELTING; HIGH-TEMPERATURE	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1400	GUANOSINE CYCLIC 3$,5$-MONOPHOSPHATE USING ACETYLCHOLINESTERASE; ADENOSINE CYCLIC 3$,5$-MONOPHOSPHATE; ENZYME IMMUNOASSAYS; 2 ENZYME IMMUNOMETRIC ASSAYS %EIA< USING ACETYLCHOLINESTERASE; PRODUCTION	2	0	50.0
715	ION ION POTENTIALS; WATER ION SOLVENT CORRELATIONS; MEAN FORCE; INFINITE DILUTION; GENERALIZED REACTION FIELD METHOD	2	0	50.0
372	LATTICE-PARAMETER; SMALL PARTICLES; SMALL PALLADIUM PARTICLES; SIZE DEPENDENCE; SIZE EFFECT	2	0	50.0
51	LIPID EXTRACTION; EFFICIENT METHOD; STANDARDIZED METHOD; DETERMINING VITAMIN-E LIPID RATIOS; USE	2	0	50.0
924	NATURAL-PRODUCTS CHEMISTRY; J-CROSS-PEAKS; INVERSE-DETECTED 2-DIMENSIONAL NMR METHODS APPLICATIONS; CROSS-RELAXATION; 2D ROTATING-FRAME NMR-SPECTROSCOPY	2	0	50.0
2229	OPTICAL-FIBER NEAR-FIELD PROBES; PROTECTION LAYER CHEMICALLY ETCHED OPTICAL-FIBER TIPS; OPTIMIZATION; MECHANICALLY DRAWN; FABRICATION	2	0	50.0
229	POLYMERS; PARTICIPATION; MODELS; CONCENTRATION FLUCTUATIONS; CHEMICAL-REACTIONS	2	0	50.0
1982	POSSIBLE NEW HIGHLY STABLE FULLERIDE CLUSTER LI-12C-60; INTERCALATION; C-60 LATTICE; SODIUM HETEROCLUSTERS INTO	2	0	50.0
984	REACTIONS; VITAMIN-B12-MEDIATED ELECTROCHEMICAL REACTIONS; NATURAL-PRODUCTS; KINETIC CONTROL; ELECTROGENERATED CO%I< MACROCYCLES	2	0	50.0
2116	REFERENCE POINTS; PH SCALE WHERE ISOELECTRIC POINTS CORRELATE; IMMOBILIZED PH GRADIENTS CAN BE PREDICTED; PROTEINS; POLYPEPTIDES	2	0	50.0
2152	RETINOL ALPHA-TOCOPHEROL; RETINOL ALPHA-TOCOPHEROL LUTEIN ZEAXANTHIN BETA-CRYPTOXANTHIN LYCOPENE ALPHA-CAROTENE TRANS-BETA-CAROTENE; CAROTENOIDS %LUTEIN ALL-TRANS-LYCOPENE ALPHA-CAROTENE; SERUM DETERMINED SIMULTANEOUSLY; REVERSED-P	2	0	50.0
1814	SIMPLE ROUTE; RITTER REACTION; INDENE OXIDE; ENANTIOSELECTIVE REDUCTION; CIS-AMINOINDANOL	2	0	50.0
1661	SODIUM-DODECYL-SULFATE PROTEIN COMPLEXES; PROTEIN-SURFACTANT INTERACTIONS; PROTEIN-DECORATED MICELLE STRUCTURE; NEUTRON-SCATTERING; DETERMINED	2	0	50.0
2093	SURFACE MODIFICATION; RATS; PROLONG BLOOD-CIRCULATION; PEO PPO BLOCK-COPOLYMERS; NANOPARTICLES	2	0	50.0
831	SYNTHESIS; SELECTIVE SYNTHESIS; REACTIVITY PARTNERS; NATURE; CYCLOBUTENONES	2	0	50.0

CH-Forschungsfronten 1999
Clinical Medicine

Nr.	Forschungsfront	K	I	CH%
863	**SOMATOSTATIN RECEPTORS; SOMATOSTATIN RECEPTOR SCINTIGRAPHY; SOMATOSTATIN; SOMATOSTATIN ANALOGS; PITUITARY SOMATOSTATIN RECEPTOR**	**50**	**32**	**24.0**
205	AORTIC-VALVE REPLACEMENT; CALCIFICATION; AORTIC POSITION; STENTLESS PORCINE AORTIC-VALVE; STENTLESS	50	28	4.0
945	GLASS-IONOMER CEMENTS; LIGHT-CURED GLASS-IONOMER CEMENTS; RESIN-MODIFIED GLASS-IONOMER CEMENTS FLUORIDE RELEASE; FLUORIDE; FLUORIDE RELEASE	50	22	4.0
1146	ECTOPIC PREGNANCY; BLUNT ABDOMINAL-TRAUMA; ULTRASONOGRAPHY; EVALUATION; ULTRASOUND	50	36	2.0
364	EPILEPSY; TEMPORAL-LOBE EPILEPSY; ICTAL; LOCALIZATION; INTRACTABLE EPILEPSY	50	26	2.0
70	REPAIR; INCISIONAL HERNIA; INCISIONAL HERNIAS; LAPAROSCOPIC REPAIR; LARGE INCISIONAL HERNIAS	50	24	2.0
719	LOCOMOTION; SPASTIC PATIENTS; HUMANS; SPINAL-CORD; NONAMBULATORY HEMIPARETIC PATIENTS	49	18	6.1
3	ACUTE-PANCREATITIS; SEVERE ACUTE-PANCREATITIS; HUMAN ACUTE-PANCREATITIS; ACUTE-PANCREATITIS COMPARISON; ACUTE NECROTIZING PANCREATITIS	49	27	4.1
88	HUMAN PARVOVIRUS B19 INFECTION; HUMAN PARVOVIRUS-B19; HUMAN PARVOVIRUS B19; B19 PARVOVIRUS; PARVOVIRUS B19	49	24	4.1
481	DIALYSIS; EFFECT; MORTALITY; PATIENTS; ACUTE-RENAL-FAILURE	49	31	2.0
243	CHILDREN; URINARY-TRACT INFECTIONS; ACUTE PYELONEPHRITIS; VESICOURETERAL REFLUX; EVALUATION	49	27	2.0
597	CAVERNOUS MALFORMATIONS; CAVERNOUS ANGIOMAS; CEREBRAL CAVERNOUS ANGIOMAS; CAVERNOUS ANGIOMA; REVIEW	49	14	2.0
1166	PHOTODYNAMIC THERAPY; 5-AMINOLEVULINIC ACID; BARRETTS-ESOPHAGUS; TREATMENT; BARRETTS-ESOPHAGUS PHOTODYNAMIC THERAPY	48	31	6.3
1830	MOTHER-TO-CHILD TRANSMISSION; TRANSMISSION; HUMAN-IMMUNODEFICIENCY-VIRUS; HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1; PERINATAL TRANSMISSION	48	73	4.2
507	GASTROESOPHAGEAL REFLUX; GASTROESOPHAGEAL REFLUX DISEASE; CISAPRIDE; CLARITHROMYCIN	48	40	4.2
110	DYSPEPSIA; HELICOBACTER-PYLORI; NONULCER DYSPEPSIA; FUNCTIONAL DYSPEPSIA; PATIENTS	48	33	4.2
1277	CYTOMEGALOVIRUS RETINITIS; PATIENTS; AIDS; AIDS PATIENTS; TREATMENT	48	44	2.1
747	CLINICOPATHOLOGICAL STUDY; CHRONIC LYMPHOCYTIC-LEUKEMIA; PATIENTS; EXTRAMEDULLARY MYELOID CELL TUMORS; GRANULOCYTIC SARCOMA	48	31	2.1
183	CHRONIC-PANCREATITIS; PANCREATIC PSEUDOCYSTS; PANCREATIC-ENZYME SECRETION; FEEDBACK-REGULATION; PANCREATIC FUNCTION	48	17	2.1
1144	CHARACTERIZATION; EXPRESSION CLONING; PROGRESSIVE FAMILIAL INTRAHEPATIC CHOLESTASIS; ORGANIC-ANIONS; BASOLATERAL ORGANIC ANION TRANSPORTER	47	49	17.0
138	NEUROCYSTICERCOSIS; CYSTICERCOSIS; ALVEOLAR ECHINOCOCCOSIS; CYSTICERCOSIS DUE; MEXICO	47	28	17.0
1284	HELICOBACTER-PYLORI; INFECTION; PATIENTS; HELICOBACTER-PYLORI INFECTION; HELICOBACTER-PYLORI CYTOTOXIN	47	36	4.3
1188	CHRONIC REJECTION; DELAYED GRAFT FUNCTION; REJECTION; RENAL-ALLOGRAFT SURVIVAL; RENAL-ALLOGRAFT PATHOLOGY	47	51	2.1
129	SYNCOPE; PATIENTS; UNEXPLAINED SYNCOPE; NEUROCARDIOGENIC SYNCOPE; RECURRENT UNEXPLAINED SYNCOPE	47	23	2.1

Nr.	Forschungsfront	K	I	CH%
149	CULTURED SKIN SUBSTITUTES; CULTURED EPIDERMAL AUTOGRAFTS; CULTURED AUTOLOGOUS KERATINOCYTES; USE; CULTURED SKIN	46	22	6.5
459	OTOACOUSTIC EMISSIONS; DISTORTION-PRODUCT OTOACOUSTIC EMISSIONS; TRANSIENT-EVOKED OTOACOUSTIC EMISSIONS; 2F1-F2 DISTORTION-PRODUCT OTOACOUSTIC EMISSION; DISTORTION PRODUCT EMISSIONS	46	11	6.5
297	ENZYME REPLACEMENT THERAPY; THERAPY; ENZYME THERAPY; X-LINKED ADRENOLEUKODYSTROPHY; GAUCHER DISEASE	46	28	4.3
1037	FUNCTIONAL MAGNETIC-RESONANCE-IMAGING; SUPPLEMENTARY MOTOR AREA; FUNCTIONAL MR-IMAGING; LOCALIZATION; MOTOR CORTEX	46	26	4.3
47	MYCOBACTERIUM-AVIUM COMPLEX; MYCOBACTERIUM-AVIUM INFECTION; AIDS; DISSEMINATED MYCOBACTERIUM-AVIUM COMPLEX INFECTION; MYCOBACTERIUM-AVIUM COMPLEX BACTEREMIA	46	26	4.3
20	LASER-INDUCED FLUORESCENCE SPECTROSCOPY; NORMAL; DYSPLASIA; FLUORESCENCE SPECTROSCOPY; DETECTION	46	39	2.2
91	ANTIPHOSPHOLIPID ANTIBODIES; ANTIPHOSPHOLIPID SYNDROME; PATIENTS; ANTICARDIOLIPIN ANTIBODIES; ANTIBODIES	46	26	2.2
361	Y-CHROMOSOME; REMAINS; HUMAN Y-CHROMOSOME VARIATION; HUMAN Y-CHROMOSOME; ANALYSIS	45	47	8.9
830	APLASTIC-ANEMIA; TREATMENT; AUTOLOGOUS BONE-MARROW TRANSPLANTATION; HODGKINS-DISEASE; BONE-MARROW TRANSPLANTATION	45	31	8.9
186	PERTUSSIS; BORDETELLA-PERTUSSIS; ACELLULAR PERTUSSIS-VACCINE; WHOLE-CELL PERTUSSIS-VACCINE; DIPHTHERIA	45	44	6.7
388	LEISHMANIASIS; VISCERAL LEISHMANIASIS; MEDITERRANEAN VISCERAL LEISHMANIASIS; CUTANEOUS LEISHMANIASIS; INDIAN LEISHMANIASIS	45	31	4.4
561	REPRESENTATION; NATURAL-LANGUAGE PROCESSING; MEDICAL LANGUAGE; MEDICAL TERMINOLOGY; MEDICAL RECORDS	45	42	2.2
58	STAGE-III NON-SMALL-CELL LUNG-CANCER; NON-SMALL-CELL LUNG-CANCER; STAGING; SURGERY; RANDOMIZED TRIAL	45	29	2.2
491	GASTROINTESTINAL STROMAL TUMORS; INTERSTITIAL-CELLS; CAJAL; C-KIT; LIGAND	45	27	2.2
1437	FAS LIGAND; FAS; EXPRESSION; FAS LIGAND EXPRESSION; HUMAN FAS LIGAND	44	50	13.6
762	BREAST-CANCER; ADVANCED BREAST-CANCER; METHODS; PUBLIC; ADJUVANT THERAPY	44	36	13.6
181	CHARCOT-MARIE-TOOTH DISEASE TYPE-1A; MUTATIONS; HEREDITARY MOTOR; HEREDITARY NEUROPATHY; CHARCOT-MARIE-TOOTH DISEASE	44	50	9.1
43	BLOOD-FLOW; GLAUCOMA; LOW-TENSION GLAUCOMA; OPEN-ANGLE GLAUCOMA; DIABETIC-RETINOPATHY	44	14	9.1
319	FEVER; NEUTROPENIC PATIENTS; CANCER; CANCER-PATIENTS; NEUTROPENIA	44	11	9.1
301	HYPERPARATHYROIDISM; PATIENTS; CALCIUM ACETATE; RENAL HYPERPARATHYROIDISM; CALCIUM RECEPTOR	44	39	6.8
432	VESICOURETERAL REFLUX; CHILDREN; GASTROCYSTOPLASTY; BLADDER RECONSTRUCTION; BLADDER AUGMENTATIONS	44	23	6.8
1072	CHILDREN; DUAL-ENERGY X-RAY ABSORPTIOMETRY; BODY-COMPOSITION; ADOLESCENTS; OVERWEIGHT	44	34	2.3
445	ADENOCARCINOMA; BARRETTS-ESOPHAGUS; HELICOBACTER-PYLORI INFECTION; BARRETTS ESOPHAGUS; PATIENTS	43	35	9.3
1233	METFORMIN; PATIENTS; NIDDM; TROGLITAZONE; NIDDM PATIENTS	43	42	4.7
605	DIAGNOSIS; MANAGEMENT; CT; TREATMENT; SUSPECTED APPENDICITIS	43	35	4.7
166	CARDIOPULMONARY BYPASS; APROTININ; HEPARIN; BLOOD-LOSS; COAGULATION	43	21	4.7

Nr.	Forschungsfront	K	I	CH%
1101	ORLISTAT; SIBUTRAMINE; VALVULAR HEART-DISEASE ASSOCIATED; PRIMARY PULMONARY-HYPERTENSION; VALVULAR HEART-DISEASE	42	52	9.5
1343	DETECTION; COMPARATIVE GENOMIC HYBRIDIZATION; MATERNAL BLOOD; FETAL DNA; FETAL CELLS	42	40	9.5
419	ROTAVIRUS; ROTAVIRUS INFECTION; ROTAVIRUS INFECTIONS; UNITED-STATES; ROTAVIRUS IMMUNIZATION PROGRAM	42	43	7.1
637	ENDOSCOPIC 3RD VENTRICULOSTOMY; MANAGEMENT; ARACHNOID CYSTS; CENTRAL NEUROCYTOMA; COLLOID CYSTS	42	21	7.1
385	BREAST; TREATMENT; DUCTAL CARCINOMA IN-SITU; BREAST-CANCER; LUMPECTOMY	42	14	7.1
1433	MULTIPLE-SCLEROSIS; MULTIPLE-SCLEROSIS LESIONS; ACUTE MULTIPLE-SCLEROSIS LESIONS; MAGNETIZATION-TRANSFER; MULTIPLE-SCLEROSIS PLAQUES	42	45	2.4
1669	HEPATITIS-C VIRUS-INFECTION; PATIENTS; HEPATITIS-C VIRUS; CHRONIC HEPATITIS-C; HEPATITIS-C	42	33	2.4
1395	LAPAROSCOPIC REPAIR; LAPAROSCOPIC HERNIA REPAIR; INGUINAL-HERNIA REPAIR; HERNIA REPAIR	42	29	2.4
1151	PERITONEAL-DIALYSIS; CAPD; CAPD PATIENTS; CONTINUOUS AMBULATORY PERITONEAL-DIALYSIS; PATIENTS	42	24	2.4
184	ANTERIOR CRUCIATE LIGAMENT; PROPRIOCEPTION; HUMAN ANTERIOR CRUCIATE LIGAMENT; KNEE; ANTERIOR	42	14	2.4
575	LUNG-CANCER; PATIENTS; ADVANCED NON-SMALL-CELL LUNG-CANCER; METASTATIC NON-SMALL-CELL LUNG-CANCER; STAGE-IV NON-SMALL-CELL LUNG-CANCER	42	7	2.4
160	TREATMENT; GUIDED TISSUE REGENERATION; PERIODONTAL REGENERATION; REGENERATION; GUIDED PERIODONTAL TISSUE REGENERATION	41	17	12.2
680	STAPHYLOCOCCUS-AUREUS; VANCOMYCIN; PHARMACODYNAMICS; VANCOMYCIN RESISTANCE; CYSTIC-FIBROSIS	41	49	9.8
265	MALARIA; MEFLOQUINE; TREATMENT; ATOVAQUONE; PLASMODIUM-FALCIPARUM MALARIA	41	46	9.8
608	CHRONIC MYELOGENOUS LEUKEMIA; LEUKEMIA; TRANSPLANTATION; BONE-MARROW TRANSPLANTATION; CHRONIC MYELOID-LEUKEMIA	41	41	9.8
1881	HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 RNA; PLASMA; HIV-1; QUANTIFICATION; HIV-1 SUBTYPES	41	54	4.9
656	GENISTEIN; LIGNANS; PHYTO-ESTROGENS; DIETARY PHYTOESTROGENS; PHYTOESTROGENS	41	27	4.9
1041	CARDIAC TROPONIN-I; TROPONIN-I; ACUTE MYOCARDIAL-INFARCTION; CARDIAC TROPONIN-T; PATIENTS	41	56	2.4
666	CANCER PAIN; CARPROFEN; DOGS; COMPARISON; POSTOPERATIVE PAIN	41	34	2.4
1217	IDIOPATHIC MEMBRANOUS NEPHROPATHY; FOCAL SEGMENTAL GLOMERULOSCLEROSIS; CHILDREN; CYCLOSPORINE; IDIOPATHIC FOCAL SEGMENTAL GLOMERULOSCLEROSIS	41	24	2.4
414	CARPAL-TUNNEL SYNDROME; EVALUATION; MILD CARPAL-TUNNEL SYNDROME; DIAGNOSIS; ELECTRODIAGNOSIS	41	20	2.4
201	MELANOCYTIC NEVI; SUN EXPOSURE; NEVI; MELANOMA; USE	41	7	2.4
8	DIAGNOSIS; PATIENTS; SUSPECTED PULMONARY-EMBOLISM; PULMONARY-EMBOLISM; DEEP-VEIN THROMBOSIS	40	55	15.0
338	VESTIBULAR EVOKED-POTENTIALS; GTP CYCLOHYDROLASE-I; VESTIBULAR NERVE; PATIENTS; MUTATIONS	40	38	10.0
1532	MULTIPLE-SCLEROSIS; RELAPSING-REMITTING MULTIPLE-SCLEROSIS; RELAPSING MULTIPLE-SCLEROSIS; INTERFERON BETA-1A	40	60	7.5
743	RESPIRATORY SYNCYTIAL VIRUS; RESPIRATORY SYNCYTIAL VIRUS-INFECTION; RESPIRATORY SYNCYTIAL VIRUS IMMUNE GLOBULIN; INFANTS	40	42	7.5
1438	PATIENTS; IMPAIRED ENDOTHELIUM-DEPENDENT VASODILATION; ESSENTIAL-HYPERTENSION; IMPAIRED ENDOTHELIUM-DEPENDENT; ENDOTHELIAL DYSFUNCTION	40	22	7.5

Nr.	Forschungsfront	K	I	CH%
101	PREVENTION; EFFICACY; CENTRAL VENOUS CATHETERS; CENTRAL VENOUS; RANDOMIZED CONTROLLED TRIAL	40	32	2.5
294	THYMIDYLATE SYNTHASE INHIBITORS; THYMIDYLATE SYNTHASE; LY231514; PATIENTS; POTENT INHIBITOR	40	30	2.5
81	INFLUENZA VACCINATION; INFLUENZA VACCINE; INFLUENZA; ELDERLY; EFFICACY	39	26	12.8
24	BACTERIAL VAGINOSIS; SEXUALLY-TRANSMITTED DISEASES; PRETERM DELIVERY; WOMEN; VAGINAL FLORA	39	38	5.1
647	PATIENTS; POOR-RISK GERM-CELL TUMORS; TREATMENT; ETOPOSIDE; DISSEMINATED GERM-CELL TUMORS	39	31	2.6
498	METASTATIC RENAL-CELL CARCINOMA; PROGNOSTIC FACTORS; RENAL-CELL CARCINOMA; SURVIVAL; PATIENTS	39	28	2.6
956	TRANSFORMING GROWTH-FACTOR-BETA; DIABETIC RATS; ANGIOTENSIN-II; EXPRESSION; GLOMERULI	39	23	2.6
408	ASCENDING AORTA; AORTIC DISSECTION; AORTIC-VALVE; PATIENTS; SURGICAL-TREATMENT	39	8	2.6
1052	MALARIA; AREA; PLASMODIUM-FALCIPARUM; MORTALITY; PLASMODIUM-FALCIPARUM MALARIA	38	42	15.8
1867	ANTIGEN RECOGNIZED; AUTOLOGOUS CYTOLYTIC T-LYMPHOCYTES; HUMAN-MELANOMA; DENDRITIC CELLS; CYTOLYTIC T-LYMPHOCYTES	38	42	7.9
545	POWER DOPPLER SONOGRAPHY; POWER DOPPLER US; TRANSCRANIAL DOPPLER ULTRASOUND; COLOR DOPPLER FLOW IMAGING; POWER VERSUS CONVENTIONAL COLOR DOPPLER SONOGRAPHY COMPARISON	38	37	7.9
2018	ACTIVATED PROTEIN-C; VENOUS THROMBOSIS; RISK; THROMBOSIS; MUTATION	38	58	5.3
100	TREATMENT; SILICONE STENTS; MANAGEMENT; TRACHEOBRONCHIAL OBSTRUCTION; TRACHEOBRONCHIAL MALIGNANCIES	38	16	5.3
482	MR CHOLANGIOGRAPHY; ENDOSCOPIC RETROGRADE CHOLANGIOGRAPHY; MR CHOLANGIOPANCREATOGRAPHY; ENDOSCOPIC RETROGRADE CHOLANGIOPANCREATOGRAPHY; 3-DIMENSIONAL MR CHOLANGIOGRAPHY	38	55	2.6
1354	NEURAL-TUBE DEFECTS; RISK FACTOR; METHYLENETETRAHYDROFOLATE REDUCTASE GENE; METHYLENETETRAHYDROFOLATE REDUCTASE; COMMON MUTATION	38	53	2.6
172	OTITIS-MEDIA; ACUTE OTITIS-MEDIA; EFFUSION; CHILDREN; EFFICACY	38	47	2.6
1483	ERYTHROPOIETIN; HEMODIALYSIS-PATIENTS; PATIENTS; ANEMIA; TREATMENT	38	45	2.6
897	FUSION; ACUTE LYMPHOBLASTIC-LEUKEMIA; CHILDHOOD ACUTE LYMPHOBLASTIC-LEUKEMIA; ACUTE MYELOID-LEUKEMIA; ACUTE	38	39	2.6
77	ESTROGEN; ESTROGEN REPLACEMENT THERAPY; POSTMENOPAUSAL WOMEN; EFFECTS; RISK	38	29	2.6
1045	EXPERIENCE; ILEAL NEOBLADDER; KOCK ILEAL RESERVOIR; KOCK ILEAL NEOBLADDER UPDATED EXPERIENCE; MITROFANOFF PRINCIPLE	38	26	2.6
228	PTEN; TUMOR-SUPPRESSOR PTEN; GERMLINE MUTATIONS; MUTATIONS; COWDEN-DISEASE	37	76	5.4
1494	GRANULOCYTE-COLONY-STIMULATING FACTOR; RECOMBINANT HUMAN GRANULOCYTE-COLONY-STIMULATING FACTOR; BLOOD; PERIPHERAL-BLOOD	37	43	5.4
133	GROUP-B STREPTOCOCCAL DISEASE; ADULTS; GROUP-B STREPTOCOCCAL MENINGITIS; INVASIVE GROUP-B STREPTOCOCCAL DISEASE; BACTERIAL-MENINGITIS	37	43	2.7
1505	ANGIOTENSIN-II RECEPTOR SUBTYPES; BLOOD-PRESSURE; ANGIOTENSIN-II; ANGIOTENSIN; ANGIOTENSIN-II TYPE-2 RECEPTOR	37	38	2.7
661	DEMENTIA; ELDERLY; ROTTERDAM STUDY; CARDIOVASCULAR HEALTH STUDY; DEMENTIA DISORDERS	37	27	2.7

Nr.	Forschungsfront	K	I	CH%
150	SCREENING; ALCOHOL; PATIENTS; GENERAL-PRACTICE; RANDOMIZED TRIAL	37	19	2.7
171	CEREBRAL VENOUS THROMBOSIS; IDIOPATHIC INTRACRANIAL HYPERTENSION; SINUS VENOUS THROMBOSIS; CEREBRAL VENOUS SINUS THROMBOSIS; CEREBRAL SINUS THROMBOSIS	36	19	8.3
734	ALZHEIMERS-DISEASE; PATIENTS; TACRINE; ALZHEIMER-DISEASE; DONEPEZIL	36	61	5.6
1066	3-DIMENSIONAL GADOLINIUM-ENHANCED MR-ANGIOGRAPHY; GADOLINIUM-ENHANCED MR-ANGIOGRAPHY; GADOLINIUM-ENHANCED 3-DIMENSIONAL MR-ANGIOGRAPHY; 3-DIMENSIONAL GADOLINIUM-ENHANCED; BREATH-HOLD GADOLINIUM-ENHANCED MR-ANGIOGRAPHY	36	56	5.6
818	PARKINSONS-DISEASE; ADVANCED PARKINSONS-DISEASE; PALLIDOTOMY; TREATMENT; MICROELECTRODE-GUIDED POSTEROVENTRAL PALLIDOTOMY	36	50	5.6
355	HYPERTROPHIC CARDIOMYOPATHY; HYPERTROPHIC OBSTRUCTIVE CARDIOMYOPATHY; FAMILIAL HYPERTROPHIC CARDIOMYOPATHY; MUTATIONS; HYPERTROPHIC CARDIOMYOPATHY INTERRELATIONS	36	44	5.6
1508	RISK; BETA-CAROTENE; VITAMIN-E; COLON-CANCER; LUNG-CANCER	36	36	5.6
1164	ASTHMA; SALMETEROL; COMPARISON; SALBUTAMOL; MILD ASTHMA	36	31	5.6
775	VASOPRESSIN; CUSHINGS-SYNDROME; DIFFERENTIAL-DIAGNOSIS; VASOPRESSIN RECEPTOR; MOLECULAR-CLONING	36	14	5.6
1027	MORTALITY; HEALTH; DEPRIVATION; INCOME INEQUALITY; SOCIAL DEPRIVATION	36	56	2.8
741	ANGIOMYOLIPOMA; TUBEROUS SCLEROSIS; RENAL ANGIOMYOLIPOMA; KIDNEY; TUBEROUS SCLEROSIS IS	36	39	2.8
147	VISUAL IMPAIRMENT; PREVALENCE; AGE-RELATED MACULOPATHY; BLUE MOUNTAINS EYE STUDY; BEAVER DAM EYE STUDY	36	36	2.8
446	CELIAC-DISEASE; PATIENTS; CELIAC-DISEASE PATIENTS; DETECTING CELIAC-DISEASE; CELIAC-DISEASE OCCURRENCE	36	33	2.8
1268	EWINGS-SARCOMA; EWS; EWS GENE; TUMORS; DESMOPLASTIC SMALL ROUND-CELL TUMOR	36	28	2.8
796	INTESTINAL TRANSPLANTATION; PATIENTS; INTESTINAL ADAPTATION; SMALL-BOWEL TRANSPLANTATION; SHORT BOWEL SYNDROME	36	22	2.8
616	FUNCTIONAL BRAIN MAPPING; FUNCTIONAL MRI; HUMAN BRAIN ACTIVATION; MAGNETIC-RESONANCE-IMAGING; FUNCTIONAL MAPPING	36	14	2.8
1418	PROSTATE-CANCER; LYCOPENE; CAROTENOIDS; RISK; BETA-CAROTENE	35	43	8.6
383	CHILDREN; BONE MASS; BONE-MINERAL DENSITY; BONE; PEAK BONE MASS	35	31	8.6
1009	ACUTE MYELOID-LEUKEMIA; ACUTE MYELOGENOUS LEUKEMIA; ACUTE NONLYMPHOCYTIC LEUKEMIA; INTENSIVE CHEMOTHERAPY; CANCER	35	26	8.6
400	PANCREATIC-CANCER; PATIENTS; STAGING; MALIGNANT OBSTRUCTION; RANDOMIZED TRIAL	35	11	8.6
1858	THROMBOPOIETIN; PATIENTS; MEGAKARYOCYTE GROWTH; THROMBOPOIETIN LEVELS; PLATELET PRODUCTION	35	51	5.7
386	MUTATIONS; DISEASE; REVIEW; KERATO-EPITHELIN MUTATIONS; POINT MUTATIONS	35	40	5.7
524	BREAST-CANCER; EXPRESSION; C-ERBB-2 EXPRESSION; NEU ONCOGENE; HER-2/NEU EXPRESSION	35	34	5.7
1417	ASTHMA; EFFECT; CHRONIC ASTHMA; MILD-TO-MODERATE ASTHMA; 5-LIPOXYGENASE INHIBITOR	35	54	2.9
63	VIBRIO-CHOLERAE; VIBRIO-VULNIFICUS; VIBRIO-VULNIFICUS BIOTYPES; HUMANS; VIBRIO-VULNIFICUS INFECTIONS	35	40	2.9
506	DIAGNOSIS; RENOVASCULAR HYPERTENSION; UNENHANCED HELICAL CT; CAPTOPRIL RENAL SCINTIGRAPHY; PATIENTS	35	34	2.9

Nr.	Forschungsfront	K	I	CH%
473	ACUTE RESPIRATORY-DISTRESS SYNDROME; MECHANICAL VENTILATION; LUNG; POSITIVE END-EXPIRATORY PRESSURE; VENTILATOR-INDUCED LUNG INJURY	35	26	2.9
716	NOSOCOMIAL PNEUMONIA; VENTILATOR-ASSOCIATED PNEUMONIA; PNEUMONIA; DIAGNOSIS; BRONCHOALVEOLAR LAVAGE	35	14	2.9
1706	**VALSARTAN; NEW ANGIOTENSIN-II ANTAGONIST; HYPERTENSION; ANGIOTENSIN-II RECEPTOR ANTAGONIST; ESSENTIAL-HYPERTENSION**	**34**	**47**	**20.6**
2078	BRCA1; BRCA1 MUTATIONS; BREAST-CANCER; OVARIAN-CANCER; BRCA2	34	85	8.8
1193	CARE; NURSING-HOME; RANDOMIZED TRIAL; COMPREHENSIVE GERIATRIC ASSESSMENT; NURSING-HOME RESIDENTS	34	41	5.9
879	ONDANSETRON; VOMITING; POSTOPERATIVE NAUSEA; NAUSEA; DROPERIDOL	34	38	5.9
1043	ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION; INTERFERENCE SCREW FIXATION; ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION TECHNIQUE; ANTERIOR CRUCIATE LIGAMENT RECONSTRUCTION REVISITED; CRUCIATE LIGAMENT SURGERY	34	18	5.9
1212	MULTIPLE ENDOCRINE NEOPLASIA TYPE-1; MEN1 GENE; MEN1 TUMOR-SUPPRESSOR GENE; PATIENTS; GENE	34	62	2.9
780	SCHIZOPHRENIA; ASSERTIVE COMMUNITY TREATMENT; TREATMENT; AFTERCARE TREATMENT; CASE-MANAGEMENT	34	32	2.9
1251	EFFECT; POSTMENOPAUSAL OSTEOPOROSIS; POSTMENOPAUSAL WOMEN; CALCIUM SUPPLEMENTATION; CALCIUM	33	30	12.1
145	RESECTION; TREATMENT; LIVER; PATIENTS; HEPATIC CRYOSURGERY	33	42	3.0
1133	PATIENTS; FLUOROURACIL; ADVANCED COLORECTAL-CANCER; PHASE-II STUDY; METASTATIC COLORECTAL-CANCER	33	33	3.0
304	CANINE LEISHMANIASIS; DIAGNOSIS; CANINE VISCERAL LEISHMANIASIS; CONTROL; DOGS	33	18	3.0
259	HEPATITIS-B VACCINE; HEPATITIS-B VIRUS-INFECTION; HEPATITIS-B IMMUNIZATION; HEPATITIS-B VACCINATION; HEPATITIS-B VACCINES	33	18	3.0
380	INTRACRANIAL VERTEBRAL ARTERY; DISSECTION; VERTEBRAL; VERTEBRAL ARTERY; VERTEBRAL ARTERY DISSECTION	33	6	3.0
1704	**EOTAXIN; EXPRESSION; EOTAXIN RECEPTOR CCR3; EOTAXIN MESSENGER-RNA; EOSINOPHILS**	**32**	**81**	**25.0**
578	DENTIN; DENTIN BONDING; DENTIN ADHESION; DENTIN ADHESIVES; WET DENTIN	32	38	18.8
2201	LEPTIN RECEPTOR; PLASMA LEPTIN; LEPTIN ACTION; INSULIN; OBESE	32	75	9.4
357	PATIENTS; ORAL LICHEN-PLANUS; CONTACT ALLERGY; GOLD; NICKEL ALLERGY	32	19	6.3
520	HYPERFORIN; GINKGO-BILOBA; EXTRACT; HYPERICUM EXTRACTS; EFFECTS	32	72	3.1
1399	CORTICOBASAL DEGENERATION; TAU; PROGRESSIVE SUPRANUCLEAR PALSY; CHROMOSOME-17; FRONTOTEMPORAL DEMENTIA	32	56	3.1
180	PREECLAMPSIA; PREGNANCY; LOW-DOSE ASPIRIN; PREVENTION; HYPERTENSION	32	38	3.1
78	URINARY-INCONTINENCE; BURCH COLPOSUSPENSION; TREATMENT; STRESS URINARY-INCONTINENCE; GENUINE STRESS-INCONTINENCE	32	16	3.1
313	**CYCLOSPORINE; CYCLOSPORINE PHARMACOKINETICS; MICROEMULSION FORMULATION; BIOEQUIVALENCE; PHARMACOKINETICS**	**31**	**42**	**22.6**
508	POSTDURAL PUNCTURE HEADACHE; INTRACRANIAL HYPOTENSION; SPONTANEOUS INTRACRANIAL HYPOTENSION; REVIEW; LUMBAR PUNCTURE HEADACHE	31	32	6.5
1620	AGE-RELATED MACULAR DEGENERATION; CHOROIDAL NEOVASCULARIZATION; SUBFOVEAL CHOROIDAL NEOVASCULAR MEMBRANES; SUBFOVEAL CHOROIDAL NEOVASCULARIZATION; SUBFOVEAL NEOVASCULAR MEMBRANES	31	29	6.5
894	PARKINSONS-DISEASE; PREFRONTAL CORTEX; PATIENTS; FRONTAL-LOBE DYSFUNCTION; HUMAN WORKING-MEMORY	31	39	3.2

Nr.	Forschungsfront	K	I	CH%
1584	BORON NEUTRON-CAPTURE THERAPY; NEUTRON-CAPTURE THERAPY; CLINICAL BORON NEUTRON-CAPTURE THERAPY; CHEMISTRY; INVITRO BORON NEUTRON-CAPTURE THERAPY MODEL	31	35	3.2
1240	CORONARY-ARTERY DISEASE; BALLOON ANGIOPLASTY; PATIENTS; CORONARY ANGIOPLASTY; CORONARY BALLOON ANGIOPLASTY	31	35	3.2
660	CAMPYLOBACTER-JEJUNI; CAMPYLOBACTER; VIABLE; CAMPYLOBACTER SPP; POULTRY	31	23	3.2
1507	INTERLEUKIN-12; INTERFERON-GAMMA PRODUCTION; IL-12 RECEPTOR; CD4+ T-CELLS; NATURAL-KILLER-CELL STIMULATORY FACTOR	31	19	3.2
410	MENISCAL REPAIR; ARTHROSCOPIC MENISCAL REPAIR; MENISCECTOMY; REPAIR; MENISCAL TEARS	31	13	3.2
712	EXPERIMENTAL-STUDY; MAXILLARY; PRELIMINARY-REPORT; GUIDED TISSUE REGENERATION; OSSEOINTEGRATED IMPLANTS	30	20	20.0
971	CAPECITABINE; PLATELET-DERIVED ENDOTHELIAL-CELL GROWTH-FACTOR THYMIDINE PHOSPHORYLASE; EXPRESSION; PLATELET-DERIVED ENDOTHELIAL-CELL GROWTH-FACTOR; THYMIDINE PHOSPHORYLASE-ACTIVITY	30	57	13.3
903	TRANSMYOCARDIAL LASER REVASCULARIZATION; LASER; REVASCULARIZATION; TRANSMYOCARDIAL LASER REVASCULARIZATION RESULTS; TRANSMYOCARDIAL LASER REVASCULARIZATION CLINICAL-EXPERIENCE	30	63	10.0
981	HUMAN GRANULOCYTIC EHRLICHIOSIS; HUMAN EHRLICHIOSIS; GRANULOCYTIC EHRLICHIOSIS; EHRLICHIOSIS; DETECTION	30	43	3.3
714	EPIDEMIOLOGY; MEASLES CONTROL; MEASLES OUTBREAKS; VACCINE EFFICACY; FUTURE	30	33	3.3
749	KAWASAKI-DISEASE; TREATMENT; CHILDHOOD ACUTE IMMUNE THROMBOCYTOPENIC PURPURA; INTRAVENOUS ANTI-D TREATMENT; KAWASAKI SYNDROME	30	23	3.3
206	FOOT; MR-IMAGING; ULTRASOUND EXAMINATION; US; ULCERATION	30	17	3.3
702	ARTICULAR-CARTILAGE; BIPHASIC INDENTATION; EFFECTS; MECHANICAL; ARTICULAR-CARTILAGE EXPLANTS	30	10	3.3
1267	PATIENTS; IMPLANTABLE CARDIOVERTER-DEFIBRILLATORS; IMPLANTABLE CARDIOVERTER-DEFIBRILLATOR THERAPY; EFFECT; AMIODARONE	29	34	6.9
511	HUMAN HERPESVIRUS-6; DETECTION; PATIENTS; MULTIPLE-SCLEROSIS; HUMAN HERPESVIRUS-6 INFECTION	29	34	3.4
469	PROSTATE; ACCURACY; PATIENT POSITIONING; RADIOTHERAPY; PORTAL	29	31	3.4
626	VERY-LOW-BIRTH-WEIGHT OUTCOMES; VERY-LOW-BIRTH-WEIGHT CHILDREN; CHILDREN; AGE; SCHOOL AGE	29	17	3.4
96	DESMOID TUMORS; FAMILIAL ADENOMATOUS POLYPOSIS; APC GENE; GENE; FAMILIAL POLYPOSIS	29	14	3.4
1474	**IMMUNOTHERAPY; BIRCH POLLEN; SPECIFIC IMMUNOTHERAPY; POLLEN ALLERGENS; BEE VENOM IMMUNOTHERAPY**	**28**	**46**	**21.4**
2251	DETECTION; VIRTUAL BRONCHOSCOPY; VIRTUAL ENDOSCOPY; COLONOSCOPY; VIRTUAL COLONOSCOPY	28	96	7.1
1375	ENDOTHELIN; ENDOTHELIN-1; CIRCULATING ENDOTHELIN-1; RATS; ENDOTHELIN-1 IS	28	39	7.1
216	EMPYEMA; TREATMENT; PARAPNEUMONIC EFFUSIONS; PLEURAL EMPYEMA; COMPLICATED PARAPNEUMONIC EFFUSIONS	28	36	3.6
248	PREGNANCY; EXPOSURE; OCCUPATIONAL EXPOSURE; TIME; ANTINEOPLASTIC AGENTS	28	32	3.6
1055	PATIENTS; REACTIVE ARTHRITIS; DETECTION; SYNOVIAL-FLUID; REACTIVE ARTHRITIS PATIENTS	28	29	3.6
1421	INFLAMMATION; POSTOPERATIVE ANALGESIA; INTRAARTICULAR BUPIVACAINE; ANALGESIC EFFECT; MORPHINE	28	21	3.6
403	**TRANSARTICULAR SCREW FIXATION; ANTERIOR SCREW FIXATION; ANTERIOR ODONTOID SCREW FIXATION; ANTERIOR PORTION; ODONTOID**	**27**	**19**	**22.2**

Nr.	Forschungsfront	K	I	CH%
883	THROMBOTIC THROMBOCYTOPENIC PURPURA; VON-WILLEBRAND DISEASE; VON-WILLEBRAND FACTOR-CLEAVING PROTEASE; ACUTE THROMBOTIC THROMBOCYTOPENIC PURPURA; REFRACTORY THROMBOTIC THROMBOCYTOPENIC PURPURA	27	48	14.8
927	TERBINAFINE; TREATMENT; ITRACONAZOLE; ONYCHOMYCOSIS; ORAL TERBINAFINE	27	37	11.1
1331	SCHIZOPHRENIA; TREATMENT; HALOPERIDOL; PATIENTS; OLANZAPINE	27	63	3.7
219	AUTISM; AUTISM OR ATYPICAL AUTISM; AUTISM TOWARDS; AUTISM DIAGNOSTIC INTERVIEW; AUTISM DIAGNOSTIC INTERVIEW-REVISED	27	48	3.7
895	STROKE; ATHEROSCLEROSIS RISK; EXTRACRANIAL CAROTID-ARTERY ATHEROSCLEROSIS; RISK; CAROTID	27	30	3.7
634	ALCOHOL-CONSUMPTION; ALCOHOL; FREQUENCY; ALCOHOL-USE	27	19	3.7
10	PATIENTS; SURFACTANT; BRONCHIOLITIS OBLITERANS; ACUTE RESPIRATORY-DISTRESS SYNDROME; ORGANIZING PNEUMONIA	27	19	3.7
86	WILLIAMS-SYNDROME; PRADER-WILLI SYNDROME; ELASTIN GENE; PATIENTS; PRADER-WILLI-SYNDROME	26	42	3.8
1023	BREAST RECONSTRUCTION; FREE TRAM FLAPS; BREAST; TRAM FLAP BREAST RECONSTRUCTION; IMMEDIATE BREAST RECONSTRUCTION	26	31	3.8
368	EFFECTS; EVOKED-POTENTIAL MONITORING; MOTOR EVOKED-POTENTIALS; HUMANS; MOTOR EFFECTS	26	12	3.8
1744	TUBERCULOSIS; PATIENTS; PULMONARY TUBERCULOSIS; TREATMENT; TUBERCULOSIS CARE	25	56	12.0
1114	AUTOSOMAL-DOMINANT NOCTURNAL FRONTAL-LOBE EPILEPSY; GENE; PARTIAL EPILEPSY; TEMPORAL-LOBE EPILEPSY; INHERITED EPILEPSY	25	44	8.0
496	CRANIOFACIAL RESECTION; ANTERIOR SKULL BASE; TUMORS; CRANIOFACIAL SURGERY; TUMORS INVOLVING	25	4	8.0
1493	DIABETES; DIABETES-MELLITUS; COMPARISON; DIAGNOSIS; FASTING	25	56	4.0
1429	FELINE CALICIVIRUS; CATS; CALICIVIRUSES; NORWALK VIRUS; CALICIVIRUS RABBIT HEMORRHAGIC-DISEASE VIRUS	25	32	4.0
805	EPITHELIOID HEMANGIOENDOTHELIOMA; MR IMAGING; SPINDLE-CELL HEMANGIOENDOTHELIOMA; EPITHELIOID; LIVER MR	25	20	4.0
1781	DIFFUSE EMPHYSEMA; EMPHYSEMA; LUNG-VOLUME REDUCTION SURGERY; BILATERAL LUNG-VOLUME REDUCTION SURGERY; SURGICAL LUNG-VOLUME REDUCTION	24	79	12.5
1054	SURGERY; LUMBAR DISC SURGERY; LUMBAR-DISK SURGERY; OUTCOME AFTER LUMBAR DISC SURGERY; LUMBAR DISC HERNIATIONS	24	21	12.5
519	EBOLA VIRUS; EBOLA-VIRUS; EBOLA VIRUS-INFECTION; ISOLATION; GABON	24	54	8.3
999	CLINICAL COMORBIDITY INDEX; COMPARISON; CANCER; ACCURACY; CT	24	21	8.3
591	RET PROTOONCOGENE; SPORADIC MEDULLARY-THYROID CARCINOMA; MULTIPLE ENDOCRINE NEOPLASIA TYPE 2A; MULTIPLE ENDOCRINE NEOPLASIA TYPE-2A; RET	24	17	8.3
655	SCINTIMAMMOGRAPHY; DIAGNOSIS; BREAST-CANCER; TECHNETIUM-99M-SESTAMIBI SCINTIMAMMOGRAPHY; PRONE SCINTIMAMMOGRAPHY	24	46	4.2
911	FIBROMYALGIA; PAIN; FIBROMYALGIA SYNDROME; PATIENTS; CHRONIC PAIN	24	33	4.2
709	SUICIDE; UNEMPLOYMENT; DURKHEIM SUICIDE; PREVENTING SUICIDE; SUICIDE ASPIRATIONS	24	29	4.2
256	NEAR-INFRARED SPECTROSCOPY; CEREBRAL BLOOD-FLOW; CEREBRAL BLOOD-VOLUME; CEREBRAL OXYGENATION; MEASUREMENT	24	25	4.2
1013	MR ARTHROGRAPHY; MR IMAGING; ANKLE; CT ARTHROGRAPHY; SHOULDER	24	21	4.2
146	STATUS EPILEPTICUS; NONCONVULSIVE STATUS EPILEPTICUS; CHILDREN; REFRACTORY STATUS EPILEPTICUS; MORTALITY	24	17	4.2

Nr.	Forschungsfront	K	I	CH%
264	HYDATID-DISEASE; HYDATID CYSTS; PERCUTANEOUS TREATMENT; LIVER; PERCUTANEOUS ASPIRATION	24	8	4.2
503	**DEBRISOQUINE; CYP2D6; POLYMORPHISM; IDENTIFICATION; CYTOCHROME-P450 CYP2D LOCUS**	**23**	**22**	**34.8**
1587	**INSULIN; VASODILATION; HUMANS; SKELETAL-MUSCLE; SKELETAL-MUSCLE BLOOD-FLOW**	**23**	**30**	**30.4**
39	LYME BORRELIOSIS; BORRELIA-BURGDORFERI SENSU-LATO; LYME-DISEASE; LYME BORRELIOSIS SPIROCHETES; LYME BORRELIOSIS CYCLE	23	30	17.4
203	HUMAN MONOMORPHIC; HUMAN ARYLAMINE N-ACETYLTRANSFERASE %NAT2< REVEALS; POLYMORPHIC HUMAN ARYLAMINE N-ACETYLTRANSFERASES; HUMAN COLORECTAL-CANCER; CAUCASIAN N-ACETYLTRANSFERASE	23	13	17.4
898	MYCOBACTERIUM-TUBERCULOSIS; TUBERCULOSIS; EPIDEMIOLOGY; MYCOBACTERIUM-BOVIS; MULTIDRUG-RESISTANT MYCOBACTERIUM-TUBERCULOSIS	23	35	8.7
437	ANOREXIA-NERVOSA; OUTCOME; BULIMIA-NERVOSA; MORTALITY; ANOREXIA-NERVOSA OUTCOME	23	26	8.7
710	TRAMADOL; TRAMADOL ENANTIOMERS; RACEMIC TRAMADOL; TRAMADOL ANALGESIC EFFICACY; CENTRAL ANALGESIC TRAMADOL	23	17	8.7
1495	GILBERTS-SYNDROME; GLUCOSE-6-PHOSPHATE-DEHYDROGENASE DEFICIENCY; EXPRESSION; BILIRUBIN UDP-GLUCURONOSYLTRANSFERASE; UDP-GLUCURONOSYLTRANSFERASES	23	43	4.3
1525	LAPAROSCOPIC CHOLECYSTECTOMY; BILE-DUCT INJURY DURING LAPAROSCOPIC CHOLECYSTECTOMY; BILE-DUCT INJURIES DURING LAPAROSCOPIC CHOLECYSTECTOMY; BILE-DUCT INJURY DURING LAPAROSCOPIC; LAPAROSCOPIC ULTRASONOGRAPHY DURING CHOLECYSTECTOMY	23	43	4.3
1530	COLOR DOPPLER IMAGING; AGE-RELATED MACULAR DEGENERATION; LOW-TENSION GLAUCOMA; PATIENTS; GLAUCOMA	23	39	4.3
646	CHRONIC LYMPHOCYTIC-LEUKEMIA; CHRONIC LYMPHOCYTIC-LEUKEMIA TREATED; FLUDARABINE; PATIENTS; CHRONIC LYMPHOCYTIC-LEUKEMIA RECOMMENDATIONS	23	35	4.3
292	POSTNATAL DEPRESSION; POSTPARTUM DEPRESSION; WOMEN; POSTNATAL DEPRESSION DEVELOPMENT; CONTROLLED PROSPECTIVE-STUDY	23	30	4.3
611	CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY; MULTIFOCAL MOTOR NEUROPATHY; CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY; CONDUCTION BLOCK; MOTOR NEUROPATHY	23	22	4.3
252	EWINGS-SARCOMA; LOCALIZED EWINGS-SARCOMA; BONE; TUMORS EWINGS-SARCOMA; EWINGS-SARCOMA RESULTS	23	22	4.3
325	SOCIAL PHOBIA; PANIC DISORDER; TREATMENT; FLUVOXAMINE; SOCIAL PHOBIA COMORBIDITY	23	22	4.3
723	CHILDREN; VITAMIN-A; PATIENTS; LARGE CUTANEOUS BURNS; RECOMBINANT HUMAN GROWTH-HORMONE	23	9	4.3
1318	ANGIOPLASTY; CORONARY ANGIOPLASTY; BYPASS-SURGERY; CORONARY ANGIOPLASTY COMPARED; QUALITY-OF-LIFE AFTER CORONARY ANGIOPLASTY OR CORONARY SURGERY	22	36	9.1
28	LOW-BACK-PAIN; SCHOOLCHILDREN; DETECTION; STUDY; BACK PAIN	22	9	9.1
748	EFFICACY; INSULIN-DEPENDENT DIABETES; INSULIN-DEPENDENT DIABETES-MELLITUS; INCIDENCE; HAEMOPHILUS-INFLUENZAE TYPE-B DISEASE	22	45	4.5
908	AMINOGLYCOSIDES; METAANALYSIS; EFFICACY; VANCOMYCIN	22	32	4.5
807	SCHIZOPHRENIA; ONSET; GENDER DIFFERENCES; SCHIZOPHRENIA DIFFERENCES; ADULT SCHIZOPHRENIA	22	32	4.5

Nr.	Forschungsfront	K	I	CH%
423	PSORIASIS; EVIDENCE; PSORIASIS-VULGARIS; SEVERE PSORIASIS; ACUTE GUTTATE PSORIASIS	22	23	4.5
62	NONSTEROIDAL ANTIINFLAMMATORY DRUGS; NONSTEROIDAL ANTIINFLAMMATORY DRUGS REPORT; NONSTEROIDAL ANTIINFLAMMATORY DRUGS IS; NONSTEROIDAL ANTIINFLAMMATORY DRUGS EFFECT; ROLE	22	18	4.5
1741	ANALYSIS; ENGRAFTMENT; PERIPHERAL-BLOOD PROGENITOR CELLS; PERIPHERAL-BLOOD PROGENITOR-CELL; IMMUNOPHENOTYPIC ANALYSIS	21	52	14.3
214	CRANIOPHARYNGIOMAS; RATHKE CYSTS; PATHOLOGICAL FEATURES; SYMPTOMATIC RATHKES CLEFT CYSTS; RATHKE CLEFT CYSTS	21	5	14.3
845	PREVENTION; LOW-MOLECULAR-WEIGHT HEPARIN; COMPARISON; LOW-MOLECULAR-WEIGHT HEPARIN %ENOXAPARIN<; RANDOMIZED CONTROLLED TRIAL	21	48	9.5
552	TREATMENT; METASTATIC NEUROENDOCRINE TUMORS; CARCINOID-TUMORS; HEPATIC ARTERIAL CHEMOEMBOLIZATION; NEUROENDOCRINE TUMORS	21	24	9.5
442	DIETARY-FAT; FAT; FOOD-INTAKE; OBESITY; CONTROL	21	19	9.5
670	CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME TYPE-I; PHOSPHOMANNOSE ISOMERASE DEFICIENCY; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROMES; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME EVI	21	48	4.8
1780	BALLOON ANGIOPLASTY; NO-REFLOW AFTER PERCUTANEOUS CORONARY INTERVENTION; CHRONICALLY OCCLUDED AORTOCORONARY SAPHENOUS-VEIN BYPASS GRAFTS; TREATMENT; SAPHENOUS-VEIN GRAFTS	21	33	4.8
330	USE; RADIOGRAPHY; OTTAWA ANKLE RULES; CHORIONIC VILLUS SAMPLING; ACUTE ANKLE INJURIES	21	33	4.8
428	LOWER-EXTREMITY AMPUTATION; DIABETIC FOOT ULCERS; AMPUTATION; DIABETIC FOOT; PATIENTS	21	24	4.8
1102	**IMMUNOLOGICAL MEMORY; MEMORY; CD8%+< MEMORY T-CELLS; SURVIVAL; MEMORY-PHENOTYPE T-CELLS**	**20**	**80**	**25.0**
821	GLUCAGON-LIKE PEPTIDE-1; HUMANS; GLUCAGON-LIKE PEPTIDE-1 7-36; GLUCAGON-LIKE PEPTIDE-1 %7-36<AMIDE; GLUCAGON-LIKE PEPTIDE-1 INCREASES	20	40	15.0
1361	RISK; ORAL-CONTRACEPTIVES; VENOUS THROMBOEMBOLISM; 3RD-GENERATION ORAL-CONTRACEPTIVES; CASE-CONTROL STUDY	20	65	10.0
306	AIDS; PATIENT; PATIENTS; AIDS PATIENT; URINE	20	25	10.0
1303	HELICOBACTER-PYLORI; GASTRIC LYMPHOMA; PRIMARY GASTRIC LYMPHOMA; MUCOSA-ASSOCIATED LYMPHOID-TISSUE; PRIMARY B-CELL GASTRIC LYMPHOMA	20	15	10.0
745	OSTEOSARCOMA; CHEMOTHERAPY; OPERABLE OSTEOSARCOMA; ADJUVANT CHEMOTHERAPY; PRIMARY CHEMOTHERAPY	20	15	10.0
1602	PALLIATION; MALIGNANT ESOPHAGEAL OBSTRUCTION; MALIGNANT DYSPHAGIA; SELF-EXPANDING METAL STENTS; LASER THERAPY	20	60	5.0
1440	ATRIAL-FIBRILLATION; CHRONIC ATRIAL-FIBRILLATION; TRANSVENOUS ATRIAL DEFIBRILLATION; INTERNAL CARDIOVERSION; ATRIAL-FIBRILLATION FOLLOWING INTERNAL ATRIAL DEFIBRILLATION	20	55	5.0
443	SYSTEMIC LUPUS-ERYTHEMATOSUS; PATIENTS; LUPUS-ERYTHEMATOSUS; SYSTEMIC LUPUS-ERYTHEMATOSUS CLINICAL; SYSTEMIC LUPUS-ERYTHEMATOSUS RESULTS	20	25	5.0
15	DUODENOGASTRIC REFLUX; BILE REFLUX; REFLUX; GASTROESOPHAGEAL REFLUX DISEASE; DUODENOGASTROESOPHAGEAL REFLUX	20	15	5.0
1616	STREPTOCOCCUS-PNEUMONIAE; CLINICAL ISOLATES; ANTIMICROBIAL RESISTANCE; SEROTYPE-23F STREPTOCOCCUS-PNEUMONIAE; DRUG-RESISTANT STREPTOCOCCUS-PNEUMONIAE	20	15	5.0

Nr.	Forschungsfront	K	I	CH%
994	CANCER; CARCINOMA; HEALING; ESOPHAGECTOMY; INTRATHORACIC STOMACH	20	5	5.0
493	**MYCOBACTERIUM-TUBERCULOSIS; COMPARISON; MYCOBACTERIA; CLINICAL SPECIMENS; DETECTION**	**19**	**58**	**21.1**
1334	PARKINSONS-DISEASE; LEVODOPA; TOLCAPONE; EFFECT; PARKINSONIAN-PATIENTS	19	47	15.8
736	RENAL-CELL TUMORS; RENAL-CELL CARCINOMA; RENAL ONCOCYTOMA; CLINICOPATHOLOGICAL STUDY; CLASSIFICATION	19	37	15.8
1042	CHINESE HERBAL MEDICINE; LOCUST; USE; TRADITIONAL CHINESE HERBAL THERAPY; CHINESE HERBAL PRODUCT MA-HUANG	19	26	10.5
1050	NECROTIZING ENTEROCOLITIS; BREAST-MILK; INFANTS; PRETERM INFANTS; DEVELOPMENTAL OUTCOME	19	5	10.5
290	ACINETOBACTER SPECIES; GENUS ACINETOBACTER; ACINETOBACTER; IDENTIFICATION; ACINETOBACTER-BAUMANNII	19	21	5.3
1190	ANOREXIA-NERVOSA; BONE-DENSITY; CONTRACEPTION; OSTEOPENIA; EFFECTS	19	21	5.3
974	POLYMERASE CHAIN-REACTION; FOLLICULAR MYCOSIS-FUNGOIDES; IMMUNOGLOBULIN HEAVY-CHAIN GENE REARRANGEMENTS; CLONAL T-CELL RECEPTOR-GAMMA GENE REARRANGEMENTS; CLONAL T-CELL RECEPTOR GENE REARRANGEMENTS	19	16	5.3
560	SOMATIZATION; PRIMARY CARE; SOMATIZATION DISORDER; SOMATIC PRESENTATION; PRIMARY CARE SETTING	19	11	5.3
366	ANKLE; ANKLE JOINT; CHRONIC LATERAL INSTABILITY; ANKLE INSTABILITY; EFFECT	19	5	5.3
1488	PATIENTS; ADYNAMIC BONE-DISEASE; BONE-DISEASE; ALUMINUM BONE-DISEASE; RENAL BONE-DISEASE	19	5	5.3
288	PERSONALITY-DISORDERS; DIAGNOSING PERSONALITY-DISORDERS; PERSONALITY-DISORDER; EFFECT; DSM-III PERSONALITY-DISORDERS	19	0	5.3
466	**TRANSIENT NEUROLOGIC SYMPTOMS AFTER SPINAL-ANESTHESIA; LIDOCAINE; 5-PERCENT LIDOCAINE; LIDOCAINE SPINAL-ANESTHESIA; TRANSIENT NEUROLOGICAL SYMPTOMS AFTER SPINAL-ANESTHESIA**	**18**	**56**	**22.2**
961	PROCALCITONIN; NEONATAL INFECTION; EARLY DIAGNOSIS; INTERLEUKIN-6; PROCALCITONIN CONCENTRATIONS	18	67	16.7
1983	HUMAN BLOOD; GENERATION; DENDRITIC CELLS; HUMAN DENDRITIC CELLS LANGERHANS CELLS; MATURE DENDRITIC CELLS	18	44	16.7
1552	CD44; CD44 VARIANT ISOFORMS; CD44 IS; CD44 PARTICIPATES; CD44 GENE-PRODUCTS	18	0	16.7
1749	LOVASTATIN; LOVASTATIN ACID; SIMVASTATIN; INTERACTION; HUMANS	18	78	11.1
1591	METAANALYSIS; METAANALYSIS SHMETA-ANALYSIS; METAANALYSIS DETECTED; CURRENT METAANALYSIS; CUMULATIVE METAANALYSIS	18	44	11.1
1137	RESULTS; ILIAC; BALLOON ANGIOPLASTY; STENT PLACEMENT; ILIAC ARTERY STENT PLACEMENT	18	17	11.1
2230	P27%KIP1<; CYCLIN-DEPENDENT KINASE INHIBITOR P27; EXPRESSION; CYCLIN-DEPENDENT KINASE INHIBITOR P27%KIP1<; CYCLIN-DEPENDENT KINASE INHIBITOR P27%KIP1< IS	18	83	5.6
627	PROGESTERONE; LUTEAL PHASE; PROGESTERONE AFTER ADMINISTRATION; GONADOTROPIN-RELEASING-HORMONE; ESTRADIOL OR PROGESTERONE	18	33	5.6
991	HUMAN BRAIN; BRAIN; METABOLITES; WATER; INVIVO PROTON SPECTROSCOPY	18	28	5.6
766	MELATONIN; SLEEP PROBLEMS; TREATMENT; SLEEP; SLEEP DISORDERS	18	22	5.6
690	FATIGUE; FATIGUE SCALE; FATIGUE EXPERIENCED; ASSESS FATIGUE; FATIGUE SYNDROMES	18	6	5.6
687	NONSUBMERGED TITANIUM IMPLANTS; SUBMERGED; OSSEOINTEGRATED IMPLANTS; SUBMERGED IMPLANTS; BRANEMARK IMPLANTS	17	41	17.6

Nr.	Forschungsfront	K	I	CH%
1416	SEDATION; CONSCIOUS SEDATION; COMPLICATIONS; COLONOSCOPY; GASTROINTESTINAL ENDOSCOPY	17	41	17.6
548	PATENT FORAMEN OVALE; PATIENTS; TRANSESOPHAGEAL ECHO-CARDIOGRAPHY; STROKE; ATRIAL SEPTAL ANEURYSM	17	24	17.6
966	EXPOSURE; LOW-LEVEL EXPOSURE; NONHUMAN-PRIMATES AFTER EXPOSURE; RADIATION EXPOSURE SOCIOECONOMIC-STATUS; RAT-BRAIN CELLS AFTER ACUTE EXPOSURE	17	59	11.8
87	CLASSIFICATION; HYPERSENSITIVITY VASCULITIS; AMERICAN-COLLEGE-OF-RHEUMATOLOGY 1990 CRITERIA; HENOCH-SCHONLEIN NEPHRITIS; HENOCH-SCHONLEIN PURPURA	17	47	11.8
1913	REDUCE RESTENOSIS AFTER BALLOON ANGIOPLASTY; INHIBITION; NEOINTIMAL HYPERPLASIA; INTRACORONARY IRRADIATION MARKEDLY REDUCES RESTENOSIS AFTER BALLOON ANGIOPLASTY; NEOINTIMAL FORMATION	17	35	11.8
888	GROWTH-HORMONE INSENSITIVITY SYNDROME; GROWTH-HORMONE RECEPTOR; RAT GROWTH-HORMONE RECEPTOR; HUMAN GROWTH-HORMONE RECEPTOR GENE; GROWTH-HORMONE %GH< INSENSITIVITY SYNDROME	17	41	5.9
909	PINDOLOL; TREATMENT; MAJOR DEPRESSION; EFFECT; SELECTED ANTIDEPRESSANT DRUGS	17	41	5.9
613	BLEEDING PEPTIC-ULCER; ACUTE UPPER GASTROINTESTINAL HEMORRHAGE; REBLEEDING; ACUTE NONVARICEAL UPPER GASTROINTESTINAL HEMORRHAGE; HELICOBACTER-PYLORI REDUCES	17	35	5.9
1018	BREAST-CANCER; ORGANOCHLORINE PESTICIDES; RISK; ENVIRONMENTAL ORGANOCHLORINE EXPOSURE; ORGANOCHLORINE EXPOSURE	17	35	5.9
918	HEREDITARY PANCREATITIS; PANCREATITIS; PANCREATIC-CANCER; MUTATIONS; RISK	17	35	5.9
226	AUTOLOGOUS BONE-MARROW TRANSPLANTATION; HIGH-DOSE CHEMOTHERAPY; BEAM CHEMOTHERAPY; CHEMOTHERAPY; AGGRESSIVE NON-HODGKINS-LYMPHOMA	17	18	5.9
1834	ROUTE; TRANSITIONS; HEROIN COCAINE; HEROIN; REGULAR AMPHETAMINE USERS	17	18	5.9
1340	MR IMAGING; MAGNETIZATION; SPATIAL MODULATION; MOTION; TAGGED MR-IMAGES	17	12	5.9
1211	**MYOFIBROBLASTS; ALPHA-SMOOTH MUSCLE ACTIN; FIBROBLASTS MYOFIBROBLASTS; ALPHA-SMOOTH MUSCLE ACTIN IS EXPRESSED; ALPHA-SMOOTH MUSCLE ACTIN IS TRANSIENTLY EXPRESSED**	**16**	**12**	**50.0**
1409	MYCOBACTERIAL INFECTION; MYCOBACTERIUM-TUBERCULOSIS INFECTION; INFECTION; INTRACELLULAR INFECTION; RESISTANCE	16	62	12.5
1112	SEPTIC SHOCK; TREATMENT; PATIENTS; SEPSIS; SEVERE SEPSIS	16	50	12.5
1305	RADIOTHERAPY; CARCINOMA; LOCAL-CONTROL; FRACTIONATION; PATTERNS	16	25	12.5
792	SAPHO SYNDROME; PSORIATIC-ARTHRITIS; NEW SYNDROME AMONG; SYNDROME ACNE-PUSTULOSIS-HYPEROSTOSIS-OSTEITIS %SAPHO< RESULTS; SYNOVITIS-ACNE-PUSTULOSIS HYPEROSTOSIS-OSTEOMYELITIS SYNDROME %SAPHO<	16	19	12.5
1649	SPIRAL CT; SPIRAL VOLUMETRIC CT; SPIRAL CT SCANNING; LUNG SPIRAL VOLUMETRIC CT; 3-DIMENSIONAL HELICAL CT	16	12	12.5
753	HEMOPHILIA-A; PATIENTS; FACTOR-VIII INHIBITORS; INHIBITORS; FACTOR-VIII	16	6	12.5
936	B-CELL LYMPHOMA; PATIENTS; RECURRENT B-CELL LYMPHOMA; RELAPSED B-CELL LYMPHOMA; LOW-GRADE B-CELL LYMPHOMA	16	62	6.3
224	FISH CONSUMPTION; CORONARY HEART-DISEASE; RISK; MYOCARDIAL-INFARCTION; POLYUNSATURATED FATTY-ACIDS	16	50	6.3
1249	TOLTERODINE; TREATMENT; OXYBUTYNIN; OVERACTIVE BLADDER; RANDOMIZED DOUBLE-BLIND MULTICENTER TRIAL	16	50	6.3

Nr.	Forschungsfront	K	I	CH%
251	WHIPPLES-DISEASE; DIAGNOSIS; POLYMERASE CHAIN-REACTION; DIAGNOSE WHIPPLES-DISEASE; CENTRAL-NERVOUS-SYSTEM WHIPPLES-DISEASE	16	50	6.3
997	ACROMEGALY; RESULTS; TREATMENT; MEDICAL PROGRESS ACROMEGALY; INTERNATIONAL MULTICENTER ACROMEGALY STUDY-GROUP	16	25	6.3
896	MASSIVE PULMONARY-EMBOLISM; TREATMENT; ACUTE PULMONARY-EMBOLISM; ACUTE MASSIVE PULMONARY-EMBOLISM; PROVED PULMONARY-EMBOLISM	16	25	6.3
378	SCREENING; THYROID-DISEASE; SUBCLINICAL HYPOTHYROIDISM; PATIENTS; HYPERTHYROIDISM	16	25	6.3
989	SMALL-CELL LUNG-CANCER; LIMITED-STAGE SMALL-CELL LUNG-CANCER; PATIENTS; RANDOMIZED STUDY; LIMITED SMALL-CELL LUNG-CANCER	16	25	6.3
98	EFFECTS; N-3 POLYUNSATURATED FATTY-ACIDS; EFFECT; DIETARY FISH OIL; CYTOKINE PRODUCTION	16	19	6.3
853	PUBLICATION BIAS; PUBLICATION; REPORTING; FULL PUBLICATION; CLINICAL-TRIALS	16	19	6.3
850	ATOPIC-DERMATITIS; PATIENTS; SKIN; ATOPIC-DERMATITIS PATIENTS; ATOPIC-DERMATITIS EVIDENCE	16	12	6.3
266	BANCROFTIAN FILARIASIS; LYMPHATIC FILARIASIS; LYMPHATIC FILARIASIS INFECTION; HUMAN BANCROFTIAN FILARIASIS; EFFICACY	15	47	20.0
592	SOFT-TISSUE SARCOMA; ADULT SOFT-TISSUE SARCOMA; SARCOMA; PROGNOSTIC FACTORS; EXTREMITY SOFT-TISSUE SARCOMA	15	33	13.3
969	AORTIC GRAFT INFECTION; INSITU REPLACEMENT; IN-SITU REPLACEMENT; TREATMENT; INFECTED ABDOMINAL AORTIC GRAFT	15	20	13.3
1776	PSORIASIS; TREATMENT; PLAQUE PSORIASIS; PSORIASIS COMPARISONS; PSORIASIS CONSENSUS CONFERENCE	15	73	6.7
1401	TUBERCULOSIS; ACTIVE TUBERCULOSIS; HIV-INFECTION; PERSONS; HIV-ASSOCIATED TUBERCULOSIS	15	60	6.7
1020	HOMOZYGOUS ALPHA-THALASSEMIA-1; MOLECULAR CHARACTERIZATION; INDIAN SUBCONTINENT; BETA-THALASSEMIA; PREGNANCIES AFFECTED	15	40	6.7
799	HYDROXYUREA; HYDROXYUREA THERAPY; HYDROXYUREA DERMOPATHY; WITHOUT HYDROXYUREA; HYDROXYUREA AMONG PATIENTS	15	40	6.7
1534	METHICILLIN RESISTANCE; DETECTION; STAPHYLOCOCCUS-AUREUS; STAPHYLOCOCCI; METHICILLIN-RESISTANT STAPHYLOCOCCI	15	40	6.7
1489	RHEUMATOID-ARTHRITIS; TUMOR-NECROSIS-FACTOR-ALPHA; TREATMENT; INTERLEUKIN-1 TUMOR-NECROSIS-FACTOR-ALPHA; RHEUMATOID-ARTHRITIS RECEIVING METHOTREXATE	15	40	6.7
1099	EPILEPSY; INCIDENCE; NATIONAL GENERAL-PRACTICE STUDY; POPULATION-BASED STUDY; PROSPECTIVE POPULATION-BASED STUDY	15	33	6.7
418	BREAST-CANCER; POSTOPERATIVE RADIOTHERAPY; RADIOTHERAPY; BREAST-CANCER RESULTS; TREATMENT	15	13	6.7
504	CHRONIC GRANULOMATOUS-DISEASE; ACTIVATION; MICROBICIDAL OXIDASE; OXIDASE PROTEINS; CYTOSOLIC OXIDASE COMPONENTS	15	13	6.7
271	BACTERIAL-MENINGITIS; CHILDREN; CEPHALOSPORIN-RESISTANT PNEUMOCOCCAL MENINGITIS; HEARING-LOSS; EXPERIMENTAL PENICILLIN-RESISTANT	15	7	6.7
107	REVISION TOTAL HIP-ARTHROPLASTY; TOTAL HIP-REPLACEMENT; FEMORAL COMPONENT; USE; PROXIMAL FEMORAL ALLOGRAFTS	15	7	6.7
686	**DOGS; NECROTIZING MENINGOENCEPHALITIS; PUG DOGS; 50 DOGS; MALTESE DOGS**	**14**	**21**	**21.4**
1502	MILD IODINE DEFICIENCY; IODINE DEFICIENCY; IODINE INTAKE; IODINE NUTRITION; URINARY IODINE	14	36	14.3
240	WOMEN; SLEEP; PREMENSTRUAL DYSPHORIA; MENSTRUAL-CYCLE; TREATMENT	14	29	14.3
1977	INTERLEUKIN-4; INDUCTION; IGE; EXPRESSION; MOUSE MODEL	14	79	7.1

Nr.	Forschungsfront	K	I	CH%
1282	SAPHENOUS-VEIN; ENDOSCOPIC SAPHENOUS-VEIN HARVESTING; SAPHENOUS-VEIN BYPASS GRAFTS; INSITU SAPHENOUS-VEIN BYPASS TECHNIQUE; VIDEO-ASSISTED SAPHENOUS-VEIN HARVEST	14	64	7.1
1067	GENE; GLYCOGEN-STORAGE-DISEASE; MUTATIONS; GLYCOGEN-STORAGE-DISEASE TYPE IB GENE; GLYCOGEN-STORAGE-DISEASE TYPE-1A	14	50	7.1
1740	FANCONI-ANEMIA; FANCONI-ANEMIA PROTEINS FAA; FANCONI-ANEMIA PATIENTS; FANCONI-ANEMIA IMPLICATIONS; EVIDENCE	14	43	7.1
1690	TESTOSTERONE; EFFECTS; TESTOSTERONE REPLACEMENT; EXOGENOUS TESTOSTERONE; TESTOSTERONE BUCICLATE	14	43	7.1
882	CYCLOPHOSPHAMIDE; PHARMACOKINETICS; IFOSFAMIDE; METABOLISM; HUMAN LIVER-MICROSOMES	14	36	7.1
1561	CATALYZED REPORTER DEPOSITION; BIOTIN AMPLIFICATION; SIGNAL AMPLIFICATION APPLICATION; NOVEL METHOD; RETRIEVAL	14	29	7.1
102	SODIUM HYALURONATE; EFFECT; CONCENTRATION; HYALURONATE; SERUM	14	21	7.1
1167	BLUNT SPLENIC TRAUMA; MANAGEMENT; NONOPERATIVE MANAGEMENT; BLUNT TRAUMA; RUPTURED SPLEEN	14	14	7.1
1235	PARKINSONS-DISEASE; DOPAMINE; DOPAMINE TRANSPORTERS; PATIENTS; POSITRON EMISSION TOMOGRAPHY	14	14	7.1
9	**IDIOPATHIC HYPEREOSINOPHILIC SYNDROME; HYPEREOSINOPHILIC SYNDROME; APOPTOSIS; EXPANSION; INTERLEUKIN-5**	**13**	**54**	**30.8**
2012	BREAST-CANCER; PATIENTS; BONE METASTASES; PAMIDRONATE; BONE	13	69	15.4
1319	ANGIO-EDEMA; ANGIOEDEMA ASSOCIATED; ANGIOEDEMA; ANGIOTENSIN-CONVERTING ENZYME-INHIBITORS; ANGIOTENSIN-CONVERTING ENZYME INHIBITOR-ASSOCIATED ANGIOEDEMA	13	54	15.4
535	CONFOCAL MICROSCOPY; DIAGNOSIS; IN-VIVO CONFOCAL MICROSCOPY; CONFOCAL MICROSCOPY INTO; CONFOCAL MICROSCOPE	13	38	15.4
207	BONE-MARROW TRANSPLANTATION; TREATMENT; AUTOIMMUNE-DISEASES; RHEUMATOID-ARTHRITIS; AUTOLOGOUS BONE-MARROW TRANSPLANTATION	13	62	7.7
1087	CENTRAL CORNEAL THICKNESS; CORNEAL THICKNESS; GOLDMANN APPLANATION TONOMETER; INTRAOCULAR-PRESSURE; EFFECT	13	54	7.7
1415	METASTATIC MELANOMA; TREATMENT; HIGH-RISK RESECTED CUTANEOUS MELANOMA; PATIENTS; METASTATIC MALIGNANT-MELANOMA	13	54	7.7
1287	NUMBER NEEDED; TREAT; METHOD; INFLUENCE; SYSTEMATIC REVIEWS	13	38	7.7
1176	STAGING; HELICAL CT; PANCREATIC; CT ANGIOGRAPHY; SPIRAL CT	13	38	7.7
834	ACUTE DISSEMINATED ENCEPHALOMYELITIS; FULMINANT ACUTE DISSEMINATED ENCEPHALOMYELITIS; RECURRENT ACUTE DISSEMINATED ENCEPHALOMYELITIS; ACUTE DISSEMINATED ENCEPHALOMYELITIS MRI FINDINGS; ACUTE ENCEPHALITIS	13	31	7.7
1285	MALIGNANT HYPERTHERMIA; EFFECT; MALIGNANT HYPERTHERMIA FOLLOWING; GENOTYPE; PREDICT MALIGNANT HYPERTHERMIA SUSCEPTIBILITY	13	31	7.7
722	DETECTION; ADENOVIRUS; ADENOVIRUSES; ADENOVIRUS TYPE-3; ADENOVIRUS TYPE-2	13	23	7.7
767	BUDD-CHIARI SYNDROME; TREATMENT; BUDD-CHIARI SYNDROME CAUSED; BUDD-CHIARI SYNDROME TECHNICAL HEMODYNAMIC; BUDD-CHIARI SYNDROME DYNAMIC CT	13	15	7.7
1592	THYROID-CANCER AFTER CHERNOBYL; THYROID-CANCER; THYROID-CANCER AFTER EXPOSURE; BYELARUS AFTER; PEDIATRIC THYROID-CANCER AFTER	13	15	7.7
1197	ELDERLY; ELDERLY PATIENTS; ELDERLY PEOPLE; PRESCRIBING; ADVERSE DRUG-REACTIONS	13	8	7.7
640	**TUBERCULOSIS; DRUG-RESISTANT TUBERCULOSIS; TUBERCULOSIS TRENDS; PULMONARY TUBERCULOSIS; ENGLAND**	**12**	**50**	**25.0**

Nr.	Forschungsfront	K	I	CH%
1491	INTRAVENOUS IMMUNOGLOBULIN; HIGH-DOSE INTRAVENOUS IMMUNOGLOBULIN; INTRAVENOUS IMMUNOGLOBULIN THERAPY; SYSTEMIC LUPUS-ERYTHEMATOSUS; HIGH-DOSE INTRAVENOUS IMMUNOGLOBULIN REPORT	12	17	16.7
783	HETEROCYCLIC AMINES; COOKED FOODS; EFFECT; COOKED FOOD; COOKING TEMPERATURE	12	8	16.7
55	X-INACTIVATION; PLATELETS; X-CHROMOSOME; X-CHROMOSOME INACTIVATION; X-INACTIVATION SKEWING	12	67	8.3
1757	MUTATION ANALYSIS; IDENTIFICATION; ANALYSIS; CHEDIAK-HIGASHI-SYNDROME; HPS GENE	12	50	8.3
1845	PATIENTS; HEART-FAILURE; VITAMIN-C IMPROVES ENDOTHELIUM-DEPENDENT VASODILATION; CHRONIC HEART-FAILURE; ENDOTHELIAL DYSFUNCTION	12	50	8.3
1544	PREVALENCE; ATOPY; ASTHMA; EAST-GERMANY; ROLE	12	50	8.3
618	ACUPUNCTURE; CHRONIC PAIN; PAIN; PERCUTANEOUS ELECTRICAL NERVE-STIMULATION; BACK PAIN	12	42	8.3
786	ADVANCED GASTRIC-CANCER; CISPLATIN; PHASE-II STUDY; TREATMENT; GASTRIC-CANCER	12	25	8.3
1693	HIRUDIN; HEPARIN; ACUTE MYOCARDIAL-INFARCTION RESULTS; THROMBOLYSIS; ACUTE MYOCARDIAL-INFARCTION	12	25	8.3
510	NORMOTENSIVE; NORMOTENSIVE RATS; RATS; HYPERTENSIVE RATS; ENDOTHELIAL PROSTAGLANDINS	12	25	8.3
675	CARDIAC-OUTPUT ESTIMATION; CARDIAC-OUTPUT DEPENDENCE; CONTINUOUS NONINVASIVE CARDIAC-OUTPUT; CONTINUOUS CARDIAC-OUTPUT MONITORING; GE<< CARDIAC-OUTPUT MEASUREMENT	12	17	8.3
606	CHARACTERIZATION; TECHNETIUM-99M ECD; TECHNETIUM-99M L,L-ECD; BRAIN IMAGING; TECHNETIUM-99M D,1-HM-PAO	12	17	8.3
425	Q-FEVER; Q-FEVER ENDOCARDITIS; HUMAN Q-FEVER; CHRONIC Q-FEVER PATIENTS; Q-FEVER CURRENT CONCEPTS	12	17	8.3
1051	CERVICAL-SPINE; CERVICAL TRAUMA; ANTERIOR CERVICAL FUSION; POSTERIOR CERVICAL PLATING; CERVICAL STABILIZATION SYSTEMS	12	8	8.3
1210	NEW ANTIPSYCHOTIC; CLOZAPINE-INDUCED AGRANULOCYTOSIS; RISPERIDONE; ATYPICAL ANTIPSYCHOTIC PROFILE; CLOZAPINE-INDUCED AGRANULOCYTOSIS NON-CROSS-REACTIVITY	12	8	8.3
85	SILICONE OIL; MANAGEMENT; PROLIFERATIVE VITREORETINOPATHY; SILICONE OIL TAMPONADE; TEMPORARY SILICONE OIL TAMPONADE	12	0	8.3
1994	HEPATITIS-C VIRUS; CHRONIC HEPATITIS-C; CHRONIC HEPATITIS-C INFECTION; DIFFERENT HEPATITIS-C VIRUS-ANTIGENS; HEPATITIS-C VIRUS CHRONICITY	11	55	18.2
1062	QUALITY-OF-LIFE; INDIVIDUAL QUALITY-OF-LIFE; QUALITY-OF-LIFE MEASUREMENTS; QUALITY-OF-LIFE OUTCOMES; CLINICAL-TRIALS	11	36	18.2
1676	CYTOKINES; FLOW-CYTOMETRY; DETECTION; INTERFERON-GAMMA; INTRACELLULAR CYTOKINE SYNTHESIS	11	27	18.2
1200	HANDWASHING; INTENSIVE-CARE UNITS; ROLE; NOSOCOMIAL INFECTIONS; CAUSAL LINK BETWEEN HANDWASHING	11	27	18.2
1674	CYTOTOXICITY; IN-VITRO CYTOTOXICITY; COMPONENTS; DENTAL ALLOYS; CYTOTOXIC EFFECTS	11	18	18.2
720	LUMBAR SPINE; SPINAL FRACTURES; STABILIZATION; LOWER THORACIC; FRACTURES	11	0	18.2
781	CONGENITAL ERYTHROPOIETIC PORPHYRIA; ERYTHROPOIETIC PROTOPORPHYRIA; PROTOPORPHYRIA; HUMAN HEPATIC PORPHYRIA; ACCUMULATION	11	55	9.1
367	INTRACRANIAL GERM-CELL TUMORS; PRIMARY INTRACRANIAL GERM-CELL TUMORS; INTRACRANIAL GERM-CELL TUMORS EFFECTIVENESS; INTRACRANIAL GERM-CELL TUMORS NATURAL-HISTORY; INTRACRANIAL GERMINOMA	11	36	9.1
1208	ASSESSMENT; DYNAMIC IMAGING; DYNAMIC CONTRAST-ENHANCED MR IMAGING; CEREBRAL BLOOD-FLOW ASSESSMENT; HIGH-RESOLUTION MEASUREMENT	11	27	9.1

Nr.	Forschungsfront	K	I	CH%
1821	PATIENTS; THALASSEMIA MAJOR; IRON-CHELATION THERAPY; THALASSEMIA; IRON OVERLOAD	11	27	9.1
732	RETT-SYNDROME; RETT SYNDROME; RETT-SYNDROME CLINICAL PECULIARITIES; RETT-SYNDROME OVERVIEW 1994; RETT VARIANTS	11	27	9.1
1604	INTACT VENTRICULAR SEPTUM; BALLOON DILATION; LONG-TERM RESULTS AFTER BALLOON PULMONARY VALVULOPLASTY; PULMONARY ATRESIA; BALLOON PULMONARY VALVULOPLASTY RESULTS	11	18	9.1
676	RATS; MAN-MADE VITREOUS FIBERS; COHORT; INHALATION; MAN-MADE VITREOUS %MINERAL< FIBERS	11	18	9.1
1083	SPINAL EPIDURAL HEMATOMA; EPIDURAL HEMATOMA; SPINAL EPIDURAL HEMATOMA REPORT; SPONTANEOUS SPINAL EPIDURAL HEMATOMA; NONTRAUMATIC SPINAL EPIDURAL	11	18	9.1
474	AEROMONAS; AEROMONAS SPP; GENUS AEROMONAS; AEROMONAS STRAINS; MOTILE AEROMONAS SPECIES	11	9	9.1
333	**HEPATITIS-A; TRAVELERS; EPIDEMIOLOGY; TRAVELERS DIARRHEA; BOIL IT COOK IT PEEL IT OR FORGET IT**	**10**	**0**	**50.0**
1556	**RENAL-TRANSPLANTATION; RANDOMIZED PROSPECTIVE TRIAL; INTERLEUKIN-2 RECEPTOR; RANDOMIZED TRIAL; INTERLEUKIN-2 RECEPTOR MONOCLONAL-ANTIBODY**	**10**	**60**	**40.0**
856	**CERVICAL-SPINE; UPPER CERVICAL-SPINE; ROTATORY INSTABILITY; CERVICAL-SPINE FLEXION EXTENSION; CT-FUNCTIONAL DIAGNOSTICS**	**10**	**10**	**40.0**
411	**FRACTURES; COMMINUTED FRACTURES; TIBIAL FRACTURES; EXPERIMENTAL TIBIAL FRACTURES; DISTAL FEMORAL FRACTURES**	**10**	**20**	**30.0**
939	**CEREBELLAR INFARCTION; CEREBELLAR INFARCTS; CLINICOPATHOLOGICAL STUDY; CEREBELLAR INFARCTION CLINICAL; TERRITORY**	**10**	**0**	**30.0**
760	**HUMAN MAST-CELLS; HUMAN MAST-CELL; HUMAN DERMAL MAST-CELLS CONTAIN; HUMAN MAST-CELLS PRODUCE IL-8; NORMAL**	**10**	**0**	**30.0**
112	PRIMARY HIV-INFECTION; INFECTION; PRIMARY HUMAN-IMMUNODEFICIENCY-VIRUS INFECTION; PRIMARY HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 INFECTION; PATIENTS	10	50	20.0
2031	DRUG-RESISTANT TUBERCULOSIS; MULTIDRUG-RESISTANT TUBERCULOSIS; DRUG-RESISTANT TUBERCULOSIS REVIEW; PULMONARY TUBERCULOSIS RESISTANT; TUBERCULOSIS COMMON ERRORS	10	40	20.0
876	MICE; MICE OVEREXPRESSING; GENE-TARGETED MICE; TRANSGENIC MICE OVEREXPRESSING; BETA-ADRENERGIC-RECEPTOR KINASE	10	40	20.0
1026	RETINOIDS; THERAPY; RETINOIC ACID; 13-CIS-RETINOIC ACID; APOPTOSIS IMPLICATIONS	10	10	20.0
1782	ANALYSIS; RAPID ANALYSIS; SELECTED-ION MONITORING; MICELLAR ELECTROKINETIC CAPILLARY CHROMATOGRAPHY; SOLID-PHASE MICROEXTRACTION	10	90	10.0
1860	IN-VITRO FERTILIZATION; RECOMBINANT FOLLICLE-STIMULATING-HORMONE %FSH<; RECOMBINANT FOLLICLE-STIMULATING-HORMONE %PUREGON<; URINARY FSH; POLYCYSTIC-OVARY-SYNDROME	10	80	10.0
1468	HELICOBACTER SPECIES; HUMANS; HELICOBACTER-PYLORI GASTRITIS; HELICOBACTER-PYLORI; PREVALENCE	10	50	10.0
816	NONOPERATIVE MANAGEMENT; MANAGEMENT; BLUNT HEPATIC INJURIES; HEPATIC HEMORRHAGE; COMPLEX HEPATIC INJURIES	10	50	10.0
566	CADASIL; LEUKOENCEPHALOPATHY; SUBCORTICAL INFARCTS; CADASIL CLINICAL FINDINGS; CADASIL CEREBRAL AUTOSOMAL-DOMINANT ARTERIOPATHY	10	40	10.0
1080	EXTENDED-SPECTRUM BETA-LACTAMASES; BETA-LACTAMASES; OUTBREAK; SHV BETA-LACTAMASES; HOSPITAL OUTBREAK	10	40	10.0
1272	DIET; CAPSAICIN; GASTRIC-CANCER; CASE-CONTROL STUDY; HELICOBACTER-PYLORI	10	30	10.0

Nr.	Forschungsfront	K	I	CH%
980	PARKINSONS-DISEASE; SURVIVAL; PATIENTS; TRANSPLANTATION; INTRACTABLE PARKINSONS-DISEASE	10	30	10.0
1472	CLINICAL; DEMENTIA; LEWY BODY DEMENTIA; SENILE DEMENTIA; LEWY BODY TYPE	10	20	10.0
1484	LEPROSY; NERVE DAMAGE; LEPROSY USING; LEPROSY PATIENTS TREATED; PATIENTS	10	20	10.0
795	THYROTROPIN RECEPTOR; THYROTROPIN; GROWTH; HUMAN THYROTROPIN RECEPTOR; SOMATIC MUTATIONS	10	20	10.0
64	ASSESSMENT; RESPIRATORY MUSCLE STRENGTH; ELECTRICAL PHRENIC-NERVE STIMULATION; BILATERAL PHRENIC-NERVE STIMULATION; MAXIMAL INSPIRATORY PRESSURE	10	10	10.0
865	CARBOHYDRATE-DEFICIENT TRANSFERRIN; ALCOHOL-CONSUMPTION; SERUM; SERUM CARBOHYDRATE-DEFICIENT TRANSFERRIN; CARBOHYDRATE-DEFICIENT TRANSFERRIN GAMMA-GLUTAMYL-TRANSFERASE	10	10	10.0
2158	**WHIPLASH INJURY; LATE WHIPLASH SYNDROME; WHIPLASH ASSOCIATED DISORDERS REDEFINING WHIPLASH; SIGNS AFTER WHIPLASH INJURY; LATE WHIPLASH SYNDROME OUTSIDE**	**9**	**56**	**33.3**
1888	**EVOLUTION; P53 GENE; ALTERATIONS; PROGRESSION; HUMAN BRAIN-TUMORS**	**9**	**22**	**33.3**
1214	**UNIPARENTAL DISOMY; UNIPARENTAL DISOMY-7; TRISOMY; FETAL UNIPARENTAL DISOMY HIGH-LEVELS; MATERNAL UNIPARENTAL DISOMY-7**	**9**	**22**	**33.3**
1082	**ATOPIC-DERMATITIS; TOPICAL; TOPICAL FK506; TOPICAL TREATMENT; FK506**	**9**	**67**	**22.2**
659	**OCCIPITOCERVICAL FUSION; SCREW FIXATION; POSTERIOR OCCIPITOCERVICAL FUSION; OCCIPITOCERVICAL INSTRUMENTATION; SEGMENTAL FIXATION**	**9**	**22**	**22.2**
1637	POSTMENOPAUSAL WOMEN; BREAST-CANCER; ADVANCED BREAST-CANCER; WOMEN; ADVANCED BREAST-CANCER RESULTS	9	67	11.1
2013	CYCLOSPORINE; ELECTIVE CYCLOSPORINE WITHDRAWAL AFTER RENAL-TRANSPLANTATION; IMMUNOSUPPRESSION AFTER CADAVERIC RENAL-TRANSPLANTATION; TACROLIMUS %FK506<; MYCOPHENOLATE MOFETIL-TREATED RENAL-ALLOGRAFT RECIPIENTS	9	56	11.1
2213	LOCALIZED PROSTATE-CANCER; EARLY-STAGE PROSTATE-CANCER BEFORE RADICAL PROSTATECTOMY; PATIENTS; NEOADJUVANT ANDROGEN WITHDRAWAL THERAPY BEFORE RADICAL PROSTATECTOMY; RADIATION-THERAPY ALONE	9	56	11.1
2056	PATIENTS COINFECTED; HEPATITIS-C VIREMIA; HUMAN-IMMUNODEFICIENCY-VIRUS; HIV; HEPATITIS-C VIRUS-REPLICATION	9	56	11.1
2169	DOCETAXEL; PHASE-II TRIAL; PATIENTS; PHASE-I TRIAL; PHASE-II STUDY	9	33	11.1
1512	AFTER UNILATERAL VESTIBULAR NEURECTOMY; SUBJECTIVE VISUAL VERTICAL; OCULAR TORSION; VESTIBULAR FUNCTION; VESTIBULAR NERVE	9	22	11.1
1540	CHAGAS-DISEASE; TRYPANOSOMA-CRUZI; UNITED-STATES; TRYPANOSOMA-CRUZI INFECTION; TRYPANOSOMA-CRUZI AMONG BLOOD-DONORS	9	22	11.1
1096	EFFECTS; PATIENTS; PRESCRIPTION DRUGS UNDER MEDICAID EFFECTS; LIMITING MEDICAID DRUG-REIMBURSEMENT BENEFITS; DECISION-MAKING ABOUT PRESCRIPTION MEDICATIONS	9	22	11.1
607	HILAR CHOLANGIOCARCINOMA; RESECTION; HILAR CARCINOMA; HILAR BILE-DUCT CANCER; CARCINOMA	9	22	11.1
1175	HUMAN HEART; ANGIOTENSIN; ANGIOTENSIN II-FORMING PATHWAYS; CHYMASE; HEART	9	22	11.1
363	PROPHYLACTIC TREATMENT; CHILDREN; PROPHYLAXIS; HEMOPHILIA; SEVERE HEMOPHILIA	9	22	11.1
698	NICORANDIL; PHARMACOLOGY; THERAPEUTIC EFFICACY; CROMAKALIM NICORANDIL; THERAPEUTIC EFFECTS	9	11	11.1

Nr.	Forschungsfront	K	I	CH%
424	BLACK-PIGMENTED BACTEROIDES SPECIES; HUMAN INFECTIONS; ROOT-CANAL INFECTIONS; OTHER BLACK-PIGMENTED BACTEROIDES SPECIES; ROOT CANALS	9	0	11.1
66	RECTAL-CANCER; PREOPERATIVE STAGING; ENDORECTAL ULTRASONOGRAPHY; ASSESSMENT; RECTAL TUMORS	9	0	11.1
1811	**HISTOMORPHOMETRIC; EFFECT; TITANIUM IMPLANTS; TITANIUM SURFACE-ROUGHNESS; TIO2-BLASTED TITANIUM IMPLANTS**	**8**	**25**	**50.0**
2034	**INTRAVASCULAR MAGNETIC-RESONANCE-IMAGING USING; MR-IMAGING; VISUALIZATION; INTRAVASCULAR MR TRACKING CATHETER PRELIMINARY EXPERIMENTAL EVALUATION; INVASIVE DEVICES USING MAGNETIC-RESONANCE**	**8**	**50**	**37.5**
932	**TREATMENT; OSTEOMYELITIS; BACTERIAL OSTEOMYELITIS; ACUTE OSTEOMYELITIS; CHRONIC OSTEOMYELITIS**	**8**	**62**	**25.0**
776	**ISOLATED NONCOMPACTION; MYOCARDIUM; 3-METHYLGLUTACONIC ACIDURIA; LEFT-VENTRICULAR MYOCARDIUM; VENTRICULAR MYOCARDIUM**	**8**	**50**	**25.0**
1628	**CIPROFLOXACIN; SAFETY; USE; COMPASSIONATE USE SAFETY REPORT; PEDIATRICS WORLDWIDE CLINICAL-EXPERIENCE BASED**	**8**	**38**	**25.0**
750	**ALKALOIDAL COCAINE; BENZODIAZEPINE RECEPTORS; BRAIN BENZODIAZEPINE RECEPTOR CHANGES; TRANSIENT CEREBRAL ISCHEMIC ATTACKS; CEREBRAL VASCULAR PATTERN THAT PREDICT VULNERABILITY**	**8**	**12**	**25.0**
209	**AMINOPEPTIDASE ACTIVITY; HUMAN PUROMYCIN-SENSITIVE AMINOPEPTIDASE; AMINOPEPTIDASE-N IS; ENKEPHALIN-DEGRADING AMINOPEPTIDASE; PUROMYCIN-SENSITIVE AMINOPEPTIDASE SEQUENCE-ANALYSIS EXPRESSION**	**8**	**12**	**25.0**
1163	**BRAIN; MR IMAGES; 3D DUAL-ECHO MR HEAD DATA; 3D RECONSTRUCTION; 3-DIMENSIONAL SEGMENTATION**	**8**	**12**	**25.0**
1304	**HUMAN EOSINOPHILS; RANTES; RANTES IS; CYTOKINE RANTES; CYTOKINE RANTES RELEASED**	**8**	**0**	**25.0**
1533	**ONCHOCERCIASIS; ONCHOCERCIASIS CONTROL; ONCHOCERCIASIS CONTROL PROGRAM; OCULAR ONCHOCERCIASIS; ONCHOCERCIASIS USING**	**8**	**0**	**25.0**
284	**PROXIMAL HUMERAL FRACTURES; HUMERAL SHAFT FRACTURES; HUMERAL SHAFT FRACTURES EXPERIENCE; 4-PART FRACTURES; PLATING HUMERAL SHAFT FRACTURES**	**8**	**0**	**25.0**
2020	ONTARIO; UNITED-STATES; USE; PSYCHOLOGICAL DISORDERS	8	88	12.5
1999	ENGLAND; COMMUNITY PHARMACIES; WALES; ORAL METHADONE; FATAL METHADONE OVERDOSE	8	62	12.5
1565	CAPSULORHEXIS; CAPSULORHEXIS SIZE AFTER IMPLANTATION; INTRAOCULAR-LENS IMPLANTATION; CAPSULAR OPENING CONTRACTION AFTER CONTINUOUS CURVILINEAR CAPSULORHEXIS; ANTERIOR CAPSULAR OPENING FOLLOWING INTACT CAPSULORHEXIS	8	50	12.5
891	MR-GUIDED BIOPSY; MR-GUIDED ASPIRATION BIOPSY NEEDLE DESIGN; INTERACTIVE MR-GUIDED BIOPSY; MR-GUIDED ASPIRATION CYTOLOGY; OPEN-CONFIGURATION MR-IMAGING SYSTEM	8	50	12.5
139	RISK; DIETARY FIBER GLYCEMIC LOAD; CORONARY HEART-DISEASE; FIBER; DIETARY FIBER	8	50	12.5
1033	SYSTEMIC LUPUS-ERYTHEMATOSUS; DEVELOPING SYSTEMIC LUPUS-ERYTHEMATOSUS; SYSTEMIC LUPUS-ERYTHEMATOSUS ASSOCIATION; SYSTEMIC LUPUS-ERYTHEMATOSUS SIDE-EFFECTS; PROLACTIN	8	38	12.5
501	ANALYSIS; NA-23 DOUBLE-QUANTUM-FILTERED NMR; NEW PROBE; NA-23; DOUBLE-QUANTUM-FILTERED NMR-SPECTRA	8	25	12.5
852	PATIENTS; HEART-FAILURE; CHRONIC HEART-FAILURE; SEVERE CHRONIC HEART-FAILURE; EFFECT	8	25	12.5
1797	PET; DETECTION; PANCREATIC-CANCER; PET STUDY; F-18 FLUORODEOXYGLUCOSE PET IN-VIVO EVALUATION	8	25	12.5

Nr.	Forschungsfront	K	I	CH%
1022	BIPLANE ANGIOGRAMS; DIFFUSE CORONARY-ARTERY DISEASE; BIPLANE ANGIOGRAPHY; BIPLANE VIEWS; 2 BIPLANE VIEWS	8	12	12.5
1596	CHRONICITY; OUTCOME; LOW-BACK-PAIN; PREDICTORS; PSYCHOSOCIAL PREDICTORS	8	12	12.5
998	INJURIES; RUNNING INJURIES; INJURIES ASSOCIATED; EPIDEMIOLOGY; RUNNING-RELATED INJURIES	8	0	12.5
2293	CHEMOKINE ANTAGONIST; CHEMOKINE RECEPTOR CXCR4; HIV-1 INFECTIVITY; HIV-1 CORECEPTOR; HIV INFECTIVITY	7	100	57.1
2339	DISEASE STUDY; RISK-FACTORS GLOBAL BURDEN; DISABILITY; GLOBAL MORTALITY DISABILITY; DISABILITY ADJUSTED LIFE EXPECTANCY GLOBAL BURDEN	7	100	57.1
1554	NF-KAPPA-B; REQUIREMENT; TUMOR NECROSIS FACTOR-ALPHA GENE; TUMOR NECROSIS FACTOR-ALPHA TRANSCRIPTION; ACUTE LUNG INFLAMMATORY INJURY	7	43	57.1
1350	OSSEOINTEGRATED IMPLANTS; PATIENTS; OSSEOINTEGRATED ORAL IMPLANTS; OSSEOINTEGRATED TITANIUM IMPLANTS; PERIODONTITIS	7	29	42.9
581	CANCER; ORAL; ORAL CAVITY; PHARYNGEAL CANCER; SMOKING	7	0	42.9
881	ANALYSIS; NORPLANT%R< IMPLANTS; REVIEW; MENSTRUAL BLEEDING PATTERNS; REVIEW %REPRINTED	7	29	28.6
1152	TRACHOMA; TREATMENT; SINGLE-DOSE AZITHROMYCIN; ORAL AZITHROMYCIN; CONTROLLED TRIAL	7	29	28.6
1850	HAEMOPHILUS-INFLUENZAE TYPE-B; CARRIAGE; CONJUGATE VACCINES; HAEMOPHILUS-INFLUENZAE TYPE-B VACCINATION; HAEMOPHILUS-INFLUENZAE TYPE-B %HIB<	7	57	14.3
484	HOSPITAL CONTROLS; ATTRIBUTABLE RISK; CANCER RISK; CASE-CONTROL STUDIES; CANCER STUDIES	7	57	14.3
1993	PREVALENCE; RESTORATIVE TREATMENT; TREATMENT DECISION-MAKING; RESTORATIVE TREATMENT THRESHOLDS; DENTISTS CLINICAL DECISIONS	7	57	14.3
1338	3-HYDROXYKYNURENINE; PROTEINS; LENS PROTEINS RELEVANCE; LENS OPACITIES; LENS PROTEINS EVIDENCE SUPPORTING	7	43	14.3
1765	ELDERLY; VITAMIN-D DEFICIENCY; VITAMIN-D INSUFFICIENCY; SUBCLINICAL VITAMIN-D DEFICIENCY; SERUM VITAMIN-D CONCENTRATIONS AMONG ELDERLY PEOPLE	7	29	14.3
1140	JOUBERT SYNDROME; DANDY-WALKER SYNDROME; JOUBERT-SYNDROME; JOUBERT-SYNDROME REVISITED KEY OCULAR MOTOR SIGNS; POSTERIOR-FOSSA MALFORMATIONS	7	29	14.3
1487	PATIENTS; DETECTION; SPINAL METASTASES; SKELETAL KINETICS; PET	7	29	14.3
1162	QUALITY-OF-LIFE AFTER GASTRECTOMY; RECONSTRUCTION; RECONSTRUCTION AFTER GASTRECTOMY; POUCH VOLUME AFTER TOTAL GASTRECTOMY; JEJUNAL POUCH RECONSTRUCTION AFTER TOTAL GASTRECTOMY	7	29	14.3
1761	RETRIEVAL; SUCCESSFUL RETRIEVAL; RETRIEVAL TECHNIQUES; BALLOON-MOUNTED STENTS SUCCESSFUL RETRIEVAL; UNDEPLOYED INTRACORONARY PALMAZ-SCHATZ STENTS	7	29	14.3
725	CONGENITAL ABSENCE; PORTAL-VEIN; PATENT DUCTUS VENOSUS PROBLEMS; DUCTUS VENOSUS ARANTII; PORTOSYSTEMIC ENCEPHALOPATHY DUE	7	14	14.3
1589	CORONARY-ARTERY DISEASE; MAGNETIC-RESONANCE-IMAGING DURING DOBUTAMINE STRESS; PATIENTS; CHRONIC CORONARY-ARTERY DISEASE; CORONARY-ARTERY DISEASE QUANTITATIVE WALL-MOTION ANALYSIS USING	7	14	14.3
1538	LARYNGOTRACHEAL STENOSIS; PEDIATRIC LARYNGOTRACHEAL RECONSTRUCTION; SUBGLOTTIC STENOSIS; SUBGLOTTIC STENOSIS BASED; CHILDREN	7	14	14.3
1443	NORTHERN MALAWI; TUBERCULOSIS; TUBERCULOSIS PROBLEM; BCG VACCINE AGAINST LEPROSY; DISTRICT TUBERCULOSIS PROGRAM	7	14	14.3

Nr.	Forschungsfront	K	I	CH%
1879	PROTON; TREATMENT; PROTON TREATMENT CENTER; DESIGN; CANCER USING PROTON	7	14	14.3
815	TYPHOID-FEVER; SALMONELLA-TYPHI; SALMONELLA-TYPHI INFECTION; MULTIDRUG-RESISTANT SALMONELLA-TYPHI; VI-CAPSULAR POLYSACCHARIDE VACCINE AGAINST TYPHOID-FEVER	7	14	14.3
2117	CONTRAST-ENHANCED DYNAMIC MR-IMAGING; DYNAMIC CT; DYNAMIC CONTRAST MATERIAL-ENHANCED MR-IMAGING; HEPATIC HEMANGIOMAS; DYNAMIC BREATH-HOLD MULTIPLANAR SPOILED GRADIENT-RECALLED MR-IMAGING	7	0	14.3
782	CYSTIC-FIBROSIS; INFLAMMATION; CYSTIC-FIBROSIS LUNGS; CYSTIC-FIBROSIS PATIENTS; INFANTS	7	0	14.3
1823	INTERLEAVED ECHO-PLANAR IMAGING; MULTISHOT ECHO-PLANAR IMAGING; HUMAN BRAIN; SPIN-ECHO< IMAGING; ECHO PLANAR IMAGING	7	0	14.3
483	INTERLEUKIN-2; SOLUBLE INTERLEUKIN-2 RECEPTORS; INTERLEUKIN-2 LOCALIZATION; INTERLEUKIN-2 RECEPTOR EXPRESSION; RELEASED INTERLEUKIN-2 RECEPTOR BINDS INTERLEUKIN-2 EFFICIENTLY	7	0	14.3
2127	IQOLA PROJECT; SF-36 HEALTH SURVEY COLLECTED; SF-36 HEALTH SURVEY PRELIMINARY-RESULTS; NATIONAL SURVEY; SWEDISH SF-36 HEALTH SURVEY EVALUATION	7	0	14.3
212	MANDIBULAR FRACTURES; MANDIBULAR ANGLE FRACTURES; ISOLATED MANDIBULAR FRACTURES TREATED; MIDFACE FRACTURES ADVANTAGES; COMPLEX MAXILLARY FRACTURES ROLE	7	0	14.3
1715	MR; MR FINDINGS; PERINATAL ASPHYXIA MR FINDINGS; CEREBRAL-PALSY MR FINDINGS; PERINATAL ASPHYXIA CORRELATION	7	0	14.3
1751	WARM HEART-SURGERY; RETROGRADE CONTINUOUS WARM BLOOD CARDIOPLEGIA; RETROGRADE WARM BLOOD CARDIOPLEGIA MYOCARDIAL BENEFIT; RANDOMIZED CONTROLLED TRIAL; PROSPECTIVE RANDOMIZED TRIAL	7	0	14.3
1865	CANCER MORTALITY; EPIDEMIOLOGY; TRENDS; EUROPE EFFECTS; EUROPE 1955-1989 DIGESTIVE SITES	6	50	100.0
600	COLLAGEN IMPLANT; DEEP SCLERECTOMY RESULTS; EYES AFTER DEEP SCLERECTOMY; EYES UNDERGOING DEEP SCLERECTOMY; WITHOUT COLLAGEN IMPLANT	6	67	50.0
729	DISTENSIBILITY; CAROTID-ARTERY DISTENSIBILITY; CAROTID-ARTERY WALL PROPERTIES; DISTENSIBILITY ARE NOT NECESSARILY REDUCED; PERIPHERAL ARTERIES	6	0	50.0
1856	DETECTION; FISSURE CARIES USING; FISSURE CARIES WITHOUT CAVITATION; DIAGNOSIS; OCCLUSAL CARIES WITHOUT CAVITATION	6	50	33.3
1940	OUTCOME; PATIENTS; INTRAAORTIC BALLOON PUMP; INTRAAORTIC BALLOON PUMPING; 169 INTRAAORTIC BALLOON PUMPS	6	50	33.3
1131	MOLECULAR EPIDEMIOLOGY; POLIOVIRUSES; WILD POLIOVIRUS TYPE-1; POLIOVIRUS ANALYZED; WILD POLIOVIRUS TYPE-1 GENOTYPES	6	17	33.3
253	5 HEALTH-STATUS INSTRUMENTS; LONGER HEALTH-STATUS INSTRUMENTS; COMPARATIVE MEASUREMENT SENSITIVITY; SENSITIVITY; GENERIC HEALTH-STATUS MEASURE	6	0	33.3
127	DIEULAFOYS DISEASE; DIEULAFOYS DISEASE ENDOSCOPIC TREATMENT; ENDOSCOPIC MANAGEMENT; ENDOSCOPIC TREATMENT; DIEULAFOYS LESION DIAGNOSIS	6	0	33.3
1506	FIBROSIS; HUMAN PULMONARY FIBROSIS; SILICA-INDUCED PULMONARY FIBROSIS; PULMONARY RESPONSE; TRANSFORMING GROWTH FACTOR-BETA	6	0	33.3
2015	BLOOD; VARIANT CREUTZFELDT-JAKOB-DISEASE; NEW VARIANT CREUTZFELDT-JAKOB-DISEASE; BLOOD COMPONENTS; TONSIL BIOPSY	6	83	16.7

Nr.	Forschungsfront	K	I	CH%
1550	DIAMOND-BLACKFAN ANEMIA; DIAMOND-BLACKFAN ANEMIA LOCUS; DIAMOND-BLACKFAN ANEMIA NATURAL-HISTORY; TREATMENT; DIAMOND-BLACKFAN ANEMIA ETIOLOGY PATHOPHYSIOLOGY	6	83	16.7
1959	DOPPLER ASSESSMENT; COLOR DOPPLER; INTERVILLOUS CIRCULATION; MATERNAL CIRCULATION; LUTEAL CIRCULATION	6	83	16.7
530	COLLAGEN; COLLAGEN FAIL; MAJOR COLLAGEN RECEPTOR; PLATELET GPIA/IIA; PLATELET RECEPTORS	6	67	16.7
643	CONTACT SYSTEM; CONTACT ACTIVATION; ACTIVATION; SEVERE FXII %HAGEMAN-FACTOR< DEFICIENCY AMONG; CONGENITAL FACTOR-XII DEFICIENCY	6	33	16.7
877	ILIOFEMORAL DEEP VENOUS THROMBOSIS SAFETY; LOWER-EXTREMITY DEEP-VEIN THROMBOSIS; ILIOFEMORAL DEEP VENOUS THROMBOSIS AGGRESSIVE THERAPY; DEEP VENOUS SYSTEM; LOWER-LIMB DEEP-VEIN THROMBOSIS	6	33	16.7
1597	MALIGNANT MESOTHELIOMA; MESOTHELIOMA; BER-EP4; MALIGNANT EFFUSIONS; MALIGNANT MESOTHELIOMAS	6	33	16.7
697	BONE LOSS; FOREARM; BONE MASS EFFECTS; ASSESSING BONE QUANTITY; MECHANICAL	6	17	16.7
1601	CALCIPHYLAXIS; CHRONIC-RENAL-FAILURE; CALCIPHYLAXIS EARLY RECOGNITION; PATIENTS; 3 PATIENTS	6	17	16.7
1079	RELAPSE; STAGE-I; STAGE-I TESTICULAR TERATOMA; STAGE-I TESTICULAR TERATOMA TREATED; PATHOLOGICAL STAGE-II TESTICULAR CANCER	6	17	16.7
962	VALPROIC ACID HEPATIC FATALITIES; VALPROIC ACID HEPATIC FATALITIES US EXPERIENCE SINCE 1984; VALPROIC ACID HEPATIC FATALITIES US EXPERIENCE SINCE 1986; 8 NEW FATALITIES; CARBAMAZEPINE THERAPY	6	17	16.7
1773	B-CELL DEVELOPMENT; B-CELL-DEFICIENT MOUSE; MOUSE VIABILITY; BONE-MARROW; NORMAL MOUSE BONE-MARROW	6	0	16.7
409	GROWTH-HORMONE; INDUCTION; GONADOTROPINS; OVULATION; ADJUVANT GROWTH-HORMONE	6	0	16.7
126	LASER DOPPLER FLOWMETRY; EVALUATION; INTESTINAL BLOOD-FLOW; MUCOSAL BLOOD-FLOW; LASER-DOPPLER H-2 CLEARANCE	6	0	16.7
810	PERIODONTAL-DISEASE; PROGRESSION; PERIODONTAL-DISEASE PROGRESSION; PROBING; TECUMSEH PERIODONTAL-DISEASE STUDY 1959-87	6	0	16.7
1522	SEPSIS; INTERLEUKIN-6; PATIENTS; SEPSIS SYNDROME; SERUM CYTOKINE LEVELS	6	0	16.7
1902	ADRENAL GLOMERULOSA CELLS; STEROIDOGENESIS; BOVINE ADRENAL GLOMERULOSA CELLS; STEROIDOGENIC CELLS; CAPACITATIVE CALCIUM INFLUX	5	40	80.0
1686	CLINICAL-TRIALS; ACUTE DIARRHEA; DIARRHEA METAANALYSIS; RICE BASED ORAL REHYDRATION SOLUTION; METAANALYSIS	5	20	80.0
1058	MARKERS; INTERMEDIATE FILAMENT PROTEINS; ACTIN ISOFORMS; SOFT-TISSUE TUMOR DIFFERENTIATION; GLOMUS TUMORS	5	0	60.0
1135	MELPHALAN; ISOLATED LIMB PERFUSION; HIGH-DOSE TUMOR-NECROSIS-FACTOR-ALPHA; COMBINATION; INTERFERON-GAMMA	5	60	40.0
1820	PHOTODYNAMIC THERAPY; PHOTODYNAMIC THERAPY USING M-TETRA%HYDROXYPHENYL< CHLORIN; TETRA%M-HYDROXYPHENYL<CHLORIN CLINICAL PHOTODYNAMIC THERAPY; M-TETRA%HYDROXYPHENYL< CHLORIN; EARLY BRONCHIAL	5	40	40.0
1436	CLINICAL-TRIALS; RANDOMIZATION; CONTROLLED TRIALS PUBLISHED; RANDOMIZED CONTROLLED TRIALS; BASE-LINE BALANCE	5	0	40.0
1810	URINARY PYRIDINIUM CROSS-LINKS; PYRIDINIUM CROSS-LINKS; MARKERS; URINARY CALCIUM EXCRETION; URINARY HYDROXYPYRIDINIUM CROSS-LINK MEASUREMENTS	5	0	40.0
1682	YOUNG-ADULTS; MIGRAINE; MIGRAINE PSYCHIATRIC-DISORDERS; MIGRAINE MAJOR DEPRESSION; EPIDEMIOLOGIC-STUDY	5	0	40.0

Nr.	Forschungsfront	K	I	CH%
2388	METAANALYSIS PRINCIPLES; METAANALYSIS POTENTIALS; META-ANALYSIS BIAS; METAANALYSIS SPURIOUS PRECISION METAANA-LYSIS; METAANALYSIS UNRESOLVED ISSUES	5	100	20.0
1557	NATIONAL VACCINE INJURY COMPENSATION PROGRAM; PERMA-NENT BRAIN INJURY OR DEATH ASSOCIATED; VACCINE ADVERSE EVENTS CAUSAL OR COINCIDENTAL; UNITED-STATES; SUBACUTE SCLEROSING PANENCEPHALITIS	5	80	20.0
2274	OLESTRA; OLESTRA DOSE-RESPONSE; ESTIMATED CONSUMPTION; OLESTRA OR REGULAR TRIGLYCERIDE POTATO-CHIPS; GASTROIN-TESTINAL SYMPTOMS FOLLOWING CONSUMPTION	5	80	20.0
2270	MORTALITY; CHINA; CIGARETTE-SMOKING; SHANGHAI CHINA; CI-GARETTE-SMOKING TAR YIELDS	5	60	20.0
2235	RISK FACTOR; RISK; THROMBOSIS; RECURRENT VENOUS THROMBO-SIS; EARLY-ONSET VENOUS	5	60	20.0
2183	TREATMENT; CHRONIC ANGIOTENSIN-CONVERTING ENZYME-INHIBITION; SEPTIC SHOCK; ANGIOTENSIN-CONVERTING ENZYME-INHIBITORS INCREASE VASOCONSTRICTOR REQUIREMENTS AFTER CARDIOPULMONARY BYPASS; VASODILATORY SHOCK AFTER LEFT-VENTRICULAR ASSIS	5	60	20.0
2000	ALCOHOL-PROBLEMS WITHOUT TREATMENT; ALCOHOL-PROBLEMS; ALCOHOL; RECOVERY; WITHOUT TREATMENT PREVALENCE	5	40	20.0
941	AMIODARONE; DRUG-THERAPY AMIODARONE; PAROXYSMAL IDIO-PATHIC ATRIAL-FIBRILLATION; ATRIAL-FIBRILLATION AFTER CO-RONARY SURGERY IS THERE; SPECIAL REFERENCE	5	40	20.0
915	CHILDHOOD; MELANOMA; CUTANEOUS MELANOMA; MALIGNANT MELANOMAS; EORTC-MCG MULTICENTER STUDY	5	40	20.0
559	DEXTROMETHORPHAN; DISPOSITION; METABOLISM; POLYMORPHIC DEXTROMETHORPHAN METABOLISM CO-SEGREGATION; PROPAFE-NONE METABOLISM	5	40	20.0
1683	MENTAL-HEALTH; MENTAL-HEALTH AMONG GENERAL-PRACTITIONERS BEFORE; STRESS ANXIETY; JOB STRESS SATISFAC-TION; DEPRESSION IN-HOSPITAL CONSULTANTS GENERAL-PRACTITIONERS	5	40	20.0
2006	METASTATIC POTENTIAL; INTERLEUKIN-8; INTERLEUKIN-8 CORRE-LATES; ANGIOGENESIS; NUDE-MICE	5	40	20.0
1943	MYCOBACTERIA; SPECIES LEVEL; RAPID IDENTIFICATION; GENOTY-PIC IDENTIFICATION; RESTRICTION-FRAGMENT-LENGTH-POLYMORPHISM ANALYSIS	5	40	20.0
1759	CLINICAL PROTON DOSIMETRY; CODE; PRACTICE; PROTON DOSI-METRY INTERCOMPARISON; IONIZATION-CHAMBER DOSIMETRY	5	20	20.0
1232	CLOSURE; CESAREAN-SECTION; PERITONEUM; PARIETAL PERITO-NEUM; NEARLY ONE	5	20	20.0
1545	N-ACETYLCYSTEINE; ANTIOXIDANTS N-ACETYLCYSTEINE; INTRA-VENOUS N-ACETYLCYSTEINE; N-ACETYLCYSTEINE ENHANCES RE-COVERY; N-ACETYLCYSTEINE DURING ADULT RESPIRATORY-DISTRESS SYNDROME	5	20	20.0
426	POSTMENOPAUSAL WOMEN; POSTMENOPAUSAL SYMPTOMS; TRANSDERMAL ESTRADIOL; NONORAL ESTRADIOL DELIVERY; THE-RAPEUTIC EFFICACY	5	20	20.0
1894	TERBINAFINE; TINEA-CAPITIS; TERBINAFINE %LAMISIL%R<<; ORAL TERBINAFINE; TREATMENT	5	20	20.0
1330	CHLORINS; PHOTODYNAMIC THERAPY; MESO-TETRA%HYDROXYPHENYL<PORPHYRINS; TUMOR PHOTOSENSITI-ZERS; PHOTOPHYSICAL PROPERTIES	5	0	20.0
196	CHOLECYSTOKININ; REGULATION; CHOLECYSTOKININ BIOACTIVI-TY; GALLBLADDER CONTRACTION; MOLECULAR-FORMS	5	0	20.0
384	EFFECT; ALCOHOL; ALCOHOL-CONSUMPTION; ANTIOXIDANT SYS-TEMS; ALCOHOL-CONSUMPTION NUTRIENT INTAKE	5	0	20.0

Nr.	Forschungsfront	K	I	CH%
615	HUMAN URINARY PROTEIN; HUMAN CSF-1 MOLECULAR-CLONING; HUMAN PERIPHERAL-BLOOD MONOCYTES; HUMAN GRANULOCYTE COLONY STIMULATING FACTOR %HG-CSF<; NATIVE HUMAN URINARY COLONY-STIMULATING FACTOR DIRECTLY AUGMENTS GRANULOCYTIC	5	0	20.0
614	HUMANS; AMINO-ACID OXIDATION; METABOLIC-ACIDOSIS STIMULATES PROTEIN-DEGRADATION; METABOLIC-ACIDOSIS STIMULATES MUSCLE PROTEIN-DEGRADATION; ACIDOSIS	5	0	20.0
1011	MAGNETIC-RESONANCE-IMAGING; SYMPTOMATIC; SYMPTOMATIC LUMBAR DISC; IDENTIFYING SYMPTOMATIC DISC HERNIATIONS; LOW-BACK-PAIN MAGNETIC-RESONANCE-IMAGING APPEARANCES	5	0	20.0
462	ONLAY BONE-GRAFTS; CRANIOFACIAL ONLAY BONE-GRAFTS; CRANIOFACIAL ONLAY BONE-GRAFTING; RESORPTION; MEMBRANOUS	5	0	20.0
1500	PACLITAXEL; OVARIAN-CANCER; PATIENTS; PLATINUM-RESISTANT RECURRENT OVARIAN-CANCER; OVARIAN-CANCER MATURE DATA	5	0	20.0
1107	THEIR SPECIFIC INHIBITORS; IL-1-BETA TNF-ALPHA; CHRONIC-RENAL-FAILURE; PATIENTS; CHRONIC-HEMODIALYSIS PATIENTS	5	0	20.0
958	VARICOCELE; VARICOCELE TREATMENT; VARICOCELE LIGATION; FERTILITY; TESTICULAR	5	0	20.0
1644	TOPICAL RETINALDEHYDE; TOPICAL RETINALDEHYDE INCREASES SKIN CONTENT; PHOTODAMAGE AFTER TOPICAL RETINALDEHYDE; MOUSE SKIN; HUMAN SKIN BIOLOGIC EFFECTS	4	50	75.0
1654	INFECTION; MYCOBACTERIUM-GENAVENSE; FATAL INFECTION; DISSEMINATED MYCOBACTERIUM-GENAVENSE INFECTION; AIDS PATIENTS	4	0	75.0
376	ALCOHOLIC CHRONIC-PANCREATITIS; CHRONIC-PANCREATITIS; CLASSIFICATION; PANCREATITIS; PANCREATITIS REPORT	4	50	50.0
407	DISRUPTED PLASMINOGEN GENE; PLASMINOGEN-ACTIVATOR PLASMIN SYSTEM; PLASMINOGEN ACTIVATORS TISSUE DEGRADATION; UROKINASE-TYPE PLASMINOGEN-ACTIVATOR PROENZYME RECEPTOR; INHIBITORS	4	25	50.0
1694	SYSTEMIC INFLAMMATORY RESPONSE SYNDROME; SYSTEMIC INFLAMMATORY RESPONSE SYNDROME %SIRS<; SYSTEMIC INFLAMMATORY RESPONSE SYNDROME SEPSIS SEVERE SEPSIS; SEPTIC SHOCK INCIDENCE MORBIDITIES; PROSPECTIVELY VALIDATED MODEL	4	25	50.0
438	MEASUREMENT; GASTRIC-EMPTYING; HUMANS; GASTRIC-EMPTYING RATE; GASTRIC-EMPTYING MEASUREMENTS	4	0	50.0
1106	TUMOR NECROSIS FACTOR; MURINE CEREBRAL MALARIA; TUMOR NECROSIS FACTOR %CACHECTIN<; FATAL CEREBRAL NONFATAL CEREBRAL; ELEVATED TUMOR NECROSIS FACTOR-ALPHA	4	0	50.0
2345	AXILLARY LYMPH-NODE METASTASES; NODAL METASTASES; PREDICT LYMPH-NODE METASTASES; AXILLARY DISSECTION; T1 BREAST-CARCINOMA	4	100	25.0
1097	LOWICRYL SECTIONS COMPARED; EPOXY SECTIONS WITHOUT DEPLASTICIZING; RENAL DISEASES; REAGENT AGAINST NONSPECIFIC IMMUNOGOLD LABELING; MICROWAVE TECHNIQUE	4	75	25.0
1919	LUNG-CANCER INCIDENCE; LUNG-CANCER; HISTOLOGIC TYPE; LUNG-CARCINOMA TRENDS; UNITED-STATES LUNG-CARCINOMA INCIDENCE TRENDS DECLINING	4	75	25.0
2276	MIDDLE CEREBRAL-ARTERY TERRITORY ETIOLOGY; MALIGNANT MIDDLE CEREBRAL-ARTERY TERRITORY INFARCTION CLINICAL COURSE; DECOMPRESSIVE SURGERY; DECOMPRESSIVE CRANIECTOMY; SPACE-OCCUPYING HEMISPHERIC INFARCTION RESULTS	4	75	25.0
2009	PREVALENCE; 7 POPULATIONS; NIDDM AMONG POPULATIONS; IMPAIRED GLUCOSE-TOLERANCE; HYPOTHESIS MUSCLE INSULIN-RESISTANCE IS	4	75	25.0
2016	BENIGN PROSTATIC HYPERPLASIA; COMPARISON; TREATMENT; BENIGN PROSTATE HYPERPLASIA; PATIENTS	4	50	25.0

Nr.	Forschungsfront	K	I	CH%
1161	BIRTH-WEIGHT; MOTHERS BIRTH-WEIGHT; SURVIVAL; INTRAUTERINE GROWTH; GESTATIONAL-AGE ACROSS GENERATIONS	4	50	25.0
2133	EEG-TRIGGERED ECHO-PLANAR FUNCTIONAL MRI; FUNCTIONAL MAGNETIC-RESONANCE-IMAGING; NONINVASIVE EPILEPTIC FOCUS LOCALIZATION USING EEG-TRIGGERED FUNCTIONAL MRI; PATIENTS EEG DURING ECHO-PLANAR MRI; FOCAL SEIZURES	4	50	25.0
1559	EFFECTS; COLOSTRUM MILK INTAKE; DELAYING COLOSTRUM INTAKE; METABOLIC TRAITS; METABOLIC HORMONES	4	50	25.0
1754	HASHIMOTOS ENCEPHALOPATHY; HASHIMOTO ENCEPHALOPATHY; HASHIMOTOS MYOCLONIC ENCEPHALOPATHY; STEROID-RESPONSIVE DISORDER ASSOCIATED; SPECT SCANNING SUGGESTS	4	50	25.0
2126	HEMOPHILIA-A; CANINE HEMOPHILIA-A; GENE TARGETING RNA; MOUSE FACTOR-VIII GENE PRODUCES; PROTEIN STUDIES	4	50	25.0
2051	INSULIN ACTION; RELATIONSHIP; OXIDATIVE STRESS; NON-INSULIN-DEPENDENT DIABETIC-PATIENTS; INSULIN ACTION IS THERE	4	50	25.0
1355	OPTIC NEURITIS; OPTIC NEURITIS PROGNOSIS; RECOVERY AFTER OPTIC NEURITIS; DEVELOPING MULTIPLE-SCLEROSIS AFTER CHILDHOOD OPTIC NEURITIS; CHILDHOOD	4	50	25.0
1792	TRYPTOPHAN-HYDROXYLASE GENE; TRYPTOPHAN-HYDROXYLASE POLYMORPHISM; POLYMORPHIC HUMAN TRYPTOPHAN-HYDROXYLASE INTRON-7; SEQUENCE SPLICE-SITE; POPULATION FREQUENCY-DISTRIBUTION ANALYSES	4	50	25.0
1917	INVITRO FERTILIZATION; IN-VITRO FERTILIZATION; IN-VITRO FERTILIZATION TREATMENT OUTCOME; GONADOTROPIN-RELEASING-HORMONE AGONIST IS SUPERIOR; GONADOTROPIN-RELEASING-HORMONE AGONISTS PRIOR	4	25	25.0
1518	KAHWEOL; COFFEE; SERUM-LIPIDS; EFFECTS; BOILED COFFEE	4	25	25.0
464	LYMPHEDEMA; ARM LYMPHEDEMA; LYMPHEDEMA CHAOS; FOCUSED REVIEW POSTMASTECTOMY LYMPHEDEMA; PATIENTS TREATED CONSERVATIVELY	4	25	25.0
1825	MUMPS; MEASLES MUMPS; MUMPS OUTBREAK; RUBELLA; HIGHLY VACCINATED POPULATION	4	25	25.0
1116	PERICYTES; SMOOTH-MUSCLE CELLS IS PRESENT; PERICYTE PHYSIOLOGY; NONEPITHELIAL NEOPLASMS; MICROVASCULATURE	4	25	25.0
1688	PHARMACOKINETICS; CYCLOSPORINE; CYCLOSPORINE CLINICAL PHARMACOKINETICS; RATS; PROTEIN-CALORIE MALNUTRITION	4	25	25.0
1768	REVIEW; TREATMENT; PAMIDRONATE; BISPHOSPHONATES; PAMIDRONATE DISODIUM	4	25	25.0
360	TEST DOSES OPTIMAL EPINEPHRINE CONTENT; SEVOFLURANE; REVIEW; RESPIRATORY SINUS ARRHYTHMIA DURING RECOVERY; REGIONAL ANESTHETICS	4	25	25.0
1586	THORACOTOMY; POSTOPERATIVE PAIN; POSTTHORACOTOMY PAIN; THORACOSCOPY POSTOPERATIVE PULMONARY-FUNCTION PAIN; CONTINUOUS INTERCOSTAL ANALGESIA	4	25	25.0
679	AORTA; ACETYLCHOLINE; RAT; RAT AORTA; ENDOTHELIUM-DERIVED CONTRACTING FACTOR	4	0	25.0
1627	BETAXOLOL; TIMOLOL; GLAUCOMA; NORMAL-TENSION GLAUCOMA; VISUAL-FIELDS	4	0	25.0
558	BONE-RESORPTION; STIMULATION; INTERLEUKIN-1; TUMOR NECROSIS FACTOR STIMULATE; CACHECTIN TUMOR NECROSIS FACTOR STIMULATES COLLAGENASE	4	0	25.0
1771	BRAIN-STEM REFLEXES; BLINK REFLEXES; MRI-TOPOGRAPHICAL CORRELATIONS; LOWER BRAIN-STEM CLINICAL ETIOLOGIC; WALLENBERG LATERAL MEDULLARY SYNDROME CLINICAL-MAGNETIC RESONANCE IMAGING CORRELATIONS	4	0	25.0
1237	COLLAGEN NETWORK; COLLAGEN REMODELING; MYOCARDIAL COLLAGEN; FIBRILLAR COLLAGEN NETWORK; DISEASE	4	0	25.0
665	EATING; BINGE EATING AMONG; EMOTIONAL EATING SCALE; REVIEW; OBESITY	4	0	25.0

Nr.	Forschungsfront	K	I	CH%
370	GALLBLADDER CANCER; RISK-FACTORS; BILIARY-TRACT CANCER; CASE-CONTROL STUDY; POLISH CASE-CONTROL STUDY	4	0	25.0
1187	LIDOCAINE METABOLISM; HEPATIC LIDOCAINE METABOLISM; HEPATIC MICROSOMES COMPARISON; RAT HEPATIC CYTOCHROME-P-450S; HUMAN-LIVER MICROSOMES	4	0	25.0
1801	PRETERM INFANTS; OUTCOME; NEUROLOGICAL OUTCOME; PERIVENTRICULAR DENSITIES; TRANSIENT PERIVENTRICULAR ECHODENSITIES	4	0	25.0
1449	RISK; ANALGESIC USE; USE; REGULAR ANALGESIC INTAKE; RENAL PELVIS	4	0	25.0
825	TREATMENT; CHILDREN; ACUTE LYMPHOBLASTIC-LEUKEMIA SIGNIFICANCE; ACUTE LYMPHOBLASTIC-LEUKEMIA RISK; CHILDHOOD ACUTE LYMPHOBLASTIC-LEUKEMIA	4	0	25.0
1878	TREATMENT; SINGLE DAILY DOSE; SINGLE DAILY DOSING; STREPTOCOCCAL ENDOCARDITIS; INFECTIVE ENDOCARDITIS DUE	4	0	25.0
1871	INTESTINAL NEURONAL DYSPLASIA; NEURONAL INTESTINAL DYSPLASIA; EPIDEMIOLOGY; DISTAL COLON; CONGENITAL INNERVATION DEFECTS	3	0	100.0
2337	SDZ RAD; NEW RAPAMYCIN DERIVATIVE SYNERGISM; NEW RAPAMYCIN DERIVATIVE PHARMACOLOGICAL PROPERTIES IN-VITRO; NEW XENOBIOTIC IMMUNOSUPPRESSIVE DRUGS TACROLIMUS %FK506< SIROLIMUS %RAPAMYCIN< MYCOPHENOLATE MOFETIL; LEFLUNOMIDE	3	100	66.7
801	APPROPRIATENESS; EUROPEAN PANEL; GASTROINTESTINAL ENDOSCOPY %EPAGE< CONCLUSION; GASTROINTESTINAL ENDOSCOPY %EPAGE< PROJECT; POLYPS	3	67	66.7
2140	EFFECTS; RENAL EFFECTS; URATE TRANSPORT; RENIN-ANGIOTENSIN SYSTEM; NORMOTENSIVE SUBJECTS	3	67	66.7
2124	CHEESE PRODUCED; ALLERGY; GOATS MILK; COWS MILK; COW SHEEP	3	33	66.7
1283	HIGH-ALTITUDE PULMONARY-EDEMA; PULMONARY-EDEMA; HIGH-ALTITUDE BRONCHOALVEOLAR LAVAGE; NIFEDIPINE; LUNG	3	33	66.7
1539	MIRIZZI SYNDROME; CHOLECYSTCHOLEDOCHAL FISTULA; CHOLECYSTOBILIARY FISTULA; SURGICAL IMPLICATIONS; MANAGEMENT	3	33	66.7
1978	SOMATOSTATIN RECEPTORS; IN-VIVO DETECTION; HUMAN LYMPHATIC TISSUE; HUMAN GUT LYMPHOID-TISSUE; IN-VIVO SCINTIGRAPHIC LOCALIZATION	3	33	66.7
2364	CHEMOKINES; HUMAN CHEMOKINES; CHEMOKINES CHEMOTACTIC CYTOKINES THAT MEDIATE INFLAMMATION; UPDATE	3	100	33.3
2341	ECHINACEA; ECHINACEA EXTRACT; ECHINACEA ROOT EXTRACTS; PREVENTION; NATURAL-KILLER	3	100	33.3
2401	NONULCER DYSPEPSIA; PATIENTS; HELICOBACTER-PYLORI; ERADICATING HELICOBACTER-PYLORI INFECTION; TREATING HELICOBACTER-PYLORI INFECTION	3	100	33.3
2392	TUBERCULOSIS; TRANSMISSION; RESULT; POOR COMPLIANCE DURING SHORT-COURSE CHEMOTHERAPY; PATIENTS SMEAR-NEGATIVE	3	100	33.3
2069	ELDERLY; NUTRITION; NUTRITIONAL RISK; MINI NUTRITIONAL ASSESSMENT; NUTRITION SCREENING INITIATIVE	3	67	33.3
2184	GLAUCOMA; GLAUCOMA LII-EDWARD-JACKSON-MEMORIAL-LECTURE; GLAUCOMA WORLDWIDE; NUMBER; GLOBAL IMPACT	3	67	33.3
2217	HLA-A HLA-B; HLA-A DIVERSITY; LOCUS-SPECIFIC AMPLIFICATION; HLA CLASS-I GENES; HLA SYSTEM 1996	3	67	33.3
2285	HYDROXYETHYL STARCH GELATIN; HEMODILUTION INDUCES; PROGRESSIVE HEMODILUTION; 6-PERCENT HYDROXYETHYL STARCH; COAGULATION DURING INTRAOPERATIVE HEMODILUTION	3	67	33.3
2236	REGENERATED BONE; GUIDED BONE REGENERATION AROUND TITANIUM IMPLANTS REPORT; LOCALIZED RIDGE AUGMENTATION USING GUIDED BONE REGENERATION SURGICAL-PROCEDURE; OSSEOINTEGRATED IMPLANTS; SUCCESS	3	67	33.3

Nr.	Forschungsfront	K	I	CH%
2182	TREATMENT; PHARMACOKINETICS; ORAL; NEW ANTIMALARIAL DRUG CGP-56697; MALARIA	3	67	33.3
2143	APC MUTATIONS; APC GENE; TURCOT SYNDROME; SOMATIC MUTATIONS ED; BRAIN TUMOR-POLYPOSIS SYNDROME 2 GENETIC-DISEASES	3	33	33.3
1952	BIOCHEMICAL PRESENTATION; VARIABLE CLINICAL; GLUTARIC ACIDURIA TYPE-I UNUSUAL BIOCHEMICAL PRESENTATION; CLINICAL COURSE EARLY DIAGNOSIS TREATMENT; GLUTARYL-COA-DEHYDROGENASE DEFICIENCY	3	33	33.3
2035	CUTANEOUS LYMPHOMA; PRIMARY CUTANEOUS CD30%+< LYMPHOPROLIFERATIVE DISORDERS COMPARISON; PRIMARY CUTANEOUS CD30-POSITIVE LARGE CELL LYMPHOMA DEFINITION; CD30/KI-1-POSITIVE LYMPHOPROLIFERATIVE DISORDERS; ANAPLASTIC LARGE-CELL LYMPHOM	3	33	33.3
1397	HUMAN INSULIN PROINSULIN 65-66 SPLIT; INSULIN DEFICIENCY; 32-33 SPLIT PROINSULINS; INCOMPLETELY PROCESSED PROINSULIN IS; SENSITIVE	3	33	33.3
488	JAPANESE ENCEPHALITIS; JAPANESE ENCEPHALITIS PROSPECTS; JAPANESE ENCEPHALITIS CURRENT WORLDWIDE STATUS; PREVENTION; OUTBREAK	3	33	33.3
1622	OLDER; OLDER PATIENTS; REPRESENTATION; PROVINCE; NETHERLANDS	3	33	33.3
2180	STRATEGIES; SEVERE FALCIPARUM-MALARIA EVIDENCE; RISK-BENEFIT ANALYSIS; QUININE; PREVENTION	3	33	33.3
1868	TOXICITY; GLUTATHIONE DEFICIENCY; GLUTATHIONE IMPLICATIONS; CYCLOPHOSPHAMIDE TOXICITY CHARACTERIZING; PROBLEM	3	33	33.3
250	ACID SUPPRESSION; APPROPRIATE ACID SUPPRESSION; HEALING; RELATIONSHIP BETWEEN ULCER HEALING; NEW METHOD	3	0	33.3
1789	ACOUSTIC TUMORS; UNTREATED ACOUSTIC NEUROMAS; ACOUSTIC NEUROMA %VESTIBULAR SCHWANNOMA< GROWTH; SURGICAL; PATIENTS	3	0	33.3
694	ATHEROSCLEROTIC CORONARY-ARTERIES CAUSED; STENOTIC CORONARY-ARTERIES DURING DYNAMIC EXERCISE; SYMPATHETIC-STIMULATION; RESPONSE; PATIENTS	3	0	33.3
811	CLASSIFICATION; REPORTING; AMERICAN-COLLEGE-OF-RHEUMATOLOGY CRITERIA; OSTEOARTHRITIS; CRITERIA	3	0	33.3
1420	DIARRHEA; INFANTILE DIARRHEA; MAJOR ROUTES; INFANT FOOD INGREDIENTS; CONTAMINATED WEANING FOOD	3	0	33.3
1861	EFFECT; OCTREOTIDE; INTESTINAL MOTILITY; SCLERODERMA-ASSOCIATED INTESTINAL PSEUDOOBSTRUCTION; SANDOSTATIN%R<	3	0	33.3
2157	EMERGENCE; CANCER; FLUOROQUINOLONE-RESISTANT ESCHERICHIA-COLI; ESCHERICHIA-COLI RESISTANT; CANCER CENTER	3	0	33.3
1842	ENDOTHELIN; TISSUE ENDOTHELIN IMMUNOREACTIVITY; TISSUE ENDOTHELIN-1 IMMUNOREACTIVITY; RELEASE; PORCINE ENDOTHELIUM	3	0	33.3
1419	EPIDERMOID TUMORS; INTRACRANIAL EPIDERMOID TUMORS; 44 CASES; 33 CASES; INTRACRANIAL DERMOID	3	0	33.3
1030	GROWTH-MECHANISM; GIANT INTRACRANIAL ANEURYSMS DEMONSTRATION; INTRACRANIAL ANEURYSMS TREATED; THROMBOSED GROWING GIANT ANEURYSMS; MR FINDINGS	3	0	33.3
650	HUMAN ATHEROSCLEROTIC PLAQUE; HUMAN ATHEROSCLEROTIC LESIONS; HUMAN ATHEROSCLEROSIS IMMUNOCYTOCHEMICAL ANALYSIS; SMOOTH-MUSCLE CELLS; REGIONAL ACCUMULATIONS	3	0	33.3
1154	INTERNATIONAL GROWTH REFERENCE; INTERNATIONAL GROWTH REFERENCE HISTORICAL; TECHNICAL CONSIDERATIONS; NUTRITIONAL-STATUS USING ANTHROPOMETRY; NORMALIZED CURVES	3	0	33.3
1358	INTESTINAL HELMINTH INFECTIONS; INTESTINAL PARASITIC INFECTIONS; SOLUBLE PUBLIC-HEALTH PROBLEM; POPULATION ECOLOGY; HUMAN COMMUNITIES	3	0	33.3

Nr.	Forschungsfront	K	I	CH%
1869	INTRAVENOUS MAGNESIUM-SULFATE; SUSPECTED ACUTE MYOCARDIAL-INFARCTION; SUSPECTED ACUTE MYOCARDIAL-INFARCTION OVERVIEW; SUSPECTED ACUTE MYOCARDIAL-INFARCTION RESULTS; INTRAVENOUS MAGNESIUM	3	0	33.3
983	LIFETIME PREVALENCE; LOS-ANGELES; PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; SPECIFIC PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; PATHWAYS	3	0	33.3
1612	OSSEOINTEGRATED DENTAL IMPLANTS; UNSPLINTED BRANEMARK IMPLANTS; ITI IMPLANTS SUPPORTING OVERDENTURES; SPLINTED; PRELIMINARY-REPORT	3	0	33.3
1352	POSTPRANDIAL MESENTERIC BLOOD-FLOW; POSTPRANDIAL INTESTINAL BLOOD-FLOW EFFECT; DOPPLER ULTRASOUND FLOWMETRY; DUPLEX ULTRASOUND MEASUREMENT; REGULATION	3	0	33.3
1427	PREMORBID PERSONALITY ASSESSMENTS; DEPRESSIVE PERSONALITY; PREMORBID PERSONALITY-TRAITS; MEN WHO DEVELOP UNIPOLAR OR BIPOLAR DISORDERS; MAJOR DEPRESSION	3	0	33.3
447	RENAL INJURY OR ABLATION; REDUCED RENAL MASS; CONVERTING ENZYME-INHIBITORS REDUCE RENAL INJURY; RATS; NEPHRON ADAPTATION	3	0	33.3
2353	BONE-MARROW TRANSPLANTATION; LONG-TERM SURVIVAL; LONG-TERM SURVIVORS; LATE DEATHS AFTER ALLOGENEIC BONE-MARROW TRANSPLANTATION; FUNCTIONAL STATUS	2	100	100.0
2367	PRELIMINARY ASSESSMENT; MR COLONOGRAPHY PRELIMINARY-REPORT; MASS LESIONS; DETECTION; 3-DIMENSIONAL MAGNETIC-RESONANCE-IMAGING	2	100	100.0
2391	PROGRAM; HEROIN MAINTENANCE PROGRAM; RESULTS; RANDOMIZED TRIAL; NARCOTICS	2	100	100.0
2301	PULSE DURATION; LASER-ABLATION; LASER-INDUCED PRESSURE WAVES DURING HOLMIUM LASER-ABLATION; EFFECTS; EFFECT	2	100	100.0
2366	RUBELLA; CONGENITAL-RUBELLA SYNDROME %CRS<; CONTROL; DEVELOPING-COUNTRIES VACCINATION AGAINST RUBELLA; DEVELOPING-COUNTRIES BURDEN	2	100	100.0
2398	TISSUE MICROARRAYS; HIGH-THROUGHPUT MOLECULAR PROFILING; HIGH-THROUGHPUT FLUORESCENCE IN-SITU HYBRIDIZATION; SURVEY; GENE AMPLIFICATIONS DURING PROSTATE-CANCER PROGRESSION	2	100	100.0
2211	SWITZERLAND PROSPECTIVE MULTICENTER STUDY; SWISS HIV COHORT STUDY RATIONALE ORGANIZATION; NEW ANTIRETROVIRAL COMBINATION THERAPIES; IMPACT; HIV-INFECTED PATIENTS	2	50	100.0
2146	ANESTHETIC DEPTH DEFINED USING MULTIPLE NOXIOUS STIMULI DURING ISOFLURANE/OXYGEN ANESTHESIA HEMODYNAMIC-RESPONSES; ANESTHETIC DEPTH DEFINED USING MULTIPLE NOXIOUS STIMULI DURING ISOFLURANE/OXYGEN ANESTHESIA MOTOR REACTIONS	2	0	100.0
2191	ANTI-FAS APO-1 ANTIBODY-MEDIATED APOPTOSIS; HUMAN-MALIGNANT GLIOMA-CELLS; PROTOONCOGENE BCL-2 GENE-TRANSFER ABROGATES FAS/APO-1 ANTIBODY-MEDIATED APOPTOSIS; CULTURED HUMAN GLIOMA-CELLS INDUCTION; SENSITIVITY	2	0	100.0
1578	ENDOTHELIUM-DERIVED NITRIC-OXIDE; NITRIC-OXIDE SYNTHESIS; PORCINE AORTA INHIBITION; ENDOTHELIN-INDUCED VASOPRESSOR TONE AFTER INHIBITION; RATS	2	0	100.0
1774	GLOBAL TUBERCULOSIS SITUATION; TUBERCULOSIS; GLOBAL OVERVIEW; SITUATION TODAY; NEW CONTROL STRATEGY	2	0	100.0
878	IGE HIDDEN; HUMAN IGE SYNTHESIS INVITRO DETECTION; IMMUNE-COMPLEXES; CHILDREN; ASTHMA	2	0	100.0
1655	INSULIN INSULIN SENSITIVITY; ALTERED INSULIN SENSITIVITY HYPERINSULINEMIA; HYPERTENSIVE PARENT; HYPERTENSION; DYSLIPIDEMIA	2	0	100.0

Nr.	Forschungsfront	K	I	CH%
1924	MONOCLONAL IMMUNOGLOBULIN-A ANTIBODY-DIRECTED AGAINST SEROTYPE-SPECIFIC EPITOPE; MONOCLONAL SECRETORY IMMUNOGLOBULIN-A PROTECTS MICE AGAINST ORAL CHALLENGE; SHIGELLA-FLEXNERI LIPOPOLYSACCHARIDE PROTECTS AGAINST MURINE EXPERIMENTAL	2	0	100.0
2021	PROGRESS TOWARD ACHIEVING; MENTAL; COMMON LANGUAGE; BEHAVIORAL-DISORDERS; PSYCHIATRY RESULTS	2	0	100.0
1951	TREATMENT; GUIDED TISSUE REGENERATION %GTR<; PERI-IMPLANTITIS USING GUIDED TISSUE REGENERATION; IMPLANT-TISSUE INTERFACES FOLLOWING TREATMENT; LIGHT	2	0	100.0
2326	ANGIOTENSIN-CONVERTING ENZYME-INHIBITION; ANGIOTENSIN-CONVERTING ENZYME-INHIBITORS; REVERSING ENDOTHELIAL DYSFUNCTION< STUDY; QUINAPRIL IMPROVES ENDOTHELIAL VASOMOTOR DYSFUNCTION; ROLE	2	100	50.0
2373	BETTER HEALTH; HEALTH SECTOR; UNRULY MELANGE COORDINATING EXTERNAL RESOURCES; REVIEW; FUTURE	2	100	50.0
2316	CNTF USING ENCAPSULATED GENETICALLY-MODIFIED XENOGENEIC CELLS; ENCAPSULATED CELLS PRODUCING NEUROTROPHIC FACTOR CNTF; MONKEY MODEL; INTRATHECAL DELIVERY; HUNTINGTONS-DISEASE	2	100	50.0
2361	DIAGNOSIS; PRIMARY CMV INFECTION; PRIMARY TOXOPLASMA-GONDII INFECTION; IMPROVED DIAGNOSIS; ANTITOXOPLASMA IMMUNOGLOBULIN-G AVIDITY	2	100	50.0
2357	EHLERS-DANLOS-SYNDROMES REVISED NOSOLOGY VILLEFRANCHE 1997; EHLERS-DANLOS-SYNDROME-II; EHLERS-DANLOS-SYNDROME-I; COL5A1 GENE ARE CAUSAL; MUTATIONS	2	100	50.0
2312	HERPESVIRUS RESISTANCE; GANCICLOVIR RESISTANCE DURING TREATMENT; EUROPEAN SURVEY; DEVELOPMENT; BONE-MARROW TRANSPLANT RECIPIENTS	2	100	50.0
2333	LEAN RATS; LEPTIN; LEAN ANIMALS; NOT OBESE ZUCKER RATS; GENETICALLY-OBESE FALFA RATS REDUCED SENSITIVITY COMPARED	2	100	50.0
2318	NEW THERAPEUTIC PRINCIPLE; DRUG-THERAPY ANGIOTENSIN RECEPTORS; ANGIOTENSIN-II RECEPTOR INHIBITION; THEIR ANTAGONISTS	2	100	50.0
2386	PROTEASE INHIBITOR THERAPY; HIGHLY-ACTIVE ANTIRETROVIRAL THERAPY %HAART<; UNSELECTED COHORT; HIV-INFECTED PATIENTS; HIV-1-INFECTED INDIVIDUALS REMAINING VIREMIC	2	100	50.0
2311	SALMONELLA-ENTERITIDIS INFECTIONS; NATIONAL OUTBREAK; ICE-CREAM; FOODBORNE DISEASE-CONTROL; TRANSNATIONAL CHALLENGE	2	100	50.0
2319	SUM; STANFORD HEALTH ASSESSMENT QUESTIONNAIRE; PARTS; ORDINAL CLINICAL-SCALES; MOST	2	100	50.0
2310	SYSTEMIC ABSORPTION; SUNSCREEN AFTER TOPICAL APPLICATION; SUN PROTECTION FACTOR; SKIN PENETRATION; 2 VEHICLES	2	100	50.0
2302	TAMOXIFEN; CHEMOTHERAPY; TAMOXIFEN ALONE; ADJUVANT CHEMOTHERAPY PLUS TAMOXIFEN COMPARED; POSTMENOPAUSAL BREAST-CANCER METAANALYSIS	2	100	50.0
2400	TOXIC EPIDERMAL NECROLYSIS; RANDOMIZED COMPARISON; INHIBITION; HUMAN INTRAVENOUS IMMUNOGLOBULIN; CD95	2	100	50.0
2385	TRANSMISSION; KAPOSIS-SARCOMA-ASSOCIATED HERPES-VIRUS TRANSMISSION; RENAL-TRANSPLANT DONORS; RECIPIENTS; HUMAN-HERPESVIRUS-8 INFECTION	2	100	50.0
2256	AIDS PATIENTS ACCORDING; CLINICAL AIDS PATIENTS; SURVIVAL; STAGING SYSTEM; AIDS-DEFINING EVENT	2	50	50.0
2041	ALLERGIC CONTACT-DERMATITIS; LATEX RUBBER; NATURAL LATEX WITHOUT CONTACT URTICARIA	2	50	50.0
2266	BONE MASS; BONE REMODELING; ALENDRONATE TREATMENT; POSTMENOPAUSAL WOMEN; POSTMENOPAUSAL OSTEOPOROTIC WOMAN EFFECT	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
1710	COMPLICATION; IMPLANTABLE SUBCLAVIAN VENOUS ACCESS DEVICES; TOTALLY IMPLANTABLE SUBCLAVIAN VENOUS ACCESS DEVICES; RARE COMPLICATION; CATHETER FRACTURE	2	50	50.0
2170	GLYCOSYLATED; NONGLYCOSYLATED RG-CSF; GLYCOSYLATED VERSUS NONGLYCOSYLATED RG-CSF; MOBILIZING PERIPHERAL-BLOOD PROGENITOR CELLS; IN-VITRO COMPARISON	2	50	50.0
2002	HODGKINS-DISEASE; BOTH HODGKINS-DISEASE; NON-HODGKINS-LYMPHOMAS LESSONS LEARNED; NON-HODGKINS-LYMPHOMA; INTERRELATIONSHIP	2	50	50.0
1891	INSULIN-SECRETION; GLUCOSE-STIMULATED INSULIN-SECRETION REQUIRES NITRIC-OXIDE; L-ARGININE DERIVED NITROGEN-OXIDES; EARLY PHASE; PANCREATIC B-CELLS CAUSED	2	50	50.0
2223	LANGUAGE; LANGUAGE BIAS; TOWER-OF-BABEL BIAS; RANDOMIZED CONTROLLED TRIALS PUBLISHED; PUBLICATIONS INCLUDED	2	50	50.0
1972	LEUKEMIA INHIBITORY FACTOR; LEUKEMIA INHIBITORY FACTOR SIGNIFICANTLY ENHANCES; BLASTOCYST FORMATION RATES; BLASTOCYST IMPLANTATION DEPENDS; MATERNAL EXPRESSION	2	50	50.0
2244	MACROPHAGES; EARLY INTERLEUKIN-12 PRODUCTION; MACROPHAGES IN-VIVO RESTIMULATION IN-VITRO; MURINE MACROPHAGE IL-12 PRODUCTION ACTIVATION; RESPONSE	2	50	50.0
1426	MITOCHONDRIAL ENCEPHALOMYOPATHY; FAMILIAL MITOCHONDRIAL ENCEPHALOMYOPATHY; COENZYME Q%10< DEFICIENCY; MUSCLE COENZYME-Q DEFICIENCY	2	50	50.0
2200	MUMPS; INDIGENOUS MEASLES MUMPS; RUBELLA; POPULATION PARTIALLY VACCINATED; OUTBREAK	2	50	50.0
2228	NEUROENDOCRINE TUMORS; LUNG PANCREAS; LITERATURE; GUT; CARCINOID DISEASE REVIEW	2	50	50.0
1885	OUTCOME; SELF-ADMINISTERED OUTCOME MEASURE; MEASUREMENT PROPERTIES; LUMBAR SPINAL STENOSIS; LOW-BACK-PAIN	2	50	50.0
307	POSTTRAUMATIC SYRINGOMYELIA %CYSTIC MYELOPATHY<; POSTTRAUMATIC CERVICAL SYRINGOMYELIA INCIDENCE CLINICAL PRESENTATION ELECTROPHYSIOLOGICAL STUDIES SYRINX PROTEIN; RESULTS; PROSPECTIVE-STUDY; OPERATIVE TREATMENT	2	50	50.0
2241	RANGE; HEALTHY-INDIVIDUALS; DIAGNOSIS; AUTOANTIBODIES; ANTINUCLEAR ANTIBODIES	2	50	50.0
1753	ROTAVIRUS VACCINES; PIG ROTAVIRUS ENTERITIS; L-GLUTAMINE STIMULATES JEJUNAL SODIUM; CHLORIDE ABSORPTION; NEW LESSONS	2	50	50.0
1997	SELECTIVE-INHIBITION; REFRACTORY HODGKINS LYMPHOMA; RECOMBINANT SINGLE-CHAIN ANTIBODY-TOXIN SPECIFIC; PHASE-I STUDY; PATIENTS	2	50	50.0
1712	STAPHYLOCOCCAL DISEASE; SOCKS SYNDROME; PAPULAR-PURPURIC GLOVES; TOXIN-MEDIATED STREPTOCOCCAL	2	50	50.0
2206	STRUCTURAL POSITION; PALMITIC ACID; MINERAL BALANCE; INFANT FORMULAS EFFECTS; FAT-ABSORPTION	2	50	50.0
2269	SURVEY; OPCS DATA; OMPHALOCELE; GASTROSCHISIS; EUROPE	2	50	50.0
2210	@IN-111-DTPA-D-PHE%1<*OCTREOTIDE SCINTIGRAPHY; INDIUM-111-PENTETREOTIDE SCINTIGRAPHY; PARAMETER; ORBITAL GRAVES-DISEASE; GRAVES OPHTHALMOPATHY	2	0	50.0
1783	ANTIGLIADIN; ANTIGLIADIN ANTIBODIES; ANTIENDOMYSIUM ANTIBODY DETERMINATION; CELIAC-DISEASE	2	0	50.0
2195	APOPTOSIS; EPIDERMAL GROWTH FACTOR-MEDIATED APOPTOSIS; P53-INDEPENDENT ACTIVATION; P53-DEPENDENT; MDA-MB-468 HUMAN BREAST-CANCER CELLS	2	0	50.0
351	ATOPIC-DERMATITIS; ATOPIC-DERMATITIS COMPARISON; ONCHOCERCIASIS; EOSINOPHILS EOSINOPHIL CATIONIC PROTEIN; EOSINOPHIL-GRANULE MAJOR BASIC-PROTEIN	2	0	50.0
2258	BLOOD LEAD; BLOOD LEAD LEVELS; PETROL LEAD; TRANSITION PERIOD %1984-1993<; TIME TREND	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1848	CARCINOGENIC HETEROCYCLIC AROMATIC-AMINES; FOOD-BORNE HETEROCYCLIC AMINES INCREASE; RAPID METABOLIC PHENOTYPES; PUTATIVE EXPOSURE; METABOLIC-ACTIVATION	2	0	50.0
1001	CEREBROSPINAL-FLUID; BLOOD CEREBROSPINAL-FLUID BARRIER; PROTEIN TRANSFER; MULTIPLE-SCLEROSIS; HUMORAL IMMUNE-RESPONSE WITHIN	2	0	50.0
1202	CYCLOSPORINE-A NEPHROPATHY STANDARDIZATION; CYCLOSPORINE-ASSOCIATED CHRONIC NEPHROPATHY; KIDNEY BIOPSIES; EVALUATION; LONG-TERM COURSE	2	0	50.0
1600	CYCLOSPORINE; HUMAN GASTROINTESTINAL-TRACT; DOSE; CHILDREN AFTER LIVER-TRANSPLANTATION; ABSORPTION SITE	2	0	50.0
1930	CYTOKINES; ATOPIC ASTHMA; SYMPTOMATIC ASTHMA AIRWAYS; BRONCHOALVEOLAR LAVAGE FLUID AFTER SEGMENTAL ALLERGEN PROVOCATION; T-CELLS	2	0	50.0
1527	DERMAL DENDRITIC CELLS; FACTOR-XIIIA POSITIVE DERMAL DENDRITIC CELLS; INFLAMED SKIN; FUNCTIONAL LOOK; FRESH MORPHOLOGICAL	2	0	50.0
1521	ENDOTHELIUM-DERIVED CONTRACTING FACTORS; ENDOTHELINS; BIOCHEMISTRY; MOLECULAR-BIOLOGY	2	0	50.0
1064	ENERGY-EXPENDITURE; ENERGY-EXPENDITURE NET CARBOHYDRATE UTILIZATION; FUEL UTILIZATION; NET FAT OXIDATION; SPECIAL REFERENCE	2	0	50.0
1899	EXPERIMENTAL SKULL BONE DEFECTS; BONE APPOSITION ONTO ORAL IMPLANTS; SINUS AREA FILLED; REPAIR; OSSEOUS RESPONSE	2	0	50.0
1074	EXPERIMENTAL-STUDY; BALLOON-EXPANDABLE INTRACORONARY STENTS; ADULT DOG; SELF-EXPANDING ENDOVASCULAR PROSTHESIS	2	0	50.0
1779	FETAL ALCOHOL SYNDROME; PRENATAL ALCOHOL EXPOSURE; ADULTS; ADOLESCENTS; LONG-TERM DEVELOPMENTAL CONSEQUENCES	2	0	50.0
1660	GALLSTONE ILEUS; GALLSTONE ILEUS DEMONSTRATED; CT	2	0	50.0
2082	GE<< FOOD ALLERGY FREQUENCY; IGE-MEDIATED ALLERGY; 402 PATIENTS LACTOSE-INTOLERANCE FOOD; SYMPTOMS; ATOPIC-DERMATITIS	2	0	50.0
1747	GUT EPITHELIUM; T-CELL DIFFERENTIATION; DIFFERENT T-CELL RECEPTORS; THYMUS-INDEPENDENT T-CELL DEVELOPMENT; INTESTINAL EPITHELIUM	2	0	50.0
1948	HEART; CURRENT CONCEPTS THYROTOXICOSIS; THYROID	2	0	50.0
1295	IDENTIFICATION; HUMAN-LIVER IDENTIFICATION; CYCLOSPORINE METABOLISM; CYCLOSPORINE; METABOLISM	2	0	50.0
1381	INTEGRIN-MEDIATED ATTACHMENT; EXTRACELLULAR-MATRIX PROTEINS; COLLAGEN TYPE-II TYPE-IX; CARTILAGE CONTAINS MIXED FIBRILS; ARTICULAR CHONDROCYTES	2	0	50.0
2098	INTERLEUKIN-2; SUBCUTANEOUS LOW-DOSE INTERLEUKIN-2 ALONE VS INTERLEUKIN-2 PLUS; REVIEW; RANDOMIZED STUDY; PINEAL NEUROHORMONE MELATONIN	2	0	50.0
937	IRON CHELATION-THERAPY; EFFECT; DESFERRIOXAMINE SUPPRESSES PLASMODIUM-FALCIPARUM; DEEP COMA; CHILDREN	2	0	50.0
1113	ISCHEMIA; MYOCARDIAL ISCHEMIA; ISOLATED ARTERIALLY PERFUSED RABBIT PAPILLARY-MUSCLE; INFARCTION; INCREASE	2	0	50.0
1991	LIVER-MITOCHONDRIA; BILE-DUCT LIGATED RATS; BILE DUCT-LIGATED RAT; ANTIOXIDANT DEFENSES; REDUCED ANTIOXIDATIVE CAPACITY	2	0	50.0
875	MAGNETIC STIMULATION; MAGNETIC STIMULATION SITES; MOTOR-RESPONSES; MECHANISMS; IPSILATERAL	2	0	50.0
1250	MARGINS; 2-CM SURGICAL MARGINS; MULTIINSTITUTIONAL RANDOMIZED SURGICAL TRIAL; INTERMEDIATE-THICKNESS MELANOMAS %1; EXCISION	2	0	50.0
1513	MIGRAINE; SEROTONIN; SEROTONIN METABOLISM; CLINICAL; PHARMACOLOGICAL REVIEW	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1673	MORTALITY; REVIEW; ALL-CAUSE MORTALITY; NEW MEDICAL REVIEW SERIES ALCOHOL; ALCOHOL-CONSUMPTION	2	0	50.0
2057	NITRIC-OXIDE PRODUCTION; NITRIC-OXIDE SYNTHASE IS NOT; HUMAN MONONUCLEAR PHAGOCYTES; HUMAN MONONUCLEAR PHAGOCYTE INDUCIBLE NITRIC-OXIDE SYNTHASE %INOS< ANALYSIS; INOS MESSENGER-RNA INOS PROTEIN BIOPTERIN	2	0	50.0
308	NONHEMORRHAGIC THALAMIC INFARCTION CLINICAL NEUROPSYCHOLOGICAL; THALAMIC INFARCTS CLINICAL SYNDROMES ETIOLOGY; ELECTROPHYSIOLOGICAL FINDINGS; COMPUTERIZED-TOMOGRAPHY; 4 ANATOMICAL GROUPS DEFINED	2	0	50.0
1621	NUTRITIONAL-STATUS; FRACTURED NECK; FEMUR; ELDERLY PATIENTS; EFFECT	2	0	50.0
1039	PATHOLOGICAL ASPECTS; PATHO-PHYSIOLOGY; HUMAN-DISEASE; CURRENT CONCEPTS COMPLEMENT; CIRCULATING IMMUNE-COMPLEXES	2	0	50.0
2188	PATIENTS; CRITICALLY ILL SURGICAL PATIENTS; RISK-FACTORS; PROPHYLAXIS; MALIGNANT HEMATOLOGIC DISORDERS IMPLICATIONS	2	0	50.0
1189	PATIENTS; LEG ULCERS; CHRONIC LEG ULCERS; LATE POSITIVE REACTIONS; HIGH SENSITIZATION RATE	2	0	50.0
1560	PERSONAL INTERVIEW DATA; HOSPITAL-BASED CASE-CONTROL STUDY; EPIDEMIOLOGY; ENDOMETRIAL CANCER; RELIABILITY	2	0	50.0
1896	POLIOMYELITIS; PARALYTIC POLIOMYELITIS SEASONED STRATEGIES DISAPPEARING DISEASE; INDIGENOUS WILD VIRUS-ASSOCIATED DISEASE; LAST REPORTED CASE; EPIDEMIOLOGY	2	0	50.0
1422	PREDICTOR; LUNG RESECTION CANDIDATES; MORBIDITY AFTER LUNG RESECTION; POSTOPERATIVE COMPLICATIONS; MORTALITY	2	0	50.0
1876	PUBLIC DISCUSSION; MEDICAL-CARE COSTS; INTRAVENOUS-DRUG-USERS; COMMON INFORMATION; BROOKLYN	2	0	50.0
2159	PULSED-FIELD GEL-ELECTROPHORESIS; EPIDEMIOLOGIC ANALYSIS; MOLECULAR ANALYSIS; SPORADIC SALMONELLA-TYPHI ISOLATES; SALMONELLA-ENTERITIDIS	2	0	50.0
654	RESTENOSIS AFTER SUCCESSFUL CORONARY ANGIOPLASTY; LONG-TERM FOLLOW-UP AFTER PERCUTANEOUS TRANS-LUMINAL CORONARY ANGIOPLASTY; PATIENTS; EARLY ZURICH EXPERIENCE; SINGLE-VESSEL DISEASE	2	0	50.0
2152	RETINOL ALPHA-TOCOPHEROL; RETINOL ALPHA-TOCOPHEROL LUTEIN ZEAXANTHIN BETA-CRYPTOXANTHIN LYCOPENE ALPHA-CAROTENE TRANS-BETA-CAROTENE; CAROTENOIDS %LUTEIN ALL-TRANS-LYCOPENE ALPHA-CAROTENE; SERUM DETERMINED SIMULTANEOUSLY; REVERSED-P	2	0	50.0
2171	RISK; PRIMARY CARDIAC-ARREST; HYPERTENSIVE PATIENTS; HYPERTENSION; DIURETICS BETA-BLOCKERS	2	0	50.0
1562	SALMONELLA SPP; PROTEUS SPP; SALMONELLA SPECIES; NEW PLATE MEDIUM; 5 NEW PLATING MEDIA	2	0	50.0
934	SERUM; TUMOR NECROSIS FACTOR; ASSOCIATION BETWEEN TUMOR NECROSIS FACTOR; PATIENTS; MENINGOCOCCAL DISEASE	2	0	50.0
1937	SEVERE PNEUMONIA; RESISTANCE DURING CEFTAZIDIME; MURINE PERITONITIS MODEL; MULTICENTER RANDOMIZED DOUBLE-BLIND TRIAL COMPARING INTRAVENOUS CIPROFLOXACIN; IMIPENEM-CILASTATIN	2	0	50.0
836	SPARTEINE DEBRISOQUINE POLYMORPHISM; DA RAT POLYMORPHISM; DEBRISOQUINE 4-HYDROXYLASE CHARACTERIZATION; RELATION; NEW P450 GENE SUBFAMILY REGULATION CHROMOSOMAL MAPPING	2	0	50.0
1975	SPINAL-INJURY; PROGRESSION; POSTURE AFFECTS MOTION COUPLING PATTERNS; ONSET; NEUTRAL ZONE SENSITIVITY	2	0	50.0
1766	STRUCTURE-FUNCTION RELATIONSHIP; SODIUM-PUMP; NA,K-ATPASE; ITS RELEVANCE; DISEASE	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1015	STUDY; PROGNOSIS; ISCHEMIC STROKE; EARLY CEREBRAL-ANGIOGRAPHY; CEREBRAL INFARCTION	2	0	50.0
1912	SUBHYPNOTIC DOSES; PROPOFOL POSSESS DIRECT ANTIEMETIC PROPERTIES; N1E-115 NEUROBLASTOMA-CELLS; INHIBITION; CATION CHANNEL	2	0	50.0
835	T-CELL ACTIVATION; POSSIBLE MECHANISM; MONOCYTE FUNCTION FOLLOWING MAJOR INJURY; IMPAIRMENT; BURN PATIENTS	2	0	50.0
61	THALASSEMIA; THALASSEMIA MAJOR; GROWTH; ENDOCRINE AB-NORMALITIES; SEXUAL-MATURATION	2	0	50.0
1049	THESE FINDINGS; STUDIES; IMPLICATIONS; ILLNESS; HEALTH-PROBLEMS AFTER TRAVEL	2	0	50.0
1933	TOBACCO; NURSES; NATIONAL VITAL-STATISTICS; MORTALITY; DE-VELOPED-COUNTRIES INDIRECT ESTIMATION	2	0	50.0
427	TRANSDERMAL ESTRADIOL; TRANSDERMAL DOSAGE FORMS; PHARMACODYNAMICS; HORMONE REPLACEMENT; CONVENTIONAL ORAL ESTROGENS USED	2	0	50.0
2090	TUMOR-NECROSIS-FACTOR INTERLEUKIN-1; TOPOGRAPHIC DATA; NORMAL HUMAN-PREGNANCY; INTERLEUKIN-6; FETOMATERNAL UNIT QUANTITATIVE	2	0	50.0

CH-Forschungsfronten 1999
Computer Sciences

Nr.	Forschungsfront	K	I	CH%
1632	NETWORKS; ATM NETWORKS; LONG-RANGE-DEPENDENT TRAFFIC; LARGE DEVIATIONS; PACKET-SWITCHING NETWORKS	46	37	4.3
232	DISTRIBUTED CONSENSUS; FAULT-TOLERANT DISTRIBUTED SYSTEMS; CONSENSUS; MULTIMEDIA SYSTEM; RELIABLE DISTRIBUTED SYSTEMS	36	31	5.6
1680	ALL-OPTICAL NETWORKS; WAVELENGTH ROUTING; WAVELENGTH ASSIGNMENT; ROUTING; WDM OPTICAL NETWORKS	33	61	6.1
223	PARALLEL COMPUTATION; SORTING; APPLICATIONS; PROGRAMMING PARALLEL ALGORITHMS; PROBABILISTIC PARALLEL ALGORITHMS	27	11	3.7
159	VOLUME DATA; PROBLEMS; COMPARISON; IMAGE SEGMENTATION; VOLUME GRAPHICS	22	36	4.5
551	PERFORMANCE; BURSTY CHANNELS; OUTAGE PROBABILITY; ANALYSIS; CHANNEL MODEL	21	29	4.8
1424	REVOLUTION; ELECTROMAGNETIC SCATTERING; MATRIX PENCIL METHOD; GROUND-PENETRATING RADAR; REVOLUTION BURIED	15	40	6.7
929	ERROR PERFORMANCE; DESIGN; TRELLIS CODED MPSK; FADING CHANNELS PERFORMANCE CRITERIA; CORRELATED RAYLEIGH FADING CHANNELS	10	10	10.0
691	**MAGNETIC RECORDING; PARTIAL-RESPONSE CHANNELS; HIGH-DENSITY MAGNETIC RECORDING; DIGITAL MAGNETIC RECORDING; MAGNETIC RECORDING CHANNEL**	**8**	**25**	**25.0**
2299	ITERATIVE DECODING; TURBO CODES; ITERATIVE SOFT-DECISION DECODING; DECODING TURBO-CODES; PRODUCT CODES	8	100	12.5
1182	REDUCED-STATE SEQUENCE ESTIMATION; DELAYED DECISION-FEEDBACK SEQUENCE ESTIMATION; DECODING; INTERSYMBOL INTERFERENCE; INTERSYMBOL INTERFERENCE CHANNELS	5	0	20.0
59	CORRELATION-IMMUNE FUNCTIONS; CORRELATION-IMMUNE COMBINING FUNCTIONS; CRYPTOGRAPHIC FUNCTIONS; SPECTRAL CHARACTERIZATION; NONLINEARITY CRITERIA	4	0	75.0
1763	ATM TRAFFIC CONTROL; ATM NETWORKS; TRAFFIC CONTROL SCHEMES; CALL ADMISSION CONTROL; ATM NETWORK USING UPPER BOUND	4	0	25.0
2248	MULTIUSER DETECTION; MULTIPATH CHANNELS; DS-CDMA COMMUNICATIONS; MULTIUSER RECEIVER; CODE-DIVISION MULTIPLE-ACCESS COMMUNICATIONS	3	67	33.3
182	TEXT SEARCHING; FAST TEXT SEARCHING ALLOWING ERRORS; NEW APPROACH; FINDING APPROXIMATE PATTERNS; STRINGS	3	0	33.3
1040	INTERACTIVE DESIGN; COMPLEX CHARACTER POSITIONING BASED; COMPATIBLE FLOW MODEL; 3D COMPUTER-ANIMATED LEGGED ANIMAL MOTION; MULTIPLE SUPPORTS	2	50	50.0
1876	PUBLIC DISCUSSION; MEDICAL-CARE COSTS; INTRAVENOUS-DRUG-USERS; COMMON INFORMATION; BROOKLYN	2	0	50.0
1504	SURVEY; ATM SWITCH ARCHITECTURES; MODERN HIGH-PERFORMANCE SWITCHING TECHNIQUES	2	0	50.0

CH-Forschungsfronten 1999

Ecology/Environment

Nr.	Forschungsfront	K	I	CH%
331	DETERMINATION; ESTROGENIC ACTIVITY; HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY; LIQUID-CHROMATOGRAPHY; LINEAR ALKYLBENZENESULFONATES	48	27	18.8
568	ACTIVATED-SLUDGE; ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL; BIOLOGICAL PHOSPHORUS REMOVAL; BIOLOGICAL PHOSPHORUS REMOVAL PROCESS; PHOSPHORUS	48	23	2.1
933	POLYCYCLIC AROMATIC-HYDROCARBONS; DRY DEPOSITION; AIR; ATMOSPHERIC DEPOSITION; DISTRIBUTION	47	28	2.1
281	PHOSPHORUS; RUNOFF; PHOSPHORUS LOSS; RUNOFF PHOSPHORUS; SURFACE WATERS	45	33	2.2
467	STREAM; STREAM ECOLOGY; LOTIC MACROINVERTEBRATES; STREAM HYDRAULICS; STREAM HABITATS	43	23	7.0
185	NITROGEN-FIXATION; N-15; N-15 NATURAL-ABUNDANCE; BIOLOGICAL NITROGEN-FIXATION; ESTIMATES	42	29	2.4
152	SPIDERS; EFFECT; FARMLAND; CEREAL FIELD; CEREAL FIELDS	41	5	19.5
699	WATER; PREFERENTIAL FLOW; NO-TILL SOIL; FLOW; MODELING FRACTURE FLOW	39	3	7.7
454	CHAOS; PREDATION; DENSITY-DEPENDENCE; DYNAMICS; SNOWSHOE HARE CYCLE	39	18	2.6
19	TIME-DOMAIN REFLECTOMETRY; TIME DOMAIN REFLECTOMETRY; SOIL-WATER CONTENT; TIME DOMAIN REFLECTOMETRY MEASUREMENTS; FOREST	34	6	8.8
1031	SORPTION; SURFACE PRECIPITATION; CHROMATE REDUCTION; %HYDR<OXIDES; EXAFS SPECTROSCOPY	32	44	6.3
645	BIOFILTERS; BIOFILTRATION; BIOREMEDIATION; REMOVAL; BIOLOGICAL TRICKLING FILTER	31	32	6.5
255	BRITISH-ISLES; MODELING; HOLOCENE HISTORY; CLIMATE; SWITZERLAND	29	10	10.3
1010	LEAD; ATMOSPHERIC DEPOSITION; LEAD CADMIUM; LEAD DEPOSITION RECORDED; GREENLAND SNOWS SINCE	27	15	14.8
1276	CICHLID FISHES; LAKE VICTORIA; EVOLUTIONARY STABILITY; SYMPATRIC SPECIATION; LAKE MALAWI	24	38	12.5
429	HUMIC SUBSTANCES; BINDING; PROTON BINDING; METAL-ION BINDING	23	9	8.7
696	CADMIUM; INCINERATION; MUNICIPAL SOLID-WASTE INCINERATION; MUNICIPAL SOLID-WASTE; MUNICIPAL SOLID-WASTE ASH	23	13	4.3
968	DECLINING AMPHIBIAN POPULATIONS; AMPHIBIAN DECLINES; POPULATION DECLINES; AMPHIBIAN DENSITY; AMPHIBIAN EGGS	22	14	9.1
1179	OXIDATION; TREATMENT; FENTON REAGENT; SOILS USING CATALYZED HYDROGEN-PEROXIDE; HYDROGEN-PEROXIDE	18	6	5.6
544	HYDROGEN-PEROXIDE; OXIDATION; OZONE; WATER; KINETIC-MODEL	17	12	11.8
1018	BREAST-CANCER; ORGANOCHLORINE PESTICIDES; RISK; ENVIRONMENTAL ORGANOCHLORINE EXPOSURE; ORGANOCHLORINE EXPOSURE	17	35	5.9
60	ACTIVATED-SLUDGE; CHARACTERIZATION; WASTE-WATER; ACTIVATED-SLUDGE MODELING; ASSESSMENT	15	20	13.3
233	DETERMINATION; CARBONYL-COMPOUNDS; FORMALDEHYDE; ALDEHYDES; ATMOSPHERE	14	14	7.1
926	ANAEROBIC DEGRADATION; ANAEROBIC BENZOATE DEGRADATION; AROMATIC-HYDROCARBONS; ANAEROBIC OXIDATION; ANAEROBIC METABOLISM	13	23	15.4
1615	**HYDROGEN-PEROXIDE; PHOTO-FENTON REACTION; PHOTOLYSIS; IRON%III< OXALATO COMPLEXES; FE%III<-HYDROXY COMPLEXES**	**11**	**9**	**27.3**

Nr.	Forschungsfront	K	I	CH%
1479	FISH CONSUMPTION; BIOLOGICAL SAMPLES; POLYBROMINATED DIPHENYL ETHERS; METHOXY-POLYBROMINATED DIPHENYL ETHERS; POLYBROMINATED DIPHENYL ETHERS %PBDE<	11	36	9.1
673	**EDTA; SPECIATION; DEGRADATION; PHOTOCHEMICAL DEGRADATION; FATE**	**10**	**30**	**50.0**
901	SOIL; NEGEV DESERT SOILS; SOILS; SOIL MICROSTRUCTURE; SANDY SOILS NORTH-WESTERN NEGEV DESERT ISRAEL	10	10	10.0
422	SOILS; ZINC; CONTAMINATED SOILS; CHEMICAL FRACTIONATION; CADMIUM ZINC	9	22	11.1
562	ARSENIC; SPECIATION; ARSENIC SPECIATION; ARSENIC GEOCHEMISTRY; NATURAL-WATERS	9	11	11.1
397	ADSORPTION; DESORPTION; SORPTION; HUMIC SUBSTANCES; DISSOLVED ORGANIC-CARBON ADSORPTION	9	0	11.1
512	INDUCTION; FISH HEPATOMA-CELLS GROWN; CYTOCHROME-P4501A INDUCTION; PRIMARY CULTURE; ISOLATED FISH HEPATOCYTES MODEL SYSTEMS	8	12	12.5
523	GENETIC DIFFERENTIATION; EXTINCTION; SOME POPULATION GENETIC CONSEQUENCES; EXTINCTION GENETIC CORRELATIONS WITHIN FOUNDING GROUPS; GROUP SELECTION WHAT	7	43	14.3
2001	ASIA; CO2 EMISSIONS; ANTHROPOGENIC EMISSIONS; SULFUR-DIOXIDE EMISSIONS; SO2 NOX	7	29	14.3
1025	MINK; DIETARY EXPOSURE; MINK REPRODUCTION; CARP; MINK %MUSTELA-VISON<	7	14	14.3
543	ORGANIC VAPORS; SOIL SORPTION; EFFECTS; CLAY-MINERALS; ADSORPTION	7	14	14.3
275	PLANT-POPULATIONS; COMPETITION; SIZE VARIABILITY; SIZE HIERARCHIES; SIZE STRUCTURE	7	0	14.3
739	QUINOLINE SORPTION; ADSORPTION; PESTICIDES; NUTRIENTS PESTICIDES; SPECIFIC ADSORPTION	5	20	40.0
1364	KAOLINITE; SURFACE-CHARGE CHARACTERISTICS; KAOLINITE DISSOLUTION RATES; SURFACE-CHARGE PROPERTIES; DISSOLUTION KINETICS	5	20	20.0
500	SEMIPOLAR ORGANIC-COMPOUNDS; NEUTRAL ORGANIC-COMPOUNDS; TRACE ORGANIC-COMPOUNDS; SOUTHERN CHESAPEAKE BAY-REGION; SEASONAL-CHANGES	5	20	20.0
664	ANNUAL TEMPERATURE %1590-1979<; TREE-RING DENSITY RECONSTRUCTIONS; NORTH-AMERICA; HIGH NORTHERN LATITUDE TEMPERATURE RECONSTRUCTIONS BASED; TREE-RING WIDTH	5	0	20.0
1454	ORGANIC-MATTER; ORGANIC-MATTER ROLE; FLOCCULATION; DISPERSION; ROLE	5	0	20.0
1588	COMPARATIVE PHYLOGEOGRAPHY; SPECIATION; SOME GENETIC CONSEQUENCES; POSTGLACIAL COLONIZATION ROUTES; PALEARCTIC FISHES	4	75	25.0
2168	GRAVEL DEPOSITS; SEDIMENTARY DEPOSITS; 3-DIMENSIONAL HETEROGENEOUS CONDUCTIVITY FIELDS; HETEROGENEOUS AQUIFERS STATISTICAL DESCRIPTION; STRUCTURE-IMITATING PROCESS-IMITATING	4	50	25.0
1915	SEXUAL ORNAMENTATION; SEXUAL DIMORPHISM; SEXUAL SELECTION; IMMUNOCOMPETENCE HANDICAP; PARASITES BRIGHT MALES	4	25	25.0
5	NATURAL ORGANIC SOLUTES; DISSOLVED NATURAL ORGANIC MATERIAL; TRANSFORMATION KINETICS; PHOTOSENSITIZED TRANSFORMATIONS INVOLVING ELECTRONIC-ENERGY TRANSFER; PHOTOPRODUCTION	3	0	66.7
1803	NEEDLE RESPIRATION; PLANT RESPIRATION; LEAF DARK RESPIRATION; SCOTS PINE POPULATIONS; NITROGEN CONCENTRATION	3	33	33.3
1631	SOIL VAPOR EXTRACTION; VAPOR AQUEOUS; UNSATURATED SOILS DURING VAPOR EXTRACTION; HYDROCARBON-CONTAMINATED SOILS; INSITU SOIL VENTING	3	33	33.3

Nr.	Forschungsfront	K	I	CH%
2088	EVAPORATION; MAXIMUM CONDUCTANCES; GLOBAL VEGETATION TYPES; RELATIONSHIPS AMONG MAXIMUM STOMATAL CONDUCTANCE ECOSYSTEM SURFACE CONDUCTANCE CARBON ASSIMILATION RATE; GLOBAL ECOLOGY SCALING EXERCISE	3	0	33.3
2292	SUBSTITUTED PHENOLS; UNCOUPLING ACTIVITY; PARTITIONING; OCTANOL-WATER SYSTEMS; LIPOSOME-WATER BIOMEMBRANE-WATER	2	100	100.0
2219	AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS; CONTINUOUS AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS EXACT RESULTS VERSUS EXPERIMENTAL-DATA INVERSION; HOMOGENEOUS	2	50	100.0
2263	HIGH-ALPINE SITE JUNGFRAUJOCH SWITZERLAND; OUTSTANDING SAHARAN DUST EVENT; AEROSOL CLIMATOLOGY; STUDY	2	50	100.0
2247	PHOTOELECTRIC CHARGING; MONITORING PAH-EMISSIONS; COMBUSTION PROCESSES; AEROSOL EMISSION; ROAD TUNNEL	2	50	100.0
2101	MODELING; H+; CU2+ ADSORPTION; CALCIUM-MONTMORILLONITE; ACID-BASE CHEMISTRY	2	0	100.0
2040	CARING SUSTAINABLE LIVING; WILD LIVING RESOURCES; LOSS; LIMITS; CONSERVATION	2	50	50.0
1684	PREDICTABLY EPHEMERAL HABITATS; POPULATION-MOVEMENTS; CYCLIC COLONIZATION; CULTIVATED AREAS; BIOLOGICAL-CONTROL	2	50	50.0
952	PRESENCE; METAL-ION BINDING; IONIC-STRENGTH; H+ CD2+ PB2+; EFFECT	2	50	50.0
2265	SEEDLING RECRUITMENT; QUERRCUS-ROBUR L; QUERCUS-PETRAEA; GERMINATION DURING COLONIZATION; DISPERSAL SEED PREDATION	2	50	50.0
2258	BLOOD LEAD; BLOOD LEAD LEVELS; PETROL LEAD; TRANSITION PERIOD %1984-1993<; TIME TREND	2	0	50.0
1499	GROUNDWATER; SURFACE WATERS; EXAMINE GROUNDWATER SURFACE DISCHARGE INTERACTION; TOOL; RIO-GRANDE-DE-MANATI PUERTO-RICO	2	0	50.0
1377	LAST CENTURY; INCREASES; EXPOSURE; ENVIRONMENT; CARCINOGENIC PAHS	2	0	50.0
724	PLANTS; 2 PERENNIAL PLANTS; SIZE DEPENDENCY; SEXUAL REPRODUCTION; REPRODUCTIVE EFFORT	2	0	50.0
2194	URBAN AREAS; URBAN RURAL; TRACE-ELEMENTS; TOTAL SUSPENDED PARTICULATES %TSP<; SWITZERLAND	2	0	50.0

CH-Forschungsfronten 1999
Economics & Business

Nr.	Forschungsfront	K	I	CH%
157	ETHICAL DECISION-MAKING; ETHICAL; ETHICAL BEHAVIOR; ETHICS; BUSINESS ETHICS	31	10	3.2
751	INFORMATION TECHNOLOGY; RESEARCH; INFORMATION-SYSTEMS RESEARCH; INFORMATION TECHNOLOGY PLANNING; IS RESEARCH	9	0	11.1
2313	TRANSITION ECONOMIES; ECONOMIC TRANSITION; GROWTH; EXCHANGE-RATE REGIME; EQUILIBRIUM EXCHANGE-RATES	3	100	33.3
2242	TOWARD; TIGHTENING ENVIRONMENTAL STANDARDS; NO-COST PARADIGM; NEW CONCEPTION; EVIDENCE TELL US	3	0	33.3

CH-Forschungsfronten 1999
Engineering

Nr.	Forschungsfront	K	I	CH%
208	BLIND SEPARATION; BLIND IDENTIFICATION; BLIND SOURCE SEPARATION; BLIND CHANNEL IDENTIFICATION; BLIND SOURCES SEPARATION	50	52	2.0
1172	SEMICONDUCTOR OPTICAL AMPLIFIERS; 4-WAVE-MIXING; SEMICONDUCTOR OPTICAL AMPLIFIER; SEMICONDUCTOR-LASER AMPLIFIERS; SEMICONDUCTOR-LASER AMPLIFIER	49	59	4.1
413	SUPERCONDUCTING TUNNEL-JUNCTIONS; DETECTORS; SUPERCONDUCTING TUNNEL JUNCTION; TUNNELING; SUPERCONDUCTING TUNNEL JUNCTION DETECTORS	49	55	2.0
948	DISPLACEMENT CASCADES; MOLECULAR-DYNAMICS STUDY; METALS; DEFECT PRODUCTION; ENERGETIC DISPLACEMENT CASCADES	48	23	4.2
92	MICROWAVE INDUCTORS; DESIGN; CMOS OSCILLATORS; CMOS VOLTAGE; CMOS 4-QUADRANT ANALOG MULTIPLIER	48	42	2.1
328	BRAIN; VARIATIONAL METHOD; BIOMAGNETIC INVERSE PROBLEM; ELECTRICAL-IMPEDANCE TOMOGRAPHY; USING	47	30	2.1
933	POLYCYCLIC AROMATIC-HYDROCARBONS; DRY DEPOSITION; AIR; ATMOSPHERIC DEPOSITION; DISTRIBUTION	47	28	2.1
54	LINEAR-SYSTEMS; NONLINEAR CONTROL; GENERALIZED PREDICTIVE CONTROL; LINEAR-SYSTEMS SUBJECT; CONTROL	46	17	4.3
763	EXTENSIONAL VISCOSITY; VISCOELASTIC FLOWS; VISCOELASTIC POLYMER-SOLUTIONS; EXTENSIONAL FLOW; COMPUTING VISCOELASTIC FLOWS	44	36	6.8
238	MOTION ESTIMATION; ESTIMATION; BLOCK MOTION ESTIMATION; BLOCK-MATCHING MOTION ESTIMATION; VIDEO CODING	41	37	2.4
141	FINITE STRAIN ELASTOPLASTICITY BASED; FINITE-ELEMENT FORMULATION; FORMULATION; INTEGRATION ALGORITHMS; NUMERICAL ALGORITHMS	39	8	2.6
19	TIME-DOMAIN REFLECTOMETRY; TIME DOMAIN REFLECTOMETRY; SOIL-WATER CONTENT; TIME DOMAIN REFLECTOMETRY MEASUREMENTS; FOREST	34	6	8.8
645	BIOFILTERS; BIOFILTRATION; BIOREMEDIATION; REMOVAL; BIOLOGICAL TRICKLING FILTER	31	32	6.5
727	JOB SHOP SCHEDULING; JOB-SHOP PROBLEM; SCHEDULING; JOB-SHOP SCHEDULING; JOB-SHOP SCHEDULING PROBLEM	29	10	3.4
742	WATERMARKING; DIGITAL WATERMARKING; ROBUST IMAGE WATERMARKING; WATERMARKING DIGITAL IMAGES; WATERMARKING TECHNOLOGIES	25	76	8.0
440	MIXING; TURBULENCE; TURBULENT MIXING; BOUNDARY MIXING; SLOPE	25	8	8.0
735	DISCRETE WAVELET TRANSFORM; THEORY; MULTIRATE FILTER BANKS; M-CHANNEL LINEAR-PHASE FIR FILTER BANKS; LINEAR-PHASE PARAUNITARY FILTER BANKS THEORY FACTORIZATIONS	23	22	8.7
429	HUMIC SUBSTANCES; BINDING; PROTON BINDING; METAL-ION BINDING	23	9	8.7
696	CADMIUM; INCINERATION; MUNICIPAL SOLID-WASTE INCINERATION; MUNICIPAL SOLID-WASTE; MUNICIPAL SOLID-WASTE ASH	23	13	4.3
128	**VEHICLE-ROUTING PROBLEM; VEHICLE-ROUTING; TIME WINDOWS; OVERVIEW; APPROXIMATE ALGORITHMS**	**22**	**14**	**22.7**
21	SOLIDIFICATION; MODELING; SOLIDIFICATION SYSTEMS; DIRECTIONAL SOLIDIFICATION; DOUBLE-DIFFUSIVE CONVECTION DURING SOLIDIFICATION	22	5	4.5
551	PERFORMANCE; BURSTY CHANNELS; OUTAGE PROBABILITY; ANALYSIS; CHANNEL MODEL	21	29	4.8

Nr.	Forschungsfront	K	I	CH%
352	FINITE-VOLUME METHOD; DISCRETE ORDINATES METHOD; RADIATIVE HEAT-TRANSFER; PARTICIPATING MEDIA; RADIATIVE-TRANSFER	21	5	4.8
1177	**GAS ELECTRON MULTIPLIER %GEM<; MICRO-STRIP GAS-CHAMBERS; ELECTRON MULTIPLICATION; ELECTRON AMPLIFICATION; GAS DETECTORS**	**20**	**85**	**55.0**
1228	SURFACE-PLASMON RESONANCE; SURFACE-PLASMON RESONANCE SENSORS; WAVE-GUIDE SURFACE-PLASMON RESONANCE; SURFACE-PLASMON SENSORS; SURFACE-PLASMON RESONANCE WAVE-GUIDE SENSOR	20	35	15.0
190	FRICTION; CONTACT; ADAPTIVE FRICTION COMPENSATION; ROUGH SURFACES; MICROELASTOHYDRODYNAMIC LUBRICATION	20	0	5.0
1179	OXIDATION; TREATMENT; FENTON REAGENT; SOILS USING CATALYZED HYDROGEN-PEROXIDE; HYDROGEN-PEROXIDE	18	6	5.6
1593	END-PUMPED LASERS; SOLID-STATE LASERS; END-PUMPED CW ND-YAG LASERS; CONTINUOUS-WAVE END-PUMPED SOLID-STATE LASERS; ND-YAG UP-CONVERSION	17	35	17.6
544	HYDROGEN-PEROXIDE; OXIDATION; OZONE; WATER; KINETIC-MODEL	17	12	11.8
1216	REPRODUCING KERNEL PARTICLE METHODS; ELEMENT-FREE GALERKIN METHODS; MESHLESS METHODS; MULTIPLE SCALE KERNEL PARTICLE METHODS; MULTIPLE SCALE REPRODUCING KERNEL METHODS	16	50	6.3
1424	REVOLUTION; ELECTROMAGNETIC SCATTERING; MATRIX PENCIL METHOD; GROUND-PENETRATING RADAR; REVOLUTION BURIED	15	40	6.7
23	TEMPORAL REASONING; ALGORITHMS; DESCRIPTION LOGICS; COMPLEXITY; REASONING ABOUT TEMPORAL RELATIONS	15	20	6.7
960	**EXPERIMENTAL DOSIMETRY; HEAD; HUMAN HEAD; HUMAN; PORTABLE ANTENNAS**	**13**	**54**	**30.8**
1471	CONCEALMENT; ERROR CONCEALMENT; ERROR CONCEALMENT ALGORITHM; VIDEO PACKET LOSS USING ERROR CONCEALMENT; ERROR CONTROL	13	62	7.7
759	APPLICATIONS; LINBO3; INTEGRATED ACOUSTOOPTIC; ER-DOPED INTEGRATED OPTICAL-DEVICES; INTEGRATED ACOUSTOOPTIC CIRCUITS	13	38	7.7
477	STOCHASTIC DECOMPOSITION; LARGE-SCALE STOCHASTIC OPTIMIZATION; MULTISTAGE STOCHASTIC LINEAR-PROGRAMS; STOCHASTIC OPTIMIZATION PROBLEMS; MULTISTAGE STOCHASTIC OPTIMIZATION APPLIED	13	0	7.7
1698	CROSS-PHASE MODULATION; FIBER WDM SYSTEMS; ANALYSIS; CROSS-PHASE MODULATION COMBINED; WDM TRANSMISSION PERFORMANCE	12	67	8.3
191	PATH PLANNING; ROBOT PATH PLANNING; MOTION PLANNING; PLANNING RULES; REAL ROBOT	12	42	8.3
949	THIN; HIGH-ENERGY BEAM; HIGH-ENERGY; HADRON-INDUCED SPALLATION REACTIONS; DEUTRON-INDUCED SPALLATION REACTIONS	12	33	8.3
1414	NOX; NOX REMOVAL; DISCHARGE PLASMA; REMOVAL; CORONA DISCHARGE PROCESSES	12	17	8.3
1615	**HYDROGEN-PEROXIDE; PHOTO-FENTON REACTION; PHOTOLYSIS; IRON%III< OXALATO COMPLEXES; FE%III<-HYDROXY COMPLEXES**	**11**	**9**	**27.3**
1498	ELETTRA; ESCA MICROSCOPY; 30-PERCENT EFFICIENT INGAP/GAAS TANDEM SOLAR-CELLS; SOLAR-CELL EFFICIENCY TABLES %VERSION-12<; 29.5-PERCENT-EFFICIENT GALNP/GAAS TANDEM SOLAR-CELLS	11	36	9.1
928	TURBULENT JETS; BUOYANT JETS; MIXING; TURBULENT BUOYANT JETS; TURBULENT ENTRAINMENT	11	9	9.1
1327	MPEG VIDEO CODING; ATM NETWORKS; CODING; LOW-COMPLEXITY VIDEO CODING; VBR VIDEO	10	60	10.0
595	COLOR CONSTANCY; COLOR INDEXING; COLOR CONSTANT COLOR INDEXING; COLOR IMAGES; IMPROVED COLOR CONSTANCY	10	10	10.0
1700	BACKWARD-FACING STEP; THEORY; VISCOUS INCOMPRESSIBLE-FLOW; VISCOUS-FLOW PROBLEMS; ITS IMPLEMENTATION VIA	10	0	10.0

Nr.	Forschungsfront	K	I	CH%
154	**MOTION; GRANULAR-MATERIALS; FLOWS; AVALANCHES; RUNOUT ANALYSIS**	**9**	**0**	**22.2**
562	ARSENIC; SPECIATION; ARSENIC SPECIATION; ARSENIC GEOCHEMISTRY; NATURAL-WATERS	9	11	11.1
2083	**PBWO4 SINGLE-CRYSTALS; SCINTILLATION; PBWO4 CRYSTALS; SCINTILLATION CHARACTERISTICS; SCINTILLATION DECAYS**	**8**	**75**	**37.5**
1060	COMPANDING CURRENT-MODE INTEGRATOR; SCALABLE I-V MODEL; LOW-CURRENT APPLICATIONS; ANALYTICAL MOS-TRANSISTOR MODEL VALID; RF APPLICATIONS	8	50	12.5
345	HELMHOLTZ-EQUATION; FINITE-ELEMENT SOLUTION; HIGH WAVE-NUMBER; FEM; GENERALIZED FINITE-ELEMENT METHOD	8	25	12.5
1022	BIPLANE ANGIOGRAMS; DIFFUSE CORONARY-ARTERY DISEASE; BIPLANE ANGIOGRAPHY; BIPLANE VIEWS; 2 BIPLANE VIEWS	8	12	12.5
2154	SILICON; SILICON DETECTORS; SILICON DETECTORS IRRADIATED; RT SILICON DETECTORS; SILICON PIN DETECTORS	7	29	57.1
1595	OBJECT-ORIENTED FINITE-ELEMENT PROGRAMMING; OBJECT-ORIENTED PROGRAMMING; OBJECT-ORIENTED FINITE-ELEMENT ANALYSIS; OBJECT-ORIENTED FINITE-ELEMENT PROGRAMMING GOVERNING PRINCIPLES; FINITE-ELEMENT METHOD	7	14	28.6
2181	FIBER BRAGG GRATINGS; CHIRPED FIBER GRATINGS; FIBER BRAGG GRATINGS TUNED; FIBER BRAGG GRATINGS LINEARLY CHIRPED; MAGNETICALLY PROGRAMMABLE FIBER BRAGG GRATINGS	7	43	14.3
458	MOMENTS; MICROSTRIP DISCONTINUITIES; SHIELDED MICROSTRIP CIRCUITS; MICROSTRIP OPEN-END; UNBOUNDED MULTIPORT MICROSTRIP PASSIVE CIRCUITS USING	7	29	14.3
1104	REVERSE ENGINEERING; SEGMENTATION; RANGE IMAGE SEGMENTATION; RANGE IMAGE SEGMENTATION ALGORITHMS; RANGE IMAGES	7	29	14.3
543	ORGANIC VAPORS; SOIL SORPTION; EFFECTS; CLAY-MINERALS; ADSORPTION	7	14	14.3
132	SIMULATED ANNEALING; CONVERGENCE; OPTIMIZATION; ANNEALING ALGORITHM; OPTIMAL ANNEALING	7	0	14.3
1672	NEW INTERPLANETARY PROTON FLUENCE MODEL; INTERPLANETARY PROTON FLUENCE MODEL JPL 1991; MAJOR SOLAR PROTON EVENTS; SOLAR ENERGETIC HEAVY-IONS; STOCHASTIC ACCELERATION	6	33	16.7
349	HETERODYNE INTERFEROMETERS; NONLINEARITY; L-ARGININE PHOSPHATE; 2-WAVELENGTH HETERODYNE SPECKLE INTERFEROMETER; DEUTERATED L-ARGININE PHOSPHATE	6	0	16.7
2209	PRODUCTION; NUCLIDE PRODUCTION; ELEMENTS; ENERGY-RANGE; PROTON-INDUCED REACTIONS	5	60	60.0
912	PBTIO3; PYROELECTRIC INFRARED-SENSORS MADE; C-AXIS-ORIENTED LA-MODIFIED PBTIO3 THIN-FILMS; PB%ZR,TI<O-3 THIN-FILMS; C-AXIS ORIENTED LA-MODIFIED PBTIO3 THIN-FILMS	5	40	60.0
739	QUINOLINE SORPTION; ADSORPTION; PESTICIDES; NUTRIENTS PESTICIDES; SPECIFIC ADSORPTION	5	20	40.0
500	SEMIPOLAR ORGANIC-COMPOUNDS; NEUTRAL ORGANIC-COMPOUNDS; TRACE ORGANIC-COMPOUNDS; SOUTHERN CHESAPEAKE BAY-REGION; SEASONAL-CHANGES	5	20	20.0
2044	ISOLDE LASER ION-SOURCE; CHEMICALLY SELECTIVE LASER ION-SOURCE; REX-ISOLDE PROJECT; RECENT DEVELOPMENTS; MAGNETICALLY POLARIZED PD	4	75	100.0
1788	MICROSTRIP READOUT DESIGN; CMOS LOW-NOISE AMPLIFIER; SI-STRIP DETECTOR READOUT; RAD-HARD BICMOS ANALOG READOUT ASIC; CMOS LOW-NOISE MONOLITHIC 128 CHANNEL FRONTEND	4	50	100.0
2344	HERA; H1 EXPERIMENT; H1 DETECTOR; H1 LEAD/SCINTILLATING-FIBER CALORIMETER; TRACKING CALORIMETER	4	100	75.0
1516	3-DIMENSIONAL MEMS; MEMS TECHNOLOGY; SELF-ASSEMBLY; SCRATCH DRIVE ACTUATOR; MICROSYSTEMS	4	75	25.0
1369	BREAKDOWN CHARACTERISTICS; BREAKDOWN PROTECTION; SEMICONDUCTOR PIXEL DETECTOR READOUT CHIP; SELECTED EVENTS; RADIATION EFFECTS	4	50	25.0

Nr.	Forschungsfront	K	I	CH%
2168	GRAVEL DEPOSITS; SEDIMENTARY DEPOSITS; 3-DIMENSIONAL HETEROGENEOUS CONDUCTIVITY FIELDS; HETEROGENEOUS AQUIFERS STATISTICAL DESCRIPTION; STRUCTURE-IMITATING PROCESS-IMITATING	4	50	25.0
857	LIFETIME; LOCALIZED LIFETIME CONTROL; INNOVATIVE LOCALIZED LIFETIME CONTROL; PROTON IRRADIATION; PROTON IMPLANTATION	4	50	25.0
731	CHRONIC NEURAL RECORDING; NEURAL ACTIVITY; PARALLEL RECORDING; 3-DIMENSIONAL MICROELECTRODE ARRAY; SILICON-SUBSTRATE MICROELECTRODE ARRAYS	4	25	25.0
914	DYNAMIC PIEZOELECTRIC TRANSLATION DEVICES; SIMPLE PIEZOELECTRIC TRANSLATION DEVICE; VERTICAL PIEZOELECTRIC INERTIAL SLIDER	3	0	100.0
5	NATURAL ORGANIC SOLUTES; DISSOLVED NATURAL ORGANIC MATERIAL; TRANSFORMATION KINETICS; PHOTOSENSITIZED TRANSFORMATIONS INVOLVING ELECTRONIC-ENERGY TRANSFER; PHOTOPRODUCTION	3	0	66.7
2179	ONCE-THROUGH WEAPONS PLUTONIUM BURNING; LWR PLUTONIUM FUELS WITHOUT URANIUM; PHYSICS FEASIBILITY; NEW FUEL MATERIAL; IRRADIATED REGION	3	33	33.3
1631	SOIL VAPOR EXTRACTION; VAPOR AQUEOUS; UNSATURATED SOILS DURING VAPOR EXTRACTION; HYDROCARBON-CONTAMINATED SOILS; INSITU SOIL VENTING	3	33	33.3
234	ROBOTIC MANIPULATORS; TIME-OPTIMAL CONTROL; MINIMUM-TIME CONTROL; TIME-OPTIMAL MOTIONS; ROBOTS	3	0	33.3
587	SOLUTION BREAKDOWN; SELF-SIMILAR NEARLY INVISCID AXISYMMETRICAL VORTICES; LOSS-FREE TRANSITIONS BETWEEN FLOW STATES; FORCE-FREE; FAMILY	3	0	33.3
2389	ALL-OPTICAL DEMULTIPLEXING; ALL-OPTICAL WAVELENGTH CONVERTER SCHEME; HIGH-SPEED RZ SIGNAL FORMATS; 80; 10 GB/S SIGNALS	2	100	100.0
2301	PULSE DURATION; LASER-ABLATION; LASER-INDUCED PRESSURE WAVES DURING HOLMIUM LASER-ABLATION; EFFECTS; EFFECT	2	100	100.0
2292	SUBSTITUTED PHENOLS; UNCOUPLING ACTIVITY; PARTITIONING; OCTANOL-WATER SYSTEMS; LIPOSOME-WATER BIOMEMBRANE-WATER	2	100	100.0
2219	AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS; CONTINUOUS AFFINITY DISTRIBUTIONS; HETEROGENEOUS SORBENTS EXACT RESULTS VERSUS EXPERIMENTAL-DATA INVERSION; HOMOGENEOUS	2	50	100.0
2247	PHOTOELECTRIC CHARGING; MONITORING PAH-EMISSIONS; COMBUSTION PROCESSES; AEROSOL EMISSION; ROAD TUNNEL	2	50	100.0
2254	CARBIDES VIA SOLAR CARBOTHERMAL REDUCTION; SOLAR THERMAL PRODUCTION; SYNGAS VIA COMBINED ZNO-REDUCTION; METALS NITRIDES; METAL-OXIDES	2	0	100.0
2010	DELPHI; BARREL RING IMAGING CHERENKOV COUNTER; FORWARD RING IMAGING CHERENKOV DETECTOR	2	0	100.0
2076	PARTICLE TRACKING VELOCIMETRY; 3-DIMENSIONAL FLOWS PARTICLE TRACKING; PARTICLE COORDINATES; 3-DIMENSIONAL FLOWS PHOTOGRAMMETRIC DETERMINATION	2	0	100.0
2380	CHEMICAL; CHEMICAL OR BIOCHEMICAL APPLICATIONS; BIOCHEMICAL SENSING; OPTICAL TRANSDUCERS; MINIATURE INTEGRATED OPTICAL MODULES	2	100	50.0
2328	PHOTOBOOK CONTENT-BASED MANIPULATION; MULTIPLE MOTION ESTIMATION; IMAGE DATABASES; COMPACT REPRESENTATIONS; VIDEOS THROUGH DOMINANT	2	100	50.0
2205	BRAGG GRATING FAST TUNABLE FILTER; COMPRESSION-TUNED SINGLE-FREQUENCY BRAGG GRATING FIBER LASER	2	50	50.0
1730	HETEROGENEOUS MATERIALS; ELASTIC HETEROGENEOUS BODIES; SIZE EFFECTS; RANDOM-FIELD MODELS; APPLICATION	2	50	50.0
1936	HYBRID PHOTODIODE TUBE; NEW HYBRID INTEVAC INTENSIFIED PHOTOCELL; TEST; AIR CHERENKOV TELESCOPES; 1ST RESULTS	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
1259	INTEGRATED MOVABLE MICROMECHANICAL STRUCTURES; IC MICROTRANSDUCERS; FUTURE; ACTUATORS; SENSORS	2	50	50.0
2070	KNBO3 RELEVANT; KNBO3 SINGLE-CRYSTAL; SUPERHIGH ELECTROMECHANICAL COUPLING SURFACE-ACOUSTIC-WAVE PROPAGATION; MATERIALS CONSTANTS; EXPERIMENTAL-STUDY	2	50	50.0
2282	PATTERN-FORMATION; LOCAL ACTIVITY DOMAIN; FITZHUGH-NAGUMO EQUATION; EDGE; CHAOS	2	50	50.0
1372	CURRENT COPIER CELLS; HIGH-SWING HIGH-IMPEDANCE MOS CASCODE CIRCUIT	2	0	50.0
2176	DETAILED KINETIC MODELING; COMBUSTION MODELING SUPPLEMENT-1; EVALUATED KINETIC DATA; C-1-C-3 ALKANE DIFFUSION FLAMES; SUMMARY TABLE	2	0	50.0
1499	GROUNDWATER; SURFACE WATERS; EXAMINE GROUNDWATER SURFACE DISCHARGE INTERACTION; TOOL; RIO-GRANDE-DE-MANATI PUERTO-RICO	2	0	50.0
1377	LAST CENTURY; INCREASES; EXPOSURE; ENVIRONMENT; CARCINOGENIC PAHS	2	0	50.0
2215	LOSSLESS IMAGE COMPRESSION; HIGH COMPRESSION IMAGE-CODING USING; ADAPTIVE MORPHOLOGICAL SUBBAND DECOMPOSITION; COMPARATIVE-STUDY	2	0	50.0
2129	RADIOACTIVE NUCLEI; MUON-CATALYZED FUSION; GLOBAL PHYSICS APPROACH; DESIGN STUDY; 14-MEV HIGH-FLUX NEUTRON SOURCE BASED	2	0	50.0
1831	RESONANT CAVITY-ENHANCED %RCE< PHOTODETECTORS; RESONANT-CAVITY ENHANCED PHOTONIC DEVICES	2	0	50.0
758	VOLTAGE STABILITY; VOLTAGE STABILITY EVALUATION USING MODAL-ANALYSIS; ESTIMATING; POWER-SYSTEM	2	0	50.0

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Nr.	Forschungsfront	K	I	CH%
389	FLUXES; SURFACE FLUXES; SURFACE HEAT-FLUX; AREALLY-AVERAGED SURFACE FLUXES; GRID-AVERAGED SURFACE FLUXES	50	10	10.0
197	3-DIMENSIONAL SIMULATION; INTRINSIC ATTENUATION; SCATTERING; EFFECT; SEPARATION	50	34	2.0
453	GLOBAL SEA-LEVEL RISE; FLUXES; ESTUARINE PLUMES; BAY; GIRONDE ESTUARY	48	10	4.2
163	BENTHIC FORAMINIFERA; DEEP-SEA; PATTERNS; PHYTODETRITUS; BENTHIC RESPONSE	47	17	4.3
1225	NEW-ZEALAND; EVIDENCE; LAST GLACIAL PERIOD; CLIMATE; NORTH-ATLANTIC OCEAN DURING	46	37	17.4
269	SOLUTIONS; ENSEMBLE FORECASTING; NAVIER-STOKES EQUATIONS; PREDICTABILITY; FORECAST ERRORS	45	36	2.2
621	DECCAN FLOOD BASALTS; FLOOD BASALTS; CONTINENTAL FLOOD VOLCANISM; FLOOD VOLCANISM; CRETACEOUS TERTIARY BOUNDARY	44	11	2.3
83	MANTLE; PARTIAL MELTING; MELTING; UPPER MANTLE; ORIGIN	43	9	7.0
73	SOUTH CHINA; EVOLUTION; CENTRAL CHINA; NORTH; SOUTH CHINA BLOCKS	41	22	4.9
161	HIMALAYA; RIVER NETWORKS; TECTONIC EVOLUTION; ASIA; KARAKORAM HIMALAYA	37	22	2.7
649	CENTRAL CHINA; CHINESE LOESS; LOESS PLATEAU; CENTRAL CHINA DURING; LOESS STRATIGRAPHY	36	25	8.3
285	NORTHERN APENNINES; TYRRHENIAN SEA; APENNINES; EXTENSION; LITHOSPHERE	36	22	2.8
402	LAURENTIA; CENTRAL BRAZIL; ORIGIN; SOUTH CHINA; SM-ND GEOCHRONOLOGY	34	21	8.8
215	PETROGENESIS; SUPERIOR PROVINCE; ARCHEAN ACCRETION; ARCHEAN ZIMBABWE CRATON; ARCHEAN SLAVE PROVINCE	32	34	9.4
601	APATITE; THERMAL ANNEALING; FISSION TRACKS; APATITE FISSION-TRACK ANNEALING; APATITE FISSION-TRACK DATA	31	10	6.5
456	CLOUDS; OBSERVATIONS; ABSORPTION; RAINFALL; FRACTAL CLOUDS	31	29	3.2
235	CO2; ATMOSPHERIC CO2; SEAWATER; OCEAN; OCEANIC UPTAKE	30	17	6.7
16	WEST ANTARCTIC ICE-SHEET; ICE STREAM-B ANTARCTICA; ANTARCTIC ICE STREAMS; ANTARCTIC ICE-SHEET; ICE STREAM-C WEST ANTARCTICA	29	14	6.9
463	SEQUENCE STRATIGRAPHY; PALEOSOLS; ALLUVIAL PALEOSOLS; EARLY; EFFECTS	29	10	3.4
405	OXYGEN; OXYGEN ISOTOPE FRACTIONATION; CALCULATION; SYNTHETIC FLUID INCLUSIONS; SYSTEM H2O-NACL	28	7	3.6
396	EARLY CAMBRIAN EVOLUTION; EARLY ANIMAL EVOLUTION NEOPROTEROZOIC EARLY CAMBRIAN; EARLY ANIMAL EVOLUTION; EARLIEST CAMBRIAN; ANIMAL EVOLUTION	27	56	7.4
204	MICROBIAL MEDIATION; PRECIPITATION; CALCITE; REEF FORMATION; MICROBIAL PRECIPITATION	27	19	7.4
440	MIXING; TURBULENCE; TURBULENT MIXING; BOUNDARY MIXING; SLOPE	25	8	8.0
689	MINERAL DUST; MINERAL AEROSOL; DUST; AEROSOL CHARACTERIZATION; AEROSOL PROPERTIES	25	52	4.0
1181	THERMODYNAMIC PROPERTIES; THERMODYNAMIC; AQUEOUS SPECIES; HIGH-PRESSURES; CALCULATION	25	36	4.0
580	LATE QUATERNARY PALEOCLIMATE; CAVE STALAGMITE; CAVE DEPOSITS; PALEOCLIMATE; LATE QUATERNARY PALEOTEMPERATURES DERIVED	22	27	4.5

Nr.	Forschungsfront	K	I	CH%
1070	LAST TERMINATION; WEICHSELIAN LATE-GLACIAL; REVIEW; DEVENSIAN WEICHSELIAN LATE-GLACIAL; LATE-GLACIAL RADIOCARBONSTRATIGRAPHY	20	40	10.0
1047	PRECIPITATION; RAIN-GAUGE DATA; APPLICATION; UNITED-STATES; UNITED-STATES PRECIPITATION DATA	18	33	5.6
638	RADIOSONDE DATA; VARIATIONAL; ASSIMILATION; SHORT-RANGE FORECAST ERRORS; VARIATIONAL ANALYSIS	18	22	5.6
1076	CARPATHIANS; EVOLUTION; PANNONIAN BASIN; TERTIARY EVOLUTION; NEOGENE EVOLUTION	18	17	5.6
1017	LASER ABLATION INDUCTIVELY COUPLED PLASMA MASS-SPECTROMETRY; LASER-ABLATION INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY; LASER-ABLATION INDUCTIVELY-COUPLED PLASMA-MASS SPECTROMETRY MICROANALYSIS; INDUCTIVELY COUPLED PLASMA MASS-SP	15	33	20.0
1555	GREENLAND ICE-SHEET; GREENLAND; GREENLAND ICE-SHEET RESPONSE; GREENLAND ICE-SHEET MEASUREMENT; GREENLAND ICE-SHEET SURFACE-PROPERTIES	15	33	13.3
1274	KINETICS; STRUCTURAL PHASE-TRANSITIONS; SINGLE-CRYSTAL X-RAY STRUCTURE STUDY; X-RAY SINGLE-CRYSTAL DIFFRACTION STUDY; SYNTHETIC PYROPE ALMANDINE GARNETS	15	27	13.3
1138	TILLAGE; TILLAGE EROSION; CESIUM-137 MEASUREMENTS; SOIL REDISTRIBUTION; SOIL TILLAGE	14	36	7.1
89	CALCITE; DISSOLUTION; CALCITE SURFACE; CALCITE GROWTH; SCANNING FORCE MICROSCOPY	13	0	15.4
22	QUARTZ DISSOLUTION; DISSOLUTION; DISSOLUTION RATES; FELDSPAR DISSOLUTION KINETICS; WEATHERING DISSOLUTION KINETICS	13	0	15.4
365	ICELAND; SOUTH FLANK; MICROEARTHQUAKES; PARKFIELD CALIFORNIA; RELATIVE LOCATIONS	12	17	8.3
1156	STRATIGRAPHIC SEQUENCES; STRATIGRAPHIC SIMULATION; STRATIGRAPHIC MODELING; STRATIGRAPHIC FORCING EXAMPLES; HIGH-FREQUENCY PLATFORM CARBONATE CYCLES	12	17	8.3
119	EXPERIMENTAL CALIBRATION; HORNBLENDE; AL-IN-HORNBLENDE BAROMETER; PRESSURE; GEOTHERMOMETER GEOBAROMETER CALIBRATION	11	0	9.1
768	**TRANS-HUDSON OROGEN CANADA; FLIN-FLON BELT TRANS-HUDSON OROGEN CANADA; FLIN-FLON BELT CANADA; PROTEROZOIC HISTORY; PROTEROZOIC COLLISION ZONE SURPRISES**	**9**	**22**	**33.3**
397	ADSORPTION; DESORPTION; SORPTION; HUMIC SUBSTANCES; DISSOLVED ORGANIC-CARBON ADSORPTION	9	0	11.1
1032	**LOCAL EARTHQUAKE DATA; TOMOGRAPHIC INVERSION; LOCAL EARTHQUAKE TOMOGRAPHY; 3-DIMENSIONAL VELOCITY STRUCTURE; MOUNT ST-HELENS USING EARTHQUAKE DATA**	**8**	**12**	**25.0**
1053	NOBLE-GASES; HELIUM; HELIUM VOLATILE FLUXES; HELIUM NEON; EARTH	8	12	12.5
1180	MELTING; ORIGIN; PARTIAL MELTING; WATER-UNDERSATURATED MELTING; FLUID-ABSENT %DEHYDRATION< MELTING	8	0	12.5
1121	MINERAL SOLUBILITIES; PREDICTION; CHEMICAL-EQUILIBRIUM MODEL; NATURAL-WATERS; SYSTEM NA-K-MG-CL-SO4-OH-H2O	8	0	12.5
590	POTENTIAL VORTICITY DIAGNOSTICS; ISENTROPIC POTENTIAL VORTICITY MAPS; POTENTIAL VORTICITY-BASED STUDY; CYCLOGENESIS; STRATOSPHERIC INTRUSIONS	7	43	28.6
1570	AQUATIC COLLOIDS; COLLOIDS; CHARACTERIZATION; SAMPLING MARINE COLLOIDS OVERVIEW; ORGANIC-CARBON RESULTS	7	29	28.6
2001	ASIA; CO2 EMISSIONS; ANTHROPOGENIC EMISSIONS; SULFUR-DIOXIDE EMISSIONS; SO2 NOX	7	29	14.3
1458	REVERSIBILITY; SORPTION; CESIUM SORPTION; SORPTION KINETICS; ILLITE	7	14	14.3
1252	WESTERN SWISS ALPS; WESTERN SWISS-ITALIAN ALPS; HELVETIC NAPPES; WESTERN EDGE; CENTRAL ALPS SWITZERLAND	6	33	100.0

Nr.	Forschungsfront	K	I	CH%
1818	DIESEL SOOT PARTICLES; SOOT; CARBON; CARBON AEROSOLS; HYGROSCOPIC PROPERTIES	6	67	33.3
1636	GOETHITE; SURFACE; ADSORPTION; GOETHITE SURFACE VOLTAMMETRIC EVALUATION; COMPETITIVE SURFACE COMPLEXATION	6	33	33.3
1838	ISOTOPIC ANALYSIS; LAKE-ONTARIO; ISOTOPIC SOURCE IDENTIFICATION; ITS ISOTOPIC COMPOSITION; ORGANIC-MATTER SOURCES	6	33	33.3
1446	VORTEX FORMATION; SHALLOW-WATER FLOW PAST ISOLATED TOPOGRAPHY VORTICITY PRODUCTION; GRAVITY-WAVE DRAG SPLITTING FLOW; CONTINUOUSLY STRATIFIED FLOWS PAST ISOLATED TOPOGRAPHY; VORTEX SHEDDING	6	33	33.3
1109	GLACIERS; ROCK GLACIERS MODELS; DEBRIS-COVERED GLACIERS; GLACIER ICE-CORED ROCK GLACIERS; ROCK GLACIERS ROCK GLACIER MORPHOLOGY CLASSIFICATION	6	0	33.3
2295	ARCTIC; ARCTIC DURING; 1995-96 ARCTIC WINTER; PROLONGED STRATOSPHERIC OZONE LOSS; INCREASED POLAR STRATOSPHERIC OZONE LOSSES	6	100	16.7
1459	EASTERN ALPS; EASTERN ALPS EVIDENCE; EASTERN ALPS THERMOCHRONOLOGICAL INTERPRETATION; NORTHERN CALCAREOUS ALPS %LATE CRETACEOUS EASTERN ALPS AUSTRIA<; RABENWALD %EASTERN ALPS AUSTRIA<	6	33	16.7
1384	EVOLUTION; VARISCAN BELT; VARISCAN REGIONS; EUROPEAN VARISCAN FOLD BELT PALEOMAGNETIC; GEODYNAMIC EVOLUTION	6	33	16.7
1245	HETEROGENEITY; SEISMIC ANISOTROPY; UPPER-CRUSTAL SEISMIC VELOCITY HETEROGENEITY; FRACTAL DISTRIBUTION; PETROPHYSICAL LOGS	6	33	16.7
1724	ZIRCON GROWTH; CATHODOLUMINESCENCE STUDY; MICROPROBE STUDY; MULTIPLE ZIRCON GROWTH; INTERNAL ZIRCON MORPHOLOGY	5	20	60.0
1364	KAOLINITE; SURFACE-CHARGE CHARACTERISTICS; KAOLINITE DISSOLUTION RATES; SURFACE-CHARGE PROPERTIES; DISSOLUTION KINETICS	5	20	20.0
664	ANNUAL TEMPERATURE %1590-1979<; TREE-RING DENSITY RECONSTRUCTIONS; NORTH-AMERICA; HIGH NORTHERN LATITUDE TEMPERATURE RECONSTRUCTIONS BASED; TREE-RING WIDTH	5	0	20.0
1656	FLOW LAWS; SOLID-STATE FLOW; POLYMINERALIC ROCKS; LOW METAMORPHIC GRADE GRANULAR FLOW; ROCKS CONTAINING 2 NONLINEAR VISCOUS PHASES	4	0	75.0
1294	ORDINARY CHONDRITES; CHONDRITES BASED; OTHER CHONDRITES; COSMIC-RAY EXPOSURE HISTORY; COSMIC-RAY PRODUCTION-RATES	4	0	50.0
2255	STRATOSPHERIC; TRENDS; LOWER STRATOSPHERIC OZONE; OBSERVED OZONE TRENDS; GAS EXPERIMENT OZONE TRENDS	4	75	25.0
620	NORTH-AMERICA; PALEOMAGNETIC RESULTS; PHANEROZOIC PALEOMAGNETIC POLES; SEDIMENTARY-ROCKS; OTHER GEOLOGIC PHENOMENA	4	25	25.0
906	CLIMATOLOGICAL TIME-SERIES; ADJUSTING CLIMATOLOGICAL TIME-SERIES; REGIONAL CLIMATE-CHANGE; PRECIPITATION DATA; NEW METHOD	4	0	25.0
755	CORRELATION; CALCAREOUS NANNOFOSSIL ZONATION; APTIAN CALCAREOUS NANNOFOSSIL STRATIGRAPHY; UPPER M-SEQUENCE MAGNETIC-ANOMALIES; SOUTHERN ALPS	4	0	25.0
476	IRON%III<; AMORPHOUS IRON%III< HYDROXIDE HYDRATE; REVIEW; REACTION-MECHANISM; PROPERTIES	4	0	25.0
321	STABILITY; SERPENTINITE; QUARTZ; PHENGITE GEOBAROMETRY BASED; PHASE-RELATIONS	4	0	25.0
2331	DEPOSITIONAL SEQUENCES; EVOLUTION; MAGNETOSTRATIGRAPHIC CONSTRAINTS; MAGNETOSTRATIGRAPHIC CALIBRATION; DEPOSITIONAL SYSTEMS	3	100	100.0
1404	GOLD; SOLUBILITY; HYDROTHERMAL SOLUTIONS; AQUEOUS SULFIDE SOLUTIONS; HYDROSULFIDE COMPLEXING	3	33	33.3

Nr.	Forschungsfront	K	I	CH%
1707	IVREA ZONE; MAGMATIC UNDERPLATING; STRUCTURAL GEOMETRY LOWER CRUSTAL MAGMATIC UNDERPLATING; IVREA VERBANO ZONE NORTHERN ITALY; HYBRID LOWER CRUST FORMED	3	33	33.3
1110	REGIONAL AIR-QUALITY MODELING; REGIONAL ATMOSPHERIC CHEMISTRY MODELING; NEW MECHANISM; 2ND GENERATION REGIONAL ACID DEPOSITION MODEL CHEMICAL MECHANISM; GROUND REFLECTIONS	3	33	33.3
1611	REVERSAL TEST; NEW FOLD TEST; ROCK; PALEOMAGNETISM; PALEOMAGNETIC STUDIES	3	0	33.3
2263	HIGH-ALPINE SITE JUNGFRAUJOCH SWITZERLAND; OUTSTANDING SAHARAN DUST EVENT; AEROSOL CLIMATOLOGY; STUDY	2	50	100.0
2247	PHOTOELECTRIC CHARGING; MONITORING PAH-EMISSIONS; COMBUSTION PROCESSES; AEROSOL EMISSION; ROAD TUNNEL	2	50	100.0
1738	SWISS-ITALIAN ALPS; SWISS ALPS %SUB-ALPINE MOLASSE; MOST EXTERNAL PART; LARGE-SCALE MIOCENE DEFORMATION; JURA FOLD BELT<	2	50	100.0
2101	MODELING; H+; CU2+ ADSORPTION; CALCIUM-MONTMORILLONITE; ACID-BASE CHEMISTRY	2	0	100.0
2323	X-RAY-ABSORPTION FINE-STRUCTURE; X-RAY-ABSORPTION %EXAFS< SPECTROSCOPIC STUDY; NI2+; MOLECULAR-DYNAMICS STUDIES; ION-PAIRING	2	100	50.0
1918	AR-40/AR-39 DATING; BRUNHES-MATUYAMA GEOMAGNETIC-FIELD REVERSAL; AR-40/AR-39 INCREMENTAL HEATING ANALYSES; MATUYAMA-BRUNHES GEOMAGNETIC POLARITY REVERSAL; DURATION	2	50	50.0
2194	URBAN AREAS; URBAN RURAL; TRACE-ELEMENTS; TOTAL SUSPENDED PARTICULATES %TSP<; SWITZERLAND	2	0	50.0

CH-Forschungsfronten 1999
Immunology

Nr.	Forschungsfront	K	I	CH%
1184	HLA-G; HUMAN NATURAL-KILLER-CELLS; HLA-G EXPRESSION; HUMAN TROPHOBLASTS; HUMAN LYMPHOID	50	72	16.0
1881	HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 RNA; PLASMA; HIV-1; QUANTIFICATION; HIV-1 SUBTYPES	41	54	4.9
528	CHARACTERIZATION; STAPHYLOCOCCUS-AUREUS; COAGULASE-NEGATIVE STAPHYLOCOCCI; STAPHYLOCOCCI; ADHERENCE	33	33	3.0
1474	**IMMUNOTHERAPY; BIRCH POLLEN; SPECIFIC IMMUNOTHERAPY; POLLEN ALLERGENS; BEE VENOM IMMUNOTHERAPY**	**28**	**46**	**21.4**
1664	INTERFERON-GAMMA PRODUCTION; DEVELOPMENT; RESPONSES; IL-10 PRODUCTION; NEONATAL MICE	28	50	3.6
908	AMINOGLYCOSIDES; METAANALYSIS; EFFICACY; VANCOMYCIN	22	32	4.5
1102	**IMMUNOLOGICAL MEMORY; MEMORY; CD8%+< MEMORY T-CELLS; SURVIVAL; MEMORY-PHENOTYPE T-CELLS**	**20**	**80**	**25.0**
1616	STREPTOCOCCUS-PNEUMONIAE; CLINICAL ISOLATES; ANTIMICROBIAL RESISTANCE; SEROTYPE-23F STREPTOCOCCUS-PNEUMONIAE; DRUG-RESISTANT STREPTOCOCCUS-PNEUMONIAE	20	15	5.0
1157	**FAS; PERFORIN PATHWAYS; PERFORIN FAS LIGAND; T-CELL-MEDIATED CYTOTOXICITY; FAS LYTIC PATHWAYS**	**15**	**40**	**46.7**
841	CHOLERA-TOXIN; ADJUVANT; NONTOXIC MUTANT; INDUCTION; ADP-RIBOSYLTRANSFERASE ACTIVITY	15	40	6.7
2027	T-CELLS; SHORTENED TELOMERES; T-CELL EQUIVALENT; CD8%+< T-CELL CLONES; EXPANDED CD4%+<	12	67	8.3
1903	**DEVELOPMENT; EARLY T-CELL DEVELOPMENT; THYMOCYTE DEVELOPMENT; EARLY ALPHA-BETA-T-CELL DEVELOPMENT; BETA-BLOCK THYMOCYTE DEVELOPMENT**	**11**	**36**	**27.3**
1676	CYTOKINES; FLOW-CYTOMETRY; DETECTION; INTERFERON-GAMMA; INTRACELLULAR CYTOKINE SYNTHESIS	11	27	18.2
2175	**HUMAN MHC CLASS-I MICA GENE; MICA; MICA GENE; MICA GENES; HLA CLASS-I REGION**	**10**	**80**	**40.0**
760	**HUMAN MAST-CELLS; HUMAN MAST-CELL; HUMAN DERMAL MAST-CELLS CONTAIN; HUMAN MAST-CELLS PRODUCE IL-8; NORMAL**	**10**	**0**	**30.0**
1484	LEPROSY; NERVE DAMAGE; LEPROSY USING; LEPROSY PATIENTS TREATED; PATIENTS	10	20	10.0
2056	PATIENTS COINFECTED; HEPATITIS-C VIREMIA; HUMAN-IMMUNODEFICIENCY-VIRUS; HIV; HEPATITIS-C VIRUS-REPLICATION	9	56	11.1
1391	**ELDERLY; ELDERLY SUBJECTS; SUPPLEMENTATION; ELDERLY CLINICAL; HEALTHY ELDERLY SUBJECTS**	**8**	**12**	**25.0**
1304	**HUMAN EOSINOPHILS; RANTES; RANTES IS; CYTOKINE RANTES; CYTOKINE RANTES RELEASED**	**8**	**0**	**25.0**
2214	LEISHMANIA-MAJOR; DNA ENCODING; LEISHMANIA-MAJOR INDUCED; PROTECTIVE LEISHMANIA ANTIGEN; SINGLE ANTIGEN	8	50	12.5
1623	REGULATION; MHC CLASS-II EXPRESSION; MHC CLASS-II TRANSCRIPTION; MHC CLASS-II GENES LESSONS; MHC CLASS-II TRANSACTIVATOR MUTATED	7	29	42.9
1371	IMMUNOGLOBULIN CLASS SWITCHING; ANTIBODY CLASS SWITCHING; IMMUNOGLOBULIN ISOTYPE SWITCHING; S-MU-S-EPSILON HEAVY-CHAIN CLASS SWITCHING; IMMUNOGLOBULIN CLASS SWITCH BEYOND ACCESSIBILITY	7	71	14.3
1850	HAEMOPHILUS-INFLUENZAE TYPE-B; CARRIAGE; CONJUGATE VACCINES; HAEMOPHILUS-INFLUENZAE TYPE-B VACCINATION; HAEMOPHILUS-INFLUENZAE TYPE-B %HIB<	7	57	14.3

Nr.	Forschungsfront	K	I	CH%
1207	CANDIDA SPECIES; CANDIDA-ALBICANS; VIRULENCE; CANDIDA-ALBICANS ATTENUATES VIRULENCE; DISSEMINATED CANDIDA-ALBICANS INFECTION	6	33	33.3
2151	HIV-1 INCIDENCE; RURAL UGANDAN COHORT; INCIDENCE; RURAL UGANDAN POPULATION COHORT; RURAL UGANDAN POPULATION COHORT STUDY	6	67	16.7
217	PSEUDOMONAS-AERUGINOSA; PSEUDOMONAS-AERUGINOSA BACTEREMIA; PSEUDOMONAS-AERUGINOSA INFECTIONS; PSEUDOMONAS-AERUGINOSA OUTER-MEMBRANE PORIN PROTEIN-F GENE; TITRATION CALORIMETRIC STUDIES	6	33	16.7
905	TRYPANOSOMA-CRUZI; INTERLEUKIN-10; TRYPANOSOMA-CRUZI INFECTION; EXPERIMENTAL TRYPANOSOMA-CRUZI INFECTION; MURINE TRYPANOSOMA-CRUZI INFECTION QUANTITATION	6	0	16.7
1078	CHICKEN MAJOR HISTOCOMPATIBILITY COMPLEX; CHICKEN MHC %B-COMPLEX<; MAJOR HISTOCOMPATABILITY COMPLEX; CLASS-I GENES; MHC CLASS-I RT1-A MOLECULES	5	20	40.0
2317	PATIENTS; HIV-INFECTED PATIENTS; RITONAVIR PLUS SAQUINAVIR; RITONAVIR PLUS SAQUINAVIR-CONTAINING REGIMEN; VIROLOGICAL EVIDENCE	4	100	25.0
1825	MUMPS; MEASLES MUMPS; MUMPS OUTBREAK; RUBELLA; HIGHLY VACCINATED POPULATION	4	25	25.0
594	RAT; MRC OX-42; RAT T-CELL ANTIGEN RECEPTOR THAT INDUCES T-CELL ACTIVATION DIFFERENTIAL REACTIVITY; ACTIVATED RAT T LYMPHOCYTES INCLUDING; 2 MONOCLONAL-ANTIBODIES MRC OX-41	4	25	25.0
1962	BINDING; ENDOTHELIAL-CELL BINDING; NEUTROPHIL EMIGRATION; HEPARAN-SULFATE OR HEPARIN ENHANCES NEUTROPHIL RESPONSES; PROTEOGLYCANS	4	0	25.0
2124	CHEESE PRODUCED; ALLERGY; GOATS MILK; COWS MILK; COW SHEEP	3	33	66.7
1987	T-CELL RESPONSE IMPLICATIONS; TH1 OR TH2 HUMAN T-CELL CLONES; INTERFERON-GAMMA-PRODUCING HUMAN CD4+ T-CELLS; NEGLECTED ROLE; ITS CLINICAL USE	3	33	33.3
1077	ANTIGENS; IMMUNE-SYSTEM; MONOCLONAL-ANTIBODY REACTIVE; RUMINANT IMMUNE-SYSTEM; CROSS REACTIVE MONOCLONAL-ANTIBODIES	3	0	33.3
2272	HEPATITIS-B; HEPATITIS-B INFECTION; HEPATITIS-B PREVENTION; OVERVIEW; GLOBAL PROGRAM	3	0	33.3
1966	LETHALITY; INTERLEUKIN-12 IS REQUIRED; INTERLEUKIN-12 IS PRODUCED IN-VIVO DURING ENDOTOXEMIA; STIMULATES SYNTHESIS; MICE	3	0	33.3
2291	TIME-DEPENDENT FASHION; IMMUNOLOGY TAUGHT; IMMUNE REACTIVITY; GEOGRAPHICAL VIEW; DOSE-DEPENDENT	2	100	100.0
178	ANTIGEN PRESENTATION; RECEPTOR-MEDIATED ANTIGEN UPTAKE; CLASS-II-RESTRICTED LYMPHOCYTES-T; B-CELLS; ANTIGEN-SPECIFIC INTERACTION BETWEEN T-CELLS	2	0	100.0
1580	HUMAN VACCINATION; HUMAN UNIVERSALLY ANTIGENIC TETANUS TOXIN T-CELL EPITOPES; HUMAN MHC CLASS-II; UNIVERSALLY IMMUNOGENIC T-CELL EPITOPES PROMISCUOUS BINDING; PROMISCUOUS RECOGNITION	2	0	100.0
878	IGE HIDDEN; HUMAN IGE SYNTHESIS INVITRO DETECTION; IMMUNE-COMPLEXES; CHILDREN; ASTHMA	2	0	100.0
1924	MONOCLONAL IMMUNOGLOBULIN-A ANTIBODY-DIRECTED AGAINST SEROTYPE-SPECIFIC EPITOPE; MONOCLONAL SECRETORY IMMUNOGLOBULIN-A PROTECTS MICE AGAINST ORAL CHALLENGE; SHIGELLA-FLEXNERI LIPOPOLYSACCHARIDE PROTECTS AGAINST MURINE EXPERIMENTAL	2	0	100.0
2361	DIAGNOSIS; PRIMARY CMV INFECTION; PRIMARY TOXOPLASMA-GONDII INFECTION; IMPROVED DIAGNOSIS; ANTITOXOPLASMA IMMUNOGLOBULIN-G AVIDITY	2	100	50.0
2363	IFN-GAMMA RECEPTOR; CYTOKINE RECEPTOR SIGNALING; INTERFERON-GAMMA; CELLULAR-RESPONSES; PARADIGM	2	100	50.0

Nr.	Forschungsfront	K	I	CH%
2386	PROTEASE INHIBITOR THERAPY; HIGHLY-ACTIVE ANTIRETROVIRAL THERAPY %HAART<; UNSELECTED COHORT; HIV-INFECTED PATIENTS; HIV-1-INFECTED INDIVIDUALS REMAINING VIREMIC	2	100	50.0
2244	MACROPHAGES; EARLY INTERLEUKIN-12 PRODUCTION; MACROPHAGES IN-VIVO RESTIMULATION IN-VITRO; MURINE MACROPHAGE IL-12 PRODUCTION ACTIVATION; RESPONSE	2	50	50.0
2200	MUMPS; INDIGENOUS MEASLES MUMPS; RUBELLA; POPULATION PARTIALLY VACCINATED; OUTBREAK	2	50	50.0
832	AOTUS MONKEYS; PROTECTION; AOTUS MONKEYS IMMUNIZED; RECOMBINANT PROTEINS; PROTECTION AGAINST MALARIA	2	0	50.0
1930	CYTOKINES; ATOPIC ASTHMA; SYMPTOMATIC ASTHMA AIRWAYS; BRONCHOALVEOLAR LAVAGE FLUID AFTER SEGMENTAL ALLERGEN PROVOCATION; T-CELLS	2	0	50.0
1400	GUANOSINE CYCLIC 3$,5$-MONOPHOSPHATE USING ACETYLCHOLINESTERASE; ADENOSINE CYCLIC 3$,5$-MONOPHOSPHATE; ENZYME IMMUNOASSAYS; 2 ENZYME IMMUNOMETRIC ASSAYS %EIA< USING ACETYLCHOLINESTERASE; PRODUCTION	2	0	50.0
1747	GUT EPITHELIUM; T-CELL DIFFERENTIATION; DIFFERENT T-CELL RECEPTORS; THYMUS-INDEPENDENT T-CELL DEVELOPMENT; INTESTINAL EPITHELIUM	2	0	50.0
2102	INTERLEUKIN-6; HUMAN MONOCYTES; TUMOR-NECROSIS-FACTOR-ALPHA; STAPHYLOCOCCUS-EPIDERMIDIS STIMULATE HUMAN MONOCYTES; RELEASE TUMOR-NECROSIS-FACTOR-ALPHA INTERLEUKIN-1-BETA	2	0	50.0
2057	NITRIC-OXIDE PRODUCTION; NITRIC-OXIDE SYNTHASE IS NOT; HUMAN MONONUCLEAR PHAGOCYTES; HUMAN MONONUCLEAR PHAGOCYTE INDUCIBLE NITRIC-OXIDE SYNTHASE %INOS< ANALYSIS; INOS MESSENGER-RNA INOS PROTEIN BIOPTERIN	2	0	50.0
2188	PATIENTS; CRITICALLY ILL SURGICAL PATIENTS; RISK-FACTORS; PROPHYLAXIS; MALIGNANT HEMATOLOGIC DISORDERS IMPLICATIONS	2	0	50.0
1567	PERFORIN; MONOCLONAL-ANTIBODY REACTIVE; GRANZYMES INVIVO POTENTIAL DIAGNOSTIC MARKERS; EXPRESSION; CD8+ LYMPHOCYTES-T	2	0	50.0
1896	POLIOMYELITIS; PARALYTIC POLIOMYELITIS SEASONED STRATEGIES DISAPPEARING DISEASE; INDIGENOUS WILD VIRUS-ASSOCIATED DISEASE; LAST REPORTED CASE; EPIDEMIOLOGY	2	0	50.0
1551	PROTEINS; MAMMALIAN-CELL CULTURE; LIGAND LEAKAGE USING 8 DIFFERENT PROTEIN-A AFFINITY-CHROMATOGRAPHY MATRICES; INDUSTRIAL-SCALE HARVEST; IMMUNOGLOBULIN BINDING-CAPACITIES	2	0	50.0
1876	PUBLIC DISCUSSION; MEDICAL-CARE COSTS; INTRAVENOUS-DRUG-USERS; COMMON INFORMATION; BROOKLYN	2	0	50.0
835	T-CELL ACTIVATION; POSSIBLE MECHANISM; MONOCYTE FUNCTION FOLLOWING MAJOR INJURY; IMPAIRMENT; BURN PATIENTS	2	0	50.0
1049	THESE FINDINGS; STUDIES; IMPLICATIONS; ILLNESS; HEALTH-PROBLEMS AFTER TRAVEL	2	0	50.0

CH-Forschungsfronten 1999

Materials Science

Nr.	Forschungsfront	K	I	CH%
668	FEAL; NIAL; EFFECT; IRON ALUMINIDES; DIFFUSION	49	41	2.0
706	STAINLESS-STEEL; ANALYSIS; PASSIVE FILMS; ELECTROCHEMICAL NOISE-ANALYSIS; METASTABLE PITTING	37	16	5.4
40	PASSIVITY; PASSIVE FILM; IRON; PASSIVE FILMS; PASSIVE STATE	36	28	5.6
1174	DIAMOND DEPOSITION; MEASUREMENT; STRESS; DIAMOND FILMS; DIAMOND COATINGS	28	36	3.6
1599	**FUEL-CELLS; POLYMER ELECTROLYTES; WATER; POLYMER MEMBRANES; WATER-UPTAKE**	**19**	**11**	**21.1**
109	ALUMINA; EFFECT; CREEP; ABNORMAL GRAIN-GROWTH; ALUMINA DISTRIBUTIONS	17	18	11.8
829	CREEP-BEHAVIOR; HIGH-TEMPERATURE CREEP-BEHAVIOR; METAL-MATRIX COMPOSITES; THRESHOLD CREEP-BEHAVIOR; DISLOCATION CLIMB	17	12	5.9
1455	ELECTRODEPOSITION; NICKEL-IRON; LITHOGRAPHIC PATTERNING; ANOMALOUS ELECTRODEPOSITION; ELECTRODEPOSITION EXPERI-MENTAL-STUDY	15	33	13.3
1445	A-C-H FILMS DEPOSITED; ELECTRON-CYCLOTRON-RESONANCE PLAS-MA; DEPOSITION; DIAMOND-LIKE CARBON-FILMS; HARD CARBON-FILMS	13	31	7.7
187	IMPACT; IMPACT ANALYSIS; LAMINATED COMPOSITE; IMPACT RES-PONSE; IMPACT RESISTANCE	12	8	8.3
1681	SYNTHESIS; HETEROMETALLIC ALKOXIDES; CHEMICAL SYNTHESIS; CHEMICAL ROUTES; SYNTHESIS STRUCTURAL PRINCIPLES	11	36	9.1
137	SHORT; FIBER LENGTH; SHORT FIBER THERMOPLASTIC MATRIX COM-POSITES; LONG FIBER-REINFORCED POLYPROPYLENE COMPOSITES; FIBROUS COMPOSITES	10	10	10.0
179	AL-CU-MG-AG ALLOYS; AL-CU ALLOYS; AL-CU-MG-AG ALLOYS AGED; AGED AL-CU-MG-%AG< ALLOYS; ALUMINUM LITHIUM ALLOYS	9	22	11.1
465	ALUMINUM NITRIDE; THERMAL-CONDUCTIVITY; ALUMINUM NITRIDE POWDER; ALUMINUM NITRIDE REVIEW; ALUMINUM NITRIDE WHISKERS	9	0	11.1
1807	**LEAD-BASED THIN-FILMS; PZT THIN-FILMS; SOL-GEL DERIVED LEAD ZIRCONATE TITANATE THIN-FILMS; RAPID THERMALLY AN-NEALED LEAD-ZIRCONATE-TITANATE THIN-FILMS; SOLUTION-PROCESSED LEAD ZIRCONATE TITANATE %PZT< THIN-FILMS**	**8**	**0**	**25.0**
1403	6061-AL/SIC COMPOSITES REINFORCED; PARTICULATE REINFORCED ALUMINIUM-SIC COMPOSITES; ALUMINUM SILICON-CARBIDE PARTI-CULATE COMPOSITES PRODUCED; METAL MATRIX COMPOSITES; SICP 2024-AL COMPOSITES	8	12	12.5
2202	LOW-DIELECTRIC-CONSTANT MATERIALS; LOW-DIELECTRIC-CONSTANT APPLICATIONS; MATERIALS ISSUES; LOW-K DIELECTRIC MATERIALS; LOW-DIELECTRIC-CONSTANT POLYMERIC THIN-FILMS	6	83	16.7
1590	SOLIDIFICATION; SOLIDIFICATION BEHAVIOR; NONEQUILIBRIUM SO-LIDIFICATION; THEIR SOLIDIFICATION; UNDERCOOLED METALLIC MELTS	6	33	16.7
93	CHARACTERIZATION; ELECTROCHEMICAL INSERTION; LI& INSERTI-ON; LI1+XV3O8 INSERTION ELECTRODES; LI/LI1+XV3O8 SECONDARY BATTERIES SYNTHESIS	6	17	16.7
69	COMPOSITES; THERMAL-EXPANSION; METAL MATRIX COMPOSITES; METAL-MATRIX COMPOSITES; MATRIX PROPERTIES	6	17	16.7
975	TRIODE-SPUTTERED MOS2 COATINGS; TRIBOLOGICAL PROPERTIES; TRIBOLOGICAL STUDIES; MOS2 SOLID LUBRICANT FILMS HAVING TAILORED METAL-MULTILAYER NANOSTRUCTURES; MOSX SPUTTE-RED FILMS	5	40	20.0

Nr.	Forschungsfront	K	I	CH%
1809	AUTOMOTIVE CLEARCOATS; 2-COAT AUTOMOTIVE FINISHES; DURABLE AUTOMOTIVE TOPCOATS; ROLE; PHOTOOXIDATION	5	20	20.0
1954	MEASUREMENT MODELS; APPLICATION; ERROR STRUCTURE; IMPEDANCE SPECTROSCOPY EVALUATION; IMPEDANCE SPECTROSCOPY DETERMINATION	4	25	50.0
1061	MODELING; MICROSTRUCTURE FORMATION; SOLIDIFICATION MICROSTRUCTURE; GRAPHITE FORMATION; SOLIDIFICATION PROCESSES	4	0	50.0
1155	CATHODIC POLARIZATION PHENOMENA; PEROVSKITE OXIDE ELECTRODES; LA0.9SR0.1MNO3/YSZ ELECTRODES; CURRENT COLLECTORS CATHODIC POLARIZATION; SOLID OXIDE FUEL-CELL CATHODES	4	50	25.0
1173	SCRATCH ADHESION; ADHESION TESTING; SCRATCH ADHESION TESTING; COATING-SUBSTRATE ADHESION; SCRATCH TEST METHOD	4	0	25.0
2393	LITHIUM-ION CELLS; INSERTION ELECTRODE MATERIALS; IN-SITU INVESTIGATION; GRAPHITES; GRAPHITE-ELECTRODES	3	100	100.0
951	LONG-TERM CREEP; NEW 9-12-PERCENT-CR STEELS; TEMPERED MARTENSITE FERRITIC STEELS; 12-PERCENT CHROMIUM STEEL DURING CREEP; MICROSTRUCTURAL CHANGES	3	33	66.7
2327	AMORPHOUS-CARBON FILMS; MULTI-DOPED A-C-H FILMS DURING ANNEALING; STRUCTURAL-CHANGES; SP%3<; SP%2< COMPONENTS	3	100	33.3
2227	ADHESION; POLYMER ADHESION FUNDAMENTALS; POLYMER-FILMS; OVERVIEW; METHOD	3	33	33.3
1553	EFFECT; CONCENTRATED ALUMINA SLURRY; AQUEOUS ALUMINA SUSPENSIONS; POLYACRYLIC-ACID ONTO ALUMINA; RHEOLOGICAL PROPERTIES	3	33	33.3
1981	ROLE; SLIP ADDITIVES; TAPE-CASTING TECHNOLOGY SOLVENTS; TAPE CASTING TECHNOLOGY BINDERS; PLASTICIZERS	3	0	33.3
2336	PERITECTIC ALLOYS; SOLIDIFICATION; PHASE SELECTION DURING SOLIDIFICATION	2	100	100.0
2278	ULTRAHIGH-VACUUM GROWTH; STABLE INPLANE DIRECTIONAL ORDER; SELF-ASSEMBLY; ORGANIC THIN-FILMS; METAL EPITAXY STUDIED	2	50	100.0
1619	LUMINESCENCE; LUMINESCENCE MICROSCOPY; III-V HETEROSTRUCTURES; III-V NANOSTRUCTURES; SCANNING TUNNELING MICROSCOPY	2	0	100.0
1413	DIAMOND THIN-FILMS DIAMOND PHASE IDENTIFICATION SURFACE-MORPHOLOGY; CVD DIAMOND THIN-FILMS GROWN; MICROSTRUCTURE EVOLUTION; LOW SUBSTRATE TEMPERATURES; DEFECT STRUCTURES	2	50	50.0
1942	MIXED OXIDES SIO2-ZRO2; TIO2/SIO2 MIXED OXIDES PREPARED VIA; NON-HYDROLYTIC SOL-GEL ROUTE; SOL-GEL PROCESS CHARACTERIZATION; SIO2-TIO2	2	50	50.0
2050	ABRASION EROSION; EROSION BEHAVIOR; PLASMA-SPRAYED WC-CO COATINGS; OXIDE CERAMIC THERMAL SPRAYED COATINGS; SCUFFING RESISTANCE	2	0	50.0

CH-Forschungsfronten 1999
Mathematics

Nr.	Forschungsfront	K	I	CH%
663	WAVELETS; DESIGN; APPROXIMATION; INTERPOLATION; REFINABLE FUNCTION VECTORS	44	32	2.3
155	DENSITY-ESTIMATION; KERNEL DENSITY-ESTIMATION; LOCAL LINEAR-REGRESSION SMOOTHERS; BANDWIDTH SELECTION; VARIABLE BANDWIDTH	41	17	4.9
642	EMPIRICAL LIKELIHOOD; INFERENCE; APPROXIMATIONS; APPROXIMATE CONDITIONAL INFERENCE; MARGINAL TAIL PROBABILITIES	31	10	3.2
148	HOPF-ALGEBRAS; DIFFERENTIAL-CALCULUS; QUANTUM GROUP GAUGE-THEORY; QUANTUM; CROSSED-PRODUCTS	30	7	3.3
517	GROMOV-WITTEN INVARIANTS; SYMPLECTIC-MANIFOLDS; PSEUDOHOLOMORPHIC CURVES; QUANTUM COHOMOLOGY; SYMPLECTIC STRUCTURES	24	25	4.2
522	PARABOLIC HARNACK INEQUALITY; LIE-GROUPS; POLYNOMIAL-GROWTH; CARNOT-CARATHEODORY SPACES; SOBOLEV SPACES	20	15	5.0
791	NON-HERMITIAN LINEAR-SYSTEMS; NONSYMMETRIC LINEAR-SYSTEMS; LINEAR-SYSTEMS; SOLVING LINEAR-SYSTEMS; IMPLEMENTATION	16	12	12.5
220	EXISTENCE; NONLINEAR-WAVE EQUATIONS; WAVE-EQUATION; NULL FORMS; GLOBAL EXISTENCE	14	7	7.1
25	ESTIMATION; DISTRIBUTION; EXTREME-VALUE DISTRIBUTION; GENERALIZED EXTREME-VALUE DISTRIBUTION; GENERALIZED PARETO DISTRIBUTION	14	0	7.1
477	STOCHASTIC DECOMPOSITION; LARGE-SCALE STOCHASTIC OPTIMIZATION; MULTISTAGE STOCHASTIC LINEAR-PROGRAMS; STOCHASTIC OPTIMIZATION PROBLEMS; MULTISTAGE STOCHASTIC OPTIMIZATION APPLIED	13	0	7.7
12	MULTIFRACTAL ANALYSIS; MULTIFRACTAL FORMALISM; MULTIFRACTAL DECOMPOSITIONS; MULTIFRACTAL NATURE; IMPROVED MULTIFRACTAL FORMALISM	10	30	10.0
1117	POSITIVE SOLUTIONS; EXISTENCE; SOLUTIONS; SEMILINEAR ELLIPTIC-EQUATIONS; MULTIPLE POSITIVE SOLUTIONS	9	33	11.1
871	BOOTSTRAP; DEPENDENT DATA; STATIONARY BOOTSTRAP; GENERAL STATIONARY OBSERVATIONS; STATIONARY RANDOM-FIELDS	9	22	11.1
1916	COMPLEXITY ANALYSIS; COMPLEXITY; CUTTING PLANE ALGORITHM; INTERIOR CUTTING PLANE METHOD; COMPLEXITY ESTIMATES	7	29	14.3
132	SIMULATED ANNEALING; CONVERGENCE; OPTIMIZATION; ANNEALING ALGORITHM; OPTIMAL ANNEALING	7	0	14.3
1085	FINITE VOLUME ELEMENT METHOD; BOX METHOD; TRIANGULAR MIXED FINITE-ELEMENT METHOD; FINITE-ELEMENT APPROXIMATIONS; CONVECTION-DIFFUSION EQUATIONS	6	0	16.7
322	HOLONOMY G-%2<; COMPACT 8-MANIFOLDS; HOLONOMY SPIN%7<; COMPACT RIEMANNIAN 7-MANIFOLDS; OTHER DIMENSIONS	4	75	25.0
1817	DIRICHLET PROCESSES; DIRICHLET OPERATORS VIA STOCHASTIC-ANALYSIS; INFINITE DIMENSIONS SOLUTIONS VIA DIRICHLET FORMS; STOCHASTIC DIFFERENTIAL-EQUATIONS; ITS APPLICATION	4	0	25.0
1463	A-POSTERIORI ERROR ESTIMATION; A-POSTERIORI ERROR-ESTIMATES; POSTERIORI ERROR ESTIMATORS; NONLINEAR PROBLEMS FINITE-ELEMENT DISCRETIZATIONS; ELLIPTIC-EQUATIONS	3	0	33.3
584	NONPARAMETRIC REGRESSION FUNCTION ESTIMATION; LINEAR GROWTH; FLEXIBLE; FAST METHOD; DYNAMICS	3	0	33.3
2099	INTERPOLATION DETERMINANTS; GROUP VARIETIES; FR<< LINEAR-FORMS; 2 LOGARITHMS; LOGARITHMIC FORMS	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1670	MULTIGRID METHODS; MULTIGRID ALGORITHMS; NONCONFORMING FINITE-ELEMENT METHODS; ANALYSIS; NONNESTED SPACES OR NO-NINHERITED QUADRATIC-FORMS	2	0	50.0
711	POISSON APPROXIMATION; COMPOUND POISSON APPROXIMATION; NONNEGATIVE RANDOM-VARIABLES VIA STEIN METHOD; SEMIGROUP APPROACH	2	0	50.0
1813	POSITIVE DEFINITE LAGRANGIAN SYSTEMS; CONNECTING ORBITS; ACTION MINIMIZING INVARIANT-MEASURES; VARIATIONAL CONST-RUCTION	2	0	50.0
1679	SWIFT-HOHENBERG PROBLEM; GINZBURG-LANDAU APPROXIMATION; ERROR-ESTIMATES; TIME-DEPENDENT AMPLITUDE EQUATION	2	0	50.0

CH-Forschungsfronten 1999
Microbiology

Nr.	Forschungsfront	K	I	CH%
568	ACTIVATED-SLUDGE; ENHANCED BIOLOGICAL PHOSPHORUS REMOVAL; BIOLOGICAL PHOSPHORUS REMOVAL; BIOLOGICAL PHOSPHORUS REMOVAL PROCESS; PHOSPHORUS	48	23	2.1
596	HYBRIDOMA CELLS; HYBRIDOMA GROWTH; HYBRIDOMA GROWTH METABOLISM; CORYNEBACTERIUM-GLUTAMICUM; HYBRIDOMA	45	20	8.9
417	BOVINE VIRAL DIARRHEA VIRUS; BOVINE VIRUS DIARRHEA VIRUS; NONCYTOPATHIC BOVINE VIRAL DIARRHEA VIRUS; VIRUS; DETECTION	45	18	4.4
319	FEVER; NEUTROPENIC PATIENTS; CANCER; CANCER-PATIENTS; NEUTROPENIA	44	11	9.1
247	PSEUDOMONAS-AERUGINOSA; BETA-LACTAMASES; CHARACTERIZATION; BETA-LACTAMASE; EFFLUX PUMP%S<	43	42	4.7
680	STAPHYLOCOCCUS-AUREUS; VANCOMYCIN; PHARMACODYNAMICS; VANCOMYCIN RESISTANCE; CYSTIC-FIBROSIS	41	49	9.8
1881	HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 RNA; PLASMA; HIV-1; QUANTIFICATION; HIV-1 SUBTYPES	41	54	4.9
296	PLUM POX POTYVIRUS; NUCLEOTIDE-SEQUENCE; POTYVIRUS; PLUM POX POTYVIRUS DETECTION; POTYVIRUS GROUP	41	27	2.4
63	VIBRIO-CHOLERAE; VIBRIO-VULNIFICUS; VIBRIO-VULNIFICUS BIOTYPES; HUMANS; VIBRIO-VULNIFICUS INFECTIONS	35	40	2.9
528	CHARACTERIZATION; STAPHYLOCOCCUS-AUREUS; COAGULASE-NEGATIVE STAPHYLOCOCCI; STAPHYLOCOCCI; ADHERENCE	33	33	3.0
660	CAMPYLOBACTER-JEJUNI; CAMPYLOBACTER; VIABLE; CAMPYLOBACTER SPP; POULTRY	31	23	3.2
981	HUMAN GRANULOCYTIC EHRLICHIOSIS; HUMAN EHRLICHIOSIS; GRANULOCYTIC EHRLICHIOSIS; EHRLICHIOSIS; DETECTION	30	43	3.3
1132	POLYHYDROXYALKANOATES; PRODUCTION; SYNTHESIS; BACTERIAL POLYHYDROXYALKANOATES; POLY%BETA-HYDROXYALKANOATES<	26	23	7.7
1315	BIOLOGICAL-CONTROL; FUSARIUM-WILT; SUPPRESSION; NONPATHOGENIC FUSARIUM-OXYSPORUM; FLUORESCENT PSEUDOMONADS	26	12	3.8
1429	FELINE CALICIVIRUS; CATS; CALICIVIRUSES; NORWALK VIRUS; CALICIVIRUS RABBIT HEMORRHAGIC-DISEASE VIRUS	25	32	4.0
39	LYME BORRELIOSIS; BORRELIA-BURGDORFERI SENSU-LATO; LYME-DISEASE; LYME BORRELIOSIS SPIROCHETES; LYME BORRELIOSIS CYCLE	23	30	17.4
898	MYCOBACTERIUM-TUBERCULOSIS; TUBERCULOSIS; EPIDEMIOLOGY; MYCOBACTERIUM-BOVIS; MULTIDRUG-RESISTANT MYCOBACTERIUM-TUBERCULOSIS	23	35	8.7
492	BIOFILMS; BIOFILM STRUCTURES; HETEROGENEOUS BIOFILMS; LIQUID FLOW; BIOFILM STRUCTURE	21	29	14.3
306	AIDS; PATIENT; PATIENTS; AIDS PATIENT; URINE	20	25	10.0
738	CHITIN DEGRADATION; ALLOSAMIDIN; CHITINASE SYSTEM; CHITIN; CHITINASE ACTIVITY	20	30	5.0
662	THERMOMONOSPORA-FUSCA; PURIFICATION; LIMITED PROTEOLYSIS; CELLULOSOME; TRICHODERMA-REESEI	20	25	5.0
493	**MYCOBACTERIUM-TUBERCULOSIS; COMPARISON; MYCOBACTERIA; CLINICAL SPECIMENS; DETECTION**	**19**	**58**	**21.1**
290	ACINETOBACTER SPECIES; GENUS ACINETOBACTER; ACINETOBACTER; IDENTIFICATION; ACINETOBACTER-BAUMANNII	19	21	5.3
1537	RESISTANCE; CANDIDA-ALBICANS; CANDIDA-ALBICANS ISOLATES; AZOLE RESISTANCE; AZOLE ANTIFUNGAL AGENTS	17	59	17.6
1658	CATABOLITE REPRESSION; GRAM-POSITIVE BACTERIA; BACTERIA; CRYSTAL-STRUCTURE; BACTERIAL CATABOLITE REPRESSION	16	44	6.3

Nr.	Forschungsfront	K	I	CH%
460	CHARACTERIZATION; LACTIC-ACID BACTERIA; STRUCTURE; YOGURT; MOLECULAR CHARACTERIZATION	16	25	6.3
242	TETRACHLOROETHENE; REDUCTIVE DECHLORINATION; DECHLORINATION; BIOLOGICAL REDUCTIVE DECHLORINATION; REDUCTIVE DEHALOGENATION	15	27	13.3
1534	METHICILLIN RESISTANCE; DETECTION; STAPHYLOCOCCUS-AUREUS; STAPHYLOCOCCI; METHICILLIN-RESISTANT STAPHYLOCOCCI	15	40	6.7
1086	PHANEROCHAETE-CHRYSOSPORIUM; DEGRADATION; SULFONATED AZO DYES; AZO; AZO DYES	15	0	6.7
926	ANAEROBIC DEGRADATION; ANAEROBIC BENZOATE DEGRADATION; AROMATIC-HYDROCARBONS; ANAEROBIC OXIDATION; ANAEROBIC METABOLISM	13	23	15.4
2216	HUMAN-IMMUNODEFICIENCY-VIRUS PROTEASE; HIV-1 PROTEASE; MUTATIONS; HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 PROTEASE INHIBITOR; PROTEASE GENE	13	69	7.7
722	DETECTION; ADENOVIRUS; ADENOVIRUSES; ADENOVIRUS TYPE-3; ADENOVIRUS TYPE-2	13	23	7.7
648	CHARACTERIZATION; PURIFIED ENZYME; PURIFICATION; N-CARBAMOYL-D-AMINO ACID AMIDOHYDROLASE; EXPRESSED ENZYME	12	25	16.7
1523	BACILLUS-CEREUS; MILK; BACILLUS-CEREUS RELATED; EMETIC TOXIN; BACILLUS-CEREUS PRODUCING ENTEROTOXIN	12	25	8.3
434	FOOT-AND-MOUTH-DISEASE VIRUS; FOOT-AND-MOUTH-DISEASE; FOOT-AND-MOUTH-DISEASE VACCINES; CATTLE AGAINST FOOT-AND-MOUTH-DISEASE; FOOT-AND-MOUTH-DISEASE VIRUS PEPTIDE OVERCOME	12	8	8.3
622	BACTERIAL ADHESION; ADHESION; HYDROPHOBICITY; ADHESION POTENTIAL; BACTERIAL HYDROPHOBICITY	11	18	9.1
474	AEROMONAS; AEROMONAS SPP; GENUS AEROMONAS; AEROMONAS STRAINS; MOTILE AEROMONAS SPECIES	11	9	9.1
320	BIOLOGY; EXPRESSION; AFRICAN TRYPANOSOMES; TRYPANOSOMES; ANTIGENIC VARIATION	10	40	10.0
849	CATTLE; RUMEN; METHANE PRODUCTION; METHANE EMISSIONS; RUMEN METHANOGENESIS	10	40	10.0
1080	EXTENDED-SPECTRUM BETA-LACTAMASES; BETA-LACTAMASES; OUTBREAK; SHV BETA-LACTAMASES; HOSPITAL OUTBREAK	10	40	10.0
95	CANINE PARVOVIRUS; CANINE; EVOLUTION; CANINE PARVOVIRUS COORDINATELY DETERMINE; CANINE PARVOVIRUS INVOLVED LOSS	10	10	10.0
737	SACCHAROMYCES-CEREVISIAE; GROWTH; YEASTS; SACCHAROMYCES-CEREVISIAE ANAEROBIC GROWTH; SACCHAROMYCES-CEREVISIAE IS CONTROLLED	9	33	11.1
1533	**ONCHOCERCIASIS; ONCHOCERCIASIS CONTROL; ONCHOCERCIASIS CONTROL PROGRAM; OCULAR ONCHOCERCIASIS; ONCHOCERCIASIS USING**	**8**	**0**	**25.0**
1875	EUCESTODA; PRELIMINARY PHYLOGENETIC ANALYSIS; PHYLOGENY; PHYLOGENETIC CHARACTERS; EUCESTODA %PLATYHELMINTHES CERCOMERIA<	7	86	42.9
1956	BACILLUS-SUBTILIS; BACILLUS-SUBTILIS PATTERNS; SIGNAL PEPTIDASE-I; EUKARYOTIC TYPE-I SIGNAL PEPTIDASES; BACILLUS-SUBTILIS CONTAINS 4 CLOSELY-RELATED TYPE-I SIGNAL PEPTIDASES	7	43	28.6
931	CARBON-PHOSPHORUS BOND-CLEAVAGE; BACTERIA; PHOSPHATE STARVATION-INDEPENDENT CARBON-PHOSPHORUS BOND-CLEAVAGE ACTIVITY; BACTERIAL CARBON-PHOSPHORUS LYASE PRODUCTS RATES; GRAM-NEGATIVE SOIL BACTERIA	6	0	50.0
1131	MOLECULAR EPIDEMIOLOGY; POLIOVIRUSES; WILD POLIOVIRUS TYPE-1; POLIOVIRUS ANALYZED; WILD POLIOVIRUS TYPE-1 GENOTYPES	6	17	33.3

Nr.	Forschungsfront	K	I	CH%
1306	SUGARCANE; ACETOBACTER-DIAZOTROPHICUS; ACETOBACTER-DIAZOTROPHICUS SP-NOV; NITROGEN-FIXING ACETIC-ACID BACTERIUM ASSOCIATED; NEW ACID-TOLERANT NITROGEN-FIXING BACTERIUM ASSOCIATED	6	0	33.3
1448	HUMAN POLYMORPHONUCLEAR LEUKOCYTES; UPTAKE; INTRACELLULAR ACTIVITY; HUMAN NEUTROPHILS; TISSUE-CULTURE CELLS	6	33	16.7
1671	PARASITIC PROTOZOA; TRYPANOSOMA-CRUZI; TRYPANOSOMA-CRUZI INVITRO; MAJOR CYSTEINE PROTEINASE; INHIBITORS	6	33	16.7
839	COMPLETE DNA-SEQUENCE; DNA-SEQUENCE; HERPESVIRUS; MAREKS-DISEASE VIRUS; HERPESVIRUS CLASSIFICATION	6	17	16.7
1791	LISTERIA-MONOCYTOGENES; LISTERIA-MONOCYTOGENES ISOLATED; LISTERIA-MONOCYTOGENES SEROVAR-4B; LISTERIA-MONOCYTOGENES DURING FABRICATION; PULSED-FIELD FINGERPRINTING	6	17	16.7
1336	PRODUCTION; LARGE-SCALE PRODUCTION; C-20-POLYUNSATURATED FATTY-ACIDS; MORTIERELLA FUNGI; MORTIERELLA FUNGI SELECTION	6	17	16.7
1095	REVERSE-TRANSCRIPTASE ASSAY BASED; MEASURING REVERSE-TRANSCRIPTASE ACTIVITY; SENSITIVE REVERSE-TRANSCRIPTASE ASSAY; ANTIMALARIAL ACTIVITY; REVERSE-TRANSCRIPTASE CAPABLE	5	20	40.0
1546	PHYLOGENY; MYCOPLASMAS; MYCOPLASMAS BASIS; MYCOPLASMA-MYCOIDES CLUSTER; 16S RIBOSOMAL-RNA SEQUENCES	5	60	20.0
1943	MYCOBACTERIA; SPECIES LEVEL; RAPID IDENTIFICATION; GENOTYPIC IDENTIFICATION; RESTRICTION-FRAGMENT-LENGTH-POLYMORPHISM ANALYSIS	5	40	20.0
1467	CRYPTOSPORIDIUM-PARVUM; CRYPTOSPORIDIUM-PARVUM OOCYSTS; OZONE CHLORINE DIOXIDE CHLORINE; OZONE INACTIVATION; ADDED OZONE	5	20	20.0
1337	SOPHOROSE LIPIDS; SOPHOROSE LIPID FERMENTATION; SINGLE-CELL OILS HAVE THEY; PRODUCTION PHASES; PRODUCE BIOSURFACTANT	5	20	20.0
1647	INTERFERON; INTERFERON ACTION; INTERFERON SYSTEM; ANTIVIRAL EFFECTS; ANTIVIRAL ACTIONS	5	0	20.0
2023	PSEUDOMONAS-OLEOVORANS; PRODUCTION; PSEUDOMONAS-OLEOVORANS GROWTH; 2-LIQUID-PHASE MEDIA; CONTINUOUS PRODUCTION	4	25	100.0
1898	LEISHMANIASIS; FIGHT AGAINST LEISHMANIASIS; PRACTICAL PROGRESS; POPULATION; NUMBER	3	0	66.7
124	BIOAVAILABILITY; DIFFERENTIAL BIOAVAILABILITY; SORBED 3-CHLORODIBENZOFURAN; SOILS; SOIL-SORBED NAPHTHALENE	3	0	33.3
1430	REPLICATION; SENDAI VIRUS NP-P; SENDAI VIRUS TRANSCRIPTION; DEFECTIVE INTERFERING PARTICLE GENOME REPLICATION INVITRO; P-L PROTEINS ARE REQUIRED	2	0	100.0
2361	DIAGNOSIS; PRIMARY CMV INFECTION; PRIMARY TOXOPLASMA-GONDII INFECTION; IMPROVED DIAGNOSIS; ANTITOXOPLASMA IMMUNOGLOBULIN-G AVIDITY	2	100	50.0
1880	SULFUR METABOLISM PATHWAY; SACCHAROMYCES-CEREVISIAE UPDATING; PSEUDOMONAS-AERUGINOSA; NOVEL REDUCED FLAVIN MONONUCLEOTIDE-DEPENDENT METHANESULFONATE SULFONATASE ENCODED; NEW MUTATION CONFERRING CYSTEINE AUXOTROPHY	2	50	50.0
1939	API LISTERIA; IDENTIFY LISTERIA ISOLATES; REGIONALLY POPULAR FOOD; PROMISING ONE-DAY SYSTEM; PAKISTAN	2	0	50.0
1551	PROTEINS; MAMMALIAN-CELL CULTURE; LIGAND LEAKAGE USING 8 DIFFERENT PROTEIN-A AFFINITY-CHROMATOGRAPHY MATRICES; INDUSTRIAL-SCALE HARVEST; IMMUNOGLOBULIN BINDING-CAPACITIES	2	0	50.0
2159	PULSED-FIELD GEL-ELECTROPHORESIS; EPIDEMIOLOGIC ANALYSIS; MOLECULAR ANALYSIS; SPORADIC SALMONELLA-TYPHI ISOLATES; SALMONELLA-ENTERITIDIS	2	0	50.0
1562	SALMONELLA SPP; PROTEUS SPP; SALMONELLA SPECIES; NEW PLATE MEDIUM; 5 NEW PLATING MEDIA	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1937	SEVERE PNEUMONIA; RESISTANCE DURING CEFTAZIDIME; MURINE PERITONITIS MODEL; MULTICENTER RANDOMIZED DOUBLE-BLIND TRIAL COMPARING INTRAVENOUS CIPROFLOXACIN; IMIPENEM-CILASTATIN	2	0	50.0

CH-Forschungsfronten 1999
Molecular Biology & Genetics

Nr.	Forschungsfront	K	I	CH%
1365	PEROXISOME PROLIFERATOR-ACTIVATED RECEPTORS; PEROXISOME PROLIFERATOR-ACTIVATED RECEPTOR-ALPHA; PEROXISOME PROLIFERATORS; ACTIVATION; HEPATIC PEROXISOME PROLIFERATION	50	36	12.0
1029	GENE; ROLE; MUTATIONS; EXPRESSION; GONADAL DEVELOPMENT	48	33	2.1
885	WILSON DISEASE; MENKES DISEASE; WILSONS-DISEASE; CANDIDATE GENE; WILSON DISEASE GENE	47	40	4.3
1645	BRCA1; RAD51; BRCA1 GENE; RECOMBINATION; RAD51 RECOMBINASE	46	70	2.2
361	Y-CHROMOSOME; REMAINS; HUMAN Y-CHROMOSOME VARIATION; HUMAN Y-CHROMOSOME; ANALYSIS	45	47	8.9
181	CHARCOT-MARIE-TOOTH DISEASE TYPE-1A; MUTATIONS; HEREDITARY MOTOR; HEREDITARY NEUROPATHY; CHARCOT-MARIE-TOOTH DISEASE	44	50	9.1
1746	FRAGILE-X SYNDROME; FRAGILE-X; FRAGILE-X CARRIERS; MENTAL-RETARDATION; FRAXE MENTAL-RETARDATION	44	36	4.5
827	TIGHT JUNCTIONS; OCCLUDIN; ZO-1; POSTSYNAPTIC DENSITY PROTEIN PSD-95; FAMILY	43	67	2.3
843	V%D<J RECOMBINATION; DNA DOUBLE-STRAND BREAK REPAIR; DOUBLE-STRAND BREAKS; NIJMEGEN BREAKAGE SYNDROME; RECOMBINATION	43	58	2.3
963	**ENDOCYTOSIS; DYNAMIN; SYNAPTIC VESICLE RECYCLING; COAT PROTEINS; ENDOPLASMIC-RETICULUM**	**42**	**60**	**21.4**
173	QUANTITATIVE TRAIT LOCI; CATTLE; BOVINE GENOME; HUMAN; GENETIC-LINKAGE MAP	41	39	12.2
1697	MOUSE EMBRYO; MOUSE; PATTERNING; MUTATION; SPECIFICATION	38	53	2.6
978	HEDGEHOG; NEVOID BASAL-CELL CARCINOMA SYNDROME; TRANSDUCING HEDGEHOG; DROSOPHILA PATCHED; PATCHED	35	74	8.6
386	MUTATIONS; DISEASE; REVIEW; KERATO-EPITHELIN MUTATIONS; POINT MUTATIONS	35	40	5.7
2078	BRCA1; BRCA1 MUTATIONS; BREAST-CANCER; OVARIAN-CANCER; BRCA2	34	85	8.8
1261	MISSENSE MUTATION; MYOFIBRILLAR MYOPATHY; SMALL HEAT-SHOCK PROTEIN; PROTEINS; HEAT-SHOCK PROTEINS	34	56	5.9
1843	MICROSATELLITE LOCI; MODERN HUMANS; MICROSATELLITE ALLELE FREQUENCIES; GENETIC DISTANCES; MICROSATELLITE DIVERSITY	34	56	2.9
1412	NUCLEAR-PROTEIN IMPORT; NUCLEUS; NUCLEAR EXPORT SIGNAL; NUCLEOCYTOPLASMIC TRANSPORT; EXPORT	32	62	18.8
1380	VONHIPPEL-LINDAU DISEASE; VHL TUMOR-SUPPRESSOR GENE; IDENTIFICATION; VONHIPPEL-LINDAU TUMOR-SUPPRESSOR PROTEIN; VONHIPPEL-LINDAU DISEASE TUMOR-SUPPRESSOR GENE	32	59	6.3
2166	NUCLEAR RECEPTORS; TRANSCRIPTIONAL COACTIVATOR; ACTIVATION; HISTONE ACETYLTRANSFERASE; COACTIVATOR	31	87	3.2
2048	ACTIVATION; PHOSPHORYLATION; C-JUN ACTIVATION DOMAIN; STRESS-ACTIVATED PROTEIN-KINASE; IDENTIFICATION	31	32	3.2
1563	MUTATIONS; ACHONDROPLASIA; FIBROBLAST GROWTH-FACTOR RECEPTOR-3; IDENTICAL MUTATIONS; APERT SYNDROME	29	48	3.4
1549	NEU DIFFERENTIATION FACTOR; ERBB RECEPTOR FAMILY; RECEPTOR HETERODIMERIZATION; EPIDERMAL GROWTH-FACTOR RECEPTOR FAMILY; ERBB3	28	29	10.7
219	AUTISM; AUTISM OR ATYPICAL AUTISM; AUTISM TOWARDS; AUTISM DIAGNOSTIC INTERVIEW; AUTISM DIAGNOSTIC INTERVIEW-REVISED	27	48	3.7
86	WILLIAMS-SYNDROME; PRADER-WILLI SYNDROME; ELASTIN GENE; PATIENTS; PRADER-WILLI-SYNDROME	26	42	3.8

Nr.	Forschungsfront	K	I	CH%
1114	AUTOSOMAL-DOMINANT NOCTURNAL FRONTAL-LOBE EPILEPSY; GENE; PARTIAL EPILEPSY; TEMPORAL-LOBE EPILEPSY; INHERITED EPILEPSY	25	44	8.0
1855	TRANSLATION INITIATION; PHOSPHORYLATION; TRANSLATION; 4E-BP1; CAP-DEPENDENT TRANSLATION	24	50	12.5
142	ALPORT SYNDROME; LAMININS; COL4A5 COLLAGEN GENE; IDENTIFICATION; LAMININ	24	25	4.2
2177	RNA-POLYMERASE-II; C-TERMINAL DOMAIN; RNA-POLYMERASE-II IS; PHOSPHORYLATION; CONTROL	21	95	4.8
1635	PROTEASES; CHAPERONE PROTEIN HSP104; HEAT-SHOCK PROTEIN HSP104; PRION PROTEIN; SACCHAROMYCES-CEREVISIAE	21	62	4.8
1950	NUCLEOLUS; SMALL NUCLEOLAR RNAS; DYSKERATOSIS-CONGENITA; FUNCTION; SYNTHESIS	21	57	4.8
670	CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME TYPE-I; PHOSPHOMANNOSE ISOMERASE DEFICIENCY; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROMES; CARBOHYDRATE-DEFICIENT GLYCOPROTEIN SYNDROME EVI	21	48	4.8
1941	ENDOTHELIN-CONVERTING ENZYMES; ENDOTHELIN-1; MICE DEFICIENT; ENDOTHELIN-CONVERTING ENZYME; ENDOTHELIN-CONVERTING ENZYME-1 GENE	20	50	10.0
1866	RAPD MARKERS; RAPD VARIATION; ANALYSIS; RAPD; COMPARISON	20	15	10.0
2114	CAENORHABDITIS-ELEGANS; AKT; AKT PHOSPHORYLATION; PHOSPHORYLATION; LONGEVITY	20	85	5.0
1558	PRE-MESSENGER-RNA SPLICING; SPLICING ENHANCERS; SPLICING CONTROL; SPLICING ACTIVITY; VERTEBRATE SPLICING	19	47	5.3
1718	C-MYC; MAX; MYC; C-MYC PROTEIN; C-MYC REGULATION	19	32	5.3
1873	DROSOPHILA; EYELESS GENE; EYE DEVELOPMENT; DEVELOPMENT; SMALL EYE GENE	16	31	18.8
2045	ANGELMAN SYNDROME; GENOMIC IMPRINTING; DNA METHYLATION; IMPRINTING; ANGELMAN	15	53	6.7
2047	CANINE GENOME; DOG; CANINE KARYOTYPE; LINKAGE; LINKAGE MAPPING	14	79	7.1
348	DISULFIDE BOND FORMATION INVIVO; ENDOPLASMIC-RETICULUM; REVERSIBLE DISULFIDE BOND FORMATION; OXIDATION; BUILDING BRIDGES DISULFIDE BOND FORMATION	13	46	15.4
343	RESOLUTION; ISOLATION CRYSTALLIZATION CRYSTAL-STRUCTURE ANALYSIS; REFINEMENT; EXCITATION-ENERGY TRANSFER; COMPARISON	13	8	15.4
1667	RAB5 ACTS; ENDOSOME FUSION; RAB5 REGULATION; RAB5 CONTROLS EARLY ENDOSOME FUSION INVITRO; ENDOCYTIC MEMBRANE-FUSION	12	67	16.7
1847	CALNEXIN; CALRETICULIN; ENDOPLASMIC-RETICULUM; GLYCOPROTEINS; FOLDING INTERMEDIATES	12	25	8.3
864	**NUCLEUS; CELL-NUCLEUS; RNA SPLICING; MAMMALIAN NUCLEUS; MACROMOLECULAR DOMAINS WITHIN**	**11**	**9**	**27.3**
1583	MUTATIONS; EXPRESSION; HOLT-ORAM SYNDROME; T-BOX GENES; T-BOX GENE FAMILY	11	73	9.1
2121	CYCLIN-DEPENDENT KINASE INHIBITOR; NOVEL INHIBITOR; P27%KIP1<; CYCLIN-DEPENDENT KINASE-4 INHIBITOR GENE; CELL-CYCLE ARREST	11	0	9.1
2163	**TARGETED DISRUPTION; STAT5; STAT1 GENE; STAT5 %MGF<; MAMMARY-GLAND FACTOR %MGF< IS**	**10**	**60**	**30.0**
1668	DOUBLE-STRANDED RNA-DEPENDENT PROTEIN-KINASE; CHARACTERIZATION; DOUBLE-STRANDED RNA-DEPENDENT PROTEIN-KINASE PKR STRUCTURE; NF-KAPPA-B; NF-KAPPA-B SIGNALING	10	40	20.0
2150	SCHIZOPHRENIA; SUSCEPTIBILITY GENE; SCHIZOPHRENIA REPORT; SCHIZOPHRENIA SUSCEPTIBILITY GENES; SCHIZOPHRENIA SUSCEPTIBILITY LOCI	10	60	10.0
2160	APOPTOSIS; E2F-1 FUNCTIONS; E2F-1 COOPERATE; REGULATION; MICE LACKING E2F-1	10	40	10.0

Nr.	Forschungsfront	K	I	CH%
1646	LAMELLAR ICHTHYOSIS; HUMAN EPIDERMAL CORNIFIED CELL-ENVELOPE; HUMAN FORESKIN EPIDERMAL CORNIFIED CELL-ENVELOPE; EPIDERMAL PERMEABILITY BARRIER; STRUCTURAL	10	20	10.0
1214	**UNIPARENTAL DISOMY; UNIPARENTAL DISOMY-7; TRISOMY; FETAL UNIPARENTAL DISOMY HIGH-LEVELS; MATERNAL UNIPARENTAL DISOMY-7**	**9**	**22**	**33.3**
970	THYROID; THYROGLOBULIN; THYROID-SPECIFIC GENE-EXPRESSION; THYROGLOBULIN GENE-EXPRESSION IS REGULATED; THYROGLOBULIN PROMOTER	9	11	11.1
862	**TENASCIN; TENASCIN INTERFERES; TENASCIN IS; TENASCIN GENE KNOCKOUT MOUSE; MICE DEVELOP NORMALLY WITHOUT TENASCIN**	**8**	**12**	**50.0**
2212	**MITOCHONDRIA; PREPROTEIN TRANSLOCATION CHANNEL; PROTEIN IMPORT INTO MITOCHONDRIA; PROTEIN TRANSLOCATION ACROSS MEMBRANES; PROTEIN TRANSLOCATION TUNNEL VISION**	**8**	**75**	**25.0**
1238	**MESSENGER-RNA; FERRITIN MESSENGER-RNA STUDIED; CYTOPLASMIC TRANSFERRIN RECEPTOR MESSENGER-RNA; CONTROL; IRON**	**8**	**38**	**25.0**
1178	TRANSFORMING GROWTH FACTOR-BETA; MOUSE EMBRYO; MOUSE TRANSFORMING GROWTH FACTOR-BETA-1 GENE RESULTS; TRANSFORMING GROWTH FACTOR-BETA-1 NULL MUTATION; TRANSFORMING GROWTH FACTOR-BETA-3 IS REQUIRED	8	12	12.5
556	FISSION YEAST; FISSION YEAST SCHIZOSACCHAROMYCES-POMBE; CONTROL; THIAMINE; SCHIZOSACCHAROMYCES-POMBE NMT-1 PROMOTER AFFECT TRANSCRIPTION EFFICIENCY	7	14	42.9
2108	MICE; SYNPOLYDACTYLY; HOXD13 GENE; HOXD13; HOXA13	7	86	14.3
1118	AP-2; HUMAN TRANSCRIPTION FACTOR AP-2; TRANSCRIPTION FACTOR AP-2 ESSENTIAL; TRANSCRIPTION FACTOR AP-2 IS EXPRESSED; MICE LACKING TRANSCRIPTION FACTOR AP-2	7	29	14.3
1550	DIAMOND-BLACKFAN ANEMIA; DIAMOND-BLACKFAN ANEMIA LOCUS; DIAMOND-BLACKFAN ANEMIA NATURAL-HISTORY; TREATMENT; DIAMOND-BLACKFAN ANEMIA ETIOLOGY PATHO-PHYSIOLOGY	6	83	16.7
2097	ALKAPTONURIA; MUTATION; GENE; HUMAN ALKAPTONURIA MAPS; ALKAPTONURIA PATIENTS	6	50	16.7
2063	INDUCIBLE GENE TARGETING; DNA-POLYMERASE-BETA GENE SEGMENT; CELL TYPE-RESTRICTED GENE KNOCKOUT; T-CELLS USING CELL-TYPE-SPECIFIC GENE TARGETING; MICE	6	50	16.7
2059	THYMUS; POSITIVE SELECTION; T-CELL SELECTION; THYMIC SELECTION PEPTIDE DIVERSITY GIVES; T-CELL RECEPTOR ANTAGONIST PEPTIDES INDUCE POSITIVE SELECTION	6	50	16.7
1852	FOLDING; PROTEIN FOLDING; TRANSITION-STATE; PROTEIN ENGINEERING ANALYSIS; PROTEIN ENGINEERING PROCEDURE	6	17	16.7
2132	MUTATIONS; CONGENITAL CHLORIDE DIARRHEA GENE; DIASTROPHIC DYSPLASIA GENE ENCODES; DIASTROPHIC DYSPLASIA SULFATE TRANSPORTER GENE GENOTYPE/PHENOTYPE CORRELATIONS; LINKAGE DISEQUILIBRIUM	5	40	40.0
2284	HUMAN TELOMERIC PROTEIN; HUMAN TELOMERIC PROTEIN TRF1; TRF2 PROTECTS HUMAN TELOMERES; TELOMERE LENGTH; TRF2	5	80	20.0
1720	YEAST; HETEROCHROMATIN; TELOMERIC HETEROCHROMATIN; YEAST HETEROCHROMATIN REGULATION; EXTENDED TELOMERIC HETEROCHROMATIN	5	60	20.0
1691	CRYSTAL-STRUCTURE; DNA; HOMEODOMAIN DNA COMPLEX DETERMINED; HOMEODOMAIN-DNA INTERACTIONS; ENGRAILED HOMEODOMAIN-DNA COMPLEX	5	0	20.0
1647	INTERFERON; INTERFERON ACTION; INTERFERON SYSTEM; ANTIVIRAL EFFECTS; ANTIVIRAL ACTIONS	5	0	20.0
1958	TYROSINE PHOSPHORYLATION; V-SRC TYROSINE PHOSPHORYLATION; BETA-CATENIN; EPIDERMAL GROWTH-FACTOR; P60%V-SRC< CAUSES TYROSINE PHOSPHORYLATION	5	0	20.0

Nr.	Forschungsfront	K	I	CH%
2309	LONG-RANGE ACTION; DIRECT; DROSOPHILA WING; LONG-RANGE PATTERNING; WINGLESS MORPHOGEN GRADIENT	4	100	50.0
1588	COMPARATIVE PHYLOGEOGRAPHY; SPECIATION; SOME GENETIC CONSEQUENCES; POSTGLACIAL COLONIZATION ROUTES; PALEARCTIC FISHES	4	75	25.0
2107	PSEUDOAUTOSOMAL GENE SHOX CAUSE LERI-WEILL DY-SCHONDROSTEOSIS; PSEUDOAUTOSOMAL REGIONS; PSEUDOAUTO-SOMAL DELETIONS ENCOMPASSING; DYSCHONDROSTEOSIS %LERI-WEILL-SYNDROME<; SHOX MUTATIONS	4	75	25.0
2145	RNA PROCESSING; ESCHERICHIA-COLI RNA DEGRADOSOME; DEAD-BOX RNA HELICASE; CONSERVED EUKARYOTIC RNA PROCESSING COMPLEX CONTAINING MULTIPLE 3$-*5$-EXORIBONUCLEASES; E-SCHERICHIA-COLI RNASE-E	4	75	25.0
1967	ALU REPEATS; ALU SEQUENCES; RECENT ALU INSERTIONS; PROTEIN VARIABILITY; MESSENGER-RNA SOURCE	4	50	25.0
2017	PROGRAMMED CELL-DEATH APOPTOSIS; PROGRAMMED CELL-DEATH; THYMOCYTE APOPTOSIS; ALL PROGRAMMED CELL DEATHS OCCUR VIA APOPTOSIS; PROTEASOME	4	50	25.0
920	GENE RESPONSIBLE; VAN-DER-WOUDE GENE LOCATION; VAN DER WOUDE SYNDROME; AUTOSOMAL DOMINANT CLEFTING SYNDROME %VANDERWOUDE<; REFINEMENT	4	25	25.0
1219	DROSOPHILA; DROSOPHILA GENOME; DROSOPHILA GENOME PROJECT; STUDY DEVELOPMENT; STABLE GENOMIC SOURCE	4	0	25.0
4	ESTIMATING F-STATISTICS; CALCULATE F-STATISTICS; FSTAT %VER-SION-1.2<; GENEPOP %VERSION-1.2< POPULATION-GENETICS SOFT-WARE; POPULATION-STRUCTURE	4	0	25.0
1326	EVOLUTION; VITELLOGENIN GENES; MOSQUITO VITELLOGENIN; EGG-YOLK PROTEINS; YOLK PROTEINS	4	0	25.0
1356	HUMAN INTERFERON-GAMMA RECEPTOR; EXPRESSION; MOLECULAR-CLONING; HUMAN INTERFERON-ALPHA/BETA RECEPTOR CHARACTE-RIZATION; FUNCTIONAL HUMAN INTERFERON-ALPHA RECEPTOR INTO MOUSE CELLS CLONING	4	0	25.0
2058	CALCIUM/CALMODULIN-INDEPENDENT PHYTOCHROME SIGNAL-TRANSDUCTION PATHWAYS; PHYTOCHROME SIGNAL-TRANSDUCTION PATHWAYS ARE REGULATED; CALCIUM MEDIATE PHYTOCHROME PHOTOTRANSDUCTION; CYCLIC-GMP; CALCIUM/CALMODULIN-DEPENDENT	3	0	100.0
359	CULTURE; HEMATOPOIETIC COMMITMENT DURING EMBRYONIC STEM-CELL DIFFERENTIATION; BLASTOCYST-DERIVED EMBRYONIC STEM-CELL LINES FORMATION; EMBRYONIC STEM %ES< CELLS; MUL-TIPLE HEMATOPOIETIC LINEAGES DEVELOP	3	0	66.7
1094	HERBICIDE RESISTANCE; PLANTS; ENGINEERING HERBICIDE RE-SISTANCE; HERBICIDE-RESISTANCE GENE BAR; BACTERIAL DETOXI-FICATION GENE	3	0	66.7
302	HUMAN HISTONE GENE-CLUSTER; HUMAN HISTONE GENE ORGANIZA-TION NONREGULAR ARRANGEMENT WITHIN; SITE; LARGE CLUSTER; END IS	3	67	33.3
1648	AUTOIMMUNE POLYENDOCRINOPATHY CANDIDIASIS ECTODERMAL DYSTROPHY %APECED<; AUTOSOMAL LOCUS CAUSING AUTOIMMU-NE-DISEASE AUTOIMMUNE POLYGLANDULAR DISEASE TYPE-I AS-SIGNED; POSITIONAL CLONING; CLINICAL VARIATION; CHROMOSOME-21	3	33	33.3
490	DROSOPHILA-MELANOGASTER; DROSOPHILA-MELANOGASTER MEI-GEN %DIPTERA DROSOPHILIDAE<; REVIEW; PRIMARY SENSORY PRO-JECTIONS; ORGANIZATION	3	33	33.3
1224	SPONTANEOUSLY IMMORTALIZED ANEUPLOID HUMAN KERATINO-CYTE CELL-LINE; IMMORTALIZED HUMAN KERATINOCYTES %HACAT< ALTERS GROWTH-POTENTIAL INVIVO; SKIN-CANCER; ONSET; NOR-MAL KERATINIZATION	3	33	33.3

Nr.	Forschungsfront	K	I	CH%
2046	VERTEBRATE DEVELOPMENT; HYPOTHESIS VERTEBRATE EVOLUTION; EVOLUTION; VERTEBRATE GENOME; PARALOGOUS CHROMOSOMAL REGIONS	3	33	33.3
923	CASEIN GENE-EXPRESSION; MAMMARY EPITHELIA; MAMMARY EPITHELIAL DIFFERENTIATION BASEMENT-MEMBRANE INDUCES TISSUE-SPECIFIC GENE-EXPRESSION; LAMININ MEDIATES TISSUE-SPECIFIC GENE-EXPRESSION; MOUSE MAMMARY EPITHELIAL-CELLS	3	0	33.3
1366	ER; PROTEINS INTO; GOLGI PROTEINS INTO; GOLGI; ER RECYCLING PATHWAY	3	0	33.3
1785	TRANSGENIC MODEL; TRANSGENIC MODEL ROLE; VIRUS-INFECTION; VIRUS-INFECTION TRIGGERS INSULIN-DEPENDENT DIABETES-MELLITUS; VIRAL-ANTIGEN TRANSGENIC MICE	3	0	33.3
2390	NOMENCLATURE SYSTEM; HUMAN GENE-MUTATIONS; RECOMMENDATIONS	2	100	100.0
1357	TUBULO-VESICULAR COMPARTMENT; 53-KD PROTEIN ASSOCIATED; ER-GOLGI INTERMEDIATE COMPARTMENT PROTEIN ERGIC-53 CAUSE COMBINED DEFICIENCY; MONOCLONAL-ANTIBODY; IDENTIFICATION	2	50	100.0
2096	FUNCTIONAL ASSAY; SCREENING PATIENTS; SIMPLE P53 FUNCTIONAL ASSAY; SCREENING CELL-LINES BLOOD; TUMORS	2	0	100.0
1035	HOMEODOMAIN-DNA RECOGNITION; HOMEO BOXES; DEVELOPMENT; STUDY	2	0	100.0
2355	DODECAMER REPEAT EXPANSION; AMPLIFIED AT-RICH MINISATELLITE REPEAT; HUMAN CHROMOSOMAL FRAGILE SITE FRA16B IS; CYSTATIN-B GENE; PROGRESSIVE MYOCLONUS EPILEPSY	2	100	50.0
2357	EHLERS-DANLOS-SYNDROMES REVISED NOSOLOGY VILLEFRANCHE 1997; EHLERS-DANLOS-SYNDROME-II; EHLERS-DANLOS-SYNDROME-I; COL5A1 GENE ARE CAUSAL; MUTATIONS	2	100	50.0
2307	GENE; PHKA2 GENE; PHOSPHORYLASE-KINASE DEFICIENCY; PATIENTS; MUTATIONS	2	100	50.0
2383	KIDNEY ORGANOGENESIS; INDUCTIVE TISSUE INTERACTIONS CELL SIGNALING; CONTROL; TIP-TOP BRANCHING URETER	2	100	50.0
2382	L1-ASSOCIATED DISEASES CLINICAL GENETICISTS DIVIDE MOLECULAR GENETICISTS UNITE; MOUSE L1 GENE LEADS; MALFORMATIONS; DISRUPTION; NERVOUS-SYSTEM	2	100	50.0
2315	PLANT-CELLS; PLANT-CELLS CONTAIN 2 FUNCTIONALLY DISTINCT VACUOLAR COMPARTMENTS; SORTING; PROTEINS; VACUOLES	2	100	50.0
2381	SET DOMAIN; MYOTUBULARIN-RELATED PROTEINS MODULATES GROWTH-CONTROL; MUTATIONS; MTM1 GENE IMPLICATED; ASSOCIATION	2	100	50.0
2232	GLOBAL GENOME NUCLEOTIDE EXCISION-REPAIR; MAMMALIAN DNA NUCLEOTIDE EXCISION-REPAIR RECONSTITUTED; PURIFIED PROTEIN-COMPONENTS; INITIATOR; XERODERMA-PIGMENTOSUM GROUP-C PROTEIN COMPLEX IS	2	50	50.0
2261	GLUCOCORTICOID RECEPTOR IS NOT ESSENTIAL; GLUCOCORTICOID RECEPTOR GENE BLOCKS ADRENERGIC CHROMAFFIN CELL-DEVELOPMENT; SURVIVAL; SEVERELY RETARDS LUNG MATURATION; DNA-BINDING	2	50	50.0
2109	PHOSPHATASE MKP-3; DUAL-SPECIFICITY PHOSPHATASE THAT DEPHOSPHORYLATES MAP KINASE IN-VIVO; IMMEDIATE-EARLY GENE-PRODUCT IS; ERK2 MITOGEN-ACTIVATED PROTEIN-KINASE; CATALYTIC ACTIVATION	2	50	50.0
2136	SMALL ELEMENT; REPLICATION REV-INDEPENDENT; NUCLEUS; MEX67P MEDIATES CTE-DEPENDENT RNA EXPORT; MASON-PFIZER MONKEY VIRUS GENOME MAKES HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 EXPRESSION	2	50	50.0
1880	SULFUR METABOLISM PATHWAY; SACCHAROMYCES-CEREVISIAE UPDATING; PSEUDOMONAS-AERUGINOSA; NOVEL REDUCED FLAVIN MONONUCLEOTIDE-DEPENDENT METHANESULFONATE SULFONATASE ENCODED; NEW MUTATION CONFERRING CYSTEINE AUXOTROPHY	2	50	50.0
2269	SURVEY; OPCS DATA; OMPHALOCELE; GASTROSCHISIS; EUROPE	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
1223	ADAPTATION PHYSIOLOGY; PITUITARY MELANOTROPE CELLS DURING BACKGROUND ADAPTATION; FUNCTIONING; AMPHIBIAN XENOPUS-LAEVIS; ACIDIC INTRACELLULAR COMPARTMENTS	2	0	50.0
2014	APOPTOSIS; ENDONUCLEASE INVOLVED; ENDOGENOUS DEOXYRIBONUCLEASE INVOLVED; NUCLEAR-DNA DEGRADATION DURING APOPTOSIS %PROGRAMMED CELL-DEATH<; DEOXYRIBONUCLEASE-II	2	0	50.0
2195	APOPTOSIS; EPIDERMAL GROWTH FACTOR-MEDIATED APOPTOSIS; P53-INDEPENDENT ACTIVATION; P53-DEPENDENT; MDA-MB-468 HUMAN BREAST-CANCER CELLS	2	0	50.0
532	EXTENSIVE TRAS-TUBULAR NETWORK CONTINUOUS; TRANS GOLGI NETWORK SORTING; GOLGI-APPARATUS STACK THAT MAY FUNCTION; GLYCOSYLATION; EXIT SITE	2	0	50.0
1381	INTEGRIN-MEDIATED ATTACHMENT; EXTRACELLULAR-MATRIX PROTEINS; COLLAGEN TYPE-II TYPE-IX; CARTILAGE CONTAINS MIXED FIBRILS; ARTICULAR CHONDROCYTES	2	0	50.0
2131	LYMPHOCYTES; NEGATIVE SELECTION; POSITIVE SELECTION	2	0	50.0
1836	MICE LACKING MHC CLASS-II MOLECULES; MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-II DEFICIENT MICE; CD4+ T-CELLS; DEPLETION	2	0	50.0
1142	NEURAL CREST; NEURAL CREST DEVELOPMENT; SCANNING ELECTRON-MICROSCOPY; ORIGINS; INTERSPECIFIC TRANSPLANTATION	2	0	50.0
2178	PKC ZETA IS; PROTEIN-KINASE-C-ZETA ISOFORM IS CRITICAL; SPHINGOMYELINASE; SIGNAL-TRANSDUCTION; MOLECULAR SWITCH	2	0	50.0
1273	REFINED CRYSTAL-STRUCTURE; RABBIT LIVER @CD7*METALLOTHIONEIN-2A; NUCLEAR MAGNETIC-RESONANCE; CD ZN METALLOTHIONEIN; AQUEOUS-SOLUTION DETERMINED	2	0	50.0
1098	SOLUTION; SOLUTION STRUCTURE; PROTEIN STRUCTURES; X-RAY STRUCTURES; NUCLEAR MAGNETIC-RESONANCE	2	0	50.0
1515	VERSICAN; LARGE FIBROBLAST PROTEOGLYCAN VERSICAN; HYALURONATE BINDING-PROPERTIES; MULTIPLE DOMAINS	2	0	50.0

CH-Forschungsfronten 1999
Multidisciplinary

Nr.	Forschungsfront	K	I	CH%
57	GABA%B< RECEPTORS; ROLE; HYPERPOLARIZATION-ACTIVATED CATION CURRENT; METABOTROPIC GLUTAMATE RECEPTORS; GABA%B< RECEPTORS FUNCTION	50	38	6.0
2072	HIV-1 INFECTION; HIV-1 TRANSMISSION; HIV-1; CHEMOKINE RECEPTOR CXCR4; DISEASE PROGRESSION	49	92	8.2
1695	**PLANTS; SYSTEMIC ACQUIRED-RESISTANCE; SALICYLIC-ACID; ARABIDOPSIS; PROGRAMMED CELL-DEATH**	**48**	**40**	**27.1**
1389	NANOTUBES; SYNTHESIS; CARBON NANOTUBES; BORON-NITRIDE NANOTUBES; CARBON	48	62	6.3
1329	CIRCADIAN CLOCK; TIMELESS; DROSOPHILA CIRCADIAN CLOCK; MOUSE CIRCADIAN CLOCK GENE; CIRCADIAN RHYTHMICITY	48	79	4.2
1029	GENE; ROLE; MUTATIONS; EXPRESSION; GONADAL DEVELOPMENT	48	33	2.1
311	PLASMODIUM-FALCIPARUM; MALARIA; HUMAN CEREBRAL MALARIA; MUTATIONS; PLASMODIUM-FALCIPARUM MALARIA	47	51	4.3
1496	RECOMBINANT ADENOASSOCIATED VIRUS; ADENOASSOCIATED VIRUS; ADENOASSOCIATED VIRUS VECTOR; ADENOVIRUS VECTORS; RECOMBINANT ADENOVIRUSES	47	66	2.1
328	BRAIN; VARIATIONAL METHOD; BIOMAGNETIC INVERSE PROBLEM; ELECTRICAL-IMPEDANCE TOMOGRAPHY; USING	47	30	2.1
1225	NEW-ZEALAND; EVIDENCE; LAST GLACIAL PERIOD; CLIMATE; NORTH-ATLANTIC OCEAN DURING	46	37	17.4
610	SYNTHESIS; RNA; RNA WORLD; LIFE; PEPTIDE NUCLEIC-ACIDS	46	39	8.7
822	SINGLE MOLECULES; FLUORESCENCE; SINGLE KINESIN MOLECULES; SINGLE MYOSIN MOLECULES; IMAGING	46	57	6.5
17	GUINEA-PIG COCHLEA; BASILAR-MEMBRANE; COCHLEAR AMPLIFIER; BASILAR-MEMBRANE MECHANICS; LOUDNESS GROWTH	46	26	2.2
963	**ENDOCYTOSIS; DYNAMIN; SYNAPTIC VESICLE RECYCLING; COAT PROTEINS; ENDOPLASMIC-RETICULUM**	**42**	**60**	**21.4**
1168	RHEUMATOID-ARTHRITIS; SUSCEPTIBILITY; CLASS-II MHC; CRYSTAL-STRUCTURE; MHC CLASS-II MOLECULES	42	21	4.8
806	ESCHERICHIA-COLI; COMPLETE NUCLEOTIDE-SEQUENCE; PLASTID; CHLOROPLAST GENOME; COMPLETE SEQUENCE	42	60	2.4
1756	FAMILIAL ALZHEIMERS-DISEASE; ALZHEIMERS-DISEASE; PRESENILIN-1; FAMILIAL ALZHEIMERS-DISEASE LOCUS; MUTATION	40	65	2.5
1697	MOUSE EMBRYO; MOUSE; PATTERNING; MUTATION; SPECIFICATION	38	53	2.6
225	**PROTEASE-RESISTANT PRION PROTEIN; PRION PROTEIN; FATAL FAMILIAL INSOMNIA; RECOMBINANT PRION PROTEIN; PRION PROTEIN GENE**	**36**	**58**	**25.0**
616	FUNCTIONAL BRAIN MAPPING; FUNCTIONAL MRI; HUMAN BRAIN ACTIVATION; MAGNETIC-RESONANCE-IMAGING; FUNCTIONAL MAPPING	36	14	2.8
2005	T-CELLS; MICE; NK1.1%+< T-CELLS; MOUSE CD1; CD1B-RESTRICTED T-CELLS	35	54	5.7
2054	GDNF; MICE LACKING GDNF; RET RECEPTOR TYROSINE KINASE; GDNF IS; GDNF IN-VIVO	35	57	2.9
1129	T-CELL RECEPTOR; T-CELL RECOGNITION; T-CELL ANTIGEN RECEPTOR; T-CELL RECEPTOR RECOGNITION; T-CELL RECEPTOR ANTAGONISTS	34	35	11.8
1262	PHAGE SURFACES; COMBINATORIAL LIBRARIES; PHAGE; ESCHERICHIA-COLI; BISPECIFIC ANTIBODY FRAGMENTS	34	15	2.9
2118	BETA-CATENIN; BETA-CATENIN GENE; BETA-CATENIN APC; BETA-CATENIN MUTATIONS; BETA-CATENIN IS	33	91	3.0

Nr.	Forschungsfront	K	I	CH%
1857	PROTEIN TYROSINE KINASES; GPI-ANCHORED PROTEINS; T-CELL ACTIVATION; EFFICIENT T-CELL ACTIVATION; COSTIMULATION DURING T-CELL ACTIVATION	33	79	3.0
350	FUNCTIONAL EXPRESSION; MUTATIONS; PRIMARY STRUCTURE; BUMETANIDE-SENSITIVE NA-K-CL COTRANSPORTER; MOLECULAR-CLONING	33	42	3.0
547	HEME OXYGENASE; HEME OXYGENASE-1; HEME OXYGENASE IS; CARBON-MONOXIDE; HEME ARGINATE	32	34	15.6
2201	LEPTIN RECEPTOR; PLASMA LEPTIN; LEPTIN ACTION; INSULIN; OBESE	32	75	9.4
1904	**LIGAND-GATED ION CHANNELS; SENSORY NEURONS; IONOTROPIC ATP RECEPTOR; P-2X RECEPTOR; P2X RECEPTORS**	**31**	**55**	**35.5**
2166	NUCLEAR RECEPTORS; TRANSCRIPTIONAL COACTIVATOR; ACTIVATION; HISTONE ACETYLTRANSFERASE; COACTIVATOR	31	87	3.2
1531	ORGANIC FIELD-EFFECT TRANSISTORS; FIELD-EFFECT MOBILITY; ORGANIC TRANSISTORS; FIELD-EFFECT TRANSISTORS; FIELD-EFFECT TRANSISTORS MADE	31	68	3.2
2048	ACTIVATION; PHOSPHORYLATION; C-JUN ACTIVATION DOMAIN; STRESS-ACTIVATED PROTEIN-KINASE; IDENTIFICATION	31	32	3.2
235	CO2; ATMOSPHERIC CO2; SEAWATER; OCEAN; OCEANIC UPTAKE	30	17	6.7
6	LIFE; BIOMOLECULAR CHIRALITY; BIOMOLECULAR HOMOCHIRALITY; EARTHS EARLY ATMOSPHERE; REORIENTATION	30	33	3.3
702	ARTICULAR-CARTILAGE; BIPHASIC INDENTATION; EFFECTS; MECHANICAL; ARTICULAR-CARTILAGE EXPLANTS	30	10	3.3
1996	ATOMIC-FORCE MICROSCOPY; DNA; ELASTICITY; STRETCHING DNA; SUPERCOILED DNA	29	66	6.9
1549	NEU DIFFERENTIATION FACTOR; ERBB RECEPTOR FAMILY; RECEPTOR HETERODIMERIZATION; EPIDERMAL GROWTH-FACTOR RECEPTOR FAMILY; ERBB3	28	29	10.7
1927	CD40; CD40 LIGAND; LIGAND; CD40 LIGAND EXPRESSION; CD40 LIGAND GENE	28	43	7.1
396	EARLY CAMBRIAN EVOLUTION; EARLY ANIMAL EVOLUTION NEOPROTEROZOIC EARLY CAMBRIAN; EARLY ANIMAL EVOLUTION; EARLIEST CAMBRIAN; ANIMAL EVOLUTION	27	56	7.4
778	ESTIMATION; NEURONS; STEREOLOGY; UNBIASED STEREOLOGICAL ESTIMATION	26	15	19.2
295	FORMATION; BIOMIMETIC PROCESS; APATITE FORMATION; BIOACTIVE GLASS POWDER; NEW GLASS-CERAMIC	26	19	3.8
1536	CERAMIDE; ROLE; SPHINGOMYELIN PATHWAY; CELL-DIFFERENTIATION; CERAMIDE GENERATION	25	32	8.0
1024	HEPATOCYTE GROWTH-FACTOR; HUMAN HEPATOCYTE GROWTH-FACTOR; HEPATOCYTE GROWTH-FACTOR IS; HEPATOCYTE GROWTH-FACTOR RECEPTOR; HEPATOCYTE GROWTH-FACTOR %HGF< STIMULATES	22	14	13.6
1367	HYPOXIA; HYPOXIA-INDUCIBLE FACTOR-1; HYPOXIA-INDUCIBLE FACTOR-I; TRANSCRIPTIONAL REGULATION; REGULATION	22	55	9.1
1057	GENETIC-CODE; TRANSFER-RNA SEQUENCES; TRANSFER-RNA PROVIDES; TRANSFER-RNA GENES; ORIGIN	22	32	4.5
1266	PROTEIN-FOLDING; GROEL-MEDIATED PROTEIN-FOLDING; CRYSTAL-STRUCTURE; CHAPERONIN GROEL; GROEL	21	71	14.3
1183	RHODOPSIN; RECEPTOR ACTIVATION; G-PROTEIN-COUPLED RECEPTORS; RECEPTOR ACTIVITY; TRANSMEMBRANE HELICES	21	29	14.3
942	PLASMODIUM-FALCIPARUM; CHLOROQUINE; CHLOROQUINE RESISTANCE; RESISTANCE; MALARIA PARASITE PLASMODIUM-FALCIPARUM	21	33	4.8
1186	**HONEYBEES; ANTS; VISUAL NAVIGATION; FORAGING HONEYBEES; DESERT ANTS**	**20**	**35**	**35.0**
316	TRABECULAR BONE; CANCELLOUS BONE; BONE ARCHITECTURE; HUMAN TRABECULAR BONE; CANCELLOUS BONE ARCHITECTURE	20	20	10.0
2114	CAENORHABDITIS-ELEGANS; AKT; AKT PHOSPHORYLATION; PHOSPHORYLATION; LONGEVITY	20	85	5.0

Nr.	Forschungsfront	K	I	CH%
1985	SYNTHESIS; MESOPOROUS MOLECULAR-SIEVES; MESOPOROUS ALUMINA MOLECULAR-SIEVES; MESOPOROUS MOLECULAR-SIEVES PREPARED; MESOPOROUS NIOBIUM OXIDE MOLECULAR-SIEVES	20	40	5.0
1799	MAGNETIZATION; HIGH-TEMPERATURE MOLECULAR MAGNETS BASED; MOLECULAR MAGNETS CONSTRUCTED; MOLECULAR MAGNETISM; PHOTOINDUCED MAGNETIZATION	19	47	5.3
1718	C-MYC; MAX; MYC; C-MYC PROTEIN; C-MYC REGULATION	19	32	5.3
1103	DNA; ANCIENT DNA; AUTHENTIC ANCIENT DNA; DNA EXTRACTION; MYCOBACTERIUM-TUBERCULOSIS DNA	19	21	5.3
1585	STRUCTURE; CANDIDA-RUGOSA LIPASE; LIPASE; INTERFACIAL ACTIVATION; CATALYTIC MECHANISM	18	11	5.6
2262	COMPLETE GENOME SEQUENCE; GENOME SEQUENCE; GENOME; COMPLETE GENOME; GENOMIC SEQUENCE	16	88	6.3
1456	**CLONING; GIBBON APE LEUKEMIA-VIRUS; CELL-SURFACE RECEPTOR; CELLULAR RECEPTOR; GIBBON APE LEUKEMIA-VIRUS RECEPTOR FAMILY**	**14**	**29**	**50.0**
348	DISULFIDE BOND FORMATION INVIVO; ENDOPLASMIC-RETICULUM; REVERSIBLE DISULFIDE BOND FORMATION; OXIDATION; BUILDING BRIDGES DISULFIDE BOND FORMATION	13	46	15.4
756	MALARIA; SEVERE MALARIA; NATURAL-SELECTION; HUMAN HEMOGLOBIN-A; RESISTANCE	13	31	7.7
1227	ENDOTHELIN RECEPTOR; CLONING; ENDOTHELIN RECEPTOR ANTAGONISM; POTENT; ENDOTHELIN REVEALED	13	8	7.7
1610	SCANNING TUNNELING MICROSCOPE; ROTATIONAL MOTION; PT%111<; O-2; SINGLE-MOLECULE	12	83	16.7
1667	RAB5 ACTS; ENDOSOME FUSION; RAB5 REGULATION; RAB5 CONTROLS EARLY ENDOSOME FUSION INVITRO; ENDOCYTIC MEMBRANE-FUSION	12	67	16.7
1685	KAINATE RECEPTORS; KAINATE; DESENSITIZATION; KAINATE RECEPTORS MEDIATE; PRESYNAPTIC KAINATE RECEPTORS	12	58	8.3
864	**NUCLEUS; CELL-NUCLEUS; RNA SPLICING; MAMMALIAN NUCLEUS; MACROMOLECULAR DOMAINS WITHIN**	**11**	**9**	**27.3**
1457	GAMMA-DELTA T-CELLS; HUMAN GAMMA-DELTA T-CELLS; GAMMA-DELTA T-CELLS IN-VIVO; GAMMA-DELTA CELLS	11	18	9.1
2121	CYCLIN-DEPENDENT KINASE INHIBITOR; NOVEL INHIBITOR; P27%KIP1<; CYCLIN-DEPENDENT KINASE-4 INHIBITOR GENE; CELL-CYCLE ARREST	11	0	9.1
2175	**HUMAN MHC CLASS-I MICA GENE; MICA; MICA GENE; MICA GENES; HLA CLASS-I REGION**	**10**	**80**	**40.0**
876	MICE; MICE OVEREXPRESSING; GENE-TARGETED MICE; TRANSGENIC MICE OVEREXPRESSING; BETA-ADRENERGIC-RECEPTOR KINASE	10	40	20.0
2314	BAX; BAX RESULTS; PROAPOPTOTIC BAX; BAX CHANNEL-FORMING ACTIVITY; APOPTOSIS	10	100	10.0
1316	SODIUM; LUNAR POLES; LUNAR SODIUM ATMOSPHERE; LUNAR ATMOSPHERE; MOON	10	50	10.0
1322	RECEPTOR EDITING; MATURE B-CELLS; AUTOREACTIVE B-CELLS; GERMINAL CENTER B-CELLS; SELF-REACTIVE BONE-MARROW B-CELLS	9	56	11.1
1470	DESIGN; PROTEIN DESIGN; DE-NOVO DESIGN; 4-HELIX BUNDLE PROTEIN; SYNTHESIS	9	33	11.1
339	LAST GLACIAL MAXIMUM; LAST GLACIAL; COOLING; GLACIAL OCEAN; GLACIAL TIMES	9	33	11.1
1755	DEGRADATION; CASE; MASSIVE POLY%ALPHA-HYDROXY ACIDS<; AQUEOUS-MEDIA DEGRADATION; IN-VIVO DEGRADATION	9	0	11.1
1811	**HISTOMORPHOMETRIC; EFFECT; TITANIUM IMPLANTS; TITANIUM SURFACE-ROUGHNESS; TIO2-BLASTED TITANIUM IMPLANTS**	**8**	**25**	**50.0**
884	**FUNGAL GROWTH; TRANSGENIC TOBACCO; CHITINASE; ENHANCED RESISTANCE; RESISTANCE**	**8**	**0**	**50.0**
1238	**MESSENGER-RNA; FERRITIN MESSENGER-RNA STUDIED; CYTOPLASMIC TRANSFERRIN RECEPTOR MESSENGER-RNA; CONTROL; IRON**	**8**	**38**	**25.0**

Nr.	Forschungsfront	K	I	CH%
2220	TRANSGENIC MICE; ALZHEIMER AMYLOID PRECURSOR PROTEIN; A-MYLOID PRECURSOR PROTEIN PROCESSING; TRANSGENIC MICE EX-PRESSING; 2 AMYLOID PRECURSOR PROTEIN TRANSGENIC MOUSE MODELS	8	75	12.5
2214	LEISHMANIA-MAJOR; DNA ENCODING; LEISHMANIA-MAJOR INDUCED; PROTECTIVE LEISHMANIA ANTIGEN; SINGLE ANTIGEN	8	50	12.5
1931	HIPPOCAMPUS; HOMOSYNAPTIC LONG-TERM DEPRESSION; AREA CA1; LONG-TERM DEPRESSION; HIPPOCAMPAL LONG-TERM DEPRESSION	8	38	12.5
1376	STREPTAVIDIN; STREPTAVIDIN STUDIED; CORE STREPTAVIDIN DE-TERMINED; 2-DIMENSIONAL CRYSTALLIZATION; HIGH-AFFINITY BIO-TIN BINDING	8	12	12.5
282	CHRONIC MYELOGENOUS LEUKEMIA; ABL; ABL TYROSINE KINASE; BCR ABL TYROSINE KINASE ONCOGENE; PHILADELPHIA-CHROMOSOME POSITIVE LEUKEMIAS	7	14	14.3
1300	MONOAMINE OXIDASE-A; HUMAN MONOAMINE OXIDASE-A; HUMAN-LIVER MONOAMINE OXIDASE-A; OXIDASE-B MOLECULAR-BASIS; MICE LACKING MAOA	7	14	14.3
2104	TRANSCRIPTIONAL ADAPTER; PROTEIN; TRANSCRIPTIONAL COACTI-VATOR CBP; NUCLEAR-PROTEIN CBP; TRANSCRIPTIONAL INTEGRA-TOR P300	7	14	14.3
1979	BCL-2; PROGRAMMED CELL-DEATH; BCL-2 PROTOONCOGENE; BCL-2 PROTECTION; BCL-2 INHIBITION	7	0	14.3
1003	TOLERANCE; TRANSGENIC MICE; ANTIGEN RECEPTOR; T-CELL TOLE-RANCE; T-CELLS	6	0	50.0
2295	ARCTIC; ARCTIC DURING; 1995-96 ARCTIC WINTER; PROLONGED STRATOSPHERIC OZONE LOSS; INCREASED POLAR STRATOSPHERIC OZONE LOSSES	6	100	16.7
2087	LENTIVIRAL VECTOR; LENTIVIRAL VECTORS; SUSTAINED EXPRESSI-ON; LENTIVIRUS VECTOR; HIGHLY EFFICIENT	6	83	16.7
2144	SYNAPTIC DEPRESSION; SYNAPTIC EFFICACY BETWEEN NEOCORTI-CAL PYRAMIDAL NEURONS; EXCITATORY SYNAPTIC INPUTS; NEURAL CODE BETWEEN NEOCORTICAL PYRAMIDAL NEURONS DEPENDS; SPI-NY STELLATE CELLS	6	83	16.7
2245	TRANSLATIONAL REGULATION; RNA-BINDING; TRANSLATIONAL SUP-PRESSION; HOMEODOMAIN PROTEIN; ERYTHROID-DIFFERENTIATION HNRNP K	6	83	16.7
1307	IL-1 RECEPTOR; INTERLEUKIN-1; INTERLEUKIN-1 RECEPTOR COMPLEX; INTERLEUKIN-1 TYPE-II RECEPTOR; TYPE-I RECEPTOR	6	17	16.7
450	CRETACEOUS TERTIARY BOUNDARY; CRETACEOUS TERTIARY BOUN-DARY SEDIMENTS; CRETACEOUS EXTINCTIONS EVIDENCE; GLOBAL FIRE; GLOBAL FIRES	6	0	16.7
1122	ICE RECORD; CO2 RECORD; ANTARCTIC ICE CORE; GREENLAND ICE CORE PROJECT ICE CORE; ATMOSPHERIC CO2	5	20	60.0
1864	FRACTAL GROWTH; DENDRITIC GROWTH; GROWTH SPEED ANISOTRO-PY; FRACTAL; LOW-TEMPERATURE PT-DENDRITE GROWTH	5	20	40.0
1770	GROWTH; SPUTTERED FILMS; HIGH-TC FILMS; YBA2CU3O7-X FILMS; LASER-ABLATED YBA2CU3O7-DELTA FILMS	5	0	40.0
1735	PERIPHERAL T-CELL DEATH; V-BETA-8+ CD4+ T-CELLS; PERIPHERAL SELECTION; MICE TOLERANT; MATURE T-CELLS CLONAL ELIMINATI-ON	5	0	40.0
2284	HUMAN TELOMERIC PROTEIN; HUMAN TELOMERIC PROTEIN TRF1; TRF2 PROTECTS HUMAN TELOMERES; TELOMERE LENGTH; TRF2	5	80	20.0
2085	CRYSTAL-STRUCTURE; STRUCTURE; X-RAY STRUCTURE; EPIDERMAL GROWTH FACTOR-LIKE MODULES; MODULE STRUCTURE RELATED	5	40	20.0
1335	OXIDATIVE DAMAGE; MITOCHONDRIAL DECAY; AGING; NORMAL O-XIDATIVE DAMAGE; MITOCHONDRIAL	5	40	20.0
455	ANGIOGENIN; ISOLATION; ANGIOGENIC PROTEIN; TUMOR NECROSIS FACTOR-ALPHA; ENDOTHELIAL-CELL GROWTH-INVITRO IS ANGIOGE-NIC INVIVO	5	0	20.0

Nr.	Forschungsfront	K	I	CH%
1477	FUNCTIONAL EXPRESSION; 5-HT3 RECEPTOR-CHANNEL; MOUSE 5-HT3 RECEPTOR GENE; 5-HT3 RECEPTORS ARE MEMBRANE ION CHANNELS; 5HT3 RECEPTOR	5	0	20.0
1887	RESPONSES; REWARD; MONKEY DOPAMINE NEURONS; MONKEY DOPAMINE NEURONS DURING LEARNING; MIDBRAIN DOPAMINE NEURONS	4	50	100.0
518	INTERLEUKIN-1; HYPOTHALAMIC CORTICOTROPIN-RELEASING FACTOR; CORTICOTROPIN-RELEASING ACTIVITY; INTERLEUKIN-1 STIMULATES; CORTICOTROPIN-RELEASING FACTOR PRODUCING NEURONS	4	0	50.0
487	MOUSE METALLOTHIONEIN-I PROMOTER; METALLOTHIONEIN; CLONED TRANSCRIPTION FACTOR MTF-1 ACTIVATES; CONSTITUTIVELY ACTIVE TRANSCRIPTION FACTOR MTF-1; METALLOTHIONEIN GENES	4	0	50.0
2346	CARD DOMAIN; RAIDD CARD; RAIDD IS; NMR STRUCTURE; NEW DEATH ADAPTER MOLECULE	4	100	25.0
2349	KAPOSIS SARCOMA-ASSOCIATED HERPESVIRUS; KAPOSIS SARCOMA-ASSOCIATED HERPESVIRUS IS; G-PROTEIN-COUPLED RECEPTOR; HUMAN HERPESVIRUS KSHV ENCODES; CONSTITUTIVELY ACTIVE G-PROTEIN-COUPLED RECEPTOR-LINKED	4	100	25.0
1949	ANALYSIS; CEREBRAL CONNECTIONS; OBJECTIVE ANALYSIS; CEREBRAL NETWORK COMPONENTS; REVERSIBLE DEACTIVATION	4	50	25.0
2268	MALE-SPECIFIC HISTOCOMPATIBILITY ANTIGEN DERIVED; MINOR HISTOCOMPATIBILITY ANTIGEN HA-1; MOUSE MALE-SPECIFIC TRANSPLANTATION ANTIGEN H-Y; HUMAN H-Y; MINOR HISTOCOMPATIBILITY ANTIGENS BETWEEN HLA-IDENTICAL DONORS	4	50	25.0
1883	TIT-FOR-TAT; WIN STAY LOSE SHIFT THAT OUTPERFORMS TIT-FOR-TAT; PRISONERS-DILEMMA GAME; INTERSPECIFIC MUTUALISMS; HETEROGENEOUS POPULATIONS	4	50	25.0
731	CHRONIC NEURAL RECORDING; NEURAL ACTIVITY; PARALLEL RECORDING; 3-DIMENSIONAL MICROELECTRODE ARRAY; SILICON-SUBSTRATE MICROELECTRODE ARRAYS	4	25	25.0
1517	NORTH-ATLANTIC; NORTH-ATLANTIC OCEAN; NORTH-PACIFIC DURING; LAURENTIDE ICE-SHEET DURING; YOUNGER DRYAS COLD EPISODE	4	25	25.0
2052	TUMOR-NECROSIS-FACTOR; MICE DEFICIENT; MICE LACKING; TNF RECEPTOR-2-DEFICIENT MICE; INFECTION	4	25	25.0
1962	BINDING; ENDOTHELIAL-CELL BINDING; NEUTROPHIL EMIGRATION; HEPARAN-SULFATE OR HEPARIN ENHANCES NEUTROPHIL RESPONSES; PROTEOGLYCANS	4	0	25.0
866	CFTR; OUTWARDLY RECTIFYING CHANNELS; CFTR REGULATES OUTWARDLY RECTIFYING CHLORIDE CHANNELS THROUGH; RESPONSE; PROTEIN KINASE-A CORRECTED	4	0	25.0
1926	COMPLETE DNA-SEQUENCE; COMPLETE NUCLEOTIDE-SEQUENCE; YEAST CHROMOSOME-III; YEAST CHROMOSOME-II; YEAST CHROMOSOME-XI	4	0	25.0
1492	FINGER PROTEINS; ZINC-FINGER PROTEINS MEDIATES TRANSCRIPTIONAL REPRESSION; KRUPPEL-ASSOCIATED BOX-A %KRAB-A< DOMAIN; EUKARYOTIC MULTIFINGERED PROTEINS; KRUPPEL-ASSOCIATED BOXES ARE POTENT TRANSCRIPTIONAL REPRESSION DOMAINS	4	0	25.0
1988	SINGLE-ATOM TIPS; SIMULATION; SCANNING TUNNELING MICROSCOPE; POLYMER FIBERS; POINT-SOURCE ELECTRON-MICROSCOPE	4	0	25.0
2362	CD-95-INDUCED APOPTOSIS; DEATH RECEPTORS; DEATH RECEPTOR SIGNALS; VIRAL FLICE-INHIBITORY PROTEINS %FLIPS< PREVENT APOPTOSIS INDUCED; NOVEL INHIBITOR	3	100	66.7
211	ATMOSPHERIC CO2; PAST 2 CENTURIES; ANTARCTIC ICE; ICE CORE RECORD; POLAR ICE CORES	3	33	66.7
1617	SUBDUCTION ZONES; SERPENTINE STABILITY; MANTLE DEPTHS; FLUID PROCESSES; EXPERIMENTAL-STUDY	3	0	66.7
2358	ATHEROSCLEROSIS; CD40 LIGAND; CD40 SIGNALING; CD40-CD40 LIGAND SIGNALING; ENDOTHELIAL-CELLS	3	100	33.3

Nr.	Forschungsfront	K	I	CH%
2332	COMPLETE BACTERIAL GENOMES; ESSENTIAL BACTERIAL GENES; MEASURING GENOME EVOLUTION; IDENTIFICATION; GENOME-BASED APPROACH	3	100	33.3
746	PHOTODYNAMIC THERAPY; LIGHT DOSIMETRY IN-VIVO; OPTIMIZING LIGHT DOSIMETRY; ESOPHAGUS USING FLUORESCENCE SPECTROSCOPY; EARLY-STAGE CARCINOMAS	3	67	33.3
2193	TRANSGENIC MICE; GENE-EXPRESSION; TRANSGENIC MICE EXPRESSING SV40 T-ANTIGEN; TEMPORAL CONTROL; TISSUE-SPECIFIC CONTROL	3	67	33.3
2172	RAS; CALCIUM ACTIVATION; RAS MEDIATED; RAS SIGNALING PATHWAY; CALCIUM INFLUX STIMULATE MEK	3	33	33.3
2240	APOPTOSIS; BCL-2 HOMOLOG; BCL-2 HOMOLOG BAK; WIDELY DISTRIBUTED BCL-2 HOMOLOG BAK; INTERACTION	3	0	33.3
2062	CYCLOPHILIN-A; CYCLOPHILIN-A INTO HIV-1 VIRIONS; HIV-1 VIRIONS; HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 GAG PROTEIN BINDS; FUNCTIONAL ASSOCIATION	3	0	33.3
1185	NOVEL NEUTROPHIL-ACTIVATING FACTOR PRODUCED; HUMAN MONONUCLEAR PHAGOCYTES; NEUTROPHIL-ACTIVATING PROTEIN %NAP-1< IS ALSO CHEMOTACTIC; HUMAN MONOCYTE-DERIVED NEUTROPHIL CHEMOTACTIC FACTOR THAT HAS PEPTIDE SEQUENCE SIMILARITY; OTHER	3	0	33.3
2291	TIME-DEPENDENT FASHION; IMMUNOLOGY TAUGHT; IMMUNE REACTIVITY; GEOGRAPHICAL VIEW; DOSE-DEPENDENT	2	100	100.0
555	DEPOSITION; CONTROLLED DEPOSITION; MONODISPERSE SILVER CLUSTERS; SIZE-SELECTED SILVER NANOCLUSTERS; LATENT-IMAGE GENERATION	2	50	100.0
178	ANTIGEN PRESENTATION; RECEPTOR-MEDIATED ANTIGEN UPTAKE; CLASS-II-RESTRICTED LYMPHOCYTES-T; B-CELLS; ANTIGEN-SPECIFIC INTERACTION BETWEEN T-CELLS	2	0	100.0
2155	BCL-2; TRANSGENIC MICE ARE PROTECTED; NATURALLY-OCCURRING CELL-DEATH; BCL-2 PROTOONCOGENE; AXOTOMY-INDUCED CELL-DEATH	2	0	100.0
2053	FEMALE MATE PREFERENCES; POSITIVE GENETIC CORRELATION BETWEEN FEMALE PREFERENCE; PREFERRED MALE ORNAMENT; GENETIC-BASIS; STICKLEBACKS	2	0	100.0
1973	FRICTION; PHASE-SEPARATED THIN-FILMS; PHASE-SEPARATED ORGANIC THIN-FILMS; FRICTION MEASUREMENTS; FORCE MICROSCOPY STUDY	2	0	100.0
2096	FUNCTIONAL ASSAY; SCREENING PATIENTS; SIMPLE P53 FUNCTIONAL ASSAY; SCREENING CELL-LINES BLOOD; TUMORS	2	0	100.0
1035	HOMEODOMAIN-DNA RECOGNITION; HOMEO BOXES; DEVELOPMENT; STUDY	2	0	100.0
1299	RECOMBINANT INSULIN-LIKE GROWTH FACTOR-I; EFFECTS; RECOMBINANT HUMAN INSULIN-LIKE GROWTH FACTOR-I STIMULATES GROWTH; HAS DISTINCT EFFECTS; ORGAN SIZE	2	0	100.0
2316	CNTF USING ENCAPSULATED GENETICALLY-MODIFIED XENOGENEIC CELLS; ENCAPSULATED CELLS PRODUCING NEUROTROPHIC FACTOR CNTF; MONKEY MODEL; INTRATHECAL DELIVERY; HUNTINGTONS-DISEASE	2	100	50.0
2397	COFILIN; COFILIN PHOSPHORYLATION; ACTIN DYNAMICS THROUGH PHOSPHORYLATION; RAC-MEDIATED ACTIN REORGANIZATION; LIM-KINASE-1	2	100	50.0
2378	DENDRITIC CELLS; MHC CLASS-II TRANSPORT; MHC CLASS-II COMPLEXES; MOUSE DENDRITIC CELLS; DEVELOPMENTAL REGULATION	2	100	50.0
2355	DODECAMER REPEAT EXPANSION; AMPLIFIED AT-RICH MINISATELLITE REPEAT; HUMAN CHROMOSOMAL FRAGILE SITE FRA16B IS; CYSTATIN-B GENE; PROGRESSIVE MYOCLONUS EPILEPSY	2	100	50.0
2404	ICE; VOSTOK ICE CORE ANTARCTICA; TAYLOR DOME ANTARCTICA; HOLOCENE CARBON-CYCLE DYNAMICS BASED; CO2 TRAPPED	2	100	50.0

Nr.	Forschungsfront	K	I	CH%
2304	METALLOTHIONEIN; SNAIL CD; ITS ROLE; CU METABOLISM; TOXIC METAL REGULATION	2	100	50.0
2369	MOLECULAR CLOCK; MOLECULAR EVOLUTION; RIBOSOMAL DNA-SEQUENCES; RATES; FOSSIL RECORD	2	100	50.0
2338	NEAR-INFRARED WAVELENGTHS; 2-DIMENSIONAL PHOTONIC BAND-GAP STRUCTURES; 2-DIMENSIONAL PHOTONIC-BANDGAP STRUCTU-RES OPERATING; QUANTITATIVE MEASUREMENT; DIFFRACTION	2	100	50.0
2395	PAST 6 CENTURIES; NORTHERN-HEMISPHERE SUMMER TEMPERATU-RE; GLOBAL-SCALE TEMPERATURE PATTERNS; PAST 600 YEARS; IN-FLUENCE	2	100	50.0
2376	POLIO ERADICATION EFFORT SHOULD VACCINE ERADICATION BE NEXT; ENDING POLIO IMMUNIZATION	2	100	50.0
2400	TOXIC EPIDERMAL NECROLYSIS; RANDOMIZED COMPARISON; INHIBI-TION; HUMAN INTRAVENOUS IMMUNOGLOBULIN; CD95	2	100	50.0
1918	AR-40/AR-39 DATING; BRUNHES-MATUYAMA GEOMAGNETIC-FIELD REVERSAL; AR-40/AR-39 INCREMENTAL HEATING ANALYSES; MA-TUYAMA-BRUNHES GEOMAGNETIC POLARITY REVERSAL; DURATION	2	50	50.0
1965	BRAIN IMAGING; PARAMETRIC IMAGING; RETRACTABLE SEPTA; PO-SITRON TOMOGRAPH; PHYSICAL PERFORMANCE	2	50	50.0
2275	BUCKMINSTERFULLERENE %C-60<; ADDITION-REACTIONS; COVALENT FULLERENE CHEMISTRY	2	50	50.0
2066	CO2 EMISSION RATES; INCREASED ATMOSPHERIC CO2; STABILITY; OCEAN-ATMOSPHERE SYSTEM; INFLUENCE	2	50	50.0
2113	COCKAYNE-SYNDROME; DEFECTIVE TRANSCRIPTION-COUPLED RE-PAIR; COCKAYNE-SYNDROME PATIENTS; PREFERENTIAL REPAIR; IO-NIZING RADIATION-INDUCED DAMAGE	2	50	50.0
2286	DYE-SENSITIZED NANO-POROUS SOLID-STATE PHOTOVOLTAIC CELL; SOLID-STATE DYE-SENSITIZED MESOPOROUS TIO2 SOLAR-CELLS; HIGH PHOTON-TO-ELECTRON CONVERSION EFFICIENCIES	2	50	50.0
106	FEMALE CHIMPANZEES; FEMALE TRANSFER; WILD CHIMPANZEES; GROUP EXTINCTION; FURTIVE MATING	2	50	50.0
1891	INSULIN-SECRETION; GLUCOSE-STIMULATED INSULIN-SECRETION REQUIRES NITRIC-OXIDE; L-ARGININE DERIVED NITROGEN-OXIDES; EARLY PHASE; PANCREATIC B-CELLS CAUSED	2	50	50.0
1972	LEUKEMIA INHIBITORY FACTOR; LEUKEMIA INHIBITORY FACTOR SIGNIFICANTLY ENHANCES; BLASTOCYST FORMATION RATES; BLASTOCYST IMPLANTATION DEPENDS; MATERNAL EXPRESSION	2	50	50.0
1426	MITOCHONDRIAL ENCEPHALOMYOPATHY; FAMILIAL MITOCHONDRI-AL ENCEPHALOMYOPATHY; COENZYME Q%10< DEFICIENCY; MUSCLE COENZYME-Q DEFICIENCY	2	50	50.0
2282	PATTERN-FORMATION; LOCAL ACTIVITY DOMAIN; FITZHUGH-NAGUMO EQUATION; EDGE; CHAOS	2	50	50.0
2109	PHOSPHATASE MKP-3; DUAL-SPECIFICITY PHOSPHATASE THAT DEPHOSPHORYLATES MAP KINASE IN-VIVO; IMMEDIATE-EARLY GE-NE-PRODUCT IS; ERK2 MITOGEN-ACTIVATED PROTEIN-KINASE; CATA-LYTIC ACTIVATION	2	50	50.0
1753	ROTAVIRUS VACCINES; PIG ROTAVIRUS ENTERITIS; L-GLUTAMINE STIMULATES JEJUNAL SODIUM; CHLORIDE ABSORPTION; NEW LES-SONS	2	50	50.0
2136	SMALL ELEMENT; REPLICATION REV-INDEPENDENT; NUCLEUS; MEX67P MEDIATES CTE-DEPENDENT RNA EXPORT; MASON-PFIZER MONKEY VIRUS GENOME MAKES HUMAN-IMMUNODEFICIENCY-VIRUS TYPE-1 EXPRESSION	2	50	50.0
2185	ALIGNED CARBON NANOTUBE ARRAYS FORMED; ALIGNED CARBON NANOTUBE FILMS PRODUCTION; OPTICAL; ELECTRONIC-PROPERTIES; CUTTING	2	0	50.0
832	AOTUS MONKEYS; PROTECTION; AOTUS MONKEYS IMMUNIZED; RE-COMBINANT PROTEINS; PROTECTION AGAINST MALARIA	2	0	50.0
1819	APOPTOSIS; WILD-TYPE P53; WILD-TYPE P53 INDUCES APOPTOSIS; IN-TERLEUKIN-6; INDUCTION	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
2141	ENDOGENOUS ESTROGEN METABOLITE 2-METHOXYOESTRADIOL INHIBITS ANGIOGENESIS; ENDOGENOUS MAMMALIAN METABOLITE INHIBITS TUBULIN POLYMERIZATION; INTERACTING; COLCHICINE SITE; 2-METHOXYESTRADIOL	2	0	50.0
1935	EXHAUSTIVE MATCHING; ENTIRE PROTEIN-SEQUENCE DATABASE; AMINO-ACID SUBSTITUTION MATRICES; PROTEIN BLOCKS	2	0	50.0
532	EXTENSIVE TRAS-TUBULAR NETWORK CONTINUOUS; TRANS GOLGI NETWORK SORTING; GOLGI-APPARATUS STACK THAT MAY FUNCTION; GLYCOSYLATION; EXIT SITE	2	0	50.0
1853	INTERLEUKIN-4 DEFICIENT MICE; GENERATION; DISRUPTION; ANALYSIS; MURINE IL-4 GENE BLOCKS TH2 CYTOKINE RESPONSES	2	0	50.0
1836	MICE LACKING MHC CLASS-II MOLECULES; MAJOR HISTOCOMPATIBILITY COMPLEX CLASS-II DEFICIENT MICE; CD4+ T-CELLS; DEPLETION	2	0	50.0
2039	MICE; INTERFERON-GAMMA RECEPTOR; DISRUPTED INTERFERON-GAMMA GENES; MICE THAT LACK; IMMUNE-RESPONSE	2	0	50.0
705	NEAR-FIELD OPTICAL-SCANNING MICROSCOPY; DIFFRACTION BARRIER OPTICAL MICROSCOPY; BREAKING; NANOMETRIC SCALE	2	0	50.0
2229	OPTICAL-FIBER NEAR-FIELD PROBES; PROTECTION LAYER CHEMICALLY ETCHED OPTICAL-FIBER TIPS; OPTIMIZATION; MECHANICALLY DRAWN; FABRICATION	2	0	50.0
1714	ORIGIN; MECHANISM; BOUNDARY LUBRICATION; ATOMIC FRICTION; STICK-SLIP MOTION	2	0	50.0
1982	POSSIBLE NEW HIGHLY STABLE FULLERIDE CLUSTER LI-12C-60; INTERCALATION; C-60 LATTICE; SODIUM HETEROCLUSTERS INTO	2	0	50.0
1046	SINGLE-CRYSTAL H2S GROWN; PERFORMANCE; HIGH-PRESSURE BRILLOUIN STUDIES; ELASTIC PROPERTIES; DIAMOND CELL	2	0	50.0
1975	SPINAL-INJURY; PROGRESSION; POSTURE AFFECTS MOTION COUPLING PATTERNS; ONSET; NEUTRAL ZONE SENSITIVITY	2	0	50.0
955	SUPERCONDUCTING CU OXIDES; RESONATING VALENCE BOND STATE; LA2CUO4; EFFECTIVE HAMILTONIAN; SUPERCONDUCTIVITY	2	0	50.0
2093	SURFACE MODIFICATION; RATS; PROLONG BLOOD-CIRCULATION; PEO PPO BLOCK-COPOLYMERS; NANOPARTICLES	2	0	50.0
1901	WATER; EARTHS MANTLE; EARTHS UPPER MANTLE; NOMINALLY ANHYDROUS MINERALS; ROLE	2	0	50.0
1368	YBA2CU4O8; 81-K SUPERCONDUCTOR YBA2CU4O8; HIGH OXYGEN-PRESSURE; CA DOPING; BULK SYNTHESIS	2	0	50.0

CH-Forschungsfronten 1999

Neurosciences

Nr.	Forschungsfront	K	I	CH%
364	EPILEPSY; TEMPORAL-LOBE EPILEPSY; ICTAL; LOCALIZATION; INTRACTABLE EPILEPSY	50	26	2.0
719	LOCOMOTION; SPASTIC PATIENTS; HUMANS; SPINAL-CORD; NONAMBULATORY HEMIPARETIC PATIENTS	49	18	6.1
597	CAVERNOUS MALFORMATIONS; CAVERNOUS ANGIOMAS; CEREBRAL CAVERNOUS ANGIOMAS; CAVERNOUS ANGIOMA; REVIEW	49	14	2.0
7	BEHAVIORAL ECONOMICS; CAFFEINE; EFFECTS; ADENOSINE RECEPTOR; ADENOSINE ADENOSINE RECEPTORS	48	25	4.2
471	AMYOTROPHIC-LATERAL-SCLEROSIS; FAMILIAL AMYOTROPHIC-LATERAL-SCLEROSIS; RILUZOLE; TRANSGENIC MICE EXPRESSING; SPORADIC AMYOTROPHIC-LATERAL-SCLEROSIS	47	38	4.3
1037	FUNCTIONAL MAGNETIC-RESONANCE-IMAGING; SUPPLEMENTARY MOTOR AREA; FUNCTIONAL MR-IMAGING; LOCALIZATION; MOTOR CORTEX	46	26	4.3
162	VESTIBULOOCULAR REFLEX; VESTIBULAR NEURONS MEDIATING; MONKEY; LINEAR ACCELERATION; SQUIRREL-MONKEY	42	12	11.9
637	ENDOSCOPIC 3RD VENTRICULOSTOMY; MANAGEMENT; ARACHNOID CYSTS; CENTRAL NEUROCYTOMA; COLLOID CYSTS	42	21	7.1
1433	MULTIPLE-SCLEROSIS; MULTIPLE-SCLEROSIS LESIONS; ACUTE MULTIPLE-SCLEROSIS LESIONS; MAGNETIZATION-TRANSFER; MULTIPLE-SCLEROSIS PLAQUES	42	45	2.4
666	CANCER PAIN; CARPROFEN; DOGS; COMPARISON; POSTOPERATIVE PAIN	41	34	2.4
338	VESTIBULAR EVOKED-POTENTIALS; GTP CYCLOHYDROLASE-I; VESTIBULAR NERVE; PATIENTS; MUTATIONS	40	38	10.0
1532	MULTIPLE-SCLEROSIS; RELAPSING-REMITTING MULTIPLE-SCLEROSIS; RELAPSING MULTIPLE-SCLEROSIS; INTERFERON BETA-1A	40	60	7.5
401	MELATONIN; MELATONIN RECEPTORS; MELATONIN TREATMENT; MELATONIN RHYTHMS; SERUM MELATONIN	39	26	2.6
158	**REGENERATION; AXONAL REGENERATION; RAT; NEURITE GROWTH; RETINAL GANGLION-CELLS**	**38**	**29**	**21.1**
77	ESTROGEN; ESTROGEN REPLACEMENT THERAPY; POSTMENOPAUSAL WOMEN; EFFECTS; RISK	38	29	2.6
661	DEMENTIA; ELDERLY; ROTTERDAM STUDY; CARDIOVASCULAR HEALTH STUDY; DEMENTIA DISORDERS	37	27	2.7
171	CEREBRAL VENOUS THROMBOSIS; IDIOPATHIC INTRACRANIAL HYPERTENSION; SINUS VENOUS THROMBOSIS; CEREBRAL VENOUS SINUS THROMBOSIS; CEREBRAL SINUS THROMBOSIS	36	19	8.3
734	ALZHEIMERS-DISEASE; PATIENTS; TACRINE; ALZHEIMER-DISEASE; DONEPEZIL	36	61	5.6
818	PARKINSONS-DISEASE; ADVANCED PARKINSONS-DISEASE; PALLIDOTOMY; TREATMENT; MICROELECTRODE-GUIDED POSTEROVENTRAL PALLIDOTOMY	36	50	5.6
780	SCHIZOPHRENIA; ASSERTIVE COMMUNITY TREATMENT; TREATMENT; AFTERCARE TREATMENT; CASE-MANAGEMENT	34	32	2.9
380	INTRACRANIAL VERTEBRAL ARTERY; DISSECTION; VERTEBRAL; VERTEBRAL ARTERY; VERTEBRAL ARTERY DISSECTION	33	6	3.0
520	HYPERFORIN; GINKGO-BILOBA; EXTRACT; HYPERICUM EXTRACTS; EFFECTS	32	72	3.1
1399	CORTICOBASAL DEGENERATION; TAU; PROGRESSIVE SUPRANUCLEAR PALSY; CHROMOSOME-17; FRONTOTEMPORAL DEMENTIA	32	56	3.1
894	PARKINSONS-DISEASE; PREFRONTAL CORTEX; PATIENTS; FRONTAL-LOBE DYSFUNCTION; HUMAN WORKING-MEMORY	31	39	3.2

Nr.	Forschungsfront	K	I	CH%
44	LEARNING; MUSHROOM BODIES; DIVISION-OF-LABOR; HONEYBEES; BEHAVIOR	28	39	3.6
1762	METABOTROPIC GLUTAMATE RECEPTORS; METABOTROPIC GLUTAMATE-RECEPTOR; RAT HIPPOCAMPUS; METABOTROPIC GLUTAMATE RECEPTOR; METABOTROPIC GLUTAMATE RECEPTORS MGLUR1	28	32	3.6
403	**TRANSARTICULAR SCREW FIXATION; ANTERIOR SCREW FIXATION; ANTERIOR ODONTOID SCREW FIXATION; ANTERIOR PORTION; ODONTOID**	**27**	**19**	**22.2**
1331	SCHIZOPHRENIA; TREATMENT; HALOPERIDOL; PATIENTS; OLANZAPINE	27	63	3.7
778	ESTIMATION; NEURONS; STEREOLOGY; UNBIASED STEREOLOGICAL ESTIMATION	26	15	19.2
368	EFFECTS; EVOKED-POTENTIAL MONITORING; MOTOR EVOKED-POTENTIALS; HUMANS; MOTOR EFFECTS	26	12	3.8
1054	SURGERY; LUMBAR DISC SURGERY; LUMBAR-DISK SURGERY; OUTCOME AFTER LUMBAR DISC SURGERY; LUMBAR DISC HERNIATIONS	24	21	12.5
146	STATUS EPILEPTICUS; NONCONVULSIVE STATUS EPILEPTICUS; CHILDREN; REFRACTORY STATUS EPILEPTICUS; MORTALITY	24	17	4.2
437	ANOREXIA-NERVOSA; OUTCOME; BULIMIA-NERVOSA; MORTALITY; ANOREXIA-NERVOSA OUTCOME	23	26	8.7
292	POSTNATAL DEPRESSION; POSTPARTUM DEPRESSION; WOMEN; POSTNATAL DEPRESSION DEVELOPMENT; CONTROLLED PROSPECTIVE-STUDY	23	30	4.3
611	CHRONIC INFLAMMATORY DEMYELINATING POLYRADICULONEUROPATHY; MULTIFOCAL MOTOR NEUROPATHY; CHRONIC INFLAMMATORY DEMYELINATING POLYNEUROPATHY; CONDUCTION BLOCK; MOTOR NEUROPATHY	23	22	4.3
325	SOCIAL PHOBIA; PANIC DISORDER; TREATMENT; FLUVOXAMINE; SOCIAL PHOBIA COMORBIDITY	23	22	4.3
807	SCHIZOPHRENIA; ONSET; GENDER DIFFERENCES; SCHIZOPHRENIA DIFFERENCES; ADULT SCHIZOPHRENIA	22	32	4.5
214	CRANIOPHARYNGIOMAS; RATHKE CYSTS; PATHOLOGICAL FEATURES; SYMPTOMATIC RATHKES CLEFT CYSTS; RATHKE CLEFT CYSTS	21	5	14.3
509	SEROTONIN RECEPTORS; 5-HT2C RECEPTORS; DISTRIBUTION; RAT-BRAIN; 5-HT2A	20	30	15.0
199	NITRIC-OXIDE; RAT; 7-NITRO INDAZOLE; NITRIC-OXIDE SYNTHASE; MOUSE	20	0	10.0
1334	PARKINSONS-DISEASE; LEVODOPA; TOLCAPONE; EFFECT; PARKINSONIAN-PATIENTS	19	47	15.8
560	SOMATIZATION; PRIMARY CARE; SOMATIZATION DISORDER; SOMATIC PRESENTATION; PRIMARY CARE SETTING	19	11	5.3
288	PERSONALITY-DISORDERS; DIAGNOSING PERSONALITY-DISORDERS; PERSONALITY-DISORDER; EFFECT; DSM-III PERSONALITY-DISORDERS	19	0	5.3
582	MICE; MICE LACKING; 129/J MICE; C57BL/6 MICE; DOPAMINE-TRANSPORTER KNOCKOUT MICE	17	53	5.9
909	PINDOLOL; TREATMENT; MAJOR DEPRESSION; EFFECT; SELECTED ANTIDEPRESSANT DRUGS	17	41	5.9
1099	EPILEPSY; INCIDENCE; NATIONAL GENERAL-PRACTICE STUDY; POPULATION-BASED STUDY; PROSPECTIVE POPULATION-BASED STUDY	15	33	6.7
240	WOMEN; SLEEP; PREMENSTRUAL DYSPHORIA; MENSTRUAL-CYCLE; TREATMENT	14	29	14.3
1235	PARKINSONS-DISEASE; DOPAMINE; DOPAMINE TRANSPORTERS; PATIENTS; POSITRON EMISSION TOMOGRAPHY	14	14	7.1
692	SLEEP; PERFORMANCE; SLEEP HOMEOSTAT; GOOD SLEEP; SLEEP INITIATION	13	0	15.4
834	ACUTE DISSEMINATED ENCEPHALOMYELITIS; FULMINANT ACUTE DISSEMINATED ENCEPHALOMYELITIS; RECURRENT ACUTE DISSEMINATED ENCEPHALOMYELITIS; ACUTE DISSEMINATED ENCEPHALOMYELITIS MRI FINDINGS; ACUTE ENCEPHALITIS	13	31	7.7

Nr.	Forschungsfront	K	I	CH%
377	POSTURAL CONTROL; HUMAN POSTURAL MOVEMENTS; HUMAN POSTURAL RESPONSES; OPEN-LOOP; ACTION-PERCEPTION CYCLE	13	8	7.7
1685	KAINATE RECEPTORS; KAINATE; DESENSITIZATION; KAINATE RECEPTORS MEDIATE; PRESYNAPTIC KAINATE RECEPTORS	12	58	8.3
618	ACUPUNCTURE; CHRONIC PAIN; PAIN; PERCUTANEOUS ELECTRICAL NERVE-STIMULATION; BACK PAIN	12	42	8.3
1210	NEW ANTIPSYCHOTIC; CLOZAPINE-INDUCED AGRANULOCYTOSIS; RISPERIDONE; ATYPICAL ANTIPSYCHOTIC PROFILE; CLOZAPINE-INDUCED AGRANULOCYTOSIS NON-CROSS-REACTIVITY	12	8	8.3
1148	MICROGLIA; AMEBOID MICROGLIA; RESIDENT MICROGLIA; MICROGLIA INTRINSIC IMMUNEFFECTOR CELL; NEUROLOGICAL DISEASE	11	0	18.2
367	INTRACRANIAL GERM-CELL TUMORS; PRIMARY INTRACRANIAL GERM-CELL TUMORS; INTRACRANIAL GERM-CELL TUMORS EFFECTIVENESS; INTRACRANIAL GERM-CELL TUMORS NATURAL-HISTORY; INTRACRANIAL GERMINOMA	11	36	9.1
1083	SPINAL EPIDURAL HEMATOMA; EPIDURAL HEMATOMA; SPINAL EPIDURAL HEMATOMA REPORT; SPONTANEOUS SPINAL EPIDURAL HEMATOMA; NONTRAUMATIC SPINAL EPIDURAL	11	18	9.1
939	**CEREBELLAR INFARCTION; CEREBELLAR INFARCTS; CLINICOPATHOLOGICAL STUDY; CEREBELLAR INFARCTION CLINICAL; TERRITORY**	**10**	**0**	**30.0**
287	LIGHT; BRIGHT LIGHT; LIGHT TREATMENT; BRIGHT LIGHT INDUCTION; BRIGHT LIGHT RESETS	10	10	20.0
566	CADASIL; LEUKOENCEPHALOPATHY; SUBCORTICAL INFARCTS; CADASIL CLINICAL FINDINGS; CADASIL CEREBRAL AUTOSOMAL-DOMINANT ARTERIOPATHY	10	40	10.0
980	PARKINSONS-DISEASE; SURVIVAL; PATIENTS; TRANSPLANTATION; INTRACTABLE PARKINSONS-DISEASE	10	30	10.0
701	SLEEP; POSTERIOR HYPOTHALAMUS; HUMAN SLEEP; RATS EFFECTS; RATS	10	30	10.0
1472	CLINICAL; DEMENTIA; LEWY BODY DEMENTIA; SENILE DEMENTIA; LEWY BODY TYPE	10	20	10.0
865	CARBOHYDRATE-DEFICIENT TRANSFERRIN; ALCOHOL-CONSUMPTION; SERUM; SERUM CARBOHYDRATE-DEFICIENT TRANSFERRIN; CARBOHYDRATE-DEFICIENT TRANSFERRIN GAMMA-GLUTAMYL-TRANSFERASE	10	10	10.0
2158	**WHIPLASH INJURY; LATE WHIPLASH SYNDROME; WHIPLASH ASSOCIATED DISORDERS REDEFINING WHIPLASH; SIGNS AFTER WHIPLASH INJURY; LATE WHIPLASH SYNDROME OUTSIDE**	**9**	**56**	**33.3**
1888	**EVOLUTION; P53 GENE; ALTERATIONS; PROGRESSION; HUMAN BRAIN-TUMORS**	**9**	**22**	**33.3**
1512	AFTER UNILATERAL VESTIBULAR NEURECTOMY; SUBJECTIVE VISUAL VERTICAL; OCULAR TORSION; VESTIBULAR FUNCTION; VESTIBULAR NERVE	9	22	11.1
451	**QUANTITATIVE ENZYME AUTORADIOGRAPHY; MONOAMINE OXIDASE-A; BRAIN; OXIDASE-B; HUMAN MONOAMINE OXIDASE-A**	**8**	**38**	**25.0**
750	**ALKALOIDAL COCAINE; BENZODIAZEPINE RECEPTORS; BRAIN BENZODIAZEPINE RECEPTOR CHANGES; TRANSIENT CEREBRAL ISCHEMIC ATTACKS; CEREBRAL VASCULAR PATTERN THAT PREDICT VULNERABILITY**	**8**	**12**	**25.0**
2020	ONTARIO; UNITED-STATES; USE; PSYCHOLOGICAL DISORDERS	8	88	12.5
2022	DENDRITIC SPINES; DENDRITIC FILOPODIA; INDIVIDUAL DENDRITIC SPINES; DENDRITIC SPINE DEVELOPMENT; DENDRITIC SPINE CHANGES ASSOCIATED	8	50	12.5
1931	HIPPOCAMPUS; HOMOSYNAPTIC LONG-TERM DEPRESSION; AREA CA1; LONG-TERM DEPRESSION; HIPPOCAMPAL LONG-TERM DEPRESSION	8	38	12.5
2071	SYNAPTIC PLASTICITY; NEURAL CELL-ADHESION MOLECULE; PLASTICITY; NEURAL CELL-ADHESION MOLECULES; ACTIVITY-INDUCED SYNAPTIC PLASTICITY	7	43	42.9

Nr.	Forschungsfront	K	I	CH%
1123	CALRETININ; CALCIUM-BINDING PROTEINS; BRAIN-SPECIFIC CALCIUM-BINDING PROTEIN; RAT; NERVOUS-SYSTEM	7	0	28.6
1140	JOUBERT SYNDROME; DANDY-WALKER SYNDROME; JOUBERT-SYNDROME; JOUBERT-SYNDROME REVISITED KEY OCULAR MOTOR SIGNS; POSTERIOR-FOSSA MALFORMATIONS	7	29	14.3
1300	MONOAMINE OXIDASE-A; HUMAN MONOAMINE OXIDASE-A; HUMAN-LIVER MONOAMINE OXIDASE-A; OXIDASE-B MOLECULAR-BASIS; MICE LACKING MAOA	7	14	14.3
441	PARKINSONS-DISEASE; ALTERATIONS; PARKINSONS-DISEASE BRAIN; IRON FERRITIN; BRAIN	7	14	14.3
1715	MR; MR FINDINGS; PERINATAL ASPHYXIA MR FINDINGS; CEREBRAL-PALSY MR FINDINGS; PERINATAL ASPHYXIA CORRELATION	7	0	14.3
2033	SLEEP; HUMAN SLEEP EEG; SYNCHRONIZED SLEEP OSCILLATIONS; HUMAN SLEEP HOMEOSTASIS BASED; HEART-RATE-VARIABILITY DURING SPECIFIC SLEEP STAGES	6	0	33.3
1153	BLOOD-BRAIN-BARRIER TRANSPORT; TRANSPORT; RAT BLOOD-BRAIN-BARRIER; PRIMATE BLOOD-BRAIN-BARRIER IN-VIVO; BRAIN EFFECTS	6	50	16.7
962	VALPROIC ACID HEPATIC FATALITIES; VALPROIC ACID HEPATIC FATALITIES US EXPERIENCE SINCE 1984; VALPROIC ACID HEPATIC FATALITIES US EXPERIENCE SINCE 1986; 8 NEW FATALITIES; CARBAMAZEPINE THERAPY	6	17	16.7
1130	FACIAL EXPRESSIONS; EMOTION; AMERICAN-JAPANESE CULTURAL-DIFFERENCES; UNIVERSAL FACIAL EXPRESSIONS; UNIVERSAL FACIAL EXPRESSIONS EVIDENCE	6	0	16.7
1682	YOUNG-ADULTS; MIGRAINE; MIGRAINE PSYCHIATRIC-DISORDERS; MIGRAINE MAJOR DEPRESSION; EPIDEMIOLOGIC-STUDY	5	0	40.0
2000	ALCOHOL-PROBLEMS WITHOUT TREATMENT; ALCOHOL-PROBLEMS; ALCOHOL; RECOVERY; WITHOUT TREATMENT PREVALENCE	5	40	20.0
1683	MENTAL-HEALTH; MENTAL-HEALTH AMONG GENERAL-PRACTITIONERS BEFORE; STRESS ANXIETY; JOB STRESS SATISFACTION; DEPRESSION IN-HOSPITAL CONSULTANTS GENERAL-PRACTITIONERS	5	40	20.0
1466	INTERLEUKIN-1; INTERLEUKIN-6; INTERLEUKIN-6 PRODUCED; RAT-BRAIN FOLLOWING TRAUMATIC LESION INFLUENCE; INTERLEUKIN-1 BETA MESSENGER-RNA	5	0	20.0
2375	HUMAN METABOTROPIC RECEPTORS; HUMAN TYPE 1-ALPHA METABOTROPIC GLUTAMATE-RECEPTOR EXPRESSION LEVEL; PHOSPHOINOSITIDE; CA2+ SIGNALING; STABLE EXPRESSION	4	100	50.0
2276	MIDDLE CEREBRAL-ARTERY TERRITORY ETIOLOGY; MALIGNANT MIDDLE CEREBRAL-ARTERY TERRITORY INFARCTION CLINICAL COURSE; DECOMPRESSIVE SURGERY; DECOMPRESSIVE CRANIECTOMY; SPACE-OCCUPYING HEMISPHERIC INFARCTION RESULTS	4	75	25.0
1949	ANALYSIS; CEREBRAL CONNECTIONS; OBJECTIVE ANALYSIS; CEREBRAL NETWORK COMPONENTS; REVERSIBLE DEACTIVATION	4	50	25.0
2133	EEG-TRIGGERED ECHO-PLANAR FUNCTIONAL MRI; FUNCTIONAL MAGNETIC-RESONANCE-IMAGING; NONINVASIVE EPILEPTIC FOCUS LOCALIZATION USING EEG-TRIGGERED FUNCTIONAL MRI; PATIENTS EEG DURING ECHO-PLANAR MRI; FOCAL SEIZURES	4	50	25.0
1754	HASHIMOTOS ENCEPHALOPATHY; HASHIMOTO ENCEPHALOPATHY; HASHIMOTOS MYOCLONIC ENCEPHALOPATHY; STEROID-RESPONSIVE DISORDER ASSOCIATED; SPECT SCANNING SUGGESTS	4	50	25.0
1355	OPTIC NEURITIS; OPTIC NEURITIS PROGNOSIS; RECOVERY AFTER OPTIC NEURITIS; DEVELOPING MULTIPLE-SCLEROSIS AFTER CHILDHOOD OPTIC NEURITIS; CHILDHOOD	4	50	25.0
1792	TRYPTOPHAN-HYDROXYLASE GENE; TRYPTOPHAN-HYDROXYLASE POLYMORPHISM; POLYMORPHIC HUMAN TRYPTOPHAN-HYDROXYLASE INTRON-7; SEQUENCE SPLICE-SITE; POPULATION FREQUENCY-DISTRIBUTION ANALYSES	4	50	25.0

Nr.	Forschungsfront	K	I	CH%
731	CHRONIC NEURAL RECORDING; NEURAL ACTIVITY; PARALLEL RECORDING; 3-DIMENSIONAL MICROELECTRODE ARRAY; SILICON-SUBSTRATE MICROELECTRODE ARRAYS	4	25	25.0
1771	BRAIN-STEM REFLEXES; BLINK REFLEXES; MRI-TOPOGRAPHICAL CORRELATIONS; LOWER BRAIN-STEM CLINICAL ETIOLOGIC; WALLENBERG LATERAL MEDULLARY SYNDROME CLINICAL-MAGNETIC RESONANCE IMAGING CORRELATIONS	4	0	25.0
1826	CAT VISUAL-CORTEX; CAT PRIMARY VISUAL-CORTEX; CAT VISUAL CORTICAL SIMPLE CELLS; PYRAMIDAL CELL MODULES; ORIENTATION SELECTIVITY	4	0	25.0
1312	CIRCADIAN PHASE POSITION; DELAYED PHASE PREFERENCE; DIM LIGHT MELATONIN ONSET; POSTURE INFLUENCES MELATONIN CONCENTRATIONS; SALIVA	4	0	25.0
1801	PRETERM INFANTS; OUTCOME; NEUROLOGICAL OUTCOME; PERIVENTRICULAR DENSITIES; TRANSIENT PERIVENTRICULAR ECHODENSITIES	4	0	25.0
1952	BIOCHEMICAL PRESENTATION; VARIABLE CLINICAL; GLUTARIC ACIDURIA TYPE-I UNUSUAL BIOCHEMICAL PRESENTATION; CLINICAL COURSE EARLY DIAGNOSIS TREATMENT; GLUTARYL-COA-DEHYDROGENASE DEFICIENCY	3	33	33.3
1406	GAP-43; AXONAL GROWTH-ASSOCIATED PROTEINS; NEURAL GROWTH-ASSOCIATED PROTEIN GAP-43 INDUCES NERVE SPROUTING; PLASTICITY; OVEREXPRESSION	3	33	33.3
1419	EPIDERMOID TUMORS; INTRACRANIAL EPIDERMOID TUMORS; 44 CASES; 33 CASES; INTRACRANIAL DERMOID	3	0	33.3
1030	GROWTH-MECHANISM; GIANT INTRACRANIAL ANEURYSMS DEMONSTRATION; INTRACRANIAL ANEURYSMS TREATED; THROMBOSED GROWING GIANT ANEURYSMS; MR FINDINGS	3	0	33.3
718	INSULIN-LIKE GROWTH-FACTORS; INSULIN INSULIN-LIKE GROWTH FACTOR-II; NERVE GROWTH-FACTOR; INSULIN-LIKE GROWTH FACTOR-I %IGF-I< STIMULATES REGENERATION; NERVE SPROUTING	3	0	33.3
983	LIFETIME PREVALENCE; LOS-ANGELES; PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; SPECIFIC PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; PATHWAYS	3	0	33.3
1427	PREMORBID PERSONALITY ASSESSMENTS; DEPRESSIVE PERSONALITY; PREMORBID PERSONALITY-TRAITS; MEN WHO DEVELOP UNIPOLAR OR BIPOLAR DISORDERS; MAJOR DEPRESSION	3	0	33.3
1796	ORGANOTYPIC CULTURES; ORGANOTYPIC SLICE CULTURES; SIMPLE METHOD; NERVOUS-TISSUE; AGE	2	50	100.0
2267	VASOPRESSIN; VASOPRESSIN V-1A RECEPTORS; OXYTOCIN RECEPTORS; NOVEL LINEAR RADIOIODINATED VASOPRESSIN ANTAGONIST; CHARACTERIZATION	2	50	100.0
2155	BCL-2; TRANSGENIC MICE ARE PROTECTED; NATURALLY-OCCURRING CELL-DEATH; BCL-2 PROTOONCOGENE; AXOTOMY-INDUCED CELL-DEATH	2	0	100.0
2021	PROGRESS TOWARD ACHIEVING; MENTAL; COMMON LANGUAGE; BEHAVIORAL-DISORDERS; PSYCHIATRY RESULTS	2	0	100.0
2330	NEAR-INFRARED SPECTROSCOPY; SIMULTANEOUS RCBF-PET; PARIETAL CEREBRAL HEMOGLOBIN OXYGENATION DURING PERFORMANCE; NEAR-INFRARED SPECTROSCOPY %NIRS< CORRELATION; SIMULTANEOUS RECORDING	2	100	50.0
1965	BRAIN IMAGING; PARAMETRIC IMAGING; RETRACTABLE SEPTA; POSITRON TOMOGRAPH; PHYSICAL PERFORMANCE	2	50	50.0
2199	DAYTIME MELATONIN ADMINISTRATION ENHANCES SLEEPINESS; MELATONIN POSSESSES TIME-DEPENDENT HYPNOTIC EFFECTS; THETA/ALPHA ACTIVITY; WAKING EEG	2	50	50.0
1426	MITOCHONDRIAL ENCEPHALOMYOPATHY; FAMILIAL MITOCHONDRIAL ENCEPHALOMYOPATHY; COENZYME Q%10< DEFICIENCY; MUSCLE COENZYME-Q DEFICIENCY	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
307	POSTTRAUMATIC SYRINGOMYELIA %CYSTIC MYELOPATHY<; POSTTRAUMATIC CERVICAL SYRINGOMYELIA INCIDENCE CLINICAL PRESENTATION ELECTROPHYSIOLOGICAL STUDIES SYRINX PROTEIN; RESULTS; PROSPECTIVE-STUDY; OPERATIVE TREATMENT	2	50	50.0
1722	BENZODIAZEPINE RECEPTORS; NEURONAL BENZODIAZEPINE RECEPTOR LIGANDS; PARTIAL AGONISTS; NOVEL ANXIOLYTICS THAT ACT; RAPIDLY EXPANDING RANGE	2	0	50.0
1001	CEREBROSPINAL-FLUID; BLOOD CEREBROSPINAL-FLUID BARRIER; PROTEIN TRANSFER; MULTIPLE-SCLEROSIS; HUMORAL IMMUNE-RESPONSE WITHIN	2	0	50.0
1510	COSTS INFLUENCE SEQUENTIAL MATE CHOICE; DEVELOPMENTAL STAGE INFLUENCE SPAWNING-SITE CHOICE; FEMALE GARIBALDI; EGG PRESENCE; STICKLEBACKS GASTEROSTEUS-ACULEATUS	2	0	50.0
875	MAGNETIC STIMULATION; MAGNETIC STIMULATION SITES; MOTOR-RESPONSES; MECHANISMS; IPSILATERAL	2	0	50.0
1513	MIGRAINE; SEROTONIN; SEROTONIN METABOLISM; CLINICAL; PHARMACOLOGICAL REVIEW	2	0	50.0
308	NONHEMORRHAGIC THALAMIC INFARCTION CLINICAL NEUROPSYCHOLOGICAL; THALAMIC INFARCTS CLINICAL SYNDROMES ETIOLOGY; ELECTROPHYSIOLOGICAL FINDINGS; COMPUTERIZED-TOMOGRAPHY; 4 ANATOMICAL GROUPS DEFINED	2	0	50.0
2003	POSTNATAL-DEVELOPMENT; RAT GABA%A<-RECEPTOR SUBTYPES DURING POSTNATAL-DEVELOPMENT; RAT-BRAIN EMBRYONIC; IMMUNOHISTOCHEMICAL STUDY; EXPRESSION	2	0	50.0
1036	SEROTONIN RECEPTORS; SEROTONIN-2 RECEPTORS; SEROTONIN 5HT%2< RECEPTOR IMAGING; NEW RADIOLIGAND @F-18* ALTANSERIN RESULTS; HUMAN-BRAIN AUTORADIOGRAPHIC MAPPING	2	0	50.0
1015	STUDY; PROGNOSIS; ISCHEMIC STROKE; EARLY CEREBRAL-ANGIOGRAPHY; CEREBRAL INFARCTION	2	0	50.0

CH-Forschungsfronten 1999
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Nr.	Forschungsfront	K	I	CH%
472	MICROSPHERES; BIODEGRADABLE MICROSPHERES; PREPARATION; RELEASE; TETANUS TOXOID	46	9	8.7
1706	**VALSARTAN; NEW ANGIOTENSIN-II ANTAGONIST; HYPERTENSION; ANGIOTENSIN-II RECEPTOR ANTAGONIST; ESSENTIAL-HYPERTENSION**	**34**	**47**	**20.6**
313	**CYCLOSPORINE; CYCLOSPORINE PHARMACOKINETICS; MICROEMULSION FORMULATION; BIOEQUIVALENCE; PHARMACOKINETICS**	**31**	**42**	**22.6**
2153	ORPHANIN FQ/NOCICEPTIN; NOVEL MEMBER; RAT; NOCICEPTIN RECEPTOR; OPIOID RECEPTOR FAMILY	28	68	10.7
213	CHITOSAN; MUCOADHESIVE POLYMERS; DELIVERY; ABSORPTION ENHANCERS; PEPTIDE	28	29	3.6
32	1,3-BUTADIENE; HUMAN LIVER-MICROSOMES; HUMAN LIVER; LIVER PROTEIN ADDUCTS; NONSTEROIDAL ANTIINFLAMMATORY DRUG DICLOFENAC	25	16	8.0
503	**DEBRISOQUINE; CYP2D6; POLYMORPHISM; IDENTIFICATION; CYTOCHROME-P450 CYP2D LOCUS**	**23**	**22**	**34.8**
710	TRAMADOL; TRAMADOL ENANTIOMERS; RACEMIC TRAMADOL; TRAMADOL ANALGESIC EFFICACY; CENTRAL ANALGESIC TRAMADOL	23	17	8.7
509	SEROTONIN RECEPTORS; 5-HT2C RECEPTORS; DISTRIBUTION; RAT-BRAIN; 5-HT2A	20	30	15.0
199	NITRIC-OXIDE; RAT; 7-NITRO INDAZOLE; NITRIC-OXIDE SYNTHASE; MOUSE	20	0	10.0
542	HYDROGEN-BONDING; REVERSED-PHASE HIGH-PERFORMANCE LIQUID-CHROMATOGRAPHY; STUDY; USE; BRAIN PENETRATION	20	35	5.0
1749	LOVASTATIN; LOVASTATIN ACID; SIMVASTATIN; INTERACTION; HUMANS	18	78	11.1
1018	BREAST-CANCER; ORGANOCHLORINE PESTICIDES; RISK; ENVIRONMENTAL ORGANOCHLORINE EXPOSURE; ORGANOCHLORINE EXPOSURE	17	35	5.9
1249	TOLTERODINE; TREATMENT; OXYBUTYNIN; OVERACTIVE BLADDER; RANDOMIZED DOUBLE-BLIND MULTICENTER TRIAL	16	50	6.3
1	OCHRATOXIN-A; GE<< OCHRATOXIN-A; OCHRATOXIN-A CONTENT; RELATION; NEPHROPATHY	16	12	6.3
1736	**ALTERNATIVES; EVALUATION; DRAIZE EYE IRRITATION TEST; IN-VITRO ALTERNATIVES; VALIDATION**	**14**	**43**	**35.7**
892	POPULATION PHARMACOKINETICS; POPULATION PHARMACOKINETIC; POPULATION ANALYSIS; POPULATION PHARMACOKINETICS DYNAMICS; POPULATION PHARMACOKINETICS THEORY	12	8	16.7
698	NICORANDIL; PHARMACOLOGY; THERAPEUTIC EFFICACY; CROMAKALIM NICORANDIL; THERAPEUTIC EFFECTS	9	11	11.1
1242	DESIGN; NONPEPTIDE FIBRINOGEN RECEPTOR ANTAGONISTS DISCOVERY; LOW-MOLECULAR-WEIGHT NONPEPTIDE FIBRINOGEN RECEPTOR ANTAGONISTS; PEPTIDOMIMETICS; DISCOVERY	8	38	12.5
1025	MINK; DIETARY EXPOSURE; MINK REPRODUCTION; CARP; MINK %MUSTELA-VISON<	7	14	14.3
1359	TOXIC EQUIVALENCY FACTORS; H4IIE RAT HEPATOMA-CELL BIOASSAY; ASSESSING TOXIC POTENCY; USE; TOXIC EQUIVALENCY FACTOR CONCEPT	6	17	16.7
798	PATIENTS; EFFECT; 5-HT1-LIKE; CONTROL PATIENTS; 5-HT1-LIKE RECEPTOR	6	0	16.7
374	SOLUBILITY; LOW SOLUBILITY; MOBILE ORDER; MOBILE ORDER THERMODYNAMICS; MOBILE DISORDER	5	20	60.0

Nr.	Forschungsfront	K	I	CH%
787	ENDOMORPHIN-1; ENDOMORPHIN-2; NEW ENDOGENOUS OPIOID-PEPTIDES ENDOMORPHIN-1; HUMAN MU-OPIOID RECEPTOR; ENDOMORPHIN-2 ARE PARTIAL AGONISTS	5	80	20.0
559	DEXTROMETHORPHAN; DISPOSITION; METABOLISM; POLYMORPHIC DEXTROMETHORPHAN METABOLISM CO-SEGREGATION; PROPAFENONE METABOLISM	5	40	20.0
2375	HUMAN METABOTROPIC RECEPTORS; HUMAN TYPE 1-ALPHA METABOTROPIC GLUTAMATE-RECEPTOR EXPRESSION LEVEL; PHOSPHOINOSITIDE; CA2+ SIGNALING; STABLE EXPRESSION	4	100	50.0
2073	PRECISION-CUT LIVER SLICES; PRECISION-CUT TISSUE-SLICES APPLICATIONS; METABOLISM STUDIES; TISSUE-SLICES; FUTURE APPLICATIONS	4	50	50.0
1453	INHIBITION; PROTEIN-KINASE-C INHIBITION; PROTEIN-KINASE C INHIBITION; FLAVONOIDS DIETARY-DERIVED INHIBITORS; PLANT FLAVONOIDS KINETIC MECHANISMS	4	75	25.0
1688	PHARMACOKINETICS; CYCLOSPORINE; CYCLOSPORINE CLINICAL PHARMACOKINETICS; RATS; PROTEIN-CALORIE MALNUTRITION	4	25	25.0
1768	REVIEW; TREATMENT; PAMIDRONATE; BISPHOSPHONATES; PAMIDRONATE DISODIUM	4	25	25.0
1187	LIDOCAINE METABOLISM; HEPATIC LIDOCAINE METABOLISM; HEPATIC MICROSOMES COMPARISON; RAT HEPATIC CYTOCHROME-P-450S; HUMAN-LIVER MICROSOMES	4	0	25.0
1868	TOXICITY; GLUTATHIONE DEFICIENCY; GLUTATHIONE IMPLICATIONS; CYCLOPHOSPHAMIDE TOXICITY CHARACTERIZING; PROBLEM	3	33	33.3
1971	TRANSDERMAL TRANSPORT; NONIONIC SURFACTANT BASED ORGANOGELS INCORPORATING NIOSOMES; MATRIX; LECITHIN ORGANOGEL; IN-VITRO STUDY	3	33	33.3
2368	LIQUID-CHROMATOGRAPHY ULTRA-VIOLET MASS-SPECTROMETRIC; LIQUID-CHROMATOGRAPHY NUCLEAR-MAGNETIC-RESONANCE SPECTROSCOPIC ANALYSIS; STRUCTURE DETERMINATION; NATURAL-PRODUCTS; LC-NMR	2	100	50.0
2304	METALLOTHIONEIN; SNAIL CD; ITS ROLE; CU METABOLISM; TOXIC METAL REGULATION	2	100	50.0
2310	SYSTEMIC ABSORPTION; SUNSCREEN AFTER TOPICAL APPLICATION; SUN PROTECTION FACTOR; SKIN PENETRATION; 2 VEHICLES	2	100	50.0
2360	Y2 ANTAGONIST; NEUROPEPTIDE-Y; SELECTIVE ANTAGONIST; Y2 RECEPTOR SYNTHESIS; NOVEL NONPEPTIDE NEUROPEPTIDE-Y Y1 RECEPTOR ANTAGONIST BIBO-3304	2	100	50.0
1722	BENZODIAZEPINE RECEPTORS; NEURONAL BENZODIAZEPINE RECEPTOR LIGANDS; PARTIAL AGONISTS; NOVEL ANXIOLYTICS THAT ACT; RAPIDLY EXPANDING RANGE	2	0	50.0
2258	BLOOD LEAD; BLOOD LEAD LEVELS; PETROL LEAD; TRANSITION PERIOD %1984-1993<; TIME TREND	2	0	50.0
1600	CYCLOSPORINE; HUMAN GASTROINTESTINAL-TRACT; DOSE; CHILDREN AFTER LIVER-TRANSPLANTATION; ABSORPTION SITE	2	0	50.0
1469	CYTOCHROME-P-450 HPCN3; HPCN3; NOVEL CYTOCHROME-P-450 IIIA-GENE PRODUCT THAT IS DIFFERENTIALLY EXPRESSED; METABOLIC CAPABILITIES; M	2	0	50.0
1521	ENDOTHELIUM-DERIVED CONTRACTING FACTORS; ENDOTHELINS; BIOCHEMISTRY; MOLECULAR-BIOLOGY	2	0	50.0
1295	IDENTIFICATION; HUMAN-LIVER IDENTIFICATION; CYCLOSPORINE METABOLISM; CYCLOSPORINE; METABOLISM	2	0	50.0
2098	INTERLEUKIN-2; SUBCUTANEOUS LOW-DOSE INTERLEUKIN-2 ALONE VS INTERLEUKIN-2 PLUS; REVIEW; RANDOMIZED STUDY; PINEAL NEUROHORMONE MELATONIN	2	0	50.0
924	NATURAL-PRODUCTS CHEMISTRY; J-CROSS-PEAKS; INVERSE-DETECTED 2-DIMENSIONAL NMR METHODS APPLICATIONS; CROSS-RELAXATION; 2D ROTATING-FRAME NMR-SPECTROSCOPY	2	0	50.0
2055	P-450 3A4; CYTOCHROMES P-450 1A2; NEUROLEPTICS; MAJOR PATHWAY; IMIPRAMINE METABOLISM IS CATALYZED	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
836	SPARTEINE DEBRISOQUINE POLYMORPHISM; DA RAT POLY-MORPHISM; DEBRISOQUINE 4-HYDROXYLASE CHARACTERIZATION; RELATION; NEW P450 GENE SUBFAMILY REGULATION CHROMOSO-MAL MAPPING	2	0	50.0
1912	SUBHYPNOTIC DOSES; PROPOFOL POSSESS DIRECT ANTIEMETIC PRO-PERTIES; N1E-115 NEUROBLASTOMA-CELLS; INHIBITION; CATION CHANNEL	2	0	50.0

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Nr.	Forschungsfront	K	I	CH%
303	CHIRAL LAGRANGIANS; EFFECTIVE-FIELD THEORY; TOTAL CROSS-SECTION; PI-N SCATTERING; NUCLEAR-FORCES	50	46	4.0
46	MERIT; THERMOELECTRIC FIGURE; EFFECT; SUPERLATTICES; THERMAL-CONDUCTIVITY	50	58	2.0
335	MAGNETIC-ANISOTROPY; MAGNETOCRYSTALLINE ANISOTROPY; X-RAY CIRCULAR-DICHROISM; PERPENDICULAR MAGNETIC-ANISOTROPY; ULTRATHIN MAGNETIC-FILMS	50	24	2.0
1328	SCALING BEHAVIOR; STOCK-MARKET; EARTHQUAKES; SCALING; POWER-LAW SCALING	49	45	14.3
913	CUGEO3; SPIN GAP; SPIN-PEIERLS SYSTEM CUGEO3; SPIN-PEIERLS TRANSITION; SPIN GAPS	49	53	10.2
1044	ATMOSPHERIC NEUTRINOS; NEUTRINO OSCILLATIONS; ATMOSPHERIC NEUTRINO FLUX; ATMOSPHERIC NEUTRINO DEFICITS; RESULTS	49	63	4.1
1172	SEMICONDUCTOR OPTICAL AMPLIFIERS; 4-WAVE-MIXING; SEMICONDUCTOR OPTICAL AMPLIFIER; SEMICONDUCTOR-LASER AMPLIFIERS; SEMICONDUCTOR-LASER AMPLIFIER	49	59	4.1
444	COSMOLOGICAL CONSTANT; COSMOLOGY; COSMOLOGICAL MODELS; COSMOLOGICAL CONSEQUENCES; TYPE-IA SUPERNOVAE	49	53	4.1
413	SUPERCONDUCTING TUNNEL-JUNCTIONS; DETECTORS; SUPERCONDUCTING TUNNEL JUNCTION; TUNNELING; SUPERCONDUCTING TUNNEL JUNCTION DETECTORS	49	55	2.0
668	FEAL; NIAL; EFFECT; IRON ALUMINIDES; DIFFUSION	49	41	2.0
433	TIME-SERIES; CORRELATION DIMENSION; OBSERVED CHAOTIC DATA; LOW-DIMENSIONAL CHAOS; NOISE-REDUCTION	49	20	2.0
1389	NANOTUBES; SYNTHESIS; CARBON NANOTUBES; BORON-NITRIDE NANOTUBES; CARBON	48	62	6.3
537	NON-FERMI-LIQUID BEHAVIOR; SUPERCONDUCTING STATE; DE-HAAS-VAN-ALPHEN EFFECT; HEAVY-FERMION SUPERCONDUCTIVITY; UPD2AL3	48	33	6.3
231	EXACT SOLUTION; SUPERCONDUCTIVITY; HOLE SUPERCONDUCTIVITY; EXACT RESULTS; EXACT S-MATRICES	48	17	6.3
585	RELATIVISTIC MEAN-FIELD THEORY; NUCLEAR-MATTER; FINITE NUCLEI; NUCLEI; RHO-MESON	48	44	4.2
105	SILICON; ERBIUM-DOPED SILICON; SI; ERBIUM LUMINESCENCE; POROUS SILICON	48	44	4.2
948	DISPLACEMENT CASCADES; MOLECULAR-DYNAMICS STUDY; METALS; DEFECT PRODUCTION; ENERGETIC DISPLACEMENT CASCADES	48	23	4.2
573	WAFER BONDING; BONDING; SILICON-ON-INSULATOR; SILICON; DIRECT BONDING	48	46	2.1
344	NUCLEUS-NUCLEUS COLLISIONS; PB-PB COLLISIONS; NUCLEAR COLLISIONS; HEAVY-ION COLLISIONS; RELATIVISTIC HEAVY-ION COLLISIONS	47	51	12.8
1344	CRITICAL-CURRENT DENSITY; AG-SHEATHED TAPES; AG/%BI,PB<%2<SR2CA2CU3O10 TAPES; EFFECT; 2223 PHASE FORMATION	47	36	12.8
1203	MAGNETIZATION; MACROSCOPIC QUANTUM TUNNELING; QUANTUM TUNNELING; TUNNELING; RESONANT MAGNETIZATION TUNNELING	47	60	4.3
695	X-RAY MAGNETIC CIRCULAR-DICHROISM; CALCULATIONS; MAGNETIC CIRCULAR X-RAY DICHROISM; X-RAY PHOTOELECTRON-SPECTROSCOPY; X-RAY NATURAL CIRCULAR-DICHROISM	47	21	2.1
358	CELLULAR NEURAL NETWORKS; STABILITY; NONLINEAR LATTICES; NONLINEAR MODEL; DYNAMICS	47	17	2.1
976	B-*PI-K DECAYS; ELECTROWEAK PENGUINS; HEAVY MESONS; DECAYS; CP VIOLATION	46	43	17.4

Nr.	Forschungsfront	K	I	CH%
1169	RELAXOR FERROELECTRICS; RELAXOR FERROELECTRIC PBMG1/3NB2/3O3; PBMG1/3NB2/3O3 CERAMICS; RELAXOR PBMG1/3NB2/3O3; LEAD MAGNESIUM NIOBATE RELAXORS	46	26	13.0
1526	YBA2CU3O7-DELTA; SUPERCONDUCTORS; TYPE-II SUPERCONDUCTORS; UNTWINNED YBA2CU3O7-DELTA; VORTEX DYNAMICS	46	43	10.9
175	ICOSAHEDRAL QUASI-CRYSTALS; QUASI-CRYSTALS; ICOSAHEDRAL AL-PD-MN SINGLE QUASI-CRYSTALS; STRUCTURE; ICOSAHEDRAL QUASICRYSTALS	46	39	10.9
17	GUINEA-PIG COCHLEA; BASILAR-MEMBRANE; COCHLEAR AMPLIFIER; BASILAR-MEMBRANE MECHANICS; LOUDNESS GROWTH	46	26	2.2
1007	SUPERCONDUCTIVITY; PRBA2CU3O7; SUPERCONDUCTIVITY CONTROLLED; QUENCHING SUPERCONDUCTIVITY; BULK SUPERCONDUCTIVITY	45	20	4.4
773	NEMATIC LIQUID-CRYSTALS; PHOTOREFRACTIVE POLYMER; PHOTOREFRACTIVE POLYMERS; LIQUID-CRYSTALS; ORIENTATIONAL PHOTOREFRACTIVE EFFECTS	45	51	2.2
111	WATER; SUPERCOOLED WATER; LIQUID WATER; GLASS-TRANSITION; LIQUID-GLASS TRANSITION	45	38	2.2
125	**MEASUREMENT; HERA; PROTON; QCD; PROTON STRUCTURE-FUNCTION F2**	**44**	**50**	**22.7**
763	EXTENSIONAL VISCOSITY; VISCOELASTIC FLOWS; VISCOELASTIC POLYMER-SOLUTIONS; EXTENSIONAL FLOW; COMPUTING VISCOELASTIC FLOWS	44	36	6.8
1462	LA1-XCAXMNO3; GIANT MAGNETORESISTANCE; LA1-XSRXMNO3; MANGANITES; COLOSSAL MAGNETORESISTANCE	44	68	2.3
346	GLASSES; VITREOUS SILICA; AMORPHOUS-SILICON; DIFFUSION; THERMAL-CONDUCTIVITY	44	45	2.3
677	CONFINEMENT; SU%2< LATTICE GAUGE-THEORY; QCD; MONOPOLES; COLOR CONFINEMENT	43	44	11.6
485	COULOMB DISSOCIATION; NUCLEAR RADII; LI-11; HE-6; STRUCTURE	43	40	7.0
641	QUANTUM WIRES; GAAS; SURFACE SEGREGATION; GAAS V-SHAPED QUANTUM WIRES; REALISTIC QUANTUM WIRES	43	21	7.0
189	2-DIMENSIONAL PERCOLATION; PERCOLATION CLUSTERS; CRITICAL PERCOLATION; 2D PERCOLATION; PERCOLATION	43	21	4.7
1345	ANTIFERROELECTRIC; ANTIFERROELECTRIC LIQUID-CRYSTALS; LIQUID-CRYSTALS; SMECTIC LIQUID-CRYSTALS; TRISTABLE SWITCHING	43	35	2.3
996	ELECTRON DYNAMICS; ULTRAFAST DYNAMICS; ULTRAFAST ELECTRON DYNAMICS; ULTRAFAST SPIN DYNAMICS	42	60	9.5
685	MECHANICAL ALLOYING; EFFECTS; MG2NI ALLOY; HYDRIDING PROPERTIES; HYDROGEN STORAGE PROPERTIES	42	40	9.5
604	UNIVERSE; OPEN UNIVERSE; MICROWAVE BACKGROUND; COSMIC MICROWAVE BACKGROUND-RADIATION; ANISOTROPY	42	57	2.4
244	**JET CROSS-SECTIONS; NEXT-TO-LEADING ORDER QCD; DELPHI DETECTOR; NEXT-TO-LEADING ORDER; L3 EXPERIMENT**	**41**	**41**	**51.2**
262	MEASUREMENT; LAMB SHIFT; ELECTRON; PRECISE MEASUREMENT; RADIATIVE-CORRECTIONS	41	46	2.4
11	CHAOTIC SYSTEMS; SEMICLASSICAL QUANTIZATION; UNSTABLE PERIODIC-ORBITS; PERIODIC-ORBITS; MAGNETIC-FIELD	41	20	2.4
1288	ENTANGLEMENT; QUANTUM STATES; TELEPORTATION; MIXED-STATE ENTANGLEMENT; QUANTUM CORRELATIONS	40	60	5.0
327	SI%001<; GE; OXIDATION; STRUCTURAL-PROPERTIES; THEORY	40	30	5.0
1464	SUPERCONDUCTORS; HIGH-TEMPERATURE SUPERCONDUCTORS; FLUX CREEP; HIGH-TC SUPERCONDUCTORS; THIN SUPERCONDUCTORS	40	28	5.0
230	QUANTUM-WELL LASERS; QUANTUM-WELLS; CARRIER TRANSPORT; EDGE-EMITTING LASERS; HIGH-SPEED QUANTUM-WELL LASERS	40	40	2.5
167	QCD; DIFFRACTIVE HARD SCATTERING; HARD DIFFRACTIVE ELECTROPRODUCTION; DEEPLY VIRTUAL COMPTON-SCATTERING; DIFFRACTIVE J/PSI ELECTROPRODUCTION	39	62	15.4

Nr.	Forschungsfront	K	I	CH%
855	SILICON; HIGH-PRESSURE; INDENTATION; HIGH-PRESSURE PHASES; GALLIUM NITRIDE	39	49	10.3
94	THERMODYNAMICS; DYNAMICS; DRYING; EXTENDED IRREVERSIBLE THERMODYNAMICS; CASE-II DIFFUSION	39	46	7.7
49	LASER ACTION; SULFUR; RUBY; SUPERCONDUCTIVITY; LOW-TEMPERATURE EXCITON ABSORPTION	39	33	2.6
323	**SR2RUO4; SUPERCONDUCTOR SR2RUO4; UNCONVENTIONAL SUPERCONDUCTIVITY; SUPERCONDUCTIVITY; UPT3 EVIDENCE**	**38**	**66**	**21.1**
549	STRING THEORY; STRINGS; M%ATRIX< THEORY; DUALITY; MATRIX STRING THEORY	38	74	10.5
651	THERMODYNAMIC PROPERTIES; SEMICONDUCTORS; LIQUID LITHIUM; LATTICE-DYNAMICS; EMBEDDED-ATOM METHOD	38	45	5.3
837	BRAGG GRATING SENSORS; DETECTION; FIBER BRAGG GRATING SENSORS USING; IN-FIBER BRAGG GRATING SENSORS; FIBER BRAGG GRATING INTERROGATION SYSTEM USING	38	42	5.3
392	PREWETTING; WETTING; ROTATIONAL SPECTRA; HE-4; STRUCTURE	38	37	5.3
305	COSMIC AXIONS; BIRTH; AXIONS; SUPERNOVA; GLOBAL STRINGS	38	45	2.6
1195	**LOW-TEMPERATURE-GROWN GAAS; GAAS GROWN; GAAS; MOLECULAR-BEAM EPITAXY; SEMICONDUCTOR SATURABLE ABSORBER**	**37**	**51**	**40.5**
1141	FERROELECTRIC THIN-FILMS; SCANNING FORCE MICROSCOPY; FERROELECTRIC DOMAINS; FERROELECTRIC DOMAIN-WALLS; DOMAIN CONFIGURATIONS DUE	37	62	16.2
130	FUSION; PARTICLE-HOLE EXCITATIONS; SYSTEMATICS; INTERACTING BOSON MODEL; HEAVY-ION REACTIONS	37	46	13.5
37	LIQUID-CRYSTAL ALIGNMENT; NEMATIC LIQUID-CRYSTAL; LIQUID-CRYSTALS; LIQUID-CRYSTAL; NEMATIC LIQUID-CRYSTALS	37	27	8.1
1111	QUANTUM DOTS; QUANTUM HALL REGIME; QUANTUM-DOT; COULOMB-BLOCKADE REGIME; QUANTUM WIRES	37	32	2.7
609	SILICON; CRYSTALLINE SILICON; HYDROGEN; HYDROGEN MOLECULES; SI	36	42	5.6
794	INTEGRABLE STRUCTURE; DISCRETE VERSIONS; INTEGRABLE SYSTEMS; HIROTA EQUATION; INTEGRABLE MAPPINGS	36	31	2.8
2156	QUANTUM CASCADE LASERS; QUANTUM CASCADE LASER; DISTRIBUTED-FEEDBACK QUANTUM CASCADE LASERS; QUANTUM CASCADE STRUCTURE; QUANTUM CASCADE LASER TEMPERATURE-DEPENDENCE	35	80	14.3
1302	NONCONTACT ATOMIC-FORCE MICROSCOPY; ATOMIC-RESOLUTION; TAPPING-MODE ATOMIC-FORCE MICROSCOPY; TAPPING MODE ATOMIC-FORCE MICROSCOPY; ATOMIC-FORCE MICROSCOPY	35	77	14.3
602	FIELD-EMISSION; DIAMOND; ELECTRON FIELD-EMISSION; CHEMICAL-VAPOR-DEPOSITED DIAMOND; ELECTRON-EMISSION	35	40	5.7
1719	SYNTHESIS; HGBA2CUO4+DELTA; SUPERCONDUCTIVITY; SUPERCONDUCTING TRANSITION-TEMPERATURE; HGBA2CUO4+DELTA HGBA2CACU2O6+DELTA	35	31	2.9
965	**STUDY; OBSERVATION; SCALAR GLUEBALL; COUPLED-CHANNEL ANALYSIS; EVIDENCE**	**34**	**44**	**23.5**
1687	**EXTRA DIMENSIONS; NEW DIMENSIONS; SOFT TERMS; STRONGLY COUPLED HETEROTIC STRING THEORY; 11 DIMENSIONS**	**34**	**71**	**20.6**
572	PHASE-CONTRAST X-RAY COMPUTED-TOMOGRAPHY; PHASE-CONTRAST; PHASE-CONTRAST IMAGING; IMAGING; PHASE-CONTRAST X-RAY COMPUTED-TOMOGRAPHY USING	34	65	8.8
1790	ULTRAHIGH-ENERGY COSMIC-RAYS; REHEATING AFTER INFLATION; COSMIC-RAYS; COSMIC-RAY; AKENO GIANT AIR SHOWER ARRAY	34	56	2.9
653	D-BRANES; CONFORMAL FIELD-THEORIES; INDEX; SUBFACTORS; STRING THEORIES	34	50	2.9
1839	POROUS SILICON; LUMINESCENCE; ELECTROLUMINESCENCE; POROUS SILICON DEVICE; HIGHLY POROUS SILICON	34	35	2.9
340	TOTAL-REFLECTION X-RAY-FLUORESCENCE ANALYSIS; THIN-FILM ANALYSIS; ANALYSIS; TOTAL-REFLECTION X-RAY-FLUORESCENCE; GAAS	34	26	2.9

Nr.	Forschungsfront	K	I	CH%
260	WORMHOLES; QUANTUM-GRAVITY; QUANTUM COHERENCE; QUANTUM-MECHANICS; SPACETIME	33	36	9.1
1680	ALL-OPTICAL NETWORKS; WAVELENGTH ROUTING; WAVELENGTH ASSIGNMENT; ROUTING; WDM OPTICAL NETWORKS	33	61	6.1
113	LINEAR SCALING COMPUTATION; COMBINED QUANTUM-MECHANICAL; LINEAR SYSTEM-SIZE SCALING; MOLECULAR-DYNAMICS SIMULATIONS; VERY LARGE SYSTEMS	33	42	6.1
272	THERMAL-CONDUCTIVITY; THERMAL-DIFFUSIVITY; DIAMOND; THIN-FILMS; DIAMOND FILMS	33	21	3.0
1275	**PROTON; MEASUREMENT; SPIN STRUCTURE; POLARIZED STRUCTURE FUNCTIONS; PROTON SPIN STRUCTURE-FUNCTION G%1<%P<**	**32**	**69**	**56.3**
674	LINBO3; SRTIO3; GROWTH; LITHIUM-NIOBATE; LINBO3 CRYSTALS	32	22	9.4
1270	BI2SR2CACU2O8+DELTA; INTRINSIC JOSEPHSON-JUNCTIONS; INTRINSIC JOSEPHSON EFFECTS; VORTEX STATE; LAYERED SUPERCONDUCTORS	32	53	3.1
1531	ORGANIC FIELD-EFFECT TRANSISTORS; FIELD-EFFECT MOBILITY; ORGANIC TRANSISTORS; FIELD-EFFECT TRANSISTORS; FIELD-EFFECT TRANSISTORS MADE	31	68	3.2
550	QUANTUM CHAOS; CHAOTIC SCATTERING; CONDUCTANCE FLUCTUATIONS; CHAOS; FRACTAL CONDUCTANCE FLUCTUATIONS	31	26	3.2
293	TOKAMAKS; TOROIDAL ALFVEN EIGENMODES; ALFVEN EIGENMODE EXPERIMENTS; OBSERVATION; DIII-D TOKAMAK	30	40	6.7
448	NUCLEI; MULTIFRAGMENTATION; HEAVY-ION COLLISIONS; LIQUID-GAS PHASE-TRANSITION; NUCLEAR CALORIC CURVE	30	30	3.3
148	HOPF-ALGEBRAS; DIFFERENTIAL-CALCULUS; QUANTUM GROUP GAUGE-THEORY; QUANTUM; CROSSED-PRODUCTS	30	7	3.3
990	LATTICE; CHIRAL FERMIONS; QCD; LATTICE QCD; DOMAIN-WALL QUARKS	29	66	13.8
371	GRAIN-BOUNDARIES; YBA2CU3O7-DELTA THIN-FILMS; YBA2CU3O7-DELTA; YBA2CU3O7-DELTA GRAIN-BOUNDARIES; YBA2CU3O7-DELTA BICRYSTALS	29	38	13.8
1778	MOLECULARLY DOPED POLYMERS; CHARGE TRANSPORT; LIGHT-EMITTING-DIODES BASED; TRANSPORT; DISORDERED MOLECULAR-SOLIDS	29	52	6.9
1423	FERROELECTRIC PROPERTIES; EPITAXIAL SRRUO3 THIN-FILMS; FATIGUE; FERROELECTRIC THIN-FILMS; EPITAXIAL FERROELECTRIC THIN-FILMS	29	24	3.4
2068	AC LOSSES; SELF-FIELD AC LOSSES; TRANSPORT AC LOSSES; AC LOSSES DUE; REDUCING AC LOSSES	28	68	17.9
382	DYNAMICAL SUPERSYMMETRY BREAKING; SUPERSYMMETRIC GAUGE-THEORIES; GAUGE-MEDIATED SUPERSYMMETRY BREAKING; GAUGE-THEORIES; SUPERSYMMETRIC SO%N%C<< GAUGE-THEORIES	28	39	14.3
435	N#2 SUPERSYMMETRIC YANG-MILLS THEORY; N#2 SUPERSYMMETRIC QCD; INTEGRABLE SYSTEMS; N#2 SUPERSYMMETRIC GAUGE-THEORIES; SUPERSYMMETRIC YANG-MILLS THEORY	28	32	10.7
1174	DIAMOND DEPOSITION; MEASUREMENT; STRESS; DIAMOND FILMS; DIAMOND COATINGS	28	36	3.6
415	**STRING COSMOLOGY; STRING THEORY; LOW-ENERGY EFFECTIVE STRING COSMOLOGY; MODULAR COSMOLOGY; HETEROTIC STRING THEORY**	**27**	**33**	**40.7**
667	NEAR-FIELD SCANNING OPTICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPES; SCANNING ELECTROCHEMICAL MICROSCOPY; NEAR-FIELD OPTICAL MICROSCOPY FABRICATED	27	44	3.7
268	COUPLED QUANTUM-WELLS; EVIDENCE; INDIRECT EXCITONS; COUPLED ALAS/GAAS QUANTUM-WELLS; GAAS COUPLED QUANTUM-WELLS	27	37	3.7
176	MAGNETIC SUPERLATTICES; GD%0001<; MAGNETIC SURFACE-STATE; MAGNETIC SURFACE RECONSTRUCTION; GD%0001< SURFACE	26	19	3.8

Nr.	Forschungsfront	K	I	CH%
263	PROXIMITY; SUPERCONDUCTING PROXIMITY EFFECT; MESOSCOPIC PROXIMITY SUPERCONDUCTOR; MESOSCOPIC; ANDREEV INTERFEROMETERS	25	44	16.0
848	SUPERRADIANCE; FREE-ELECTRON LASERS; SELF-AMPLIFIED SPONTANEOUS-EMISSION FREE-ELECTRON LASER; MEASUREMENT; HIGH-GAIN FREE-ELECTRON LASER	25	40	4.0
99	ENTROPY; BLACK-HOLE; BLACK-HOLES; CHARGED BLACK-HOLE; BLACK-HOLE ENTROPY	25	32	4.0
273	TURBULENCE; FULLY-DEVELOPED TURBULENCE; HOMOGENEOUS TURBULENCE; ISOTROPIC TURBULENCE; NUMERICAL TURBULENCE	25	12	4.0
300	ATTRACTIVE HUBBARD-MODEL; HUBBARD-MODEL; MAGNETISM; FERROMAGNETISM; LARGE-U HUBBARD-MODEL	24	42	12.5
479	SCHWINGER MODEL; MASSIVE SCHWINGER MODEL; HAMILTONIANS; LIGHT-CONE; LIGHT-FRONT	24	38	8.3
431	FOCUSED LASER-BEAM; NEAR-FIELD; SCATTERING; EVANESCENT FIELD; GAUSSIAN-BEAM USING	24	58	4.2
1451	NEUTRON-SCATTERING STUDY; YBA2CU3O6.6; INCOMMENSURATE MAGNETIC FLUCTUATIONS; STUDY; MAGNETIC NEUTRON-SCATTERING	24	50	4.2
599	GROWTH; SI%100<; AL; SI%100< SURFACE; SI%100< SURFACE GROWTH	24	38	4.2
1678	C-60; C-60 ADSORBED; C-60 BONDING; C-60 ADSORPTION; C-60 OBSERVED	24	12	4.2
26	**ANOMALOUS U%1<; SUPERSYMMETRIC MODELS; SUPERSYMMETRIC THEORIES; SUPERSYMMETRIC UNIFICATION; ANOMALOUS U%1< MODEL**	**23**	**39**	**26.1**
369	**SEMICONDUCTOR MICROCAVITIES; EXCITONS; SEMICONDUCTOR QUANTUM MICROCAVITY; SEMICONDUCTOR MICROCAVITY; II-VI SEMICONDUCTOR MICROCAVITY**	**23**	**39**	**21.7**
210	TEMPLATE SYNTHESIS; NANOWIRES; GIANT MAGNETORESISTANCE; PERPENDICULAR GIANT MAGNETORESISTANCE; MAGNETORESISTANCE	23	43	17.4
1093	DENSITY-MATRIX RENORMALIZATION-GROUP METHOD; ONE-DIMENSIONAL KONDO-LATTICE MODEL; QUANTUM RENORMALIZATION-GROUPS; PREROUGHENING TRANSITIONS; DENSITY-MATRIX RENORMALIZATION	23	35	13.0
985	METAL HYDRIDE ELECTRODES; INFLUENCE; HYDROGEN STORAGE ALLOYS; RECHARGEABLE HYDRIDE ELECTRODES; HYDRIDE ELECTRODES DEVELOPMENT	23	26	13.0
833	SINGLE-MOLECULE SPECTROSCOPY; SINGLE MOLECULES; SINGLE IMPURITY MOLECULES; SOLIDS; SPECTROSCOPY	23	22	13.0
1386	LA2CUO4; SUPERCONDUCTING; MAGNETIC-PROPERTIES; SUPERCONDUCTING PROPERTIES; NEW SUPERCONDUCTING PHASE	23	13	4.3
1794	F-THEORY; COMPACTIFICATIONS; CALABI-YAU THREEFOLDS; N#2 COMPACTIFICATIONS; N#2 HETEROTIC STRING COMPACTIFICATIONS	22	77	13.6
576	DIELECTRONIC RECOMBINATION; POSITRON-HYDROGEN SCATTERING; POSITRON SCATTERING; ENHANCED DIELECTRONIC RECOMBINATION; DIELECTRONIC RECOMBINATION CROSS-SECTIONS	22	45	4.5
1432	NEGATIVELY CHARGED EXCITONS; GAAS QUANTUM-WELLS; CHARGED; NEGATIVELY; NEGATIVELY CHARGED EXCITON	22	32	4.5
563	TUNNELING; TUNNELING TIMES; TRAVERSAL TIME; PARTICLE TUNNELING; QUANTUM TUNNELING	22	23	4.5
430	**ELECTROWEAK PHASE-TRANSITION; HOT ELECTROWEAK PHASE-TRANSITION; STRING BREAKING; ELECTROWEAK PHASE-TRANSITION ENDS; ELECTROWEAK PHASE-TRANSITION PERTURBATION-THEORY**	**21**	**67**	**38.1**
283	**NONCOMMUTATIVE GEOMETRY; QUANTUM-GRAVITY; NONCOMMUTATIVE DIFFERENTIAL GEOMETRY; SPACETIME; QUANTUM-GRAVITY DETECTORS**	**21**	**29**	**33.3**
76	**ANOMALOUS DIFFUSION; FRACTIONAL DIFFUSION; LEVY FLIGHTS; INTERMITTENT CHAOTIC SYSTEMS; ANOMALOUS DIFFUSION DUE**	**21**	**24**	**23.8**

Nr.	Forschungsfront	K	I	CH%
1373	D-WAVE SUPERCONDUCTORS; VORTEX STRUCTURE; VORTEX LINE; VORTEX; SPECIFIC-HEAT	21	52	14.3
449	OBSERVATION; MACROSCOPIC QUANTUM TUNNELING; JOSEPHSON JUNCTION; JOSEPHSON TUNNELING; DISCRETE ELECTRONIC STATES	21	48	9.5
2007	BLACK-HOLES; STRING THEORY; ABSORPTION; ENTROPY; D-BRANE APPROACH	21	81	4.8
1808	**METAL-INSULATOR-TRANSITION; RBC60; STRUCTURE; SUPERCONDUCTING NA2CSC60 FULLERIDE; RBC60 POLYMER FULLERIDE STUDIED**	**20**	**45**	**40.0**
1447	HOLSTEIN MODEL; SMALL POLARON; HOLSTEIN MOLECULAR-CRYSTAL MODEL; INFLUENCE; POLARON PROBLEM	20	45	15.0
1482	MOLECULAR-BEAM EPITAXY; FABRICATION; QUANTUM WIRES; GAAS QUANTUM WIRES; %775<B-ORIENTED GAAS SUBSTRATES	20	45	15.0
527	CHIRAL PERTURBATION-THEORY; CHIRAL EXPANSION; CHIRAL LOOPS; CHIRAL DYNAMICS; CHIRAL CORRECTIONS	20	30	15.0
1374	D-WAVE SUPERCONDUCTORS; ANISOTROPIC SUPERCONDUCTORS; THEORY; HIGH-T-C SUPERCONDUCTORS; HIGH-TEMPERATURE SUPERCONDUCTORS	20	45	5.0
267	IMAGING; GOLD CLUSTERS; ATOMIC CLUSTERS; AG CLUSTERS	19	58	5.3
953	OPTICAL COHERENCE TOMOGRAPHY; BIOLOGICAL TISSUE; LOW-COHERENCE OPTICAL TOMOGRAPHY; OPTICAL COHERENCE TOMOGRAPHY USING; OPTICAL COHERENCE MICROSCOPE	19	47	5.3
567	QUANTUM HALL-EFFECT; APPLICATIONS; HALL-EFFECT; BULK QUANTUM HALL-EFFECT; CHIRAL SURFACE-STATES	19	37	5.3
1514	MAGNETIZATION REVERSAL; MAGNETIC HYSTERESIS; DYNAMIC PHASE-TRANSITION; DYNAMIC HYSTERESIS; CO/PT MULTILAYERS	19	26	5.3
261	SHAPE COEXISTENCE; EUROGAM ARRAY; COEXISTENCE; EVIDENCE; EUROGAM	19	21	5.3
470	**LATTICE QCD; QCD; O%A< IMPROVED LATTICE QCD; LATTICE; NONPERTURBATIVE RENORMALIZATION**	**18**	**50**	**50.0**
598	**MUON-CATALYZED FUSION; KINETIC-ENERGY DISTRIBUTION; MUON CATALYZED FUSION; MUON TRANSFER; MUON-CATALYZED D-T FUSION**	**18**	**33**	**38.9**
499	%2+1<-DIMENSIONAL QED; QCD; QED; FERMION PROPAGATOR; QUENCHED QED	18	44	5.6
280	QUANTUM OPTICS; QUANTUM-THEORY; QUANTUM JUMP; FEEDBACK; QUANTUM TRAJECTORIES	18	33	5.6
1677	COLUMNAR DEFECTS; PINNING PHENOMENA; PINNING; VORTEX LINE PINNING; VORTEX LOCALIZATION	18	28	5.6
726	QUANTUM-WELLS; GAAS QUANTUM-WELLS; SEMICONDUCTOR QUANTUM-WELLS; EXCITONS; MAGNETIC QUANTUM-WELLS	18	28	5.6
1258	SUPERCONDUCTING GAP; HIGH-T-C SUPERCONDUCTORS; SUPERCONDUCTORS; RAMAN-SCATTERING; PSEUDOGAP	17	71	17.6
1593	END-PUMPED LASERS; SOLID-STATE LASERS; END-PUMPED CW ND-YAG LASERS; CONTINUOUS-WAVE END-PUMPED SOLID-STATE LASERS; ND-YAG UP-CONVERSION	17	35	17.6
109	ALUMINA; EFFECT; CREEP; ABNORMAL GRAIN-GROWTH; ALUMINA DISTRIBUTIONS	17	18	11.8
703	DEGENERATE 4-WAVE-MIXING; DEGENERATE 4-WAVE-MIXING SPECTRA; DEGENERATE 4-WAVE MIXING; 4-WAVE-MIXING; DEGENERATE 4-WAVE-MIXING LINE-INTENSITIES	17	6	11.8
1253	NON-HERMITIAN LOCALIZATION; NON-HERMITIAN RANDOM-MATRIX THEORY METHOD; NON-HERMITIAN QUANTUM-MECHANICS; QUANTUM-FIELD THEORY; SPECTRUM	17	82	5.9
1737	PLANAR MICROCAVITY LIGHT-EMITTING-DIODES; ORGANIC MICROCAVITY LIGHT-EMITTING-DIODES; PLANAR MICROCAVITY LEDS; EMISSION CHARACTERISTICS; PLANAR MICROCAVITY EFFECTS	17	41	5.9
829	CREEP-BEHAVIOR; HIGH-TEMPERATURE CREEP-BEHAVIOR; METAL-MATRIX COMPOSITES; THRESHOLD CREEP-BEHAVIOR; DISLOCATION CLIMB	17	12	5.9

Nr.	Forschungsfront	K	I	CH%
777	**J/PSI; J/PSI SUPPRESSION; CHARMONIUM SUPPRESSION; PB-PB INTERACTIONS; ANOMALOUS J/PSI SUPPRESSION**	**16**	**56**	**62.5**
2305	**ADS/CFT CORRESPONDENCE; CONFORMAL FIELD-THEORY CORRELATORS; CLASSICAL FIELD-THEORY; DUALITY; D#4 CONFORMAL SUPERGRAVITY**	**16**	**100**	**31.3**
1298	FERROELECTRIC THIN-FILMS; PIEZOELECTRIC PROPERTIES; PIEZOELECTRIC THIN-FILMS; PIEZOELECTRIC; MODIFIED PBTIO3 THIN-FILMS	16	44	18.8
257	HOT QCD; HARD THERMAL LOOPS; HOT GAUGE-THEORIES; QCD; THERMAL QCD	16	25	12.5
276	LATTICE QCD; FULL QCD; LATTICE QCD SIMULATION; QUENCHED QCD; LATTICE THEORIES	16	56	6.3
900	DOUBLE-BETA DECAY; SELF-CONSISTENT RPA; 2-NEUTRINO DOUBLE-BETA DECAY; SUPPRESSION; GE-76 NEUTRINOLESS DOUBLE-BETA DECAY	16	44	6.3
754	CLOSURE APPROXIMATIONS; SHEARING FLOWS; DIRECTOR TUMBLING; LIQUID-CRYSTALLINE POLYMERS; LIQUID-CRYSTAL POLYMERS	16	0	6.3
174	**STANDARD MODEL; MINIMAL SUPERSYMMETRIC STANDARD MODEL; MINIMAL SUPERSYMMETRIC MODEL; SUPERSYMMETRIC HIGGS BOSONS; SUPERSYMMETRIC HIGGS BOSON MASSES**	**15**	**20**	**53.3**
526	**MAGNETOOPTICAL KERR SPECTRA; MAGNETOOPTICAL SPECTRA; CALCULATED MAGNETOOPTICAL KERR SPECTRA; MAGNETOOPTICAL KERR-EFFECT; CESB**	**15**	**47**	**26.7**
772	JET; REVERSED MAGNETIC SHEAR; ENHANCED CONFINEMENT; STABILIZATION; TOKAMAKS	15	27	20.0
886	NEW CONSTRAINTS; R-PARITY VIOLATING SUPERSYMMETRY; R-PARITY BREAKING; SUPERSYMMETRY; SUPERSYMMETRY WITHOUT R-PARITY	15	67	13.3
318	ELECTRIC-DIPOLE MOMENT; NEUTRON; SUPERSYMMETRIC THEORIES; NEUTRON ELECTRIC-DIPOLE MOMENT; ELECTRON ELECTRIC-DIPOLE MOMENT	15	60	13.3
678	%2+1<-DIMENSIONAL BLACK-HOLE; BLACK-HOLE; 2+1 BLACK-HOLE; BLACK-HOLE QUANTUM-MECHANICS; 2+1 DIMENSIONAL GRAVITY	15	7	13.3
824	FE3O4; OXYGEN-PLASMA-ASSISTED MOLECULAR-BEAM EPITAXY; CHARACTERIZATION; PREPARATION; FE3O4 FILMS	15	53	6.7
80	CHAOS; STATISTICAL-MECHANICS; HAMILTONIAN CHAOS; HAMILTONIAN-DYNAMICS; CHAOS FRACTALS	15	47	6.7
1068	YBA2CU3O7-DELTA; EVIDENCE; SYMMETRY; ORDER-PARAMETER; SUPERCONDUCTING ORDER-PARAMETER	15	27	6.7
505	**COMPUTER-SIMULATION; GRAIN-GROWTH; SOLIDIFICATION PROCESSES; GRAIN-GROWTH ABNORMAL GRAIN-GROWTH; GRAIN-GROWTH USING**	**14**	**21**	**21.4**
1264	**MAGNETISM; MAGNETIC-PROPERTIES; NICKEL CLUSTERS; CLUSTERS; IRON CLUSTERS**	**14**	**14**	**21.4**
1748	ELECTRON-EMISSION; FERROELECTRIC CATHODES; LEAD-ZIRCONATE-TITANATE CERAMICS; TIME-DEPENDENT ELECTRON-EMISSION; PLASMA-ASSISTED ELECTRON-EMISSION	14	43	14.3
612	GRAPHITE; SCANNING TUNNELING MICROSCOPY; GRAPHITE SURFACE; GRAPHITE SURFACES; SCANNING TUNNELING MICROSCOPY IMAGING	14	14	14.3
1069	TOP-QUARK PRODUCTION; OBSERVATION; %P<OVER-BAR-P COLLISIONS; COLLIDER DETECTOR; TOP-QUARK	14	7	14.3
1234	KELVIN PROBE FORCE MICROSCOPY; FORCE MICROSCOPY; FORCE MICROSCOPE; DYNAMIC FORCE MICROSCOPY; KELVIN PROBE FORCE MICROSCOPE	14	21	7.1
1291	**PRODUCTION; HEAVY-QUARK PRODUCTION; HADRONIC COLLISIONS; CHARMED-MESON PRODUCTION; PRODUCTION PROPERTIES**	**13**	**31**	**46.2**
682	**MEASUREMENT; NEW INTERACTIONS; TOP-QUARK PAIR PRODUCTION; 3 GAUGE BOSON COUPLINGS**	**13**	**23**	**30.8**

Nr.	Forschungsfront	K	I	CH%
227	**CERIUM; ELECTRONIC-STRUCTURE; CE; KONDO MODEL; CE COMPOUNDS**	**13**	**31**	**23.1**
121	FINITE-TEMPERATURE; GAUGE-INVARIANCE FINITE-TEMPERATURE; MAGNETIC-FIELDS; FINITE-TEMPERATURE PERTURBATION-THEORY; FINITE-TEMPERATURE CHERN-SIMONS COEFFICIENT	13	54	15.4
1564	CHIRAL-ODD PARTON DISTRIBUTIONS; TRANSVERSE-MOMENTUM DISTRIBUTIONS; SPIN-DEPENDENT PARTON DISTRIBUTIONS; TRANSVERSITY DISTRIBUTIONS; POLARIZED LAMBDA-S	13	38	15.4
761	PLANE-WAVE BASIS-SET; ULTRASOFT PSEUDOPOTENTIALS; AB-INITIO MOLECULAR-DYNAMICS SIMULATION; ULTRASOFT PSEUDOPOTENTIALS APPLIED; FIRST-PRINCIPLES MOLECULAR-DYNAMICS SIMULATION	13	31	15.4
809	QUANTUM CALOGERO-MOSER SYSTEMS; QUANTUM GROUP SYMMETRIES; QUANTUM GROUPS; HIDDEN QUANTUM SYMMETRIES; ELLIPTIC QUANTUM GROUP E-TAU,ETA%SL%2<<	13	23	15.4
375	PERSISTENT CURRENTS; MESOSCOPIC RINGS; MESOSCOPIC SYSTEMS; MESOSCOPIC COPPER RINGS EVIDENCE; HUBBARD RINGS	13	8	15.4
2280	SWITCHABLE OPTICAL-PROPERTIES; LANTHANUM HYDRIDE FILMS; YTTRIUM; STRUCTURE; HYDROGEN	13	92	7.7
759	APPLICATIONS; LINBO3; INTEGRATED ACOUSTOOPTIC; ER-DOPED INTEGRATED OPTICAL-DEVICES; INTEGRATED ACOUSTOOPTIC CIRCUITS	13	38	7.7
134	HYBRID INFLATION; INFLATION SUPERGRAVITY; FLATTENING; BARYOGENESIS; QUANTUM CORRECTIONS	13	38	7.7
1246	SILICON; N X N OPTICAL MULTIPLEXER USING; INTEGRATED-OPTICS N X N MULTIPLEXER; OPTICAL PHASED-ARRAY; SILICA-BASED OPTICAL INTEGRATED-CIRCUITS	13	38	7.7
1445	A-C-H FILMS DEPOSITED; ELECTRON-CYCLOTRON-RESONANCE PLASMA; DEPOSITION; DIAMOND-LIKE CARBON-FILMS; HARD CARBON-FILMS	13	31	7.7
156	HELIUM; ANTIPROTONS; IONIZATION; DOUBLE IONIZATION; IONIZATION-EXCITATION	13	31	7.7
2008	SPECTRUM; DIRAC OPERATOR; CHIRAL RANDOM-MATRIX THEORY; LATTICE DIRAC OPERATOR; SPECTRUM EDGE	13	31	7.7
457	ELECTRONIC-PROPERTIES; SEMICONDUCTING FESI2; SEMICONDUCTING IRON DISILICIDE THIN-FILMS; SEMICONDUCTING FESI2 FILMS; SEMICONDUCTING SILICIDES	13	23	7.7
693	FALICOV-KIMBALL MODEL; INFINITE DIMENSIONS; LARGE DIMENSIONS; HUBBARD-MODEL; HIGH DIMENSIONS	13	23	7.7
893	**SEARCH; NEUTRINO OSCILLATIONS; NU%MU<-*NU%TAU< OSCILLATION; NU%MU<-*NU%TAU< OSCILLATIONS USING; NOMAD**	**12**	**58**	**66.7**
1832	**ANTIPROTONIC HELIUM-ATOMS; METASTABLE ANTIPROTONIC HELIUM-ATOMS; ANTIPROTONIC; METASTABLE STATES; METASTABLE HADRONIC HELIUM-ATOMS**	**12**	**50**	**50.0**
1610	SCANNING TUNNELING MICROSCOPE; ROTATIONAL MOTION; PT%111<; O-2; SINGLE-MOLECULE	12	83	16.7
1717	MAGNETIC-PROPERTIES; INTERLAYER EXCHANGE COUPLING; NONOSCILLATORY ANTIFERROMAGNETIC COUPLING; ANTIFERROMAGNETIC INTERLAYER COUPLING SPACED; PHOTOINDUCED ANTIFERROMAGNETIC INTERLAYER COUPLING	12	25	16.7
1698	CROSS-PHASE MODULATION; FIBER WDM SYSTEMS; ANALYSIS; CROSS-PHASE MODULATION COMBINED; WDM TRANSMISSION PERFORMANCE	12	67	8.3
2029	FRENKEL-KONTOROVA MODEL; DYNAMICS; FRICTION; HEURISTIC MODEL; STICK-SLIP MOTION	12	67	8.3
1383	OPTICAL NEAR-FIELD MICROSCOPY; NEAR-FIELD MICROSCOPY; SCANNING OPTICAL MICROSCOPY; SCATTERING SCANNING NEAR-FIELD OPTICAL MICROSCOPY; REFLECTION SCANNING NEAR-FIELD OPTICAL MICROSCOPY	12	50	8.3
1063	PREPARATION; ZNO CRYSTALS; BULK ZNO; ZNO PHOSPHORS; WURTZITE SEMICONDUCTORS ZNO	12	50	8.3

Nr.	Forschungsfront	K	I	CH%
683	TEARING MODES; NEOCLASSICAL TEARING MODES; RESISTIVE TEARING MODES; NONLINEAR NEOCLASSICAL PRESSURE-GRADIENT-DRIVEN TEARING MODES; STABILIZATION	12	50	8.3
1769	EFFECTIVE AVERAGE ACTION; AVERAGE ACTION; EXACT RENORMALIZATION-GROUP; 3-DIMENSIONAL ISING-MODEL; HIGH-TEMPERATURE SERIES	12	33	8.3
949	THIN; HIGH-ENERGY BEAM; HIGH-ENERGY; HADRON-INDUCED SPALLATION REACTIONS; DEUTRON-INDUCED SPALLATION REACTIONS	12	33	8.3
1414	NOX; NOX REMOVAL; DISCHARGE PLASMA; REMOVAL; CORONA DISCHARGE PROCESSES	12	17	8.3
1498	ELETTRA; ESCA MICROSCOPY; 30-PERCENT EFFICIENT INGAP/GAAS TANDEM SOLAR-CELLS; SOLAR-CELL EFFICIENCY TABLES %VERSION-12<; 29.5-PERCENT-EFFICIENT GALNP/GAAS TANDEM SOLAR-CELLS	11	36	9.1
1681	SYNTHESIS; HETEROMETALLIC ALKOXIDES; CHEMICAL SYNTHESIS; CHEMICAL ROUTES; SYNTHESIS STRUCTURAL PRINCIPLES	11	36	9.1
928	TURBULENT JETS; BUOYANT JETS; MIXING; TURBULENT BUOYANT JETS; TURBULENT ENTRAINMENT	11	9	9.1
1301	**%P<OVER-BAR-P ANNIHILATION; REST; P-STATE ANNIHILATION; ANTIPROTON-PROTON ANNIHILATION; ANTIPROTON ANNIHILATION**	**10**	**10**	**50.0**
1625	**EXACT MASS GAP; O%3<; O%3< NONLINEAR SIGMA-MODEL; MASS GENERATION; FRUSTRATED QUANTUM HEISENBERG-ANTIFERROMAGNET**	**10**	**30**	**40.0**
1065	**%P<OVER-BAR-P COLLISIONS; LEPTOQUARKS; SEARCH; EP COLLISIONS; LEPTON-QUARK COLLISIONS**	**10**	**60**	**30.0**
784	**NEUTRON; NEUTRON ELECTRIC FORM-FACTOR; MEASUREMENT; ELECTRIC; ELECTRIC FORM-FACTOR**	**10**	**20**	**30.0**
341	**TIAL; FLOW-STRESS ANOMALY; MODELING; DISLOCATION MECHANISMS; TIAL MODELS**	**10**	**20**	**30.0**
2221	OPTIMAL UNIVERSAL QUANTUM CLONING; OPTIMAL CLONING; QUANTUM STATES; OPTIMAL QUANTUM CLONING MACHINES; QUANTUM COPYING	10	90	20.0
842	POLARIZATION DISPERSION; POLARIZATION; SINGLE-MODE FIBERS; POLARIZATION MODE DISPERSION CHARACTERIZATION; POLARIZATION MODE DISPERSION DECORRELATION	10	30	20.0
1696	QCD; INCLUSIVE DECAYS; INCLUSIVE HEAVY FLAVOR DECAYS; HEAVY MESON DECAYS; SEMILEPTONIC DECAYS	10	30	20.0
1569	OPTICAL FIBERS; OPTICAL FIBERS EXPOSED; GERMANOSILICATE FIBERS; GERMANIA-DOPED SILICA OPTICAL FIBERS; GEO2 DOPED OPTICAL FIBERS	10	20	20.0
1520	LOCALIZED ADSORPTION; PARTICLES; ADSORPTION PROCESSES; RANDOM SEQUENTIAL ADSORPTION; COOPERATIVE SEQUENTIAL ADSORPTION	10	0	20.0
2273	DIAMOND; BORON-NITRIDE; ELECTRON-AFFINITY; NEGATIVE ELECTRON-AFFINITY; DIAMOND CATHODES	10	70	10.0
2080	STRING EXPANSION; CONFORMAL FIELD-THEORIES; 2 DIMENSIONS; STRING THEORY; LARGE N EXPANSION	10	70	10.0
1953	ND-YAG ROD LASER; DIODE-PUMPED ND-YAG ROD LASER; EFFICIENT ND-YAG LASER END-PUMPED; LASER-DIODE END-PUMPED ND-YAG LASER; 300-W CW DIODE-LASER SIDE-PUMPED ND-YAG ROD LASER	10	50	10.0
12	MULTIFRACTAL ANALYSIS; MULTIFRACTAL FORMALISM; MULTIFRACTAL DECOMPOSITIONS; MULTIFRACTAL NATURE; IMPROVED MULTIFRACTAL FORMALISM	10	30	10.0
1606	STRESS; X-RAY MICRODIFFRACTION; ALUMINUM LINES BONDED; ALUMINUM INTERCONNECT; PATTERNED LINES	10	30	10.0
1603	SYNTHETIC DIAMOND; SYNTHETIC DIAMOND CRYSTALS; HIGH-PRESSURE SYNTHETIC DIAMOND; SYNTHETIC DIAMOND SITE; SYNTHETIC DIAMONDS	10	20	10.0
595	COLOR CONSTANCY; COLOR INDEXING; COLOR CONSTANT COLOR INDEXING; COLOR IMAGES; IMPROVED COLOR CONSTANCY	10	10	10.0

Nr.	Forschungsfront	K	I	CH%
823	**HADRONIC CONTRIBUTION; IMPROVED DETERMINATION; HADRONIC CONTRIBUTIONS; HADRONIC TAU-DECAYS; MUON**	**9**	**67**	**55.6**
1862	**OBSERVATION; BECHGAARD SALTS; POSSIBLE OBSERVATION; QUASI-ONE-DIMENSIONAL BECHGAARD SALTS; PHOTOEMISSION SPECTRA**	**9**	**67**	**55.6**
334	**GROWTH; INFRARED DETECTORS ARRAYS; SI%111<; SEMICONDUCTOR INFRARED DETECTORS; MATERIAL CHARACTERIZATION**	**9**	**11**	**44.4**
1511	**RUTHERFORD CABLES; CABLES; MINIMUM QUENCH ENERGIES; RUTHERFORD TYPE; CABLES WOUND**	**9**	**56**	**33.3**
1775	**NEUTRON-DIFFRACTION STUDY; METAL-INSULATOR-TRANSITION; RNIO3 PEROVSKITES %R EQUALS RARE-EARTH<; PEROVSKITES RNIO3 %R#PR; CHARGE-TRANSFER OXIDES RNIO3 %R # PR,ND,ND0.7LA0.3<**	**9**	**33**	**33.3**
1170	**DOMAIN-WALLS; SUPERSYMMETRIC THEORIES; SUPERSYMMETRIC DOMAIN-WALLS N-COUNTING; SUPERSYMMETRIC YANG-MILLS THEORIES; SUPERSYMMETRIC GAUGE-THEORIES**	**9**	**89**	**22.2**
1392	**QCD SUM-RULES; QCD; PION WAVE-FUNCTION; QCD CALCULATION; QCD 094016**	**9**	**44**	**22.2**
808	**INTERMITTENCY; INTERMITTENCY PARAMETERS; STUDY INTERMITTENCY; MULTIDIMENSIONAL INTERMITTENCY ANALYSIS; HIGH-ENERGY**	**9**	**22**	**22.2**
1734	**FERROELECTRIC PHASE-TRANSITION; OFF-CENTER IONS; FERROELECTRIC PHASE-TRANSITIONS; OFF-CENTER DISPLACEMENT; NB IONS**	**9**	**11**	**22.2**
1115	**MICROWAVE DIELECTRIC-PROPERTIES; DIELECTRIC; MICROWAVE DIELECTRIC CHARACTERISTICS; DIELECTRIC-PROPERTIES; SM< MICROWAVE DIELECTRIC COMPOUNDS**	**9**	**0**	**22.2**
154	**MOTION; GRANULAR-MATERIALS; FLOWS; AVALANCHES; RUNOUT ANALYSIS**	**9**	**0**	**22.2**
2222	LANDAU-POMERANCHUK-MIGDAL EFFECT; LANDAU-POMERANCHUK-MIGDAL; RADIATIVE ENERGY-LOSS; HIGH-ENERGY PARTONS; HIGH-ENERGY QUARKS	9	78	11.1
917	STRANGE QUARK MATTER; SEARCH; STRANGE MATTER; QUARK; EXOTIC STRANGE QUARK MATTER	9	67	11.1
277	FLUX-TUBE BREAKING; EVIDENCE; STUDY; EXOTIC MESON PRODUCTION; 1-+ EXOTIC MESON	9	33	11.1
1100	GAAS; TUNNELING SPECTROSCOPY; SCANNING-TUNNELING-MICROSCOPY; SI-DOPED GAAS; LOW-TEMPERATURE SCANNING-TUNNELING-MICROSCOPY	9	33	11.1
943	QUANTUM-WIRE STRUCTURES; QUANTUM DOTS; X-RAY-DIFFRACTION RECIPROCAL SPACE MAPPING; QUANTUM-WIRE HETEROSTRUCTURES; HIGH-RESOLUTION X-RAY-DIFFRACTION	9	33	11.1
179	AL-CU-MG-AG ALLOYS; AL-CU ALLOYS; AL-CU-MG-AG ALLOYS AGED; AGED AL-CU-MG-%AG< ALLOYS; ALUMINUM LITHIUM ALLOYS	9	22	11.1
310	DEFECT CHEMISTRY; SOLID MATERIALS; HETEROGENEOUS SOLID ELECTROLYTES; LI2SO4-AG2SO4 SOLID ELECTROLYTES; IMPEDANCE	9	22	11.1
1450	SR2CUO2CL2; PHOTOEMISSION SPECTRA; MODEL INSULATING COPPER-OXIDE SR2CUO2CL2; PHOTOEMISSION SPECTRAL-FUNCTION; 2D T-J MODEL	9	22	11.1
465	ALUMINUM NITRIDE; THERMAL-CONDUCTIVITY; ALUMINUM NITRIDE POWDER; ALUMINUM NITRIDE REVIEW; ALUMINUM NITRIDE WHISKERS	9	0	11.1
1292	EINSTEIN-YANG-MILLS EQUATIONS; GRAVITATING MONOPOLE SOLUTIONS; MONOPOLES; BLACK-HOLES; PARTICLE-LIKE SOLUTIONS	9	0	11.1
2083	**PBWO4 SINGLE-CRYSTALS; SCINTILLATION; PBWO4 CRYSTALS; SCINTILLATION CHARACTERISTICS; SCINTILLATION DECAYS**	**8**	**75**	**37.5**
1733	**LIGHT-QUARK SEA; FLAVOR ASYMMETRY; NUCLEON; NUCLEON SEA; GOTTFRIED SUM**	**8**	**38**	**37.5**

Nr.	Forschungsfront	K	I	CH%
1934	**QUANTUM CRYPTOGRAPHY; QUANTUM CRYPTOGRAPHY INFORMATION BOUND; EAVESDROPPING; QUANTUM KEY DISTRIBUTION; QUANTUM CRYPTOGRAPHY USING ANY 2 NONORTHOGONAL STATES**	**8**	**38**	**37.5**
314	**CENISN; KONDO INSULATOR CENISN; KONDO INSULATOR YBB12; YB-BASED KONDO SEMICONDUCTORS; VALENCE-FLUCTUATING SYSTEM CENISN**	**8**	**50**	**25.0**
1824	**COBALT FILMS; MAGNETIC-ANISOTROPY; FE FILMS GROWN; SYMMETRY-INDUCED MAGNETIC-ANISOTROPY; ULTRATHIN CO FILMS**	**8**	**25**	**25.0**
812	**INITIAL STATE RADIATION; QCD CASCADES; QCD COHERENCE; PERTURBATIVE QCD; QCD CASCADES IMPLEMENTING**	**8**	**25**	**25.0**
691	**MAGNETIC RECORDING; PARTIAL-RESPONSE CHANNELS; HIGH-DENSITY MAGNETIC RECORDING; DIGITAL MAGNETIC RECORDING; MAGNETIC RECORDING CHANNEL**	**8**	**25**	**25.0**
907	**CONSISTENCY CONDITIONS; GENERALIZED STUCKELBERG FORMALISM; GENERALIZED CANONICAL FORMALISM; WESS-ZUMINO CONSISTENCY CONDITIONS; 2ND-CLASS CONSTRAINTS**	**8**	**12**	**25.0**
1807	**LEAD-BASED THIN-FILMS; PZT THIN-FILMS; SOL-GEL DERIVED LEAD ZIRCONATE TITANATE THIN-FILMS; RAPID THERMALLY ANNEALED LEAD-ZIRCONATE-TITANATE THIN-FILMS; SOLUTION-PROCESSED LEAD ZIRCONATE TITANATE %PZT< THIN-FILMS**	**8**	**0**	**25.0**
1716	RELAXOR-BASED PIEZOELECTRIC SINGLE-CRYSTALS; SINGLE-CRYSTALS NEAR; RELAXOR BASED SINGLE-CRYSTALS; PIEZOELECTRIC BEHAVIOR; RELAXOR BASED FERROELECTRIC SINGLE-CRYSTALS	8	75	12.5
1639	SPIN-GLASS BEHAVIOR; SPIN-GLASS STATE; NEW ALLOY EU2PDSI3; LU2COGA3 TYPE-STRUCTURE NEW MEMBERS; T#%CR MN FE CO OR NI<%X<%PD OR AU<%1-X<	8	75	12.5
2161	TRANSPORT-PROPERTIES; HOPPING; POLYANILINE PROTONATED; FULLY PROTONATED POLYANILINE HOPPING TRANSPORT; CONDUCTING POLYMER POLYPYRROLE	8	62	12.5
2119	DILATONIC P-BRANE SOLITONS; STAINLESS SUPER P-BRANES; INTERPOLATING SOLITONS; SUPERGRAVITY VIA SUPER P-BRANES; DILATONIC BLACK-HOLE SINGULARITIES	8	50	12.5
1571	RESISTIVE UPPER CRITICAL-FIELD; CRITICAL-FIELD; UPPER CRITICAL-FIELD; UPPER CRITICAL MAGNETIC-FIELD; RESISTIVE TRANSITIONS	8	50	12.5
1382	CUPRATE SUPERCONDUCTORS; YBA2CU3O7; HIGH-TEMPERATURE SUPERCONDUCTORS; NMR; NORMAL STATE	8	25	12.5
1403	6061-AL/SIC COMPOSITES REINFORCED; PARTICULATE REINFORCED ALUMINIUM-SIC COMPOSITES; ALUMINUM SILICON-CARBIDE PARTICULATE COMPOSITES PRODUCED; METAL MATRIX COMPOSITES; SICP 2024-AL COMPOSITES	8	12	12.5
564	BOSON STARS; SOLITON STARS; BOSE STARS; OSCILLATING SOLITON STARS; BOSON STARS GRAVITATIONAL EQUILIBRIA	8	12	12.5
1313	DIFFRACTIVE LENSES; HARMONIC DIFFRACTIVE LENSES; DIFFRACTIVE PROPERTIES; MULTIORDER DIFFRACTIVE LENSES; INFRARED HYBRID REFRACTIVE DIFFRACTIVE LENSES	8	12	12.5
657	PARTICULATES; RF DISCHARGE; SILANE; PARTICLE DISTRIBUTIONS; PARTICLE THERMOPHORESIS	8	12	12.5
286	ZINC-OXIDE VARISTORS; ZNO VARISTORS; ZNO VARISTORS EVIDENCE; METAL-OXIDE VARISTORS; ZNO VARISTOR	8	0	12.5
2138	MICROMECHANICAL CALORIMETER; CHEMICAL-REACTION USING; THERMAL-ANALYSIS USING; FEMTOJOULE CALORIMETER USING MICROMECHANICAL SENSORS; FEMTOJOULE SENSITIVITY USING	7	29	57.1
390	QCD; QCD ANALYSIS; PERTURBATIVE QCD; TESTING QCD; HIGHER-ORDER QCD CORRECTIONS	7	14	57.1
1829	STUDY; CENTRAL PRODUCTION; CENTRAL PSEUDOSCALAR PRODUCTION; CENTRAL HADRON-PRODUCTION; Q%Q<OVER-BAR PRODUCTION	7	86	42.9

Nr.	Forschungsfront	K	I	CH%
75	CARBAZOLE; ELECTROLUMINESCENCE; CARBAZOLE DIMERS; ENHANCED ELECTROLUMINESCENCE; CONJUGATED POLYMER LIGHT-EMITTING DIODE IMPLICATIONS	7	57	28.6
2234	EXCITONS; RESONANT RAYLEIGH-SCATTERING; QUANTUM-WELLS; RAYLEIGH-SCATTERING; ROLE	7	71	14.3
1265	S-WAVE ISOSCALAR; GAMMA-GAMMA-*MESON-MESON REACTION; CHIRAL PERTURBATION-THEORY; S-WAVE PI-PI-CORRELATIONS; %PI%+<,PI%+<PI%+/-<< REACTION NEAR	7	57	14.3
1777	ELECTRICAL-PROPERTIES; HTS FILMS; YBCO FILMS; MICROSTRUCTURE; THIN SUPERCONDUCTING YBA2CU3O7-X FILMS	7	43	14.3
2092	ELECTRONIC-STRUCTURE CALCULATIONS; LARGE-SCALE ELECTRONIC-STRUCTURE CALCULATIONS; SELF-CONSISTENT ELECTRONIC-STRUCTURE CALCULATIONS; WAVELETS; FINITE-DIFFERENCE-PSEUDOPOTENTIAL METHOD ELECTRONIC-STRUCTURE CALCULATIONS WITHOUT	7	43	14.3
2181	FIBER BRAGG GRATINGS; CHIRPED FIBER GRATINGS; FIBER BRAGG GRATINGS TUNED; FIBER BRAGG GRATINGS LINEARLY CHIRPED; MAGNETICALLY PROGRAMMABLE FIBER BRAGG GRATINGS	7	43	14.3
2011	HERA; LEPTOPRODUCTION; NEUTRAL-CURRENT PRODUCTION PROCESSES; D-ASTERISK%+/-< PRODUCTION; D-ASTERISK PRODUCTION	7	43	14.3
790	LOW-ASPECT-RATIO TOKAMAK PLASMAS; STABILITY; TOKAMAKS; HIGH BETA-TOKAMAK PLASMAS; BOOTSTRAP-CURRENT-DRIVEN LOW-ASPECT-RATIO TOKAMAKS	7	43	14.3
398	QUARK MASS MATRICES; QUARK MIXING; FRITZSCH MASS MATRICES; CONNECTION BETWEEN QUARK MASS MATRICES CP VIOLATION; FLAVOR MIXING	7	29	14.3
1353	FESI; OPTICAL-PROPERTIES; TEMPERATURE-INDUCED PARAMAGNET FESI; GAP EDGE; UNCONVENTIONAL CHARGE GAP FORMATION	7	14	14.3
1657	FLUX PINNING; OXYGEN-DEFECT FLUX PINNING ANOMALOUS MAGNETIZATION; YBA2CU3O7-DELTA; IRREVERSIBLE MAGNETIZATION; NEARLY STOICHIOMETRIC YBA2CU3O7-DELTA SINGLE-CRYSTALS	7	14	14.3
1641	HALO FORMATION; SPACE-CHARGE DOMINATED BEAMS; 2D SPACE-CHARGE DOMINATED BEAMS; PERIODIC FOCUSING FIELD-BASED; HIGHER-ORDER SYMPLECTIC INTEGRATORS	7	14	14.3
887	MULTIPLE-SCATTERING; MULTIPLE LIGHT-SCATTERING; FIBEROPTIC QUASI-ELASTIC LIGHT-SCATTERING; CROSS-CORRELATION METHODS; 2-COLOR DYNAMIC LIGHT-SCATTERING	7	14	14.3
90	POLYMERS; DIRECTED POLYMERS; SCALING; KINETIC ROUGHENING PHENOMENA STOCHASTIC GROWTH DIRECTED POLYMERS; DYNAMIC SCALING	7	14	14.3
34	LA2-XBAXCUO4; SUPERCONDUCTIVITY; LA2-XSRXCUO4; MUON SPIN DEPOLARIZATION; MUON SPIN RELAXATION	7	0	14.3
1805	MEASUREMENT; 1800 GEV; ROOT-S#546; ELASTIC-SCATTERING AMPLITUDE; PRECISE MEASUREMENT	7	0	14.3
326	PERSISTENT; ROOM-TEMPERATURE PERSISTENT HOLE-BURNING; ROOM-TEMPERATURE PERSISTENT SPECTRAL HOLE-BURNING; ROOM-TEMPERATURE PERSISTENT SPECTRA HOLE-BURNING; ROOM-TEMPERATURE PERSISTENT SPECTRAL HOLE BURNING	7	0	14.3
2030	EPSILON$/EPSILON; MEASUREMENT; NEW MEASUREMENT; 1996 ANALYSIS; UPGRADED ANALYSIS	6	50	33.3
1090	MUONS; GENERATION; POLARIZED POSITIVE MUONS PROBING FREE-RADICALS; VERY SLOW POLARIZED POSITIVE MUONS; MUONIUM ATOMS	6	33	33.3
752	PHASE; BERRYS PHASE; TOPOLOGICAL PHASE; BERRY GEOMETRICAL PHASE; SODIUM TRIMER	6	17	33.3
1798	GRAND UNIFICATION; COUPLING-CONSTANT UNIFICATION; MINIMAL SUPERSYMMETRIC SU%5< GRAND UNIFICATION; ELECTROWEAK; GRAND UNIFIED THEORIES	6	0	33.3

Nr.	Forschungsfront	K	I	CH%
579	BETA-SIC%100< SURFACE; BETA-SIC%100< SURFACE STUDIED; BETA-SIC%100<-%3X2< SURFACE; BETA-SIC%100<-C%4X2< SURFACE RE-CONSTRUCTION; STRESS	6	83	16.7
2202	LOW-DIELECTRIC-CONSTANT MATERIALS; LOW-DIELECTRIC-CONSTANT APPLICATIONS; MATERIALS ISSUES; LOW-K DIELECTRIC MATERIALS; LOW-DIELECTRIC-CONSTANT POLYMERIC THIN-FILMS	6	83	16.7
2077	ATOMIC-FORCE MICROSCOPY; ATOMIC-FORCE MICROSCOPE; ULTRA-SONIC FORCE MICROSCOPY; ULTRASONIC FORCE MICROSCOPE; A-COUSTIC MICROSCOPY	6	50	16.7
721	ELLIPTIC FLOW; SIGNATURE; HIGH-ENERGY HEAVY-ION COLLISIONS PROBING; TRANSVERSE COLLECTIVE FLOW; 158GEV/NUCLEON PB+PB COLLISIONS	6	33	16.7
1590	SOLIDIFICATION; SOLIDIFICATION BEHAVIOR; NONEQUILIBRIUM SO-LIDIFICATION; THEIR SOLIDIFICATION; UNDERCOOLED METALLIC MELTS	6	33	16.7
69	COMPOSITES; THERMAL-EXPANSION; METAL MATRIX COMPOSITES; METAL-MATRIX COMPOSITES; MATRIX PROPERTIES	6	17	16.7
1333	EXTENDED JONES MATRIX-METHOD; REFLECTION; FASTER 4 X 4 MATRIX-METHOD; UNIAXIAL CRYSTALS; REFLECTION CHARACTE-RISTICS	6	17	16.7
925	SONOCHEMISTRY; MODELING; HETEROGENEOUS SONOCHEMISTRY; ULTRASOUND; BATCH SONOCHEMICAL REACTOR	6	17	16.7
979	UNDERCOOLED MELTS; EVIDENCE; SOLIDIFICATION; UNDERCOOLED ALLOYS; RAPID SOLIDIFICATION	6	17	16.7
546	DIRECT DETERMINATION; F%ALPHA< SINGULARITY SPECTRUM; FRACTAL MEASURES; F %ALPHA< SINGULARITY SPECTRUM; FRACTAL MODEL	6	0	16.7
935	ELECTROWEAK STANDARD MODEL; ONE-LOOP INTEGRALS; E-LECTROWEAK RADIATIVE-CORRECTIONS; CALCULATION; APPLICATI-ON	6	0	16.7
349	HETERODYNE INTERFEROMETERS; NONLINEARITY; L-ARGININE PHOSPHATE; 2-WAVELENGTH HETERODYNE SPECKLE INTERFEROME-TER; DEUTERATED L-ARGININE PHOSPHATE	6	0	16.7
1442	HIGH-TC SUPERCONDUCTORS; ANISOTROPIC SUPERCONDUCTORS; LAYERED SUPERCONDUCTORS; HIGHLY ANISOTROPIC SUPERCON-DUCTORS; HIGH-TC OXIDE SUPERCONDUCTORS	6	0	16.7
114	METAL-CLUSTERS; PHYSICS; FREE-ELECTRON METAL-CLUSTERS; E-LECTRONIC SHELL STRUCTURE; ELECTRONIC	6	0	16.7
1633	STRING THEORY; 2-DIMENSIONAL QCD; 2-DIMENSIONAL QCD IS; 2-DIMENSIONAL MANIFOLDS; U%N< GAUGE-THEORY	6	0	16.7
588	ANNIHILATION; BOSE-EINSTEIN CORRELATIONS; EVENTS; BOSE-EINSTEIN EFFECTS; HADRONIC EVENTS	5	20	80.0
912	PBTIO3; PYROELECTRIC INFRARED-SENSORS MADE; C-AXIS-ORIENTED LA-MODIFIED PBTIO3 THIN-FILMS; PB%ZR,TI<O-3 THIN-FILMS; C-AXIS ORIENTED LA-MODIFIED PBTIO3 THIN-FILMS	5	40	60.0
1581	INSULATING LAYERS; YBA2CU3O7-X/PRBA2CU3O7-X SUPERLATTICES; YBA2CU3O7/PRBA2CU3O7 SUPERLATTICES PROPERTIES; ULTRATHIN SUPERCONDUCTING LAYERS SEPARATED; UNIAXIAL PRESSURE-DEPENDENCE	5	20	60.0
1844	YBA2CU3O7-DELTA FILMS; EFFECTS; YBA2CU3O7-X; HIGH-TC SUPER-CONDUCTING ULTRATHIN YBA2CU3O7-X FILMS; LARGE ELECTRIC-FIELD EFFECTS	5	20	60.0
2122	DOPED T-J LADDERS; LIGHTLY DOPED T-J 2-LEG LADDERS; TRANS-VERSE HOPPING; ROLE; PROPERTIES	5	60	40.0
2226	SCANNING-TUNNELING-MICROSCOPY VIA IMAGE STATES; REGULAR STEP ARRAYS; ONE-DIMENSIONAL METAL STRUCTURES; ONE-DIMENSION FE; METALS	5	60	40.0
1833	OBSERVATION; P%P<OVER-BAR COLLISIONS; B-C MESONS; B-C SPECTROSCOPY; MESONS	5	40	40.0

Nr.	Forschungsfront	K	I	CH%
1666	WEAK RADIATIVE BBAR-MESON DECAY; INCLUSIVE RADIATIVE PENGUIN DECAY B-*S-GAMMA; MEASUREMENT; WEAK RADIATIVE B-MESON DECAY BEYOND LEADING LOGARITHMS; FIRST MEASUREMENT	5	40	40.0
236	FERMI-SURFACE; PERTURBATION-THEORY; RENORMALIZATION-GROUP TRANSFORMATION; FERMI-SURFACE FIXED; SCALAR HIERARCHICAL-MODELS	5	20	40.0
1864	FRACTAL GROWTH; DENDRITIC GROWTH; GROWTH SPEED ANISOTROPY; FRACTAL; LOW-TEMPERATURE PT-DENDRITE GROWTH	5	20	40.0
1906	PARAMAGNETIC MEISSNER EFFECT; HIGH-TEMPERATURE SUPERCONDUCTORS; PARAMAGNETIC EFFECT; GRANULAR HIGH-TEMPERATURE SUPERCONDUCTORS; BI HIGH-TEMPERATURE SUPERCONDUCTORS	5	20	40.0
1770	GROWTH; SPUTTERED FILMS; HIGH-TC FILMS; YBA2CU3O7-X FILMS; LASER-ABLATED YBA2CU3O7-DELTA FILMS	5	0	40.0
539	ADS%5< X S-5 BACKGROUND; ADS%5< X S-5; GS STRING ACTION; STRING THEORY 125003; SUPERSYMMETRIC D3 BRANE ACTION	5	80	20.0
2115	JET PLASMAS; JET TOKAMAK; ION-CYCLOTRON HEATED PLASMAS; ION-CYCLOTRON RESONANCE HEATING; ICRF HEATING	5	80	20.0
1920	2-DIMENSIONAL ELECTRON-GAS; INAS QUANTUM DOTS; INAS SELF-ASSEMBLED QUANTUM DOTS; EMBEDDED INAS QUANTUM TRAPS; EMBEDDED INAS DOTS	5	60	20.0
2203	MAGNETIC FORCE MICROSCOPY; QUANTITATIVE MAGNETIC FORCE MICROSCOPY; MAGNETIC FORCE MICROSCOPY RECENT ADVANCES; PERPENDICULARLY MAGNETIZED SAMPLES; OPTIMIZATION	5	60	20.0
2250	QUANTUM-DOT; AHARONOV-BOHM OSCILLATIONS; AHARONOV-BOHM RING; QUANTUM-DOT VIA; MESOSCOPIC RING	5	60	20.0
1143	TAU-DECAYS INTO KAONS; TAU-DECAYS INTO 3 PSEUDOSCALAR MESONS; TAU-MESON DECAYS; TAU-HADRONIC DECAY MODES; TAU-DECAY	5	60	20.0
1892	TRACE GAS-DETECTION; MULTICOMPONENT TRACE GAS-DETECTION; COMPACT LASER DIFFERENCE-FREQUENCY SPECTROMETER; DIFFERENCE-FREQUENCY-GENERATION; BROADLY TUNABLE DIFFERENCE-FREQUENCY SPECTROMETER	5	60	20.0
1793	PHOTOINDUCED BRAGG GRATINGS FABRICATED; ALL-FIBER DENSE-WAVELENGTH-DIVISION MULTIPLEXER DEMULTIPLEXER USING PHOTOIMPRINTED BRAGG GRATINGS; COMPACT ALL-FIBER ADD-DROP-MULTIPLEXER USING FIBER BRAGG GRATINGS; WAVELENGTH-DIVISION MULTI	5	40	20.0
975	TRIODE-SPUTTERED MOS2 COATINGS; TRIBOLOGICAL PROPERTIES; TRIBOLOGICAL STUDIES; MOS2 SOLID LUBRICANT FILMS HAVING TAILORED METAL-MULTILAYER NANOSTRUCTURES; MOSX SPUTTERED FILMS	5	40	20.0
1976	FREE CLUSTERS; ENERGETIC CLUSTER IMPACT; NANOSCALE SILICON CLUSTERS; MONODISPERSED CR CLUSTER FORMATION; STRUCTURE	5	20	20.0
565	H-*B%B<OVER-BAR; HIGGS; HIGGS BOSONS; DOUBLY CHARGED HIGGS BOSONS; WEAK BOSONS	5	20	20.0
1271	MODEL; AG/BI2223 TAPES; %BI,PB<2SR2CA2CU3OX SILVER-SHEATHED TAPES; FACTORS SUPPRESSING TRANSPORT CRITICAL-CURRENT; CRITICAL-CURRENT DENSITY	5	20	20.0
1725	AU%111<; MAGNETIC DOMAINS; SCANNING TUNNELING MICROSCOPY; MAGNETIC DOMAIN-STRUCTURES; AU%111< STUDIED	5	0	20.0
480	CHERN-SIMONS THEORY; CHERN-SIMONS FIELD-THEORY; CHERN-SIMONS MODEL; TOPOLOGICALLY MASSIVE YANG-MILLS THEORY; TOPOLOGICALLY MASSIVE CHROMODYNAMICS	5	0	20.0
902	GAAS/ALAS; EFFECTS; AIAS/GAAS SUPERLATTICES; SHORT-PERIOD SUPERLATTICES; GAAS-ALAS SUPERLATTICES INDUCED	5	0	20.0
1998	INPLANE RESISTIVITY; TEMPERATURE-DEPENDENT RESISTIVITY; OUT-OF-PLANE RESISTIVITY; LA2-XSRXCUO4; INPLANE	5	0	20.0
151	KINETICS; STRUCTURE; HEMATITE AGGREGATION; HEMATITE AGGREGATES; FRACTAL STRUCTURE	5	0	20.0

Nr.	Forschungsfront	K	I	CH%
1247	SEMICONDUCTOR QUANTUM-WELLS; GAAS/ALXGA1-XAS QUANTUM-WELLS; SEMICONDUCTOR QUANTUM-WELLS SUPERLATTICES; THEORETICAL-STUDY; SIMPLE ANALYTICAL METHOD	5	0	20.0
797	SILICON THIN-FILMS; NANOMETER-SIZED CRYSTALLINE SILICON; AMORPHOUS-SILICON; ULTRATHIN MICROCRYSTALLINE SILICON LAYERS; HYDROGENATED MICROCRYSTALLINE SILICON IN-SITU UV-VISIBLE	5	0	20.0
2351	EUB6; FERROMAGNETISM; HIGH-TEMPERATURE WEAK FERROMAGNETISM; MAGNETIC ORDER; LOW-TEMPERATURE ANOMALIES	4	100	75.0
1837	ISOLTRAP; PENNING TRAP; SHORT-LIVED ISOTOPES; ISOLTRAP MASS-SPECTROMETER; TANDEM PENNING TRAP SYSTEM	4	50	75.0
1938	MEASUREMENT; NEUTRAL KAON SYSTEM; NEUTRAL KAON REGENERATION AMPLITUDE; TAGGED NEUTRAL KAONS; PHI-FACTORY	4	50	75.0
944	PLASMA EXCITATION-FREQUENCY; RF PLASMA DEPOSITION; PLASMA ENHANCED CHEMICAL VAPOR-DEPOSITION; ALPHA-SI-H THIN-FILM DEPOSITION; TOTAL	4	25	75.0
1263	PROTON-PROTON INTERACTIONS; PRODUCTION; PARTON K%T< EFFECTS; NEUTRAL PIONS; MEASUREMENT	4	75	50.0
1816	HIGGS-BOSON PRODUCTION; HIGGS BOSON PRODUCTION; QCD CORRECTIONS; HIGGS PHYSICS; QCD EFFECTS	4	25	50.0
1665	MAGNETIC FORCE MICROSCOPY; MAGNETIC FORCE MICROSCOPY GENERAL-PRINCIPLES; UNDERSTANDING MAGNETIC FORCE MICROSCOPY; SINGLE VORTICES CONDENSED INTO; PROBE CALIBRATION	4	0	50.0
1199	MUON SPIN ROTATION; MUON SPIN ROTATION STUDIES; MAGNETIC PENETRATION DEPTH; PENETRATION DEPTH MEASURED; FLUX-LATTICE MELTING	4	0	50.0
1745	TRANSMISSION; SPIN-DEPENDENT ELECTRONIC-STRUCTURE; TRANSMISSION THROUGH THIN FERROMAGNETIC-FILMS; SPIN-DEPENDENT ELECTRON ATTENUATION; ELECTRONS THROUGH FERROMAGNETIC MATERIAL	4	0	50.0
2348	ORGANIC LIGHT-EMITTING DEVICES; ORGANIC ELECTROLUMINESCENCE DEVICES USING; BRIGHT ORGANIC ELECTROLUMINESCENT DEVICES; DOUBLE-LAYERED ORGANIC LIGHT-EMITTING-DIODES; ELECTROLUMINESCENCE	4	100	25.0
322	HOLONOMY G-%2<; COMPACT 8-MANIFOLDS; HOLONOMY SPIN%7<; COMPACT RIEMANNIAN 7-MANIFOLDS; OTHER DIMENSIONS	4	75	25.0
1653	SPIN-POLARIZED TUNNELING; VACUUM TUNNELING; SCANNING TUNNELING MICROSCOPE; SPIN-POLARIZED VACUUM TUNNELING INTO; SCANNING TUNNELING MICROSCOPE USING OPTICALLY PUMPED GAAS TIPS	4	75	25.0
1900	CRYSTAL-STRUCTURE; RENIAL INTERMETALLIC COMPOUNDS; TBCU-AL INTERMETALLIC COMPOUNDS; HYDROGEN ABSORPTION-DESORPTION CRYSTAL-STRUCTURE; ZR6FEAL2	4	50	25.0
1662	DOUBLE-LAMBDA SCHEME; NA-2; DOUBLE-LAMBDA LEVEL CONFIGURATIONS; CONTINUOUS FREQUENCY UP-CONVERSION; CONTINUOUS RESONANT 4-WAVE-MIXING	4	50	25.0
857	LIFETIME; LOCALIZED LIFETIME CONTROL; INNOVATIVE LOCALIZED LIFETIME CONTROL; PROTON IRRADIATION; PROTON IMPLANTATION	4	50	25.0
1473	RARE B-DECAYS; SUPERGRAVITY-INDUCED ELECTROWEAK BREAKING; SEARCHING; MSSM; MIXINGS	4	50	25.0
192	SEARCH; P%P<OVER-BAR COLLISIONS; HEAVY-LEPTON PRODUCTION; HADRON-HADRON COLLISIONS; STOP PRODUCTION	4	50	25.0
1147	SINGLE MAGNETIC IMPURITY; KONDO RESONANCE; SINGLE MAGNETIC ATOM SPECTROSCOPIC EVIDENCE; KONDO SCATTERING OBSERVED; TEMPERATURE-DEPENDENCE	4	50	25.0
2239	CLOUDS; LIDAR MULTIPLE-SCATTERING; MULTIPLE-SCATTERING; LIDAR RETURN SIGNALS; MULTIPLY SCATTERED AEROSOL LIDAR RETURNS INVERSION METHOD	4	25	25.0

Nr.	Forschungsfront	K	I	CH%
1136	CURVATURE ELASTICITY; DROPLET-TYPE MICROEMULSIONS; IONIC SURFACTANT MONOLAYERS; CHARGED AMPHIPHILIC MONOLAYERS; UNDERSTANDING MICROEMULSIONS THERMODYNAMICS	4	25	25.0
1460	HARD PROCESSES; PERTURBATIVE QCD; EXCLUSIVE PROCESSES; HARD ELASTIC-SCATTERING; PERTURBATIVE PION FORM-FACTOR	4	25	25.0
1795	MAGNETIC-PROPERTIES; ULTRAFINE PARTICLES; FINE FE PARTICLES; NI; NANOSTRUCTURED FE	4	25	25.0
1945	SU%3<CIRCLE-TIMES-U%1< MODEL; CHIRAL DILEPTON MODEL; STUDYING BILEPTONS; LEPTON MASSES; FLAVOR QUESTION	4	25	25.0
982	HIGH-TEMPERATURE SUPERCONDUCTORS; FLUX TRAPPING; DISSIPATIVE FLUX MOTION; GIANT FLUX CREEP; SUPERCONDUCTIVE GLASS STATE	4	0	25.0
844	MEASUREMENT; CHARGE FORM-FACTORS; KAON CHARGE RADIUS; SEMILEPTONIC DECAYS; QUARK-MODEL PIONS	4	0	25.0
393	QUASICRYSTAL STRUCTURE; QUASICRYSTAL STRUCTURES; QUASICRYSTAL STRUCTURE MODEL; RELATED STRUCTURES DECAGONAL QUASICRYSTALS; CRYSTAL	4	0	25.0
1173	SCRATCH ADHESION; ADHESION TESTING; SCRATCH ADHESION TESTING; COATING-SUBSTRATE ADHESION; SCRATCH TEST METHOD	4	0	25.0
1988	SINGLE-ATOM TIPS; SIMULATION; SCANNING TUNNELING MICROSCOPE; POLYMER FIBERS; POINT-SOURCE ELECTRON-MICROSCOPE	4	0	25.0
2130	TIO2 ANATASE THIN-FILMS; ANATASE %TIO2<; LARGE SINGLE-CRYSTALS; HIGH-MOBILITY N-TYPE CHARGE-CARRIERS; GAS SENSORS	3	0	100.0
2297	LATTICE QCD; HIGH STATISTICS LATTICE CALCULATION; POLARIZED; DIFFICULTY; COMPUTING HIGHER-TWIST CORRECTIONS	3	100	66.7
2287	2 LOOPS; LOW-ENERGY; ELASTIC PI-PI SCATTERING; LOW-ENERGY PI-PI AMPLITUDE; PION-PION SCATTERING	3	67	66.7
2308	MAGNETIC-MATERIALS STUDIED; MAGNETIC-MATERIALS; MUON SPIN ROTATION; MUON SPIN ROTATION SPECTROSCOPY; HEAVY-FERMION SYSTEMS STUDIED	3	67	66.7
2125	MESOSCOPIC CONDUCTORS; LOW-FREQUENCY ADMITTANCE; CAPACITANCE ADMITTANCE; SMALL CONDUCTORS; QUANTUM POINT-CONTACT	3	67	66.7
1882	RF SILANE PLASMAS IN-SITU STUDY; PARTICLE AGGLOMERATION STUDY; RADIO-FREQUENCY SILANE PLASMA DEPOSITION EXPERIMENTS; PARTICULATE FORMATION; PARTICLE-SIZE KINETICS	3	33	66.7
1893	YBA2CU3O7; UNDERDOPED-OVERDOPED PHASE-SEPARATION LINE; RAMAN-SCATTERING; O-18 SUBSTITUTED YBA2CU3O6+X; EXTENDED X-RAY-ABSORPTION FINE-STRUCTURE	3	33	66.7
1835	ABINITIO MOLECULAR-DYNAMICS STUDY; TIGHT-BINDING MOLECULAR-DYNAMICS STUDY; ABINITIO MOLECULAR-DYNAMICS PREPARATION STRUCTURE; LIQUID SI; LIQUID SILICON	3	0	66.7
1201	BOND-ORIENTATIONAL ORDER; MELTING TRANSITION; TWO-DIMENSIONAL MELTING; 2-DIMENSIONAL MELTING APPROACHED VIA FINITE-SIZE-SCALING; FINITE-SIZE-SCALING ANALYSIS	3	0	66.7
2139	EFFECTIVE GLUON MASS; QCD WAVE FUNCTIONAL DYNAMICAL MASS GENERATION; VARIATIONAL APPROACH; SPATIAL GEOMETRY; NON-ABELIAN GAUGE-THEORIES	3	0	66.7
947	LIGHT QUARKS; HADRONS BELOW; FINITE-TEMPERATURE QCD SUM-RULES REEXAMINED RHO-MESONS OMEGA-MESONS; CHIRAL PHASE-TRANSITION; A%1<-MESONS	3	0	66.7
1402	SCANNING TUNNELING MICROSCOPE; INELASTIC TUNNELING EXCITATION; SCANNING TUNNELLING MICROSCOPY; THEORY; NOBLE-METAL SURFACES	3	0	66.7
589	TIO2 ANATASE SINGLE-CRYSTALS; ANATASE %TIO2<; RUTILE SINGLE-CRYSTALS; OPTICAL-PROPERTIES; OBSERVATION	3	0	66.7
2327	AMORPHOUS-CARBON FILMS; MULTI-DOPED A-C-H FILMS DURING ANNEALING; STRUCTURAL-CHANGES; SP%3<; SP%2< COMPONENTS	3	100	33.3

Nr.	Forschungsfront	K	I	CH%
2365	CROSS-SECTION; GAMMA-ASTERISK-GAMMA-ASTERISK-TOTAL CROSS-SECTION; SHORT-DISTANCE POMERON; PROBE; LEP	3	100	33.3
2377	KERR-LENS MODE-LOCKED TI-SAPPHIRE LASER; SEMICONDUCTOR SATURABLE-ABSORBER MIRROR-ASSISTED KERR-LENS MODE-LOCKED TI-SAPPHIRE LASER PRODUCING PULSES; ALL-SOLID-STATE CAVITY-DUMPED SUB-5-FS LASER; SUB-2-CYCLE PULSES; 2-CYCLE REGIME	3	100	33.3
2359	NEAR-FIELD OPTICAL MICROSCOPY; OPTICAL RESOLUTION; OPTICAL CONTENT; ARTIFACTS; RESOLUTION	3	100	33.3
2343	PRESSURE-INDUCED ANTIFERROMAGNETIC; NON-FERMI-LIQUID BEHAVIOR; HEAVY-FERMION COMPOUND CE7NI3; PRESSURE-INDUCED NON-FERMI-LIQUID BEHAVIOR; HEAVY-FERMION COMPOUND CE7NI3 AROUND	3	100	33.3
2370	QUARK MASS ANOMALOUS DIMENSION; 4-LOOP QUARK MASS ANOMALOUS DIMENSION; INVARIANT QUARK MASS; 4-LOOP BETA-FUNCTION; O%ALPHA%4<%S<<	3	100	33.3
1872	DEEPLY BOUND PIONIC STATES; DEEPLY BOUND PI%-< STATES; DEEPLY BOUND PIONIC ATOMS; PB-207; NUCLEAR MEDIUM DEDUCED	3	67	33.3
2207	DOUBLE-QUANTUM DOT RABI OSCILLATIONS; DOUBLE-QUANTUM DOT; PHOTON-ASSISTED TUNNELING THROUGH; RESONANT PHOTON-ASSISTED TUNNELING THROUGH; SPATIAL RABI OSCILLATIONS	3	67	33.3
1290	TRANSPORT-PROPERTIES; SCALING; ONSET; MAGNETIC ORDER; CE SYSTEMS	3	67	33.3
2227	ADHESION; POLYMER ADHESION FUNDAMENTALS; POLYMER-FILMS; OVERVIEW; METHOD	3	33	33.3
2038	ATOMIC FORCE MICROSCOPE; IMAGING VISCOELASTICITY; FORCE MODULATION; VISCOELASTIC PROPERTIES; ATOMIC-FORCE MICROSCOPY IMAGING	3	33	33.3
1501	CANTOR SET; CANTOR SPECTRA; WHAT DETERMINES; WAVE-PACKET; TEMPORAL CORRELATIONS	3	33	33.3
1553	EFFECT; CONCENTRATED ALUMINA SLURRY; AQUEOUS ALUMINA SUSPENSIONS; POLYACRYLIC-ACID ONTO ALUMINA; RHEOLOGICAL PROPERTIES	3	33	33.3
2112	LIMITS; SUPERCONDUCTING TAPES; HIGH-T%C< SUPERCONDUCTING TAPES; SUPERCONDUCTING %BI,PB<%2<SR2CA2CU3O10 SILVER-SHEATHED TAPES; INDIVIDUAL FILAMENTS EXTRACTED	3	33	33.3
1629	RELATIVE ENERGIES; REGULARITY PROPERTIES; PROBABILISTIC CELLULAR AUTOMATA; POSITION-SPACE RENORMALIZATION-GROUP TRANSFORMATIONS SCOPE; PATHOLOGIES	3	33	33.3
803	STATES; LIQUID STATES; PROPERTIES; PHOTOEMISSION-STUDY; GRAPHITE	3	33	33.3
2024	TIAL; LAMELLAR TIAL ALLOYS; INSITU STUDY; FULLY TRANSFORMED NEAR GAMMA-TIAL ALLOY TI-48AL-2CR; DUPLEX	3	33	33.3
1243	AEROGELS; SILICA AEROGELS; SIO2 AEROGELS; SELF-SIMILARITY; MECHANICAL-PROPERTIES	3	0	33.3
1784	DENSE MEDIUM; DENSE EXCITED ATOMIC SYSTEMS; THIN RESONANT MEDIUM LOCAL-FIELD EFFECTS; ULTRAFAST INTRINSIC OPTICAL SWITCHING; TRANSMISSION	3	0	33.3
1081	EFFECTIVE CHIRAL LAGRANGIAN; WEAK CHIRAL LAGRANGIAN; RESONANCES; REANALYSIS; DECAYS	3	0	33.3
717	FOCK REPRESENTATIONS; AFFINE KAC-MOODY ALGEBRAS; AFFINE LIE-ALGEBRA AL%1<; SEMI-INFINITE FLAG MANIFOLDS; BRST COHOMOLOGY	3	0	33.3
1394	KINETICS; DIFFUSION-LIMITED REACTION NA+MB-*C; DIFFUSION-LIMITED REACTION ANOMALOUS KINETICS NONEQUILIBRIUM SELF-ORDERING; SOME PROPERTIES; MICROSCOPIC SELF-ORGANISATION	3	0	33.3
2026	PT/TI; PT/TI ELECTRODES; PT/TI BILAYER METALLIZATION; RESPECT; PT/TI/TIN INTERFACIAL REACTIONS	3	0	33.3

Nr.	Forschungsfront	K	I	CH%
1572	RHOMBOHEDRAL RGAO3 %R # LA PR ND< INVESTIGATED; RARE-EARTH GALLATES; PHASE-TRANSITIONS; ORTHORHOMBIC; NEUTRON POWDER DIFFRACTION	3	0	33.3
1981	ROLE; SLIP ADDITIVES; TAPE-CASTING TECHNOLOGY SOLVENTS; TAPE CASTING TECHNOLOGY BINDERS; PLASTICIZERS	3	0	33.3
577	SELF-DIFFUSION; POROUS-MEDIA; POROUS VYCOR GLASS; MOLECULE; MERCURY POROSIMETRY	3	0	33.3
1314	TOPOLOGICAL QUANTUM-FIELD THEORY; TOPOLOGICAL FIELD-THEORY; SUPERSYMMETRIC YANG-MILLS THEORY; 4-MANIFOLD	3	0	33.3
2320	2 LOOPS; CHARGED PION POLARIZABILITIES; PION POLARIZABILITIES; CHARGED PION-PAIR PRODUCTION	2	100	100.0
2389	ALL-OPTICAL DEMULTIPLEXING; ALL-OPTICAL WAVELENGTH CONVERTER SCHEME; HIGH-SPEED RZ SIGNAL FORMATS; 80; 10 GB/S SIGNALS	2	100	100.0
2396	E%+<E%-< COLLISIONS; E%+<E%-< COLLIDERS WHEN; SINGLE-AND MULTIPHOTON PRODUCTION; SIGNALS; OTHER SUPERPARTICLES ARE HEAVY	2	100	100.0
2322	ORGANIC SALT 4-N,N-DIMETHYLAMINO-4$-N$-METHYL-STILBAZOLIUM TOSYLATE; ORGANIC SALT 4-N N-DIMETHYLAMINO-4$-N$-METHYL-STILBAZOLIUM TOSYLATE; PARAMETRIC INTERACTIONS; ELECTROOPTIC PROPERTIES; TELECOMMUNICATION WAVELENGTHS	2	100	100.0
2336	PERITECTIC ALLOYS; SOLIDIFICATION; PHASE SELECTION DURING SOLIDIFICATION	2	100	100.0
2301	PULSE DURATION; LASER-ABLATION; LASER-INDUCED PRESSURE WAVES DURING HOLMIUM LASER-ABLATION; EFFECTS; EFFECT	2	100	100.0
2356	SR0.73CUO2; INFINITE-CHAIN COMPOUND SR0.73CUO2; PROPERTIES; HIGH-OXYGEN-PRESSURE SYNTHESIS STRUCTURE; CUO2 CHAINS	2	100	100.0
2379	STRESS; PZT THIN-FILMS; FREQUENCY-DEPENDENCE; FERROELECTRIC CERAMICS; EVIDENCE	2	100	100.0
2196	COUPLED SEMICONDUCTOR MICROCAVITIES; COUPLED SEMICONDUCTOR MICROCAVITY; DUAL-WAVELENGTH LASER-EMISSION	2	50	100.0
555	DEPOSITION; CONTROLLED DEPOSITION; MONODISPERSE SILVER CLUSTERS; SIZE-SELECTED SILVER NANOCLUSTERS; LATENT-IMAGE GENERATION	2	50	100.0
2187	DEVICE GRADE MICROCRYSTALLINE SILICON OWING; COMPLETE MICROCRYSTALLINE P-I-N SOLAR-CELL CRYSTALLINE OR AMORPHOUS CELL BEHAVIOR; REDUCED OXYGEN CONTAMINATION	2	50	100.0
2283	N#2 EXTREMAL BLACK-HOLES; ATTRACTORS; SUPERSYMMETRY	2	50	100.0
2218	SI%001<-SIO2 INTERFACE; SI%001< SIO2 INTERFACE; SI 2P CORE-LEVEL SHIFTS; FIRST-PRINCIPLES STUDY; STRUCTURALLY RELAXED MODELS	2	50	100.0
2278	ULTRAHIGH-VACUUM GROWTH; STABLE INPLANE DIRECTIONAL ORDER; SELF-ASSEMBLY; ORGANIC THIN-FILMS; METAL EPITAXY STUDIED	2	50	100.0
144	CHIRAL PERTURBATION-THEORY; CHIRAL PERTURBATION-THEORY EXPANSIONS; ROLE; RESONANCES; MASS	2	0	100.0
2081	DUAL NON-ABELIAN DUALITY; DUALITY SYMMETRIES; NON-ABELIAN ISOMETRIES; DRINFELD DOUBLE; STRING THEORY	2	0	100.0
2142	DYNAMICAL TRANSVERSE LASER PATTERNS EXPERIMENTS; DYNAMICAL TRANSVERSE LASER PATTERNS THEORY	2	0	100.0
1619	LUMINESCENCE; LUMINESCENCE MICROSCOPY; III-V HETEROSTRUCTURES; III-V NANOSTRUCTURES; SCANNING TUNNELING MICROSCOPY	2	0	100.0
1905	REFRACTIVE-INDEXES; ORTHORHOMBIC KNBO3 DISPERSION; ORTHORHOMBIC KNBO3 PHASE-MATCHING CONFIGURATIONS; NONLINEAR-OPTICAL INTERACTIONS; TEMPERATURE-DEPENDENCE	2	0	100.0
1742	RESONANT; QUANTUM-WELLS; QUANTUM-WELL REFLECTIVITY; EXCITON-POLARITON DISPERSION; SURFACE-POLARITONS	2	0	100.0
2384	2 TIMES; 2 TIMES 066004; SPACETIME; PARTICLE; GAUGED DUALITY CONFORMAL SYMMETRY	2	100	50.0

Nr.	Forschungsfront	K	I	CH%
2354	BI%2223</AG TAPES; BSCCO/AG HIGH-TEMPERATURE SUPERCONDUCTING TAPES; EXPONENT N; EXPERIMENTAL ASSESSMENT; CURRENT-LIMITING MECHANISMS	2	100	50.0
2371	CHARGED-HIGGS-BOSON DECAYS; TOP-QUARK USING HADRONIC DECAYS; SEARCH; FERMILAB TEVATRON COLLIDER DATA; CONSTRAINTS	2	100	50.0
2298	EVIDENCE; EPR EVIDENCE; LA1-XCAXMNO3+Y; LA1-XCAXMNO3+DELTA; JAHN-TELLER POLARON FORMATION	2	100	50.0
2399	FERROELECTRIC MEMORIES; FERROELECTRIC DIELECTRIC; FERROELECTRIC THIN-FILMS; PHYSICS; CERAMICS	2	100	50.0
2347	HADRON SPECTRA; HADRON YIELDS; HADRON DISTRIBUTIONS RECENT RESULTS; NA49 EXPERIMENT; CERN EXPERIMENT NA44	2	100	50.0
2350	HYDROGENATED MICROCRYSTALLINE SILICON INVESTIGATION; WAY TOWARDS HIGH-EFFICIENCY THIN-FILM SILICON SOLAR-CELLS; STRUCTURE; RAMAN-SPECTROSCOPY; MICROMORPH CONCEPT	2	100	50.0
2338	NEAR-INFRARED WAVELENGTHS; 2-DIMENSIONAL PHOTONIC BAND-GAP STRUCTURES; 2-DIMENSIONAL PHOTONIC-BANDGAP STRUCTURES OPERATING; QUANTITATIVE MEASUREMENT; DIFFRACTION	2	100	50.0
2296	NOVEL AZO DYE-DOPED POLY%METHYL METHACRYLATE< FILMS; BIPHOTON-INDUCED REFRACTIVE-INDEX CHANGE; 4-AMINO-4$-NITROAZOBENZENE POLYCARBONATE; OPTICAL-DATA STORAGE MEDIA	2	100	50.0
2340	SMALL POLARONS; RATIO; LA2-XSRXCUO4 DERIVED; HIGH-T-C CUPRATES; FREE-CARRIERS	2	100	50.0
2335	SMALL-ANGLE BHABHA SCATTERING; SMALL-ANGLE ELECTRON-POSITRON SCATTERING; PER MILLE ACCURACY; O%ALPHA%2<< NEXT-TO-LEADING PHOTONIC CORRECTIONS; STRUCTURE-FUNCTION	2	100	50.0
2198	AB-INITIO MOLECULAR-DYNAMICS; AB-INITIO MOLECULAR-DYNAMICS SIMULATION; LASER MELTING; EXCITED ELECTRONS; SILICON	2	50	50.0
1310	AMORPHOUS SI/SIO2 SUPERLATTICE STRUCTURES; AMORPHOUS NANOSIZED SILICON POWDERS UPON THERMAL-TREATMENT; ATOMIC-STRUCTURE; CRYSTALLIZATION KINETICS	2	50	50.0
2205	BRAGG GRATING FAST TUNABLE FILTER; COMPRESSION-TUNED SINGLE-FREQUENCY BRAGG GRATING FIBER LASER	2	50	50.0
1413	DIAMOND THIN-FILMS DIAMOND PHASE IDENTIFICATION SURFACE-MORPHOLOGY; CVD DIAMOND THIN-FILMS GROWN; MICROSTRUCTURE EVOLUTION; LOW SUBSTRATE TEMPERATURES; DEFECT STRUCTURES	2	50	50.0
2286	DYE-SENSITIZED NANO-POROUS SOLID-STATE PHOTOVOLTAIC CELL; SOLID-STATE DYE-SENSITIZED MESOPOROUS TIO2 SOLAR-CELLS; HIGH PHOTON-TO-ELECTRON CONVERSION EFFICIENCIES	2	50	50.0
2237	EP COLLISIONS; MONTE-CARLO GENERATOR; HIGH-ENERGY EP COLLISIONS; MONTE-CARLO GENERATOR RAPGAP; HARD DIFFRACTIVE SCATTERING	2	50	50.0
1923	HUBBARD-MODEL; EXTENDED GAPLESS REGIONS; DISORDERED D%X%2<-Y%2<< WAVE SUPERCONDUCTORS; CRUDE WEIGHT; SUPERFLUID DENSITY	2	50	50.0
625	INDEPENDENT-PARTICLE MOTION; FERMION SYSTEMS; CORRELATIONS; 4 NUCLEI; # 3	2	50	50.0
2070	KNBO3 RELEVANT; KNBO3 SINGLE-CRYSTAL; SUPERHIGH ELECTROMECHANICAL COUPLING SURFACE-ACOUSTIC-WAVE PROPAGATION; MATERIALS CONSTANTS; EXPERIMENTAL-STUDY	2	50	50.0
2192	LIQUID-METAL UNDERCOOLED BELOW ITS CURIE-TEMPERATURE; HYPERCOOLED CO-PD MELTS; NONEQUILIBRIUM SOLIDIFICATION	2	50	50.0
1942	MIXED OXIDES SIO2-ZRO2; TIO2/SIO2 MIXED OXIDES PREPARED VIA; NON-HYDROLYTIC SOL-GEL ROUTE; SOL-GEL PROCESS CHARACTERIZATION; SIO2-TIO2	2	50	50.0

Nr.	Forschungsfront	K	I	CH%
1379	NEAR-FIELD OPTICAL MICROSCOPY; ULTRAHIGH DENSITY OPTICAL DISK SYSTEM USING; SINGLE-PARTICLE PLASMONS; PROPOSAL; OBSERVATION	2	50	50.0
1957	NEUTRAL-KAON SYSTEM; FIRST DIRECT OBSERVATION; DECAY; CP VIOLATION; TIME-REVERSAL NON-INVARIANCE	2	50	50.0
2147	PERFECT LATTICE ACTION; PERFECT LATTICE ACTIONS; GLUONS; ASYMPTOTICALLY FREE THEORIES; QUARKS	2	50	50.0
1486	QUANTUM-MECHANICS; QUANTUM-GRAVITY; GENERAL-THEORY; DECOHERENCE EFFECT; COLLAPSE	2	50	50.0
2231	SURFACE-MORPHOLOGY; SRBI2TA2O9 THIN-FILMS; OXYGEN-PRESSURE DEPENDENCE; GRAIN-SIZE; ELECTROMECHANICAL PROPERTIES	2	50	50.0
2100	CERU2; LAVES PHASE SUPERCONDUCTOR CERU2; MAGNETIC-PROPERTIES; FLUX-PINNING SPECIFIC-HEAT; REENTRANT SUPERCONDUCTIVITY	2	0	50.0
1760	GE%111< SURFACE; SEMICONDUCTOR SURFACE; METALLIZATION; INCOMPLETE MELTING; HIGH-TEMPERATURE	2	0	50.0
372	LATTICE-PARAMETER; SMALL PARTICLES; SMALL PALLADIUM PARTICLES; SIZE DEPENDENCE; SIZE EFFECT	2	0	50.0
1787	MODELING; MICRODISCHARGES; APPLICATIONS; AIR-FED OZONIZERS; SILENT DISCHARGE PLASMAS	2	0	50.0
705	NEAR-FIELD OPTICAL-SCANNING MICROSCOPY; DIFFRACTION BARRIER OPTICAL MICROSCOPY; BREAKING; NANOMETRIC SCALE	2	0	50.0
2229	OPTICAL-FIBER NEAR-FIELD PROBES; PROTECTION LAYER CHEMICALLY ETCHED OPTICAL-FIBER TIPS; OPTIMIZATION; MECHANICALLY DRAWN; FABRICATION	2	0	50.0
1579	OPTOACOUSTIC TRACE-GAS MONITORING; NEAR-INFRARED DIODE-LASERS; CO2 WAVE-GUIDE LASER; SENSITIVE INTRACAVITY PHOTOACOUSTIC MEASUREMENTS	2	0	50.0
1714	ORIGIN; MECHANISM; BOUNDARY LUBRICATION; ATOMIC FRICTION; STICK-SLIP MOTION	2	0	50.0
1485	POLYMER MELTS; NEW ELONGATIONAL RHEOMETER; TRANSIENT ELONGATIONAL VISCOSITIES; DRAWABILITY; OTHER HIGHLY VISCOELASTIC LIQUIDS	2	0	50.0
1535	QCD PARTON RECOMBINATION; PRECISION-MEASUREMENT; NUCLEAR-STRUCTURE FUNCTIONS; F2CA/F2D; APPLICATIONS	2	0	50.0
1914	QUANTUM CONFINEMENT; INCREASING SIZE; HYDROGENATED SI-CLUSTERS BAND FORMATION; SI NANOCRYSTALS	2	0	50.0
1348	QUANTUM WELLS; GAAS/GA1-XALXAS QUANTUM WELLS; EXCITED SHALLOW ACCEPTOR STATES; BINDING-ENERGIES; EXCITON MIXING	2	0	50.0
1831	RESONANT CAVITY-ENHANCED %RCE< PHOTODETECTORS; RESONANT-CAVITY ENHANCED PHOTONIC DEVICES	2	0	50.0
1731	SCATTERING; INCLUSIVE ELECTRON-NUCLEUS SCATTERING; NUCLEAR-MATTER; GEV ELECTRONS; SCALING	2	0	50.0
868	SELF-DIFFUSION CONSTANTS; NEW CONCERTED EXCHANGE MECHANISM; DIFFUSION WITHOUT VACANCIES OR INTERSTITIALS; 1ST-PRINCIPLES CALCULATIONS; SILICON	2	0	50.0
1056	SILICON; MOLECULAR-DYNAMICS; AB-INITIO MOLECULAR-DYNAMICS STUDY; FIRST-ORDER PHASE-TRANSITIONS MELTING; PHASE-DIAGRAM	2	0	50.0
1465	STOCHASTIC QUANTUM DYNAMICS; RELATIVITY; TESTING QUANTUM-MECHANICS	2	0	50.0
1643	STUDY; FURTHER STUDY; P-PI-#36 GEV/C; MESONS WHICH DECAY INTO OMEGA-OMEGA; REACTION PI-P-*OMEGA-OMEGA-ETA	2	0	50.0
153	SUPERCHARGES; REAL CLIFFORD ALGEBRAS; NUMBER; FIERZ IDENTITIES; SUPERSYMMETRIC GROUND-STATE WAVE-FUNCTIONS	2	0	50.0
955	SUPERCONDUCTING CU OXIDES; RESONATING VALENCE BOND STATE; LA2CUO4; EFFECTIVE HAMILTONIAN; SUPERCONDUCTIVITY	2	0	50.0
1679	SWIFT-HOHENBERG PROBLEM; GINZBURG-LANDAU APPROXIMATION; ERROR-ESTIMATES; TIME-DEPENDENT AMPLITUDE EQUATION	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
1786	SYSTEMS; LARGE CHEMICAL-POTENTIAL; GAUGE DEPENDENCE IDENTITIES; FINITE TEMPERATURE; COLLECTIVE FERMIONIC EXCITATIONS	2	0	50.0
399	TIME-SERIES; CHAOTIC TIME-SERIES; LYAPUNOV SPECTRUM; LIAPUNOV EXPONENTS; MEASUREMENT	2	0	50.0

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Nr.	Forschungsfront	K	I	CH%
315	BACILLUS-THURINGIENSIS; RESISTANCE; BACILLUS-THURINGIENSIS INSECTS; BACILLUS-THURINGIENSIS DELTA-ENDOTOXINS; BACILLUS-THURINGIENSIS TOXINS	50	26	4.0
29	FISH; EFFECTS; YOLK-SAC LARVAE; FATTY-ACID COMPOSITION; DEVELOPMENT	50	20	2.0
1119	OZONE; OZONE EFFECTS; TRANSGENIC PLANTS; OZONE GROWTH; REGIONAL OZONE	49	29	14.3
1695	**PLANTS; SYSTEMIC ACQUIRED-RESISTANCE; SALICYLIC-ACID; ARABIDOPSIS; PROGRAMMED CELL-DEATH**	**48**	**40**	**27.1**
74	BATS; INSECTIVOROUS BATS; NEW-ZEALAND; ECHOLOCATING BATS; STOATS %MUSTELA-ERMINEA<	47	26	2.1
417	BOVINE VIRAL DIARRHEA VIRUS; BOVINE VIRUS DIARRHEA VIRUS; NONCYTOPATHIC BOVINE VIRAL DIARRHEA VIRUS; VIRUS; DETECTION	45	18	4.4
131	ENDOPHYTE; FUNGAL ENDOPHYTES; TAXONOMY; GRASSES; SPECIES	43	23	7.0
467	STREAM; STREAM ECOLOGY; LOTIC MACROINVERTEBRATES; STREAM HYDRAULICS; STREAM HABITATS	43	23	7.0
813	AFLP MARKERS; AFLP; AFLP ANALYSIS; IDENTIFICATION; RFLP MARKERS	43	60	2.3
152	SPIDERS; EFFECT; FARMLAND; CEREAL FIELD; CEREAL FIELDS	41	5	19.5
666	CANCER PAIN; CARPROFEN; DOGS; COMPARISON; POSTOPERATIVE PAIN	41	34	2.4
296	PLUM POX POTYVIRUS; NUCLEOTIDE-SEQUENCE; POTYVIRUS; PLUM POX POTYVIRUS DETECTION; POTYVIRUS GROUP	41	27	2.4
332	EFFECTS; ALTERNATIVE OXIDASE; PHOTOSYNTHESIS; REGULATION; PHOTOSYSTEM-II	41	22	2.4
478	MATING; FEMALE DROSOPHILA-MELANOGASTER; FEMALE CHOICE; FEMALE INSECT; SPERM COMPETITION	37	22	8.1
36	AEDES-AEGYPTI; MOSQUITOS; AEDES-AEGYPTI %DIPTERA CULICIDAE<; CARBON-DIOXIDE; 1-OCTEN-3-OL	35	23	8.6
1014	PHYTASE; MICROBIAL PHYTASE; SUPPLEMENTAL PHYTASE; SUPPLEMENTAL MICROBIAL PHYTASE; PHOSPHORUS	32	34	3.1
553	HEMOCYTES; BACULOVIRUS ASSOCIATED; CHARACTERIZATION; WHITE SPOT SYNDROME %WSBV<; MUSSEL MYTILUS-EDULIS	32	25	3.1
1215	ELEVATED CO2; ELEVATED ATMOSPHERIC CO2; PHOTOSYNTHESIS; RISING ATMOSPHERIC CO2; ELEVATED CARBON-DIOXIDE	31	19	9.7
771	PLANTS; DIEBACK; PHRAGMITES-AUSTRALIS; FLOODING; ROOTS	31	23	6.5
245	ENTOMOPATHOGENIC NEMATODES; NEMATODES; IDENTIFICATION; MELOIDOGYNE SPECIES; ENTOMOPATHOGENIC NEMATODES %HETERORHABDITIDAE	28	36	3.6
116	**CHLOROPHYLL BREAKDOWN; CHLOROPHYLL BIOSYNTHESIS; CHLOROPHYLL; IDENTIFICATION**	**27**	**33**	**29.6**
1315	BIOLOGICAL-CONTROL; FUSARIUM-WILT; SUPPRESSION; NONPATHOGENIC FUSARIUM-OXYSPORUM; FLUORESCENT PSEUDOMONADS	26	12	3.8
1034	APPLE; VF GENE; RESISTANCE; SELF-INCOMPATIBILITY; SCAB RESISTANCE	25	20	12.0
1854	RBCL SEQUENCES; RBCL SEQUENCE DATA; RBCL; PHYLOGENY; CHLOROPLAST RBCL	25	24	4.0
237	ASTAXANTHIN; CAROTENOID BIOSYNTHESIS; RAINBOW-TROUT %ONCORHYNCHUS-MYKISS<; GREEN-ALGA HAEMATOCOCCUS-PLUVIALIS; RAINBOW-TROUT	25	12	4.0

Nr.	Forschungsfront	K	I	CH%
258	VARROA-JACOBSONI; VARROA-JACOBSONI OUD; MITE VARROA-JACOBSONI OUD; PARASITIC MITE VARROA-JACOBSONI OUD; VARROA-JACOBSONI OUD INFESTATIONS	23	26	4.3
1866	RAPD MARKERS; RAPD VARIATION; ANALYSIS; RAPD; COMPARISON	20	15	10.0
165	ERWINIA-AMYLOVORA; CHARACTERIZATION; LEVANSUCRASE GENE; MOLECULAR CHARACTERIZATION; ASPERGILLUS-NIGER ATCC-20611	20	20	5.0
278	TYROSINASE; ACTIVATION; MUSHROOM TYROSINASE; TYROSINASE ACTIVITY; ENZYMATIC	20	20	5.0
1042	CHINESE HERBAL MEDICINE; LOCUST; USE; TRADITIONAL CHINESE HERBAL THERAPY; CHINESE HERBAL PRODUCT MA-HUANG	19	26	10.5
298	NITROGENASE ACTIVITY; LEGUME NODULES; REGULATION; SOYBEAN; DROUGHT-STRESSED SOYBEAN NODULES	19	21	5.3
270	ESCHERICHIA-COLI; PIGS; ESCHERICHIA-COLI ISOLATED; VEROCYTOTOXIN-PRODUCING ESCHERICHIA-COLI; ESCHERICHIA-COLI ISOLATES	18	0	11.1
814	SUCROSE SYNTHASE; SUCROSE PHOSPHATE SYNTHASE SUCROSE SYNTHASE; SUCROSE PHOSPHATE SYNTHASE; SUCROSE CONCENTRATION; SUCROSE DEGRADATION	17	12	5.9
1105	ARBUSCULAR MYCORRHIZAL FUNGI; ARBUSCULAR MYCORRHIZAL FUNGI %ZYGOMYCETES<; VESICULAR-ARBUSCULAR MYCORRHIZAL PLANTS; ARBUSCULAR MYCORRHIZAL FUNGAL COMMUNITIES; ARBUSCULAR MYCORRHIZAS	17	6	5.9
120	IMMUNOCOMPETENCE; BROOD SIZE; REPRODUCTION; COST; PARASITISM	16	31	6.3
356	CHLORSULFURON; SOIL; SULFONYLUREA HERBICIDES; DEGRADATION; METSULFURON-METHYL	16	12	6.3
2025	NUCLEAR RIBOSOMAL DNA; NUCLEAR RIBOSOMAL DNA INTERNAL TRANSCRIBED SPACER SEQUENCES; INTERNAL TRANSCRIBED SPACER SEQUENCES; RIBOSOMAL DNA; PHYLOGENETIC IMPLICATIONS	15	33	6.7
1736	**ALTERNATIVES; EVALUATION; DRAIZE EYE IRRITATION TEST; IN-VITRO ALTERNATIVES; VALIDATION**	**14**	**43**	**35.7**
686	**DOGS; NECROTIZING MENINGOENCEPHALITIS; PUG DOGS; 50 DOGS; MALTESE DOGS**	**14**	**21**	**21.4**
1360	HEMOLYMPH; IDENTIFICATION; HELIOTHIS-VIRESCENS; EVIDENCE; ISOLATION	13	38	7.7
1231	INDOLE-3-ACETIC-ACID; AUXIN METABOLISM; METABOLISM; PURIFICATION; ENDOGENOUS INDOLE-3-ACETIC-ACID METABOLISM	13	38	7.7
117	OXYGEN-UPTAKE; BENTHIC FLUXES; DIFFUSIVE BOUNDARY-LAYERS; FLUXES; OXYGEN-UPTAKE KINETICS	12	8	8.3
1877	ANTHOCYANIN BIOSYNTHESIS; PLANT CYTOCHROME-P450; PLANT CYTOCHROME-P450 MONOOXYGENASES; EXPRESSION; PLANTS	10	40	10.0
1630	COMPETITION INDEXES; OVERTOPPING VEGETATION; GROWTH; CHONDROSTEREUM-PURPUREUM; PLANT COMPETITION	9	22	11.1
1059	FLIGHT; GLUCOSE-UTILIZATION DURING FLIGHT; HONEY BEE FLIGHT METABOLIC POWER CALCULATED; HONEY BEE RESPIRATORY QUOTIENTS; INTRODUCED AFRICANIZED HONEY-BEE	9	11	11.1
728	ELICITORS; CULTURED PARSLEY CELLS; STRUCTURE; RESPONSES; MICROBIAL ELICITORS	8	25	12.5
1699	GREAT TITS; NESTLING WEIGHT; GREAT TIT; ECTOPARASITE; EFFECT	7	29	42.9
1570	AQUATIC COLLOIDS; COLLOIDS; CHARACTERIZATION; SAMPLING MARINE COLLOIDS OVERVIEW; ORGANIC-CARBON RESULTS	7	29	28.6
938	FEMALE REPRODUCTIVE STRATEGIES; FEMALE REPRODUCTIVE SUCCESS; GOLDEN LION TAMARINS LEONTOPITHECUS-ROSALIA; FEMALE COTTON-TOP TAMARINS %SAGUINUS-OEDIPUS-OEDIPUS<; REPRODUCTIVE STATUS	7	0	14.3
1838	ISOTOPIC ANALYSIS; LAKE-ONTARIO; ISOTOPIC SOURCE IDENTIFICATION; ITS ISOTOPIC COMPOSITION; ORGANIC-MATTER SOURCES	6	33	33.3
1702	ACTINOBACILLUS-PLEUROPNEUMONIAE; ACTINOBACILLUS-PLEUROPNEUMONIAE ADHERENCE; ACTINOBACILLUS-PLEUROPNEUMONIAE STRAINS ISOLATED; PNEUMONIA DETECTED; PNEUMONIA DETECTED DURING LIFETIME	6	0	16.7

Nr.	Forschungsfront	K	I	CH%
337	IDENTIFICATION; APPLE CULTIVARS; IDENTIFYING OLIVE CULTIVARS; ISOZYME ANALYSIS; APPLE CULTIVARS USING RAPD MARKERS	5	0	20.0
800	PHOSPHORUS; FIXATION; PHOSPHORUS ACROSS; SEDIMENT WATER INTERFACE; ROLE	4	0	50.0
851	FRUCTANS; TUBERS; SUCROSE; PURIFIED FRUCTOSYLTRANSFERASES; NATURAL FUNCTIONS	4	25	25.0
1825	MUMPS; MEASLES MUMPS; MUMPS OUTBREAK; RUBELLA; HIGHLY VACCINATED POPULATION	4	25	25.0
1605	MATE CHOICE; HENCE AVOID PARASITIZED MALES; EXPERIMENTALLY PARASITIZED ROCK DOVES LOUSY MALES LOSE; PARASITISM; PARASITES	4	0	25.0
1726	SHIKIMATE PATHWAY; SHIKIMATE PATHWAY EARLY STEPS; METABOLIC TREE; MANY BRANCHES; HIGHER-PLANTS	4	0	25.0
1752	CHLOROPHYLL-A FLUORESCENCE; POLYPHASIC CHLOROPHYLL-ALPHA FLUORESCENCE TRANSIENT; CHLOROPHYLL FLUORESCENCE QUENCHING; POLYPHASIC RISE; THEIR RELATION	3	0	100.0
2189	GRASSES; FINE FESCUE GRASSES; FUNGAL ENDOPHYTES %EPICHLOE SPP<; ENDOPHYTIC FUNGAL PROTEINASE THAT IS ABUNDANTLY EXPRESSED; STUDYING	3	0	66.7
2043	LEAVES; DROUGHT-STRESSED LEAVES; SOURCE TRANSITION DISCOVERY; SINK; RAFFINOSE FAMILY OLIGOSACCHARIDES	3	0	66.7
1964	CHEMICALS; TEST; INTEGRATED APPROACH; ACUTE SYSTEMIC TOXICITY IN-VITRO RESULTS; INVITRO TEST SYSTEMS	3	67	33.3
1990	OVULE DEVELOPMENT; WILD-TYPE OVULE DEVELOPMENT; ARABIDOPSIS; WILD-TYPE ARABIDOPSIS; LIGHT-MICROSCOPE STUDY	3	33	33.3
1077	ANTIGENS; IMMUNE-SYSTEM; MONOCLONAL-ANTIBODY REACTIVE; RUMINANT IMMUNE-SYSTEM; CROSS REACTIVE MONOCLONAL-ANTIBODIES	3	0	33.3
2272	HEPATITIS-B; HEPATITIS-B INFECTION; HEPATITIS-B PREVENTION; OVERVIEW; GLOBAL PROGRAM	3	0	33.3
2368	LIQUID-CHROMATOGRAPHY ULTRA-VIOLET MASS-SPECTROMETRIC; LIQUID-CHROMATOGRAPHY NUCLEAR-MAGNETIC-RESONANCE SPECTROSCOPIC ANALYSIS; STRUCTURE DETERMINATION; NATURAL-PRODUCTS; LC-NMR	2	100	50.0
2315	PLANT-CELLS; PLANT-CELLS CONTAIN 2 FUNCTIONALLY DISTINCT VACUOLAR COMPARTMENTS; SORTING; PROTEINS; VACUOLES	2	100	50.0
2135	PATHOGEN DEFENSE RESPONSES; HOST-PLASMA MEMBRANE H+-ATPASE; PLANT DEFENSE RESPONSE; PLASMA-MEMBRANE H+-ATPASE ACTIVITY DIFFERENTIALLY ACTIVATES WOUND; MODULATION	2	50	50.0
1684	PREDICTABLY EPHEMERAL HABITATS; POPULATION-MOVEMENTS; CYCLIC COLONIZATION; CULTIVATED AREAS; BIOLOGICAL-CONTROL	2	50	50.0
1223	ADAPTATION PHYSIOLOGY; PITUITARY MELANOTROPE CELLS DURING BACKGROUND ADAPTATION; FUNCTIONING; AMPHIBIAN XENOPUS-LAEVIS; ACIDIC INTRACELLULAR COMPARTMENTS	2	0	50.0
1510	COSTS INFLUENCE SEQUENTIAL MATE CHOICE; DEVELOPMENTAL STAGE INFLUENCE SPAWNING-SITE CHOICE; FEMALE GARIBALDI; EGG PRESENCE; STICKLEBACKS GASTEROSTEUS-ACULEATUS	2	0	50.0
724	PLANTS; 2 PERENNIAL PLANTS; SIZE DEPENDENCY; SEXUAL REPRODUCTION; REPRODUCTIVE EFFORT	2	0	50.0
1542	SENESCENCE; PLANT GENE-CONTROLLED INEFFECTIVE ALFALFA NODULES; PATTERNS; NITROGEN ASSIMILATING ENZYME-ACTIVITIES; GENE-EXPRESSION	2	0	50.0
1992	SYMPATHOGENESIS; RHIZOBIA; OUTS; NODULATION; MOLECULAR-BASIS	2	0	50.0

CH-Forschungsfronten 1999

Psychology/Psychiatry

Nr.	Forschungsfront	K	I	CH%
48	POSITIVE; EMOTIONS; NEGATIVE AFFECT; ANXIETY; AFFECT	44	9	2.3
103	PHASE-TRANSITIONS; INTERLIMB COORDINATION; TIME; COORDINATION; PERCEPTUAL	37	24	2.7
780	SCHIZOPHRENIA; ASSERTIVE COMMUNITY TREATMENT; TREATMENT; AFTERCARE TREATMENT; CASE-MANAGEMENT	34	32	2.9
1331	SCHIZOPHRENIA; TREATMENT; HALOPERIDOL; PATIENTS; OLANZAPINE	27	63	3.7
219	AUTISM; AUTISM OR ATYPICAL AUTISM; AUTISM TOWARDS; AUTISM DIAGNOSTIC INTERVIEW; AUTISM DIAGNOSTIC INTERVIEW-REVISED	27	48	3.7
437	ANOREXIA-NERVOSA; OUTCOME; BULIMIA-NERVOSA; MORTALITY; ANOREXIA-NERVOSA OUTCOME	23	26	8.7
292	POSTNATAL DEPRESSION; POSTPARTUM DEPRESSION; WOMEN; POSTNATAL DEPRESSION DEVELOPMENT; CONTROLLED PROSPECTIVE-STUDY	23	30	4.3
325	SOCIAL PHOBIA; PANIC DISORDER; TREATMENT; FLUVOXAMINE; SOCIAL PHOBIA COMORBIDITY	23	22	4.3
807	SCHIZOPHRENIA; ONSET; GENDER DIFFERENCES; SCHIZOPHRENIA DIFFERENCES; ADULT SCHIZOPHRENIA	22	32	4.5
560	SOMATIZATION; PRIMARY CARE; SOMATIZATION DISORDER; SOMATIC PRESENTATION; PRIMARY CARE SETTING	19	11	5.3
288	PERSONALITY-DISORDERS; DIAGNOSING PERSONALITY-DISORDERS; PERSONALITY-DISORDER; EFFECT; DSM-III PERSONALITY-DISORDERS	19	0	5.3
240	WOMEN; SLEEP; PREMENSTRUAL DYSPHORIA; MENSTRUAL-CYCLE; TREATMENT	14	29	14.3
688	DISCOURSE; DISCOURSE MARKERS; DISCOURSE STRUCTURE; DISCOURSE MARKERS SCHIFFRIN,D; CENTERING	13	0	7.7
2020	ONTARIO; UNITED-STATES; USE; PSYCHOLOGICAL DISORDERS	8	88	12.5
1206	NEGATIVE AFFECTIVITY; STRAINS; JOB STRESSORS; JOB STRESS; STRESSORS	6	17	16.7
993	CATEGORICAL VERSUS COORDINATE SPATIAL RELATIONS COMPUTATIONAL ANALYSES; CATEGORICAL; COORDINATE RELATIONS; PROCESSING SPATIAL INFORMATION; SPATIAL REPRESENTATIONS HEMISPHERIC-SPECIALIZATION	6	0	16.7
1130	FACIAL EXPRESSIONS; EMOTION; AMERICAN-JAPANESE CULTURAL-DIFFERENCES; UNIVERSAL FACIAL EXPRESSIONS; UNIVERSAL FACIAL EXPRESSIONS EVIDENCE	6	0	16.7
1682	YOUNG-ADULTS; MIGRAINE; MIGRAINE PSYCHIATRIC-DISORDERS; MIGRAINE MAJOR DEPRESSION; EPIDEMIOLOGIC-STUDY	5	0	40.0
2186	ELECTIVE MUTISM; SELECTIVE MUTISM; CHILDREN; 50 CHILDREN; SYSTEMATIC ASSESSMENT	5	40	20.0
1683	MENTAL-HEALTH; MENTAL-HEALTH AMONG GENERAL-PRACTITIONERS BEFORE; STRESS ANXIETY; JOB STRESS SATISFACTION; DEPRESSION IN-HOSPITAL CONSULTANTS GENERAL-PRACTITIONERS	5	40	20.0
1598	SEVERE MENTAL-ILLNESS; PEOPLE; SUPPORTED EMPLOYMENT; VOCATIONAL-REHABILITATION; VOCATIONAL-REHABILITATION SYSTEM	4	75	25.0
1792	TRYPTOPHAN-HYDROXYLASE GENE; TRYPTOPHAN-HYDROXYLASE POLYMORPHISM; POLYMORPHIC HUMAN TRYPTOPHAN-HYDROXYLASE INTRON-7; SEQUENCE SPLICE-SITE; POPULATION FREQUENCY-DISTRIBUTION ANALYSES	4	50	25.0
665	EATING; BINGE EATING AMONG; EMOTIONAL EATING SCALE; REVIEW; OBESITY	4	0	25.0

Nr.	Forschungsfront	K	I	CH%
2197	SYNTACTIC ACTIVATION DURING LANGUAGE PROCESSING; SPOKEN WORD RECOGNITION; NEUROPSYCHOLOGICAL; NEUROPHYSIOLOGICAL DATA; MODEL-BASED	3	33	33.3
1727	EFFECT; PARANORMAL; PARANORMAL BELIEFS; SHEEP GOAT EFFECT; REVIEW	3	0	33.3
983	LIFETIME PREVALENCE; LOS-ANGELES; PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; SPECIFIC PSYCHIATRIC-DISORDERS AMONG MEXICAN-AMERICANS; PATHWAYS	3	0	33.3
1427	PREMORBID PERSONALITY ASSESSMENTS; DEPRESSIVE PERSONALITY; PREMORBID PERSONALITY-TRAITS; MEN WHO DEVELOP UNIPOLAR OR BIPOLAR DISORDERS; MAJOR DEPRESSION	3	0	33.3
1955	GE<< OUTLINE; GE<< PSYCHOTHERAPY-RESEARCH; BEGINNING; 1990S; GENERAL PSYCHOTHERAPY	2	0	100.0
2021	PROGRESS TOWARD ACHIEVING; MENTAL; COMMON LANGUAGE; BEHAVIORAL-DISORDERS; PSYCHIATRY RESULTS	2	0	100.0

CH-Forschungsfronten 1999
Social Sciences, general

Nr.	Forschungsfront	K	I	CH%
561	REPRESENTATION; NATURAL-LANGUAGE PROCESSING; MEDICAL LANGUAGE; MEDICAL TERMINOLOGY; MEDICAL RECORDS	45	42	2.2
502	HEALTH; MORTALITY; GENDER DIFFERENCES; GENDER; MORTALITY DECLINE	40	28	2.5
1027	MORTALITY; HEALTH; DEPRIVATION; INCOME INEQUALITY; SOCIAL DEPRIVATION	36	56	2.8
1193	CARE; NURSING-HOME; RANDOMIZED TRIAL; COMPREHENSIVE GERIATRIC ASSESSMENT; NURSING-HOME RESIDENTS	34	41	5.9
1281	EUROPEAN INTEGRATION; EUROPEAN-COMMUNITY; EUROPEAN COURT; EUROPEAN BARGAIN; EUROPEAN PARLIAMENT	27	37	3.7
634	ALCOHOL-CONSUMPTION; ALCOHOL; FREQUENCY; ALCOHOL-USE	27	19	3.7
709	SUICIDE; UNEMPLOYMENT; DURKHEIM SUICIDE; PREVENTING SUICIDE; SUICIDE ASPIRATIONS	24	29	4.2
1834	ROUTE; TRANSITIONS; HEROIN COCAINE; HEROIN; REGULAR AMPHETAMINE USERS	17	18	5.9
143	RECYCLING; BEHAVIOR; ENVIRONMENTAL ATTITUDES; ENVIRONMENTAL CONCERN; PREDICTING RECYCLING BEHAVIOR	14	0	7.1
1897	TUBERCULOSIS; TUBERCULOSIS PATIENTS; NEW TUBERCULOSIS; CULTURAL-FACTORS; NONCOMPLIANCE AMONG TUBERCULOSIS PATIENTS	9	33	11.1
1096	EFFECTS; PATIENTS; PRESCRIPTION DRUGS UNDER MEDICAID EFFECTS; LIMITING MEDICAID DRUG-REIMBURSEMENT BENEFITS; DECISION-MAKING ABOUT PRESCRIPTION MEDICATIONS	9	22	11.1
2127	IQOLA PROJECT; SF-36 HEALTH SURVEY COLLECTED; SF-36 HEALTH SURVEY PRELIMINARY-RESULTS; NATIONAL SURVEY; SWEDISH SF-36 HEALTH SURVEY EVALUATION	7	0	14.3
2000	ALCOHOL-PROBLEMS WITHOUT TREATMENT; ALCOHOL-PROBLEMS; ALCOHOL; RECOVERY; WITHOUT TREATMENT PREVALENCE	5	40	20.0
2069	ELDERLY; NUTRITION; NUTRITIONAL RISK; MINI NUTRITIONAL ASSESSMENT; NUTRITION SCREENING INITIATIVE	3	67	33.3
2391	PROGRAM; HEROIN MAINTENANCE PROGRAM; RESULTS; RANDOMIZED TRIAL; NARCOTICS	2	100	100.0
2373	BETTER HEALTH; HEALTH SECTOR; UNRULY MELANGE COORDINATING EXTERNAL RESOURCES; REVIEW; FUTURE	2	100	50.0
2321	OPENING; METHODOLOGY; HEALTH SECTOR; DEBATE; DALYS	2	100	50.0
1405	CHIMPANZEES; WILD CHIMPANZEES; RED COLOBUS-DIANA MONKEY ASSOCIATIONS UNDER PREDATION PRESSURE; HUNTING BEHAVIOR; FORMATION	2	50	50.0
1673	MORTALITY; REVIEW; ALL-CAUSE MORTALITY; NEW MEDICAL REVIEW SERIES ALCOHOL; ALCOHOL-CONSUMPTION	2	0	50.0

CH-Forschungsfronten 1999
Interdisciplinary

Nr.	Forschungsfront	K	I	CH%
309	J-AGGREGATES; LOCALIZATION; EXCITONS; DISORDERED MOLECULAR AGGREGATES; RHODOBACTER-SPHAEROIDES	49	24	12.2
38	WORKERS; EVOLUTION; EUSOCIAL HYMENOPTERA; CONFLICT; ANT	48	21	12.5
740	NEURONAL NICOTINIC ACETYLCHOLINE-RECEPTORS; NICOTINIC ACETYLCHOLINE-RECEPTORS; NICOTINE; SYNTHESIS; NICOTINIC ANALGESIC	48	46	8.3
1126	BIOSYNTHESIS; TAXOL BIOSYNTHESIS; ISOPRENOID BIOSYNTHESIS; TERPENOID BIOSYNTHESIS; JAPANESE YEW TAXUS-CUSPIDATA	44	50	4.5
540	13-GABA-A RECEPTOR SUBUNIT MESSENGER-RNAS; GABA%A< RECEPTOR SUBUNIT; ALCOHOL RECEPTOR; GABA%A< RECEPTOR CHANNELS; RECOMBINANT GABA%A< RECEPTOR	43	42	7.0
1351	EXPRESSION; AQUAPORIN-2 WATER CHANNEL EXPRESSION; WATER CHANNELS; WATER; MOLECULAR-CLONING	43	51	2.3
869	ACTION; RIBOSOME-INACTIVATING PROTEINS; ANTIVIRAL PROTEIN; PLANTS; HIV	41	34	7.3
53	CONCENTRATED SUSPENSIONS; ANIONIC SURFACTANT; MICELLES; ENTANGLED POLYMERS; SUSPENSIONS	37	14	18.9
1431	HEPATITIS-C VIRUS; HEPATITIS-C VIRUS POLYPROTEIN; HEPATITIS-C VIRUS QUASI-SPECIES; HEPATITIS-C VIRUS CORRELATES; HEPATITIS-C VIRUS ENCODES	37	35	2.7
123	PHOTOSYNTHETIC REACTION-CENTER; REACTION CENTERS; RHODOBACTER-SPHAEROIDES; PHOTOSYNTHETIC REACTION CENTERS; RHODOBACTER-SPHAEROIDES R-26	34	26	2.9
1347	**EPITHELIAL SODIUM-CHANNEL; EPITHELIAL NA+ CHANNEL; EPITHELIAL AMILORIDE-SENSITIVE NA+ CHANNEL; EPITHELIAL NA CHANNEL; EPITHELIAL NA+ CHANNEL %ENAC<**	**33**	**52**	**42.4**
1244	NITRIC-OXIDE; INDUCIBLE NITRIC-OXIDE SYNTHASE; ENDOTHELIAL NITRIC-OXIDE SYNTHASE; NEURONAL NITRIC-OXIDE SYNTHASE; NITRIC-OXIDE SYNTHASE IS	33	21	3.0
652	PULSED ELECTRIC-FIELDS; CARDIAC TISSUE; BIDOMAIN MODEL; INACTIVATION; MICROORGANISMS	33	21	3.0
406	WEAR; POLYETHYLENE; POLYETHYLENE WEAR; ULTRA-HIGH-MOLECULAR-WEIGHT POLYETHYLENE; ULTRAHIGH-MOLECULAR-WEIGHT POLYETHYLENE	32	44	9.4
395	MECHANISM; DNA; STRUCTURE; DNA TOPOISOMERASE-II; DNA TRANSPORT	31	42	3.2
1171	SEROTONIN; NOVEL SEROTONIN RECEPTOR; EXPRESSION; RAT-BRAIN; SEROTONIN RECEPTOR MESSENGER-RNAS	29	38	10.3
1594	BACTERIORHODOPSIN; BACTERIORHODOPSIN FILMS; BACTERIORHODOPSIN SCHIFF-BASE; BACTERIORHODOPSIN REVEALED; BACTERIORHODOPSIN PARTICIPATION	28	32	7.1
1968	LEPTIN; OBESITY; HYPOTHALAMUS; MOLECULAR-CLONING; RECEPTOR	27	59	3.7
820	EXPRESSION; STRUCTURE; PRODUCTION; LUXR-LUXI FAMILY; PATHOGENESIS	26	27	3.8
630	DIATOMS; CANONICAL CORRESPONDENCE-ANALYSIS; MARINE DIATOMS; ANALYSIS; RECONSTRUCTION	26	19	3.8
992	ANGIOGENESIS; ANGIOSTATIN; THROMBOSPONDIN; EXPRESSION; THROMBOSPONDIN-1	25	60	8.0
1006	MESSENGER-RNA; MICE; PLASMINOGEN GENE; LIGNEOUS CONJUNCTIVITIS; NEURONAL DEATH	24	38	12.5
1125	2ND-HARMONIC GENERATION; LANGMUIR-BLODGETT-FILMS; OPTICAL 2ND-HARMONIC GENERATION; IMPROVED 2ND-HARMONIC GENERATION; STRONG 2ND-HARMONIC GENERATION	22	23	4.5

Nr.	Forschungsfront	K	I	CH%
1528	STRUCTURE; THROMBIN; HUMAN THROMBIN; NEW THROMBIN INHIBITORS; FACTOR XA INHIBITORS	21	48	19.0
1296	MYCOBACTERIUM-TUBERCULOSIS; ISONIAZID; MUTATIONS; ISONIAZID RESISTANCE; MUTATIONS ASSOCIATED	21	48	9.5
387	CYANOBACTERIA; CURACIN-A; EFFECTS; CYANOBACTERIUM LYNGBYA-MAJUSCULA; TOXIC CYANOBACTERIA	21	29	4.8
1145	LIPOXYGENASES; PROTEIN HYDROLYSATES; FUNCTION; HYDROPEROXIDE LYASE; LIPOXYGENASE PATHWAY	21	10	4.8
373	**STRUCTURE; ESCHERICHIA-COLI; OUTER-MEMBRANE; PORIN; OUTER-MEMBRANE PORINS**	**18**	**50**	**22.2**
246	ALUMINUM; AL; PRIMARY SPACING SELECTION; DENDRITIC; CELLULAR DENDRITIC ARRAY GROWTH SPACING	17	18	11.8
779	P53-DEFICIENT MICE; MUTATED P53 GENE; P53 GENE DOSAGE; P53 GERMLINE MUTATIONS; TRANSGENIC MOUSE BIOASSAYS	16	12	6.3
71	METALLOTHIONEIN; METALLOTHIONEIN-I; METALLOTHIONEIN I-LOCI; METALLOTHIONEINS; METALLOTHIONEIN GENE FAMILY	15	7	13.3
1321	VENEZUELAN EQUINE ENCEPHALITIS-VIRUS; EPIDEMIC VENEZUELAN EQUINE ENCEPHALOMYELITIS; RECOMBINANT VIRUS; SEMLIKI FOREST VIRUS EXPRESSION SYSTEM; EPIDEMIC VENEZUELAN EQUINE ENCEPHALITIS	15	27	6.7
531	PDGF; PLATELET-DERIVED GROWTH-FACTOR; PLATELET-DERIVED GROWTH-FACTOR LIGAND; ARTERIAL INJURY; PLATELET-DERIVED GROWTH-FACTOR SIGNAL-TRANSDUCTION PATHWAY	15	13	6.7
514	TISSUE TRANSGLUTAMINASE; TRANSGLUTAMINASES; TRANSGLUTAMINASE HUMAN BLOOD-COAGULATION FACTOR-XIII; TRANSGLUTAMINASE ACTION; TRANSGLUTAMINASE ACTIVITY	15	13	6.7
27	MODEL; MOTION; PERCEPTION; 2-DIMENSIONAL MOTION PERCEPTION; ATTENTION-BASED MOTION PERCEPTION	15	7	6.7
2329	CHEMOKINE EXPRESSED; HUMAN CXC CHEMOKINE EXPRESSED; NOVEL HUMAN CC CHEMOKINE EBI1-LIGAND CHEMOKINE THAT IS; B-CELL-HOMING CHEMOKINE MADE; NOVEL T-CELL-DIRECTED CC CHEMOKINE EXPRESSED	14	100	14.3
713	PROPOLIS; ANTIVIRAL ACTIVITY; ANTIVIRAL AGENTS ANTIVIRAL ACTIVITY; BRAZILIAN PROPOLIS; ANTIVIRAL DRUGS	14	0	14.3
1260	UREA INCLUSION-COMPOUNDS; MOLECULAR-SIEVE HOSTS; UREA; POLAR INCLUSION-COMPOUNDS; THIOUREA INCLUSION-COMPOUNDS	13	31	15.4
1293	CD14; LIPOPOLYSACCHARIDE; SOLUBLE CD14; LIPOPOLYSACCHARIDE %LPS<; LIPOPOLYSACCHARIDE-BINDING PROTEIN	13	31	7.7
1577	POLYMORPHISM; HUMAN TUMOR-NECROSIS-FACTOR-ALPHA PROMOTER; HUMAN MONONUCLEAR-CELLS; DNA-SEQUENCE POLYMORPHISM; NCOI POLYMORPHISM	13	15	7.7
1815	**FULLERENES; EXPERIMENT; PREPARATION; C59N; NITROGEN**	**12**	**33**	**33.3**
707	DEVELOPMENT; ANDROCTONUS-AUSTRALIS SCORPION NEUROTOXINS STRUCTURES; SCORPION BUTHUS-MARTENSII KARSCH; SCORPION CENTRUROIDES-NOXIUS HOFFMANN; RECOMBINANT BACULOVIRUS EXPRESSING	12	33	8.3
1016	KIN RECOGNITION; MAJOR HISTOCOMPATIBILITY COMPLEX; CHEMOSENSORY RECOGNITION; MATING PATTERNS; MHC GENOTYPE	12	25	8.3
804	SYNTAX; STRUCTURE; OBJECT POSITIONS; THEORY; OBJECT SHIFT	12	17	8.3
274	PHAGE; PEPTIDES; PHAGE LIBRARY; FILAMENTOUS PHAGE; PHAGE DISPLAY	12	8	8.3
959	METEORITES; INTERSTELLAR GRAINS; GRAPHITE; INTERSTELLAR GRAPHITE; PRESOLAR GRAPHITE	11	27	18.2
1269	**CHLAMYDOMONAS-REINHARDTII; CHLOROPLAST; CHLOROPLAST TRANSFORMATION; CHLAMYDOMONAS; CHLAMYDOMONAS-REINHARDTII DNA**	**10**	**20**	**30.0**
279	ENZYMATIC HYDROLYSATE; CASEIN; ANGIOTENSIN I-CONVERTING ENZYME-INHIBITORS DERIVED; MILK-PROTEINS; ANTIHYPERTENSIVE PEPTIDES DERIVED	10	40	10.0

Nr.	Forschungsfront	K	I	CH%
1650	SUPERPLASTIC BEHAVIOR; SUPERPLASTICITY; INFLUENCE; TETRAGONAL ZIRCONIA POLYCRYSTALS; SUPERPLASTIC FLOW	10	10	10.0
788	WATER-IN-OIL MICROEMULSIONS; OIL MICROEMULSIONS; OIL-CONTINUOUS MICROEMULSIONS; WATER-IN-OIL MICROEMULSIONS EFFECTS; MATERIAL BETWEEN DROPLETS	10	10	10.0
1320	CHOLECYSTOKININ; REGULATION; PANCREATIC-SECRETION; CHOLECYSTOKININ %CCK-8<; EXOCRINE PANCREATIC FUNCTION	10	0	10.0
1582	**SUBCLINICAL MASTITIS; PREVALENCE; EWES; ETIOLOGY; EFFECT**	**9**	**44**	**22.2**
1239	**TUMOR-NECROSIS-FACTOR RECEPTORS; TUMOR-NECROSIS-FACTOR IS; 75-KDA TUMOR-NECROSIS-FACTOR RECEPTOR; 2 TNF RECEPTORS; TNF**	**9**	**0**	**22.2**
1134	CORRELATION SATELLITES; PHOTOELECTRON-SPECTRA; SINGLY IONIZED LANTHANIDE ATOMS; SINGLY IONIZED XENON XE-II; RARE-GAS ATOMS	9	44	11.1
826	TISSUE ENGINEERING; USE; CARTILAGE TISSUE ENGINEERING; TISSUE ENGINEERING SCAFFOLDS USING SUPERSTRUCTURES; BIODEGRADABLE POLYMER SCAFFOLDS	9	33	11.1
1363	S100 FAMILY; PROTEIN FAMILY; S100 PROTEIN FAMILY; S100 CALCIUM-BINDING PROTEIN FAMILY; S100 PROTEIN FAMILY HISTORY FUNCTION	7	14	28.6
1124	STRENGTH; MECHANICAL ALLOYING; MICROSTRUCTURE; ASSOCIATED STRENGTH; DEFORMATION	7	14	28.6
475	COLLOIDAL TIO2; SIZE EFFECTS; SMALL-PARTICLE TIO2 SIZE QUANTIZATION EFFECTS; COLLOIDAL ANATASE TIO2 PARTICLES SIZE QUANTIZATION OR DIRECT TRANSITIONS; TIO2 COLLOIDAL SOLS %PARTICLE SIZES R%P<#1.0-13.4 NM< RELEVANCE	7	0	28.6
793	NOT GLUCOPRIVIC FEEDING; RATS; INITIATE FEEDING; LIPOPRIVIC; HEPATIC PORTAL INFUSION	7	0	14.3
1984	DIAMOND; CARBON ONIONS; CARBON ONIONS PRODUCED; ONION-LIKE CARBON; GRAPHITIC ONIONS	6	50	33.3
704	IGA SUBCLASSES; NEISSERIA-GONORRHOEAE IGA PROTEASE; PRESERVING; PATHOGENESIS CRITICAL-EVALUATION; IGA1 PROTEASES	6	50	33.3
391	BEHAVIOR; PREDATION; PARASITIZED; FISH PREDATION; PREDATION RISK	6	33	16.7
733	ACCULTURATION; SUBSTANCE USE; SUBSTANCE USE DISORDERS; PATTERNS; DRINKING PATTERNS AMONG UNITED-STATES HISPANICS	6	17	16.7
135	PROTEINS; PROTEIN MOTIONS OBSERVED; MOLECULAR-DYNAMICS; CROSS-CORRELATION ANALYSIS; COVARIANCE ANALYSIS	6	17	16.7
538	PRECIPITATION HARDENING; L12 ORDERED ALLOYS; ITS ALLOYS; ORDERED GAMMA-$-PARTICLES; TEM OBSERVATION	6	0	16.7
541	ADENOSINE; HIPPOCAMPUS; RAT HIPPOCAMPUS; PRESYNAPTIC; RAT HIPPOCAMPUS INVITRO	5	20	20.0
2106	EPITHELIAL M-CELL GATEWAYS; MUCOSAL IMMUNE-RESPONSES; MUCOSAL INFECTION; ANTIGEN SAMPLING ACROSS EPITHELIAL BARRIERS; HUMAN ENTEROCYTES INTO M-CELL THAT TRANSPORT BACTERIA	4	75	75.0
1889	MITOCHONDRIAL CREATINE-KINASE; CREATINE-KINASE ISOENZYMES; STRUCTURE; INTRACELLULAR COMPARTMENTATION STRUCTURE; METABOLIC COMPARTMENTATION	4	25	75.0
2204	LACTIC-ACID BACTERIA; SPECIFIC HUMORAL IMMUNE-RESPONSE; ROLE; PROBIOTICS; MODULATION	4	25	50.0
1503	FLOW-SHOP SEQUENCING PROBLEM; N/M/CMAX FLOWSHOP PROBLEM; SIMULATED ANNEALING; SIMULATED ANNEALING ALGORITHM; NEW HEURISTIC METHOD	4	0	50.0
1444	AMORPHOUS COPPER-ZIRCONIUM ALLOY; AMORPHOUS METAL-ALLOYS; AMORPHOUS ALLOY CATALYSIS DEHYDROGENATION; AMORPHOUS CU61ZR39 ALLOY PRECURSORS; NEW CATALYTIC MATERIALS	4	25	25.0

Nr.	Forschungsfront	K	I	CH%
35	ASSAYS; SUPEROXIDE-DISMUTASE ASSAYS; CATALASE INVITRO; BLOOD-PLASMA OR SERUM; ASSAY	4	0	25.0
2111	CONTROLLED DRUG-DELIVERY; NANOPARTICLES CURRENT POSSIBILITIES; DRUG-LOADED NANOPARTICLES PREPARATION METHODS; SOLID LIPID NANOPARTICLES %SLN<; ALTERNATIVE COLLOIDAL CARRIER SYSTEM	4	0	25.0
1840	TRIPLET-SENSITIZED; THERMAL-ISOMERIZATION; T1 STATE; QUANTUM YIELD; NMR-SPECTROSCOPY	4	0	25.0
2257	PROTEIN MODELING; COMPARATIVE PROTEIN MODELING; AUTOMATED COMPARATIVE PROTEIN MODELING; SWISS-MODEL; SWISS-MODEL INTERNET-BASED TOOLS	3	67	100.0
2028	VIABLE SELF-REPRODUCING UNIVERSAL COMPUTER; TURING MACHINE; TOWARD; SIMPLE SYSTEMS THAT EXHIBIT SELF-DIRECTED REPLICATION; SELF-REPRODUCTION PROPERTIES	3	67	66.7
1932	ADULT RESPIRATORY-DISTRESS SYNDROME; PATIENTS; ADULT RESPIRATORY-DISTRESS SYNDROME AFTER TRAUMA SHOCK OR SEPSIS; ARE ASSOCIATED; ELEVATED LEVELS	3	0	66.7
1254	INFLAMMATION; HEAT-SHOCK PROTEINS; HEAT-SHOCK RESPONSE REDUCES MORTALITY-RATE; ROLE; PROTECTIVE EFFECTS	3	0	66.7
1849	POLYMERASE CHAIN-REACTION; IN-SITU POLYMERASE CHAIN-REACTION; DIRECT INSITU POLYMERASE CHAIN-REACTION; DETECTION; TISSUE-SECTIONS DETECTION	3	0	66.7
2352	MOUSE DENDRITIC CELLS; DENDRITIC CELLS; MATURATION STAGES; ORIGIN MATURATION; GROWTH FACTOR-DEPENDENT LONG-TERM CULTURES	3	100	33.3
2290	SKIN COMPATIBILITY; TEST GUIDELINES; HUMAN PATCH TEST; SKIN IRRITATION POTENTIAL; REPORT	3	67	33.3
2260	TIGHT REGULATION; TIGHT REGULATION MODULATION; PLASMIDS CONTAINING; ARABAD PROMOTER; VECTORS CONTAINING	3	67	33.3
2067	ACTIVATION; ESTROGEN-RECEPTOR THROUGH PHOSPHORYLATION; PHOSPHORYLATION STATE; DIRECT PHOSPHORYLATION; UNLIGANDED ESTROGEN-RECEPTOR	3	33	33.3
2103	APOPTOTIC PHOTORECEPTOR CELL-DEATH; PHOTORECEPTOR DEATH; C-FOS PREVENTS LIGHT-INDUCED APOPTOTIC CELL-DEATH; RETINITIS-PIGMENTOSA; RETINAL DEGENERATION IN-VIVO	3	33	33.3
1393	BIOLOGICAL-CONTROL; INSECT HERBIVORES; INTRODUCED INSECT HERBIVORES; PURPLE LOOSESTRIFE; POTENTIAL IMPACT	3	33	33.3
2036	DIFFERENTIAL ATTACK; INTERPOLATION ATTACK; DIFFERENTIAL CRYPTANALYSIS; BLOCK CIPHERS; MARKOV CIPHERS	3	33	33.3
2061	GOOD MANUFACTURING PRACTICE; GMP GOOD MODELING PRACTICE; PARSIMONY PRINCIPLE APPLIED; MULTIVARIATE CALIBRATION; IMPORTANCE	3	33	33.3
2148	INTERLEUKIN-6-DEFICIENT MICE; INTERLEUKIN 6-DEFICIENT MICE; IMMUNOSUPPRESSIVE MEDIATORS; IL-6; DEFECTIVE INFLAMMATORY RESPONSE	3	33	33.3
1573	LARGE-SCALE SUBAQUEOUS BEDFORMS; OLD PROBLEM SEPM BEDFORMS; SOCIETY; PALUSTRINE CARBONATES; OVERVIEW	3	33	33.3
1624	SCHEDULING; SCHEDULING PARALLEL MACHINES ONLINE; ONLINE APPROXIMATION ALGORITHMS; RELEASE DATES; MIXED INTEGER-PROGRAM	3	33	33.3
1408	TAU-DECAY; TAU%-<-*PI%-<PI%-<PI%+<NU%TAU<; PIONS; NU%TAU<-HELICITY; MEASUREMENT	3	33	33.3
554	TRABECULAR BONE-STRUCTURE; HIGH-RESOLUTION COMPUTED-TOMOGRAPHY IMAGES; HIGH-RESOLUTION CT IMAGES; 3-DIMENSIONAL TRABECULAR MICROSTRUCTURE; CANCELLOUS BONE-STRUCTURE ANALYSIS	3	33	33.3
1149	ALPHA-TOCOPHEROL; FLUOROMETRIC ASSAY; CONCURRENT LIQUID-CHROMATOGRAPHIC ASSAY; RETINOL ALPHA-TOCOPHEROL BETA-CAROTENE ALPHA-CAROTENE LYCOPENE; TOCOPHEROL ACETATE	3	0	33.3

Nr.	Forschungsfront	K	I	CH%
2233	AUTOIMMUNE DEMYELINATION; PHOSPHODIESTERASE %PDE<-IV INHIBITORS; CAMP-SPECIFIC PHOSPHODIESTERASE INHIBITOR; PREVENTS AUTOIMMUNE ENCEPHALOMYELITIS; NONHUMAN-PRIMATES	3	0	33.3
1743	CHEMSAGE; SYNTHETIC OTAVITE CDCO3%S<; SOLUBILITY-PRODUCT CONSTANT; NEW OPTIMIZATION ROUTINE; COMPUTER-PROGRAM	3	0	33.3
2075	CHONDROCYTES; GROWTH-PLATE CHONDROCYTES; LONGITUDINAL BONE-GROWTH; METAPHYSIS DURING BONE-GROWTH; MINERALIZATION-RELATED GENES	3	0	33.3
861	DETECTION; ANTIBODIES; FOOT-AND-MOUTH-DISEASE VIRUS; ANTIBODIES AGAINST FOOT-AND-MOUTH-DISEASE VIRUS DEVELOPMENT; RAPID DETECTION	3	0	33.3
1709	GOOD RANDOM NUMBER GENERATORS; PSEUDORANDOM NUMBER GENERATORS; PORTABLE HIGH-QUALITY RANDOM NUMBER GENERATOR; LATTICE FIELD-THEORY SIMULATIONS; MONTE-CARLO SIMULATIONS HIDDEN ERRORS	3	0	33.3
1028	HUMAN AUDITORY-CORTEX; HUMAN AUDITORY-CORTEX REVEALED; SIMULTANEOUS MAGNETIC; ONSETS; OFFSETS	3	0	33.3
986	LAMININ ANATOMY; LAMININ MEDIATING CELL ATTACHMENT CHEMOTAXIS; SYNTHETIC LAMININ PENTAPEPTIDE INHIBITS EXPERIMENTAL METASTASIS FORMATION; STRUCTURE; RECEPTOR-BINDING	3	0	33.3
1475	PUTATIVE RNA HELICASES; RNA GENOMES; PUTATIVE HELICASES INVOLVED; DEAD BOX RNA HELICASE; MUTATIONAL ANALYSIS	3	0	33.3
1895	QUALITY FACTOR; PRESSURE; MICROMACHINED SILICON BEAM RESONATORS; METHOD; GEOMETRY	3	0	33.3
497	RAT; RAT HEAD; PRIMARY SENSORY NEURONS; SENSORY GANGLIA; RAT SHOWING CALCITONIN GENE-RELATED PEPTIDE IMMUNOREACTIVITY	3	0	33.3
681	REVERSE MICELLES; REVERSED MICELLES; SURFACTANTS; SMALL MOLECULES; PROTEINS	3	0	33.3
1651	RIVER WATER; KINETIC-STUDIES; SNOW; METAL COMPLEXATION; LEAD SPECIATION	3	0	33.3
1543	SCHEME; METHOD; CSF-BASED MULTIREFERENCE COUPLED PAIR APPROXIMATION; CSF BASED COUPLED PAIR APPROXIMATION; MULTIREFERENCE SINGLY	3	0	33.3
1652	SIMULATED ANNEALING; IMPROVED ANNEALING SCHEME; ROBUST TABOO SEARCH; QUADRATIC ASSIGNMENT PROBLEM; QAP	3	0	33.3
1435	SLEEP; SLEEP REGULATION; FEVER REGULATION; INTERLEUKIN-1 ALTERS RAT SLEEP TEMPORAL; ENDOGENOUS SLEEP-PROMOTING SUBSTANCES	3	0	33.3
1241	SUPERCOILED DNA; SUPERCOILED DNA CHANGE DURING COUNTERION-INDUCED TRANSITION; TIGHTLY INTERWOUND SUPERHELIX POSSIBLE IMPLICATIONS; THERMODYNAMIC PROPERTIES; SELF-AVOIDING WALKS	3	0	33.3
828	SUPERCONDUCTIVITY; POSSIBLE HIGH-TC SUPERCONDUCTIVITY; BA-LA-CU-O SYSTEM; NEW MIXED-PHASE Y-BA-CU-O COMPOUND SYSTEM; COPPER OXIDES	3	0	33.3
2325	ROCK-LIKE FUEL; ZIRCONIA BASED FUEL MATERIAL UNDER XE IRRADIATION; ONCE-THROUGH CYCLE; LWRS; BEHAVIOR	2	100	100.0
1478	FATS; OILS; EDIBLE OILS; ONLINE LC-GC; MINOR COMPONENTS	2	0	100.0
2105	MICROSTRUCTURE SELECTION MAP; RAPIDLY SOLIDIFIED AL-CU ALLOYS CALCULATION; RAPIDLY SOLIDIFIED AL-CU ALLOYS EXPERIMENTAL-DETERMINATION	2	0	100.0
1323	SOMATIC; POSITIVE NEGATIVE OR INCONCLUSIVE RESULT; GERM-CELLS; GENOTOXICITY; DROSOPHILA-MELANOGASTER	2	0	100.0
2004	INTESTINAL EPITHELIAL PROLIFERATION; DIFFERENTIATING INTESTINAL EPITHELIAL-CELL ESTABLISHMENT; MAINTENANCE; FUNCTIONS THROUGH INTERACTIONS BETWEEN CELLULAR STRUCTURES; FEW ANSWERS MANY QUESTIONS	2	0	50.0

Nr.	Forschungsfront	K	I	CH%
312	MONTE-CARLO PROGRAMS; MONTE-CARLO SIMULATION; SPIN EFFECTS; SIMULATE DECAYS; PROCESS INCLUDING RADIATIVE OMICRON%ALPHA-3< QED CORRECTIONS MASS	2	0	50.0
1859	XENOBIOTIC COMPOUNDS; TOLUENE; TOL PLASMIDS DETERMINANTS; MOLECULAR MECHANISMS; GENETIC ADAPTATION	2	0	50.0

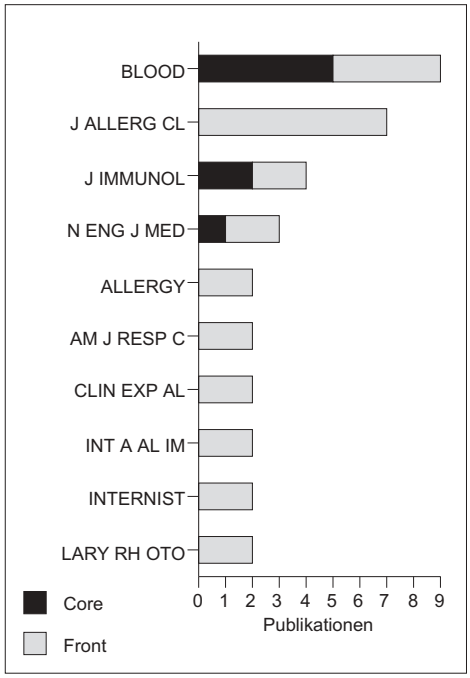
4 Detaildokumentationen für die 150 ausgewählten Forschungsfronten

CH-Cluster 9: Idiopathic Hypereosinophilic Syndrome; Hypereosinophilic Syndrome; Apoptosis; Expansion; Interleukin-5

13 Kernpublikationen / 49 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

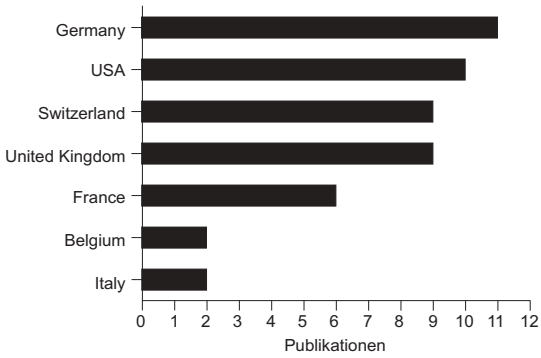


Akteure (Forschungsfront)

Institutionen

5 Univ Zurich, Switzerland
3 Hannover Med Univ, Germany
3 Inst Pasteur, France
3 Univ Munster, Germany
2 Glenfield Gen Hosp, United Kingdom
2 Ohio State Univ, USA
2 Tech Univ Munich, Germany
2 Univ Aberdeen, United Kingdom
2 Univ Edinburgh, United Kingdom
2 Univ Leicester, United Kingdom
2 Univ Munich, Germany
2 Univ Texas, USA
(und weitere 51 Institutionen)

Länder



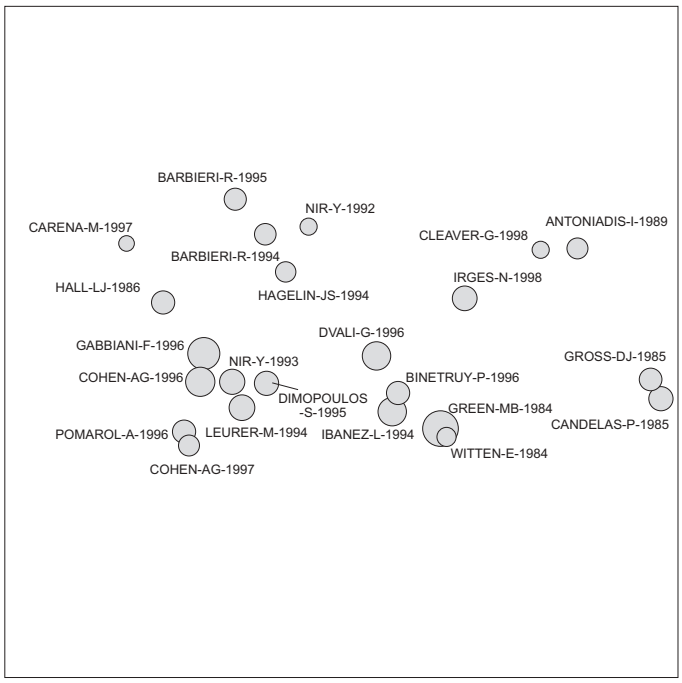
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Giembycz MA, Lindsay MA
Pharmacology of the eosinophil
6 Simon HU, Plotz SG, Dummer R, Blaser K
Abnormal clones of T cells producing interleukin-5 in idiopathic eosinophilia
5 Roufosse F, Schandene L, Sibille C, Kennes B, Efira A, Cogan E, Goldman M
T-cell receptor-independent activation of clonal Th2 cells associated with chronic hypereosinophilia

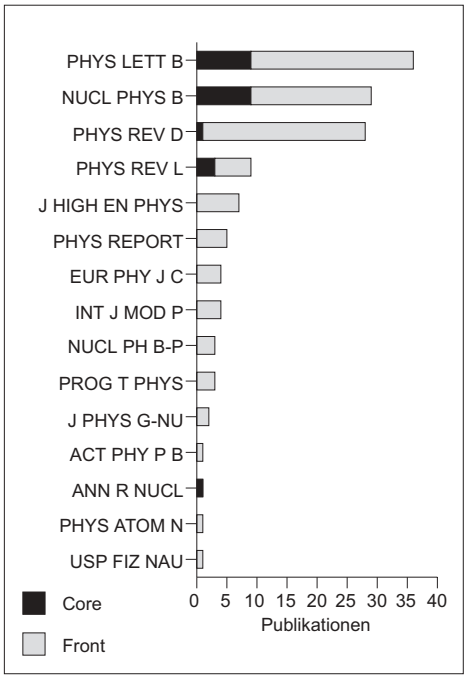
CH-Cluster 26: Anomalous U(1); Supersymmetric Models; Supersymmetric Theories; Supersymmetric Unification; Anomalous U(1) Model

23 Kernpublikationen / 111 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

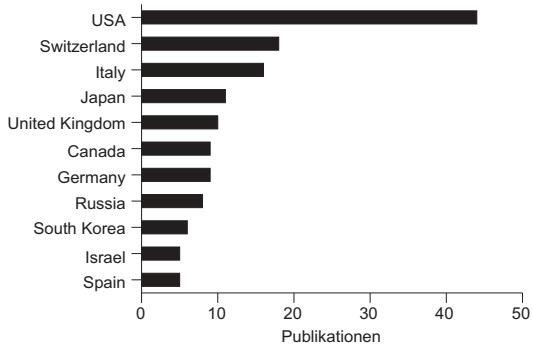


Akteure (Forschungsfront)

Institutionen

17 CERN, Switzerland
11 Ist Nazl Fis Nucl, Italy
6 Kyoto Univ, Japan
6 Univ Penn, USA
5 Korea Adv Inst Sci & Technol, South Korea
5 Texas A&M Univ, USA
5 Univ Calif Berkeley, USA
5 Univ Maryland, USA
5 Weizmann Inst Sci, Israel
(und 100 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Barenboim G, Raidal M
Supersymmetry and CP violating asymmetries in B-d,B-s decays

11 Randall L, Su SF
CP-violating lepton asymmetries from B decays and their implication for supersymmetric flavor models

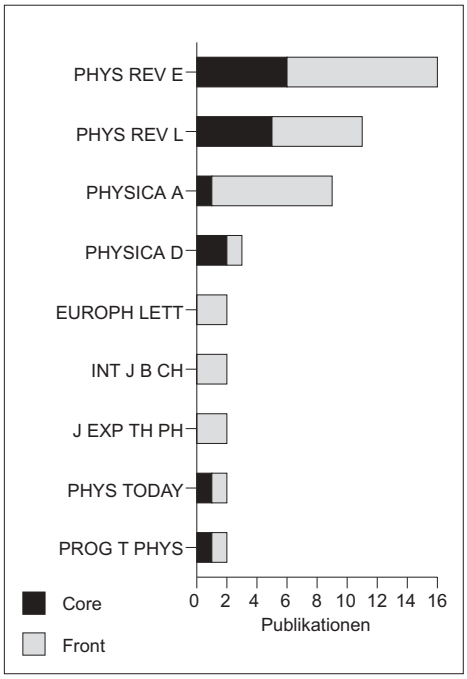
10 Kurosawa K, Maekawa N
Anomalous U(1) gauge symmetry and lepton flavor violation

CH-Cluster 76: Anomalous Diffusion; Fractional Diffusion; Levy Flights; Intermittent Chaotic Systems; Anomalous Diffusion Due

21 Kernpublikationen / 51 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

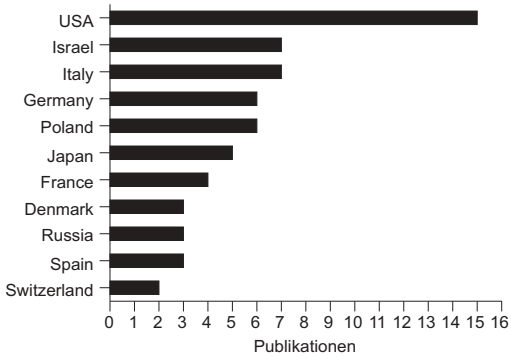


Akteure (Forschungsfront)

Institutionen

7 Tel Aviv Univ, Israel
3 CNR, Italy
3 Univ N Texas, USA
3 Univ Warsaw, Poland
(und 66 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

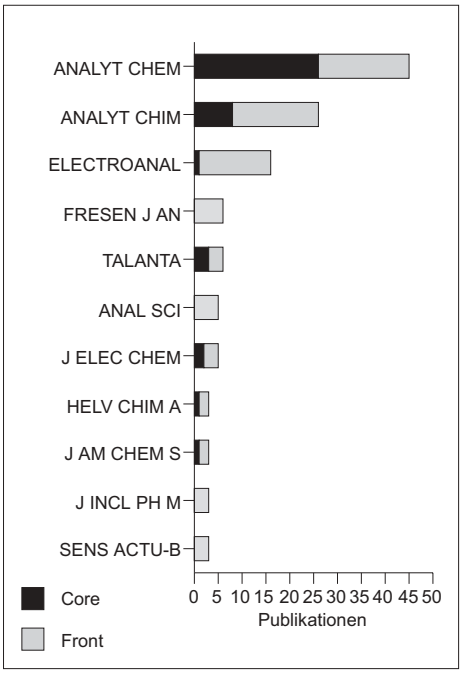
8 Metzler R, Barkai E, Klafter J
Anomalous transport in disordered systems under the influence of external fields
7 Metzler R, Compte A
Stochastic foundation of normal and anomalous Cattaneo-type transport
7 Metzler R, Barkai E, Klafter J
Anomalous diffusion and relaxation close to thermal equilibrium: A fractional Fokker-Planck equation approach

CH-Cluster 82: Selectivity; Carrier-Based Ion-Selective Electrodes; Ion-Selective Electrode; Ion-Selective Electrodes; Ion-Sselective Electrodes Based

48 Kernpublikationen / 107 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

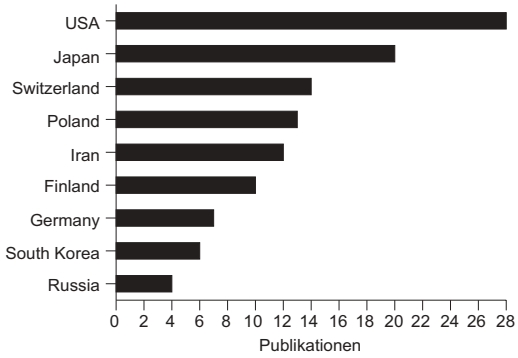


Akteure (Forschungsfront)

Institutionen

13 Auburn Univ, USA
13 ETH Zurich, Switzerland
10 Abo Akad Univ, Finland
9 Univ Tokyo, Japan
6 Razi Univ, Iran
6 Stanislaw Staszic Univ Min & Met, Poland
5 Univ Esfahan, Iran
5 Univ Michigan, USA
4 Kwangwoon Univ, South Korea
4 Shiraz Univ, Iran
4 Univ Teheran, Iran
(und weitere 80 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

30 Bakker E, Buhlmann P, Pretsch E
Polymer membrane ion-selective electrodes - What are the limits

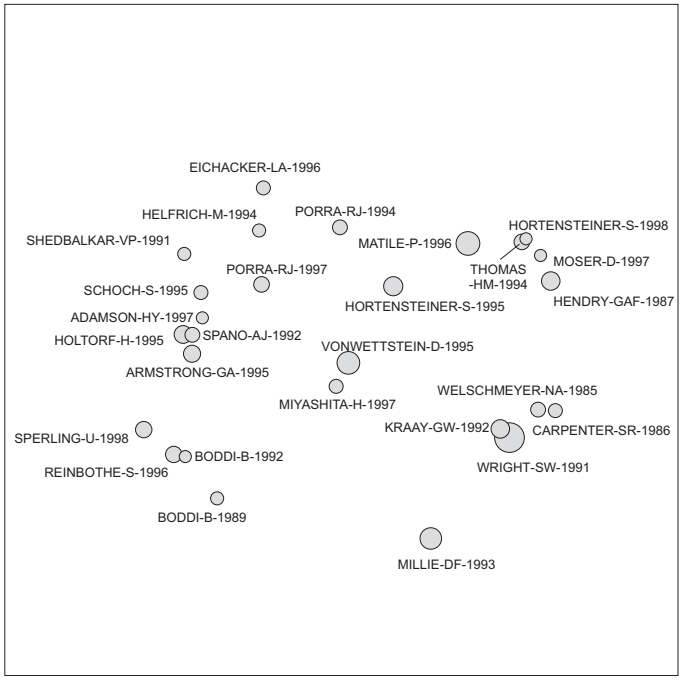
25 Antonisse MMG, Reinhoudt DN
Potentiometric anion selective sensors

11 Amemiya S, Buhlmann P, Umezawa Y, Jagessar RC, Burns DH
An ion-selective electrode for acetate based an a urea- functionalized porphyrin as a hydrogen-bonding ionophore

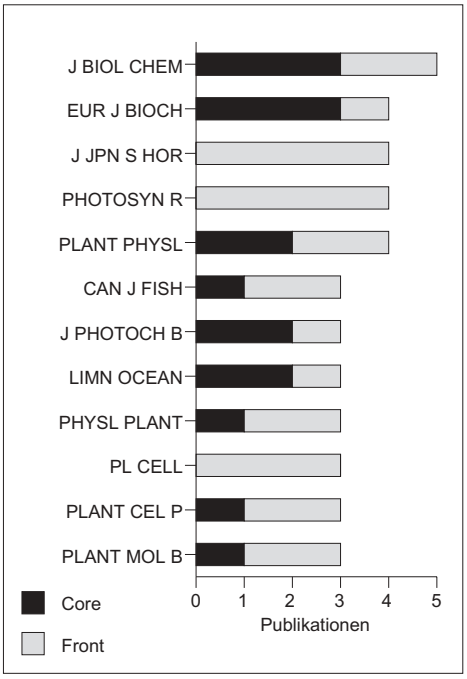
CH-Cluster 116: Chlorophyll Breakdown; Chlorophyll Biosynthesis; Chlorophyll; Identification

27 Kernpublikationen / 60 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

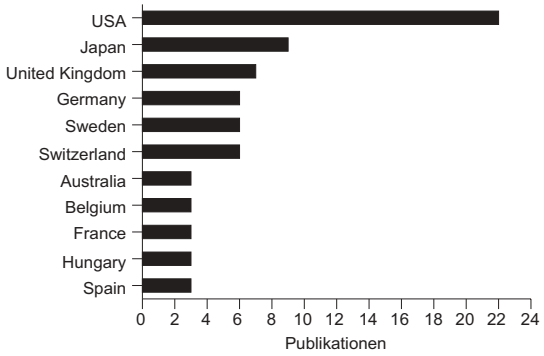


Akteure (Forschungsfront)

Institutionen

6 Univ Munich, Germany
6 Univ Virginia, USA
5 Miyazaki Univ, Japan
5 Univ Zurich, Switzerland
4 Univ Gothenburg, Sweden
3 Inst Grassland & Environm Res, United Kingdom
3 Lorand Eotvos Univ, Hungary
3 Univ Shizuoka, Japan
3 Univ Wisconsin, USA
(und 64 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Klement H, Helfrich M, Oster U, Schoch S, Rudiger W
Pigment-free NADPH : protochlorophyllide oxidoreductase from Avena sativa L - Purification and substrate specificity

10 Lebedev N, Timko MP
Protochlorophyllide photoreduction

7 Hortensteiner S
Chlorophyll breakdown in higher plants and algae

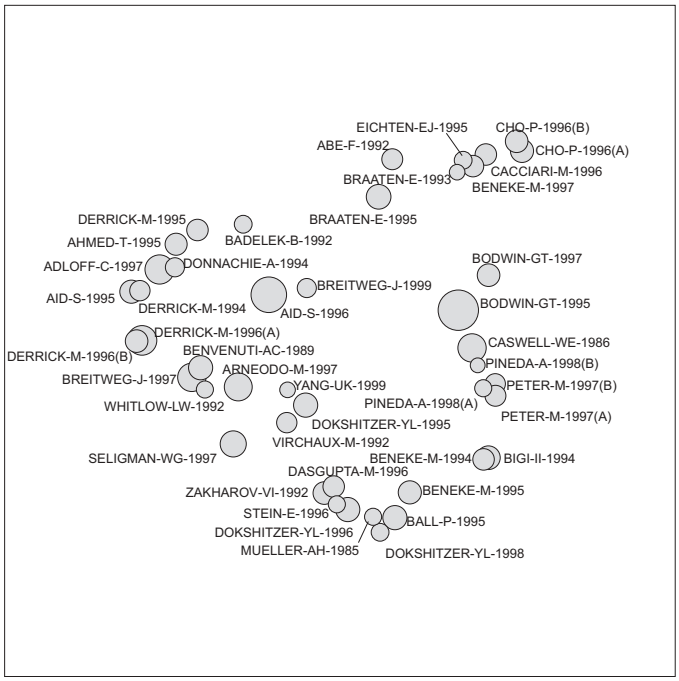
7 Louda JW, Li J, Liu L, Winfree MN, Baker EW
Chlorophyll-a degradation during cellular senescence and death

7 Matile P, Hortensteiner S
Chlorophyll degradation

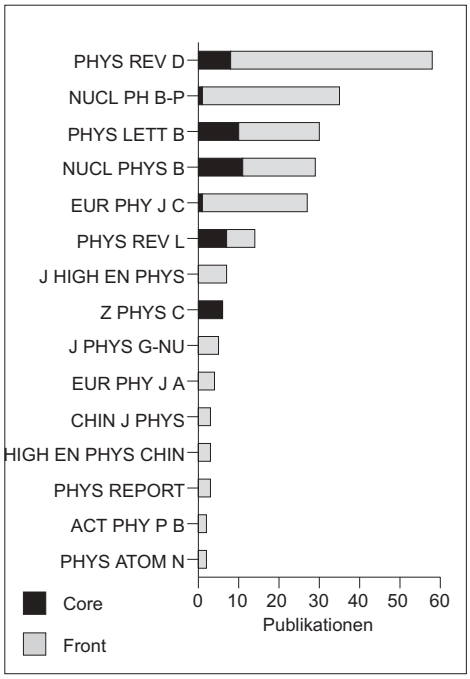
CH-Cluster 125: Measurement; Hera; Proton; Qcd; Proton Structure-Function F2

44 Kernpublikationen / 199 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

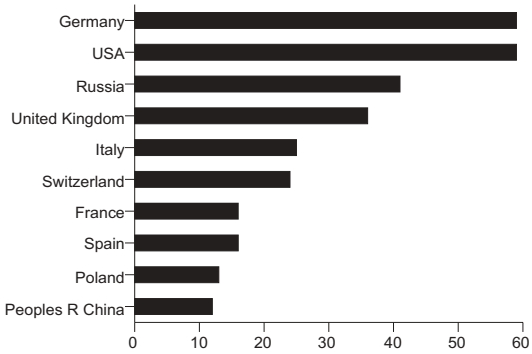


Akteure (Forschungsfront)

Institutionen

22 CERN, Switzerland
19 DESY, Germany
17 Ist Nazl Fis Nucl, Italy
11 Tel Aviv Univ, Israel
11 Univ Hamburg, Germany
9 Univ Cambridge, United Kingdom
9 Univ Durham, United Kingdom
9 Univ Karlsruhe, Germany
9 Univ Toronto, Canada
(und 295 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

14 Beneke M
Renormalons

12 Breitweg J, Chekanov S, Derrick M, Krakauer D, Magill S, Mikunas D, Musgrave B, Repond J ...
ZEUS results on the measurement and phenomenology of F-2 at low x and low Q(2)

12 Desgrolard P, Jenkovszky L, Paccanoni F
Interpolating between soft and hard dynamics in deep inelastic scattering

12 Kuhlen M
QCD at HERA - The hadronic final state in deep inelastic scattering

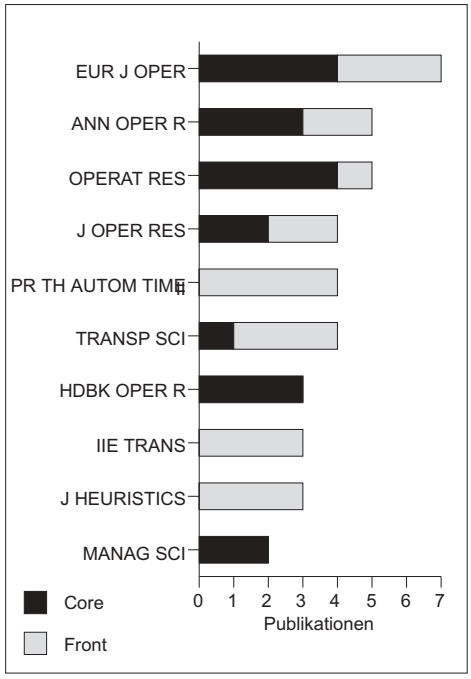
11 Webber BR
QCD power corrections from a simple model for the running coupling

CH-Cluster 128: Vehicle-Routing Problem; Vehicle-Routing; Time Windows; Overview; Approximate Algorithms

22 Kernpublikationen / 39 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

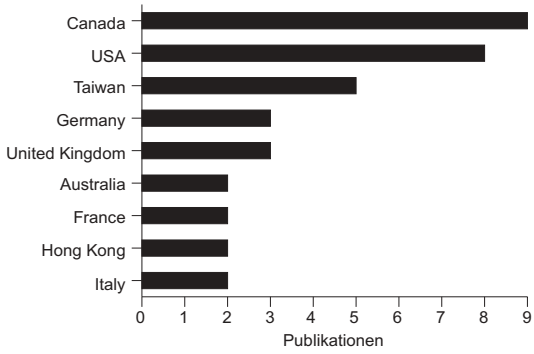


Akteure (Forschungsfront)

Institutionen

4 Natl Chiao Tung Univ, Taiwan
4 Univ Montreal, Canada
3 Ecole Hautes Etud Commerciales, Canada
2 Ecole Polytech, Canada
2 Gerad, Canada
2 Les Enterprises GIRO Inc, Canada
2 St Johns & St Marys Inst Technol, Taiwan
2 Univ Udine, Italy
(und 48 weitere Institutuionen)

Länder



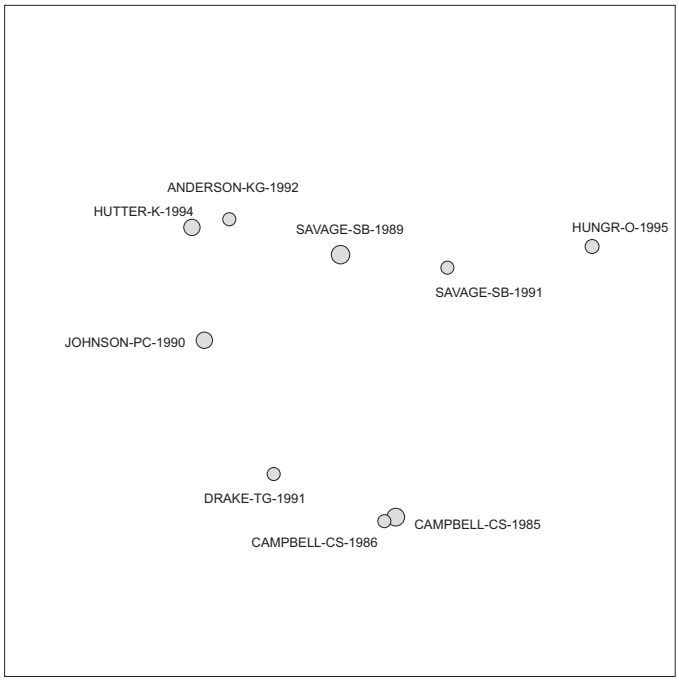
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Schulze J, Fahle T
A parallel algorithm for the vehicle routing problem with time window constraints
6 Liu FHF, Shen SY
A route-neighborhood-based metaheuristic for vehicle routing problem with time windows
5 Baker BM, Sheasby J
Extensions to the generalised assignment heuristic for vehicle routing
5 Hong SC, Park YB
A heuristic for bi-objective vehicle routing with time window constraints
5 Kohl N, Desrosiers J, Madsen OBG, Solomon MM, Soumis F
2-path cuts for the vehicle routing problem with time windows

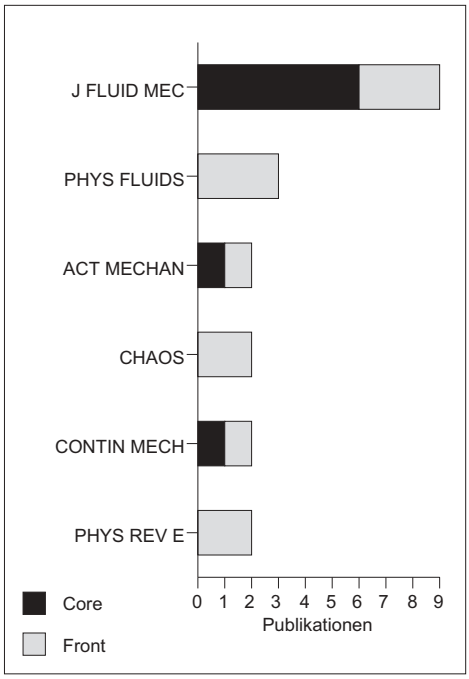
CH-Cluster 154: Motion; Granular-Materials; Flows; Avalanches; Runout Analysis

9 Kernpublikationen / 24 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

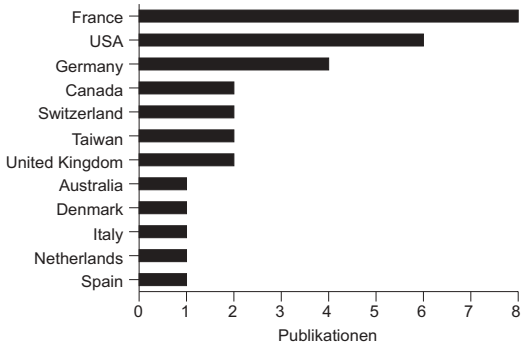


Akteure (Forschungsfront)

Institutionen

2 CEMAGREF, France
2 Cornell Univ, USA
2 Ecole Polytech, France
2 IUSTI, France
2 McGill Univ, Canada
2 Tech Univ Darmstadt, Germany
(und weitere 23 Institutionen)

Länder



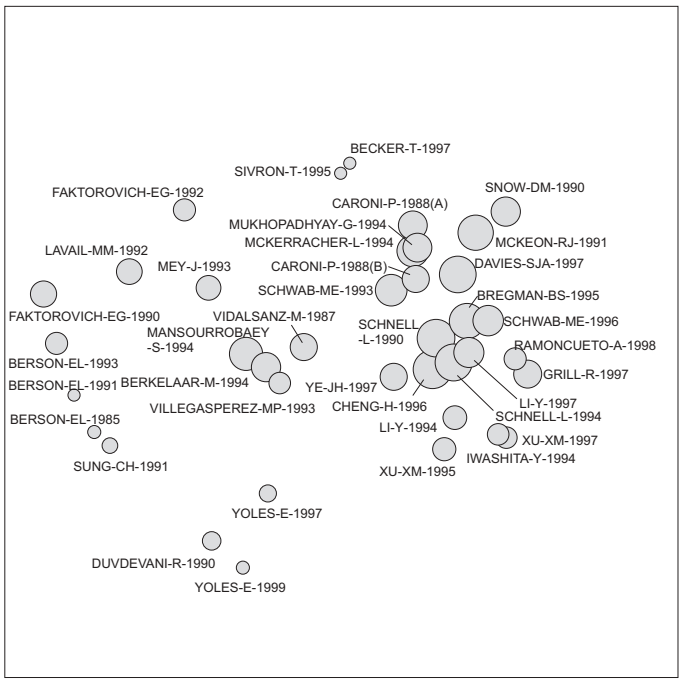
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Chou CS
Interface between fluid- and solid-like behaviour in rapid granular flows down bumpy inclines
4 Azanza E, Chevoir F, Moucheront P
Experimental study of collisional granular flows down an inclined plane
4 Pouliquen O
Scaling laws in granular flows down rough inclined planes
3 Bartelt P, Salm B, Gruber U
Calculating dense-snow avalanche runout using a Voellmy-fluid model with active/passive longitudinal straining
3 Zhang D, Foda MA
Internal wave - granular temperature interaction: an energy balance study on granular flow

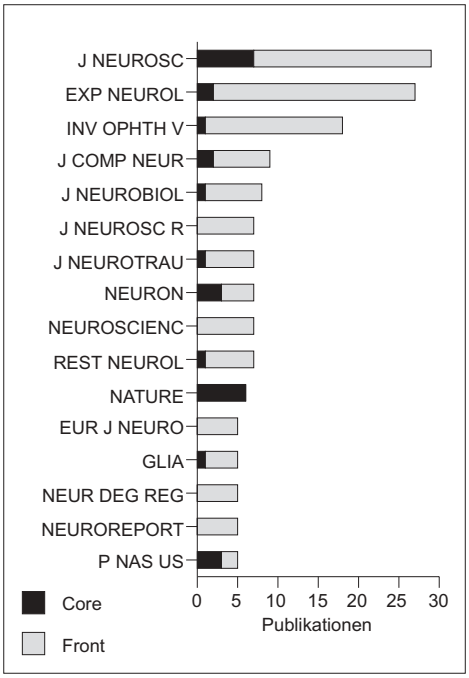
CH-Cluster 158: Regeneration; Axonal Regeneration; Rat; Neurite Growth; Retinal Ganglion-Cells

38 Kernpublikationen / 227 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

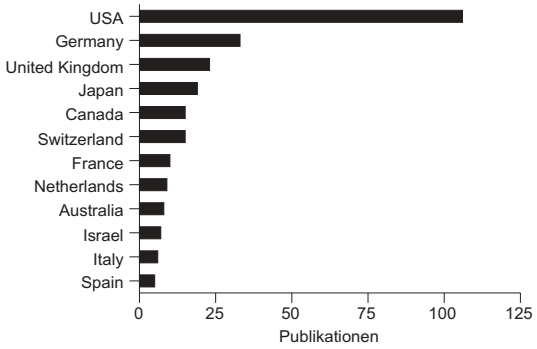


Akteure (Forschungsfront)

Institutionen

9 Harvard Univ, USA
8 Univ Cambridge, United Kingdom
7 Swiss Fed Inst Technol, Switzerland
7 Univ Zurich, Switzerland
6 Kyoto Univ, Japan
6 Univ Calif San Diego, USA
6 Univ Tubingen, Germany
6 Univ Wisconsin, USA
6 Weizmann Inst Sci, Israel
(und 214 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

12 Fawcett JW, Asher RA
The glial scar and central nervous system repair

12 Lehmann M, Fournier A, Selles-Navarro I, Dergham P, Sebok A, Leclerc N, Tigyi G, McKerracher L
Inactivation of Rho signaling pathway promotes CNS axon regeneration

12 Liu Y, Kim DH, Himes BT, Chow SY, Schallert T, Murray M, Tessler A, Fischer I
Transplants of fibroblasts genetically modified to express BDNF promote regeneration of adult rat rubrospinal axons and recovery of forelimb function

12 Lu J, Waite P
Advances in spinal cord regeneration

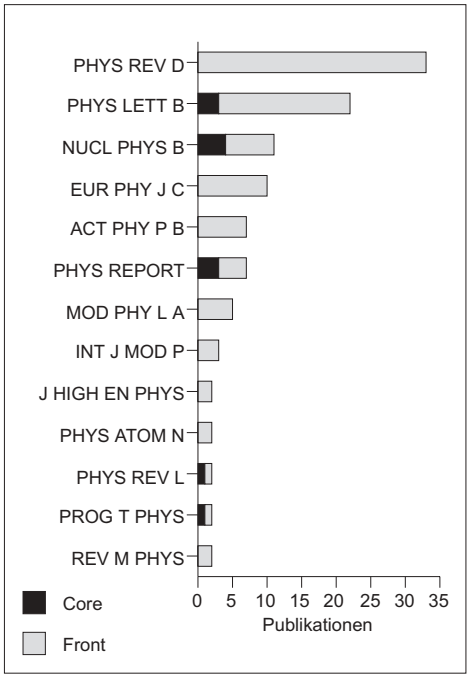
11 Jeffery ND, Blakemore WF
Spinal cord injury in small animals 2. Current and future options for therapy

CH-Cluster 174: Standard Model; Minimal Supersymmetric Standard Model; Minimal Supersymmetric Model; Supersymmetric Higgs Bosons; Supersymmetric Higgs Boson Masses

15 Kernpublikationen / 100 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

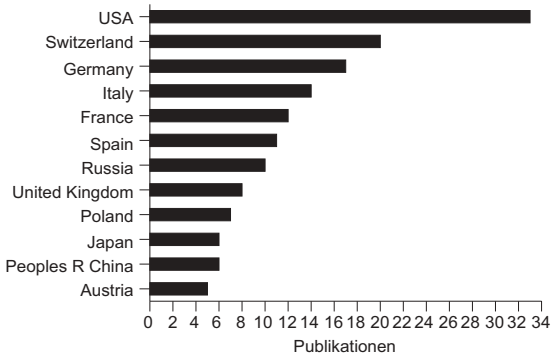


Akteure (Forschungsfront)

Institutionen

18 CERN, Switzerland
10 Ist Nazl Fis Nucl, Italy
10 Univ Karlsruhe, Germany
9 Fermi Natl Accelerator Lab, USA
8 DESY, Germany
6 Univ Montpellier 2, France
5 Acad Sinica, Peoples R China
5 CCAST, Peoples R China
5 Joint Inst Nucl Res, Russia
5 Rutherford Appleton Lab, United Kingdom
5 Univ Wisconsin, USA
(und 267 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

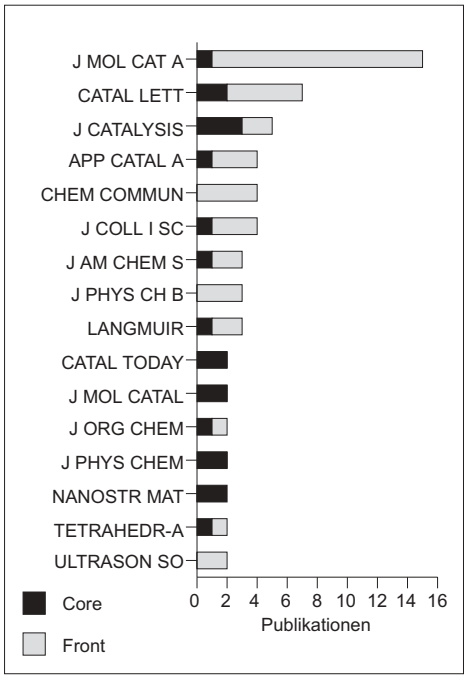
10 Demir DA
Additional phases induced by the supersymmetric CP phases - art. no. 095007
9 Carena M, Culbertson R, Frisch H, Eno S, Mrenna S
Searches for supersymmetric particles at the Tevatron collider
9 Demir DA
Effects of the supersymmetric phases on the neutral Higgs sector - art. no. 055006
9 Heinemeyer S, Hollik W, Weiglein G
The masses of the neutral CP-even Higgs bosons in the MSSM: Accurate analysis at the two-loop level

CH-Cluster 188: Enantioselective Hydrogenation; Asymmetric Hydrogenation; Selective Hydrogenation; Hydrogenation; Cinchona Alkaloids

23 Kernpublikationen / 62 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

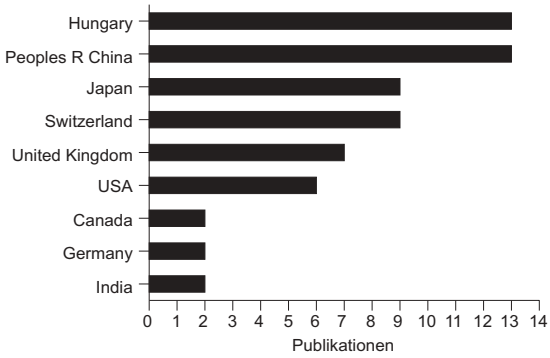


Akteure (Forschungsfront)

Institutionen

13 Chinese Acad Sci, Peoples R China
9 Attila Jozsef Univ, Hungary
8 ETH Zentrum, Switzerland
6 Hungarian Acad Sci, Hungary
3 Sci Univ Tokyo, Japan
2 Case Western Reserve Univ, USA
2 Univ Hull, United Kingdom
2 Univ Laval, Canada
2 Univ Tokyo, Japan
2 Univ Wales Coll Cardiff, United Kingdom
(und 35 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

12 Zuo XB, Liu HF, Guo DW, Yang XZ
Enantioselective hydrogenation of pyruvates over polymer- stabilized and supported platinum nanoclusters

11 Zuo XB, Liu HF, Yue C
Enantioselective hydrogenation of methyl pyruvate over polymer- stabilized and supported iridium clusters

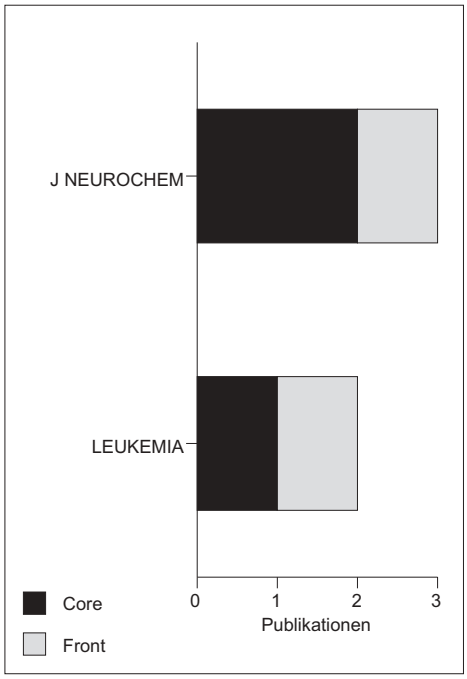
7 Bartok M, Felfoldi K, Szollosi G, Bartok T
Rigid cinchona conformers in enantioselective catalytic reactions: new cinchona-modified platinum catalysts in the Orito reaction

CH-Cluster 209: Aminopeptidase Activity; Human Puromycin-sensitive Aminopeptidase; Aminopeptidase-N IS; Enkephalin-Degrading Aminopeptidase; Puromycin-Sensitive Aminopeptidase Sequence-Analysis Expression

8 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

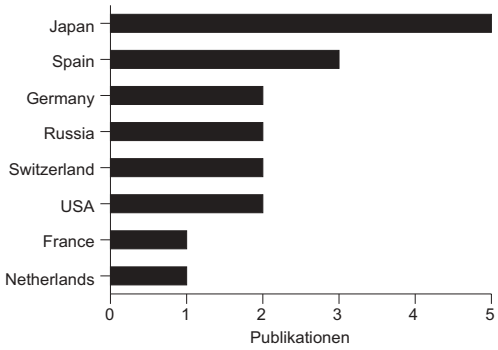


Akteure (Forschungsfront)

Institutionen

2 Univ Jaen, Spain
2 Univ Tokyo, Japan
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

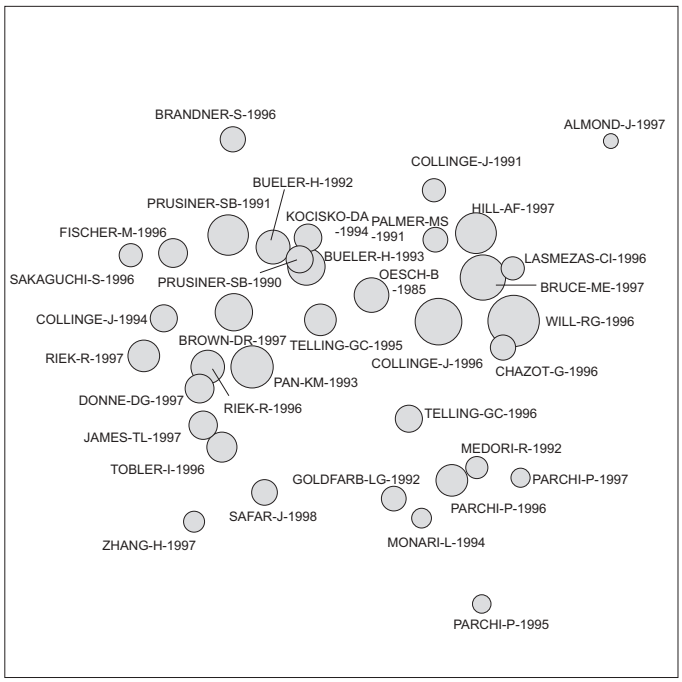
4 Hattori A, Matsumoto H, Mizutani S, Tsujimoto M
Molecular cloning of adipocyte-derived leucine aminopeptidase highly related to placental leucine aminopeptidase oxytocinase

4 Riemann D, Kehlen A, Langner J
CD13 - not just a marker in leukemia typing

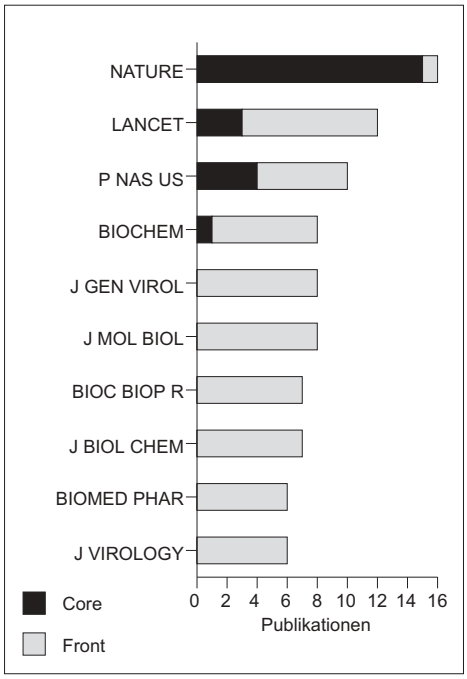
CH-Cluster 225: Protease-Resistant Prion Protein; Prion Protein; Fatal Familial Insomnia; Recombinant Prion Protein; Prion Protein Gene

36 Kernpublikationen / 252 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

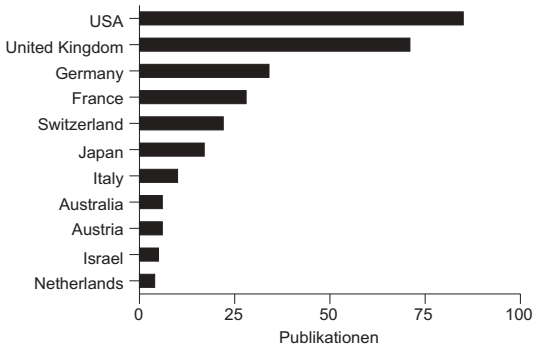


Akteure (Forschungsfront)

Institutionen

15 Univ Calif San Francisco, USA
12 Case Western Reserve Univ, USA
12 Univ Gottingen, Germany
12 Western Gen Hosp, United Kingdom
11 St Marys Hosp, United Kingdom
10 Univ Zurich, Switzerland
9 Inst Anim Hlth, United Kingdom
9 Univ Cambridge, United Kingdom
8 Univ Oxford, United Kingdom
8 Washington Univ, USA
7 Univ Edinburgh, United Kingdom
(und 286 weitere Institutionen)

Länder



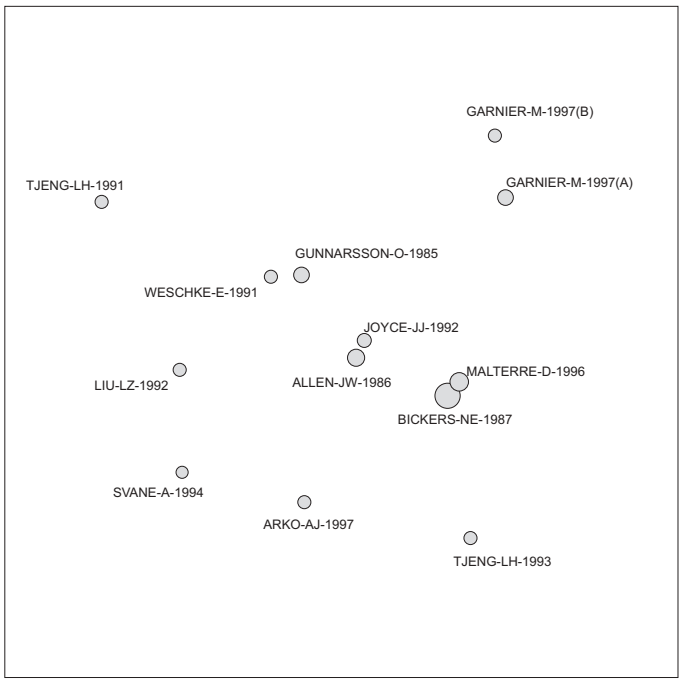
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

21 Harris DA
Cellular biology of prion diseases
20 Mastrianni JA
The prion diseases: Creutzfeldt-Jakob, Gerstmann-Straussler- Scheinker, and related disorders
19 Wadsworth JDF, Jackson GS, Hill AF, Collinge J
Molecular biology of prion propagation
18 Safer J, Prusiner SB
Molecular studies of prion diseases
15 Turner ML, Ironside JW
New-variant Creutzfeldt-Jakob disease: the risk of transmission by blood transfusion

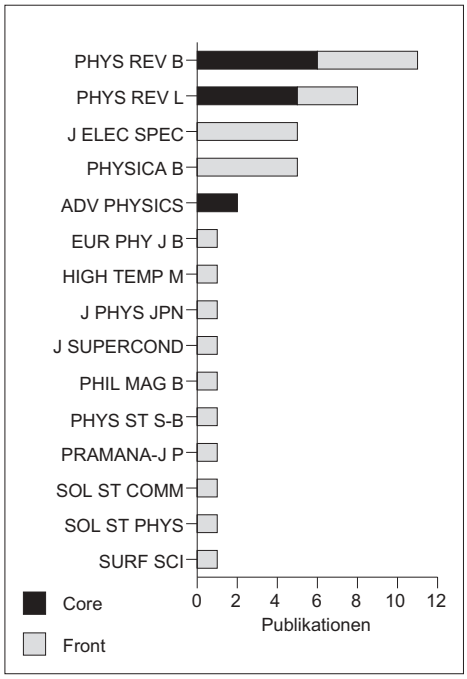
CH-Cluster 227: Cerium; Electronic-Structure; Ce; Kondo Model; Ce Compounds

12 Kernpublikationen / 38 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

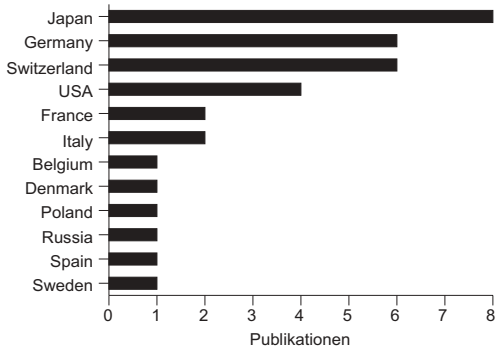


Akteure (Forschungsfront)

Institutionen

6 Tohoku Univ, Japan
3 Hiroshima Univ, Japan
3 Osaka Univ, Japan
3 Univ Neuchatel, Switzerland
2 Florida State Univ, USA
2 Japan Atom Energy Res Inst, Japan
2 Niigata Univ, Japan
2 Univ Calif Los Alamos Natl Lab, USA
2 Univ Lausanne, Switzerland
2 Univ Paris Sud, France
2 Univ Tokyo, Japan
(und weitere 32 Institutionen)

Länder



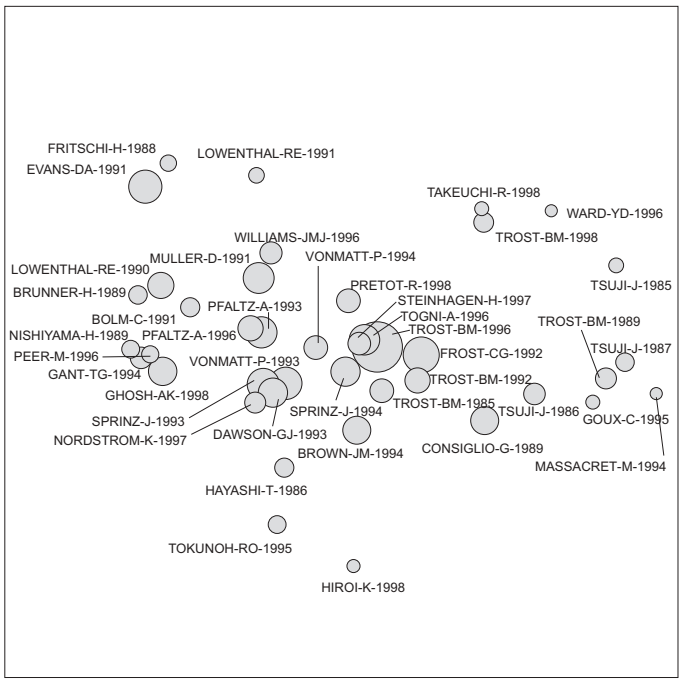
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Nikolaev AV, Michel KH
Quantum charge density fluctuations and the gamma-alpha phase transition in Ce
5 Fecher GH, Schmied B, Schonhense G
Temperature-dependent ARUPS from the heavy fermion compound CeNi2Ge2(001)
5 Joyce JJ, Arko AJ, Sarrao JL, Graham KS, Fisk Z, Riseborough PS
Photoemission from YbInCu4: testing the single impurity model
5 Kim HD, Kumigashira H, Yang SH, Takahashi T, Aoki H, Suzuki T, Chiaia G, Tjernberg O, Nylen H, Lindau I, Ochiai A
Surface and bulk 4f photoemission spectra of CeIr2

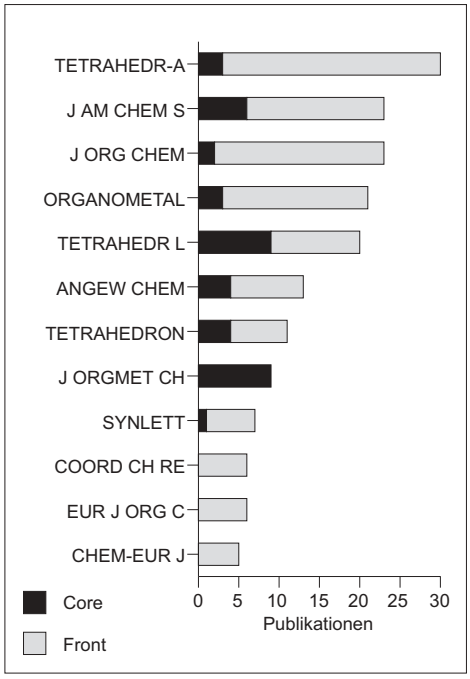
CH-Cluster 241: Chiral Ligands; Asymmetric Catalysis; Ligands; Catalysis; Palladium Complexes

41 Kernpublikationen / 192 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

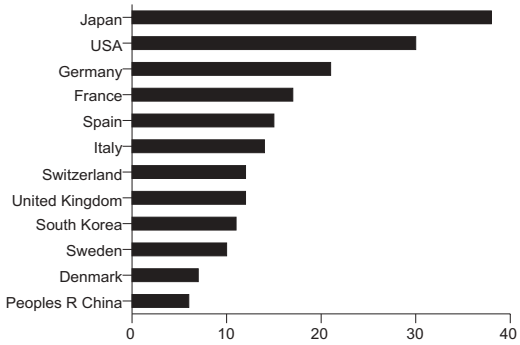


Akteure (Forschungsfront)

Institutionen

9 Stanford Univ, USA
8 Kyoto Univ, Japan
6 Royal Inst Technol, Sweden
6 Univ Heidelberg, Germany
6 Univ Sassari, Italy
5 Max Planck Inst Kohlenforsch, Germany
5 Univ Autonoma Barcelona, Spain
5 Univ Barcelona, Spain
5 Univ Lyon 1, France
(und 147 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

19 Lee S, Lim CW, Song CE, Kim KM, Jun CH
C-2-symmetric bisphosphinobioxazoline as a chiral ligand. Highly enantioselective palladium-catalyzed allylic substitutions and formation of P,N,N,P tetradentate palladium (II) complexes

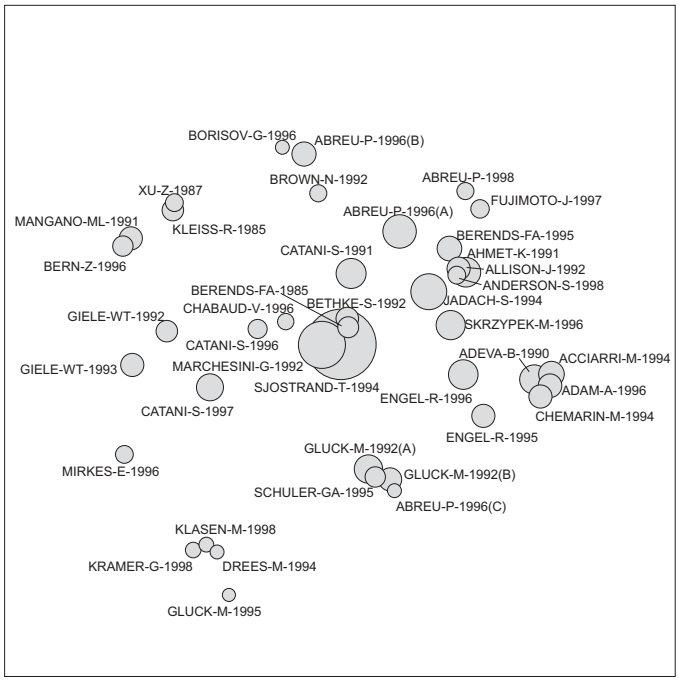
17 Pfaltz A
From corrin chemistry to asymmetric catalysis - A personal account

15 Gomez M, Muller G, Rocamora M
Coordination chemistry of oxazoline ligands

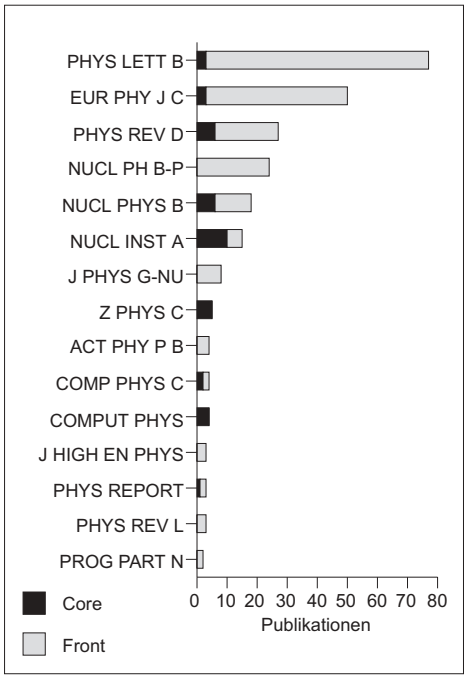
CH-Cluster 244: Jet Cross-Sections; Next-To-Leading Order Qcd; Delphi Detector; Next-To-Leading Order; L3 Experiment

41 Kernpublikationen / 213 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

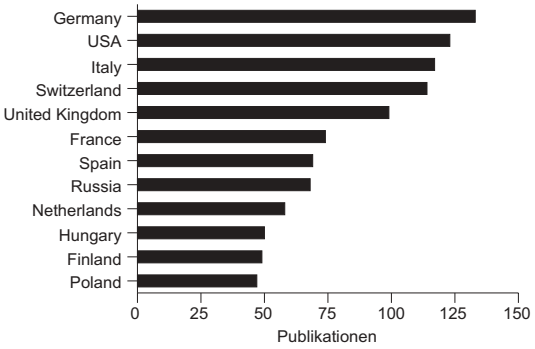


Akteure (Forschungsfront)

Institutionen

13 Auburn Univ, USA
13 ETH Zurich, Switzerland
10 Abo Akad Univ, Finland
9 Univ Tokyo, Japan
6 Razi Univ, Iran
6 Stanislaw Staszic Univ Min & Met, Poland
5 Univ Esfahan, Iran
5 Univ Michigan, USA
(und 396 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

14 Abbiendi G, Ackerstaff K, Alexander G, Allison J, Altekamp N, Anderson KJ, Anderson S, Arcelli S ...
W+W- production and triple gauge boson couplings at LEP energies up to 183 GeV

12 Abbiendi G, Ackerstaff K, Alexander G, Allison J, Altekamp N, Anderson KJ, Anderson S, Arcelli S ...
Measurement of the W mass and width in e(+)e(-) collisions at 183 GeV

12 Abbiendi G, Ackerstaff K, Alexander G, Allison J, Altekamp N, Anderson KJ, Anderson S, Arcelli S ...
Search for Higgs bosons in e(+)e(-) collisions at 183 GeV

12 Acciarri M, Achard P, Adriani O, Aguilar-Benitez M, Alcaraz J, Alemanmi G, Allaby J, Aloisio A ...
Measurement of mass and width of the W boson at LEP

12 Acciarri M, Achard P, Adriani O, Aguilar-Benitez M, Alcaraz J, Alemanni G, Allaby J, Aloisio A ...
Study of Z boson pair production in e(+)e(-) collisions at LEP at root s=189 GeV

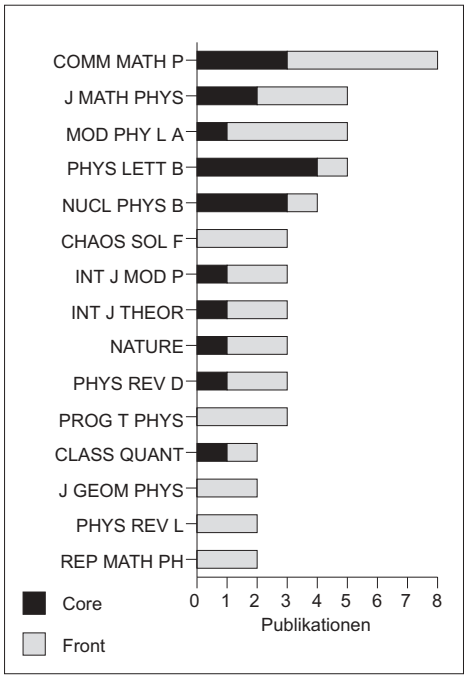
12 Acciarri M, Achard P, Adriani O, Aguilar-Benitez M, Alcaraz J, Alemanni G, Allaby J, Aloisio A ...
The Q(2) evolution of the hadronic photon structure function F- 2(gamma) at LEP

CH-Cluster 283: Noncommutative Geometry; Quantum-Gravity; Noncommutative Differential Geometry; Spacetime; Quantum-Gravity Detectors

21 Kernpublikationen / 45 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

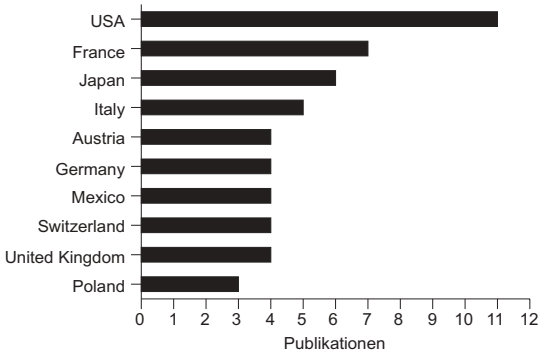


Akteure (Forschungsfront)

Institutionen

4 Univ Vienna, Austria
3 Graz Tech Univ, Austria
3 Ist Nazl Fis Nucl, Italy
3 Penn State Univ, USA
(und 51 weitere Institutionen)

Länder



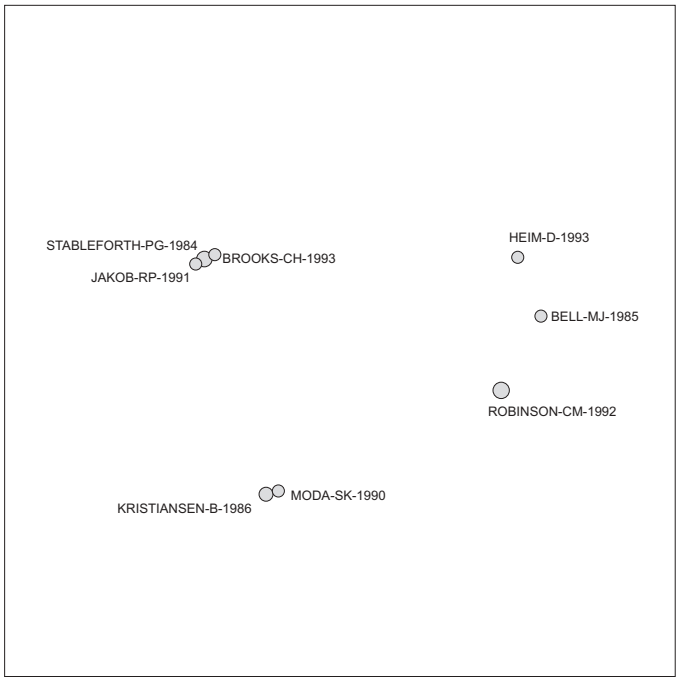
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Grosse H, Reiter G
The fuzzy supersphere
6 Adler RJ, Santiago DI
On gravity and the uncertainty principle
6 Ahluwalia DV
Nonlocality and gravity-induced CP violation
6 Mavromatos NE, Szabo RJ
Matrix D-brane dynamics, logarithmic operators, and quantization of noncommutative spacetime - art. no. 104018
6 Scardigli F
Generalized uncertainty principle in quantum gravity from micro-black hole gedanken experiment

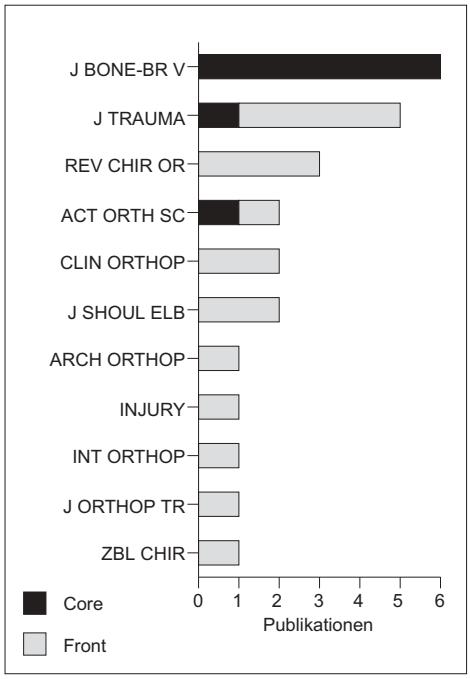
CH-Cluster 284: Proximal Humeral Fractures; Humeral Shaft Fractures; Humeral Shaft Fractures Experience; 4-Part Fractures; Plating Humeral Shaft Fractures

8 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

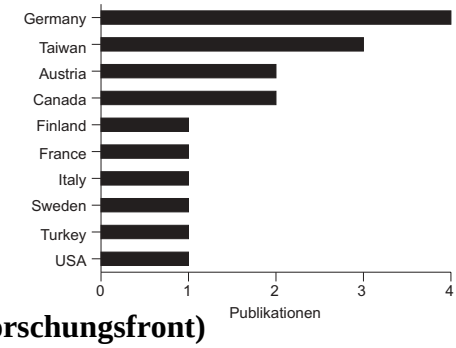


Akteure (Forschungsfront)

Institutionen

3 Natl Taiwan Univ Hosp, Taiwan

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

3 Bosch U, Skutek M, Fremerey RW, Tscherne H
Outcome after primary and secondary hemiarthroplasty in elderly patients with fractures of the proximal humerus

3 Hoffmann R, Khodadadyan C, Raschke M, Melcher I, Maitino PD, Haas NP
Retrograde intramedullary wire-fixation of proximal humerus fractures in the elderly. Results of a prospectively documented study

3 Ilchmann T, Ochsner PE, Wingstrand H, Jonsson K
Non-operative treatment versus tension-band osteosynthesis in three- and four-part proximal humeral fractures - A retrospective study of 34 fractures from two different trauma centers

3 Instrum K, Fennell C, Shrive N, Damson E, Sonnabend D, Hollinshead R
Semitubular blade plate fixation in proximal humeral fractures: A biomechanical study in a cadaveric model

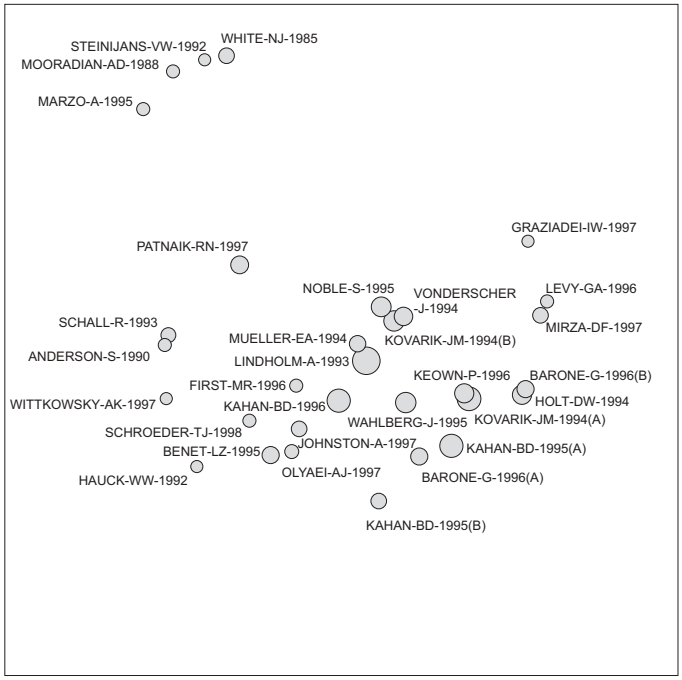
3 Lin J, Hou SM
Antegrade locked nailing for humeral shaft fractures

3 Lin J, Hou SM, Hang YS
Locked nailing for displaced surgical neck fractures of the humerus

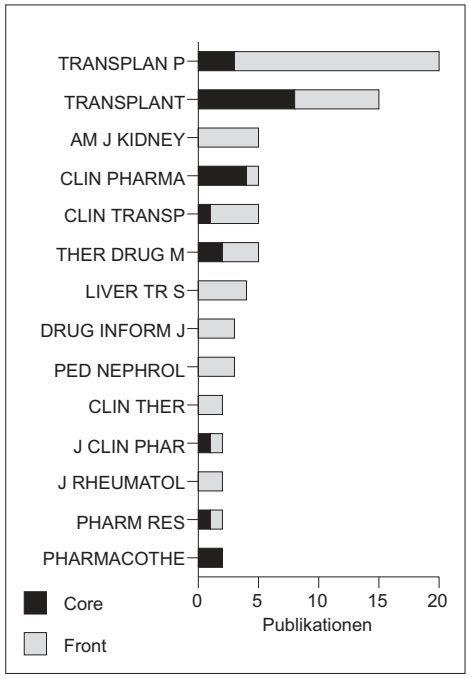
CH-Cluster 313: Cyclosporine; Cyclosporine Pharmacokinetics; Microemulsion Formulation; Bioequivalence; Pharmacokinetics

31 Kernpublikationen / 74 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

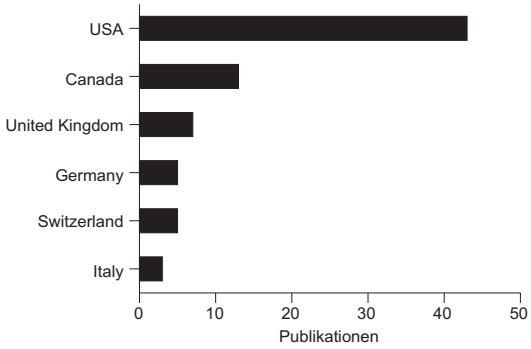


Akteure (Forschungsfront)

Institutionen

7 Univ Texas, USA
6 Univ Cincinnati, USA
4 Univ Toronto, Canada
4 Vanderbilt Univ, USA
3 Univ Arizona, USA
3 Univ Calif San Francisco, USA
3 Univ Penn, USA
(und 120 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

10 Shaw LM, Holt DW, Keown P, Venkataramanan R, Yatscoff RW
Current opinions on therapeutic drug monitoring of immunosuppressive drugs

9 Brennan DC, Barbeito R, Burke J, Brayman K, Greenstein S, Chang T
Safety of Neoral conversion in maintenance renal transplant patients: A one-year, double-blind study

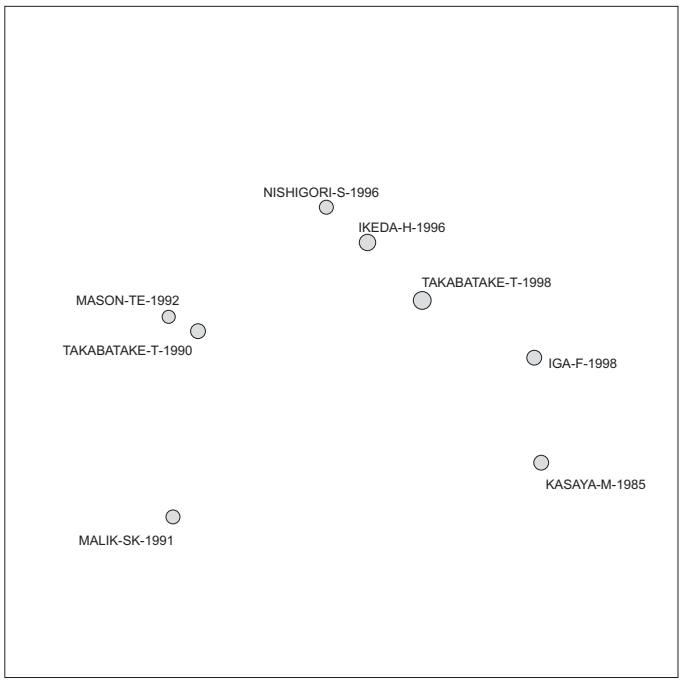
9 Canafax DM, Irish WD, Moran HB, Squiers E, Levy R, Pouletty P, First MR, Christians U
An individual bioequivalence approach to compare the intrasubject variability of two ciclosporin formulations, SangCya (TM), and Neoral (R)

9 Johnston A, Holt DW
Bioequivalence criteria for cyclosporine

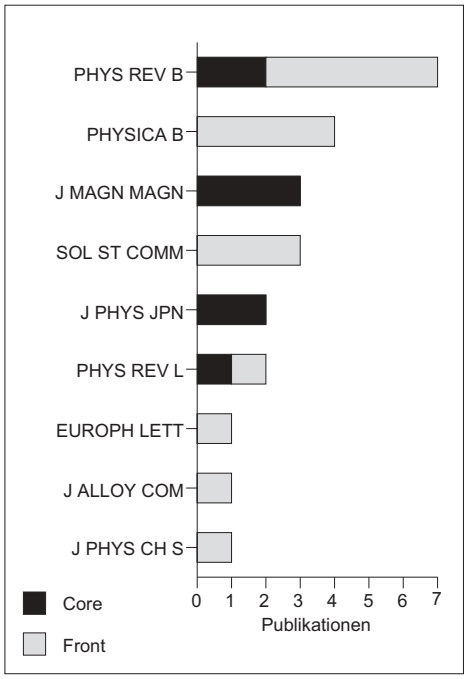
CH-Cluster 314: Cenisn; Kondo Insulator Cenisn; Kondo Insulator YBB12; YB-based Kondo Semiconductors; Valence-Fluctuating System Cenisn

8 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

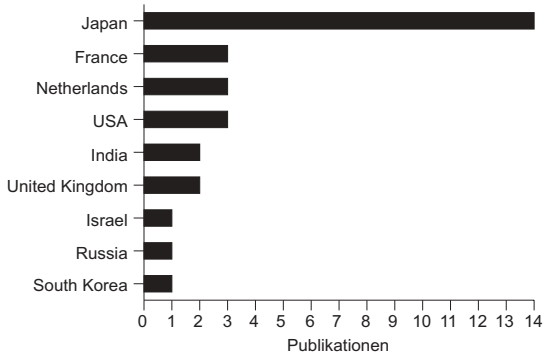


Akteure (Forschungsfront)

Institutionen

11 Hiroshima Univ, Japan
4 Tohoku Univ, Japan
2 CEA, France
2 Iowa State Univ, USA
2 Japan Atom Energy Res Inst, Japan
2 Kobe Univ, Japan
2 Osaka Univ, Japan
2 Saitama Univ, Japan
2 Tata Inst Fundamental Res, India
2 Univ Amsterdam, Netherlands
2 Univ Southampton, United Kingdom
(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Ikushima K, Yasuoka H, Uwatoko Y, Isikawa Y
Scaling behavior in the Ce-based Kondo semiconductors: NQR/NMR measurements of CeRhSb and CeNiSn under high pressures

5 Takabatake T, Echizen Y, Yoshino T, Kobayashi K, Nakamoto G, Fujii H, Sera M
Impurity-induced localization of quasiparticles in the presence of a pseudogap in CeNiSn

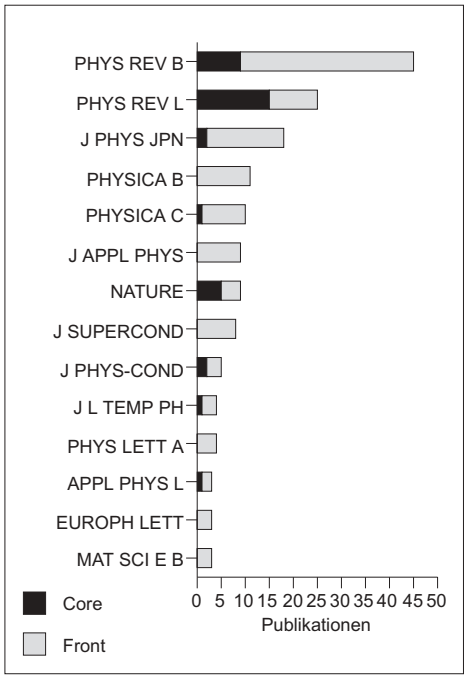
5 Umeo K, Igaue T, Chyono H, Echizen Y, Takabatake T, Kosaka M, Uwatoko Y
Uniaxial-stress induced magnetic order in CeNiSn

CH-Cluster 323: Sr2RuO4; Superconductor Sr2RuO4; Unconventional Superconductivity; Superconductivity; UPT3 Evidence

38 Kernpublikationen / 139 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

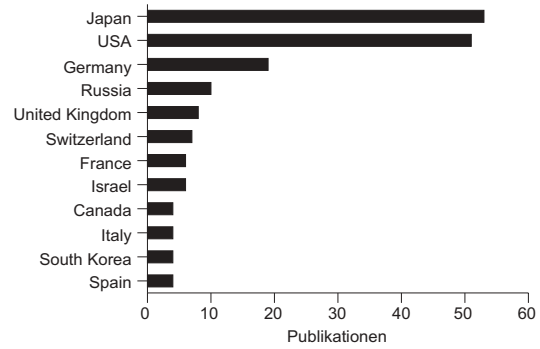


Akteure (Forschungsfront)

Institutionen

29 Kyoto Univ, Japan
12 Florida State Univ, USA
11 Osaka Univ, Japan
9 Japan Sci & Technol Corp, Japan
9 Univ Tokyo, Japan
7 Electrotech Lab, Japan
5 Stanford Univ, USA
5 Univ Cambridge, United Kingdom
5 Univ So Calif, USA
(und 129 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

18 Sigrist M, Agterberg D, Furusaki A, Honerkamp C, Ng KK, Rice TM, Zhitomirsky ME
Phenomenology of the superconducting state in Sr2RuO4

15 Maeno Y, Nakatsuji S, Ikeda S
Metal-insulator transitions in layered ruthenates

15 Matsumoto M, Sigrist M
Quasiparticle states near the surface and the domain wall in a P-x +/- ip(y)-wave superconductor

14 Agterberg DF
Impurities and orbital-dependent superconductivity in Sr2RuO4

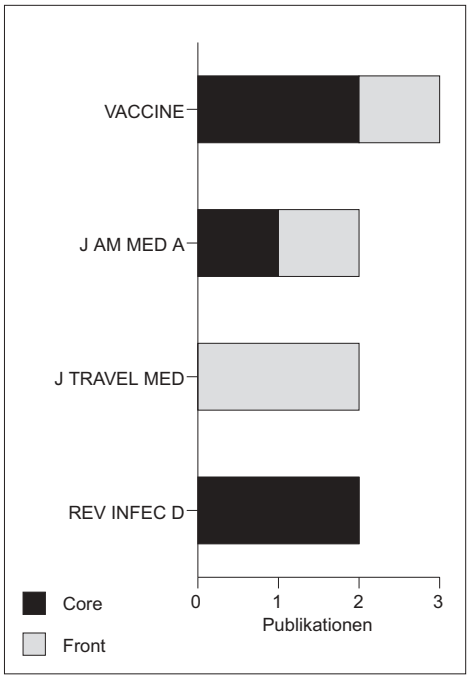
14 Maeno Y, NishiZaki S, Mao ZQ
Experimental evidence for spin-triplet superconductivity in Sr2RuO4

CH-Cluster 333: Hepatitis-A; Travelers; Epidemiology; Travelers Diarrhea; Boil It Cook It Peel It Or Forget it

10 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

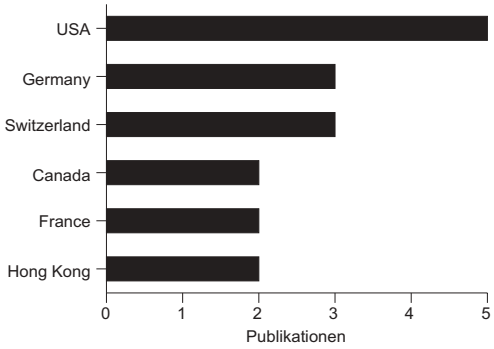


Akteure (Forschungsfront)

Institutionen

3 Univ Zurich, Switzerland
2 Chinese Univ Hong Kong, Hong Kong
2 Univ Munich, Germany
2 Univ Texas, USA
(und weitere 25 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

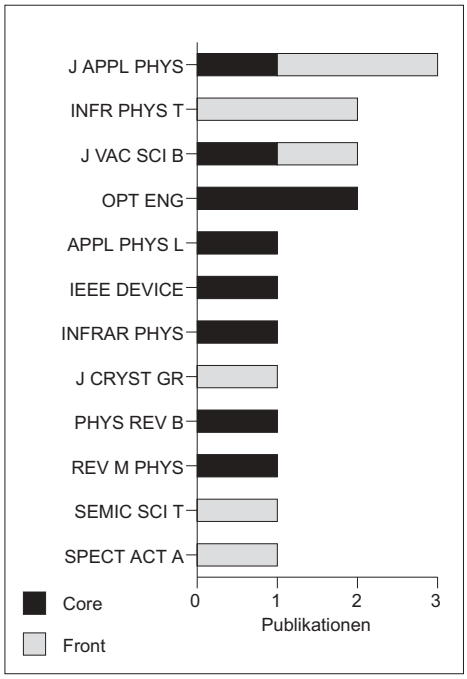
6 Loscher T, Keystone JS, Steffen R
Vaccination of travelers against hepatitis a and B

CH-Cluster 334: Growth; Infrared Detectors Arrays; Si(111); Semiconductor Infrared Detectors; Material Characterization

9 Kernpublikationen / 8 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

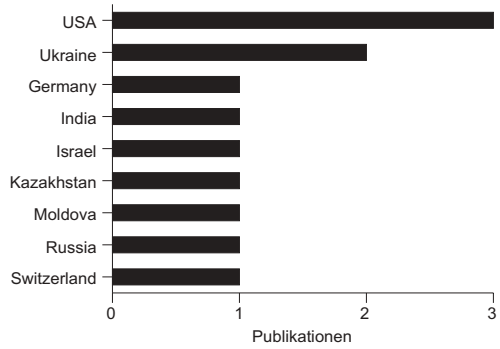


Akteure (Forschungsfront)

Institutionen

3 Univ Oklahoma, USA
1 Al Faraby Kazak State Natl Univ, Kazakhstan
1 Ben Gurion Univ Negev, Israel
1 Micron Technol Inc, USA
1 Moldavian Acad Sci, Moldova
1 NASU, Ukraine
1 RAS, Russia
1 Solid State Phys Lab, India
1 ETH Zurich, Switzerland
1 Ukrainian Acad Sci, Ukraine
1 Univ Karlsruhe, Germany
1 Yaroslavl State Univ, Russia

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 John J, Zogg H
Infrared p-n-junction diodes in epitaxial narrow gap PbTe layers on Si substrates

4 Wu HZ, Fang XM, Salas R, McAlister D, McCann PJ
Molecular beam epitaxy growth of PbSe on BaF2-coated Si(111) and observation of the PbSe growth interface

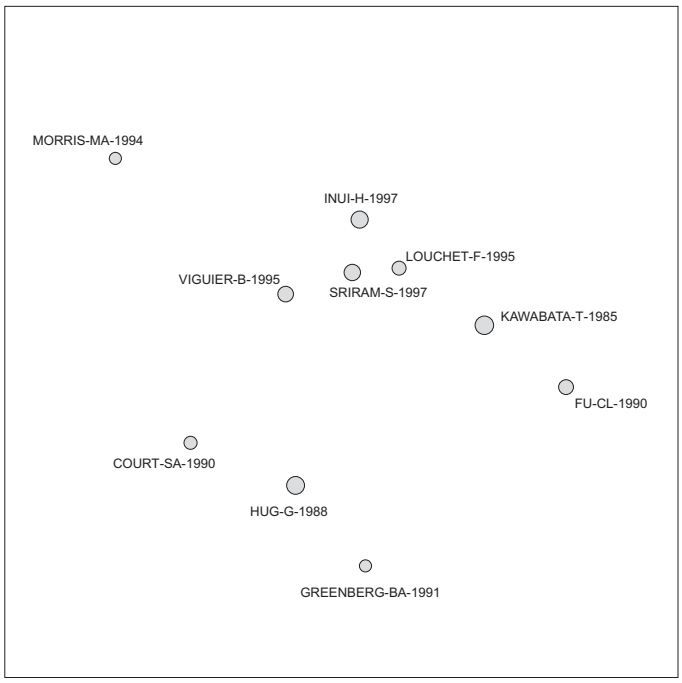
3 McCann PJ, Chao IN, Sachar H, McAlister D, Li CP, Fang XM, Wu HZ, Namjou K
IV-VI semiconductor growth on silicon substrates and new mid- infrared laser fabrication methods

3 Zimin SP, Preobrazhensky MN, Zimin DS, Zaykina RF, Borzova GA, Naumov VV
Growth and properties of PbTe films on porous silicon

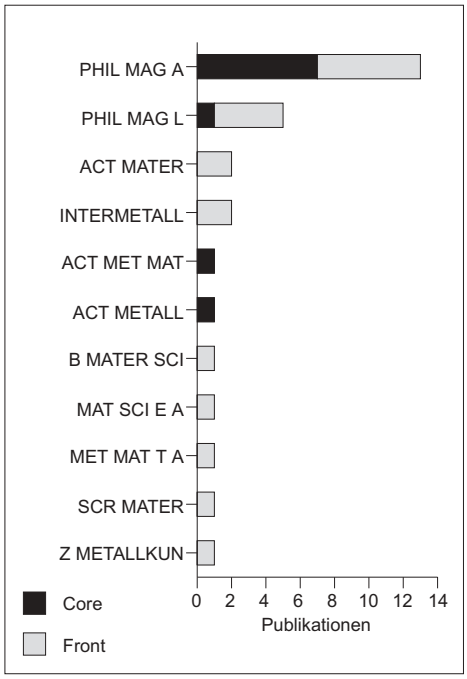
CH-Cluster 341: Tial; Flow-Stress Anomaly; Modeling; Dislocation Mechanisms; Tial Models

10 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

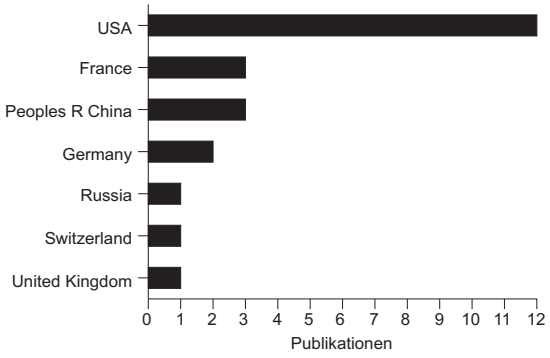


Akteure (Forschungsfront)

Institutionen

3 Universal Energy Syst Inc, USA
2 Off Natl Etud & Rech Aerosp, France
2 Polytech Univ, USA
2 Univ Cincinnati, USA
2 Univ Illinois, USA
2 Univ Sci & Technol Beijing, Peoples R China
(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Haussler D, Bartsch M, Aindow M, Jones IP, Messerschmidt U
Dislocation processes during the plastic deformation of gamma- TiAl

7 Sun YQ
Anisotropic line tension of 1/2 < 110] screw dislocations on cross-slip planes in gamma-TiAl

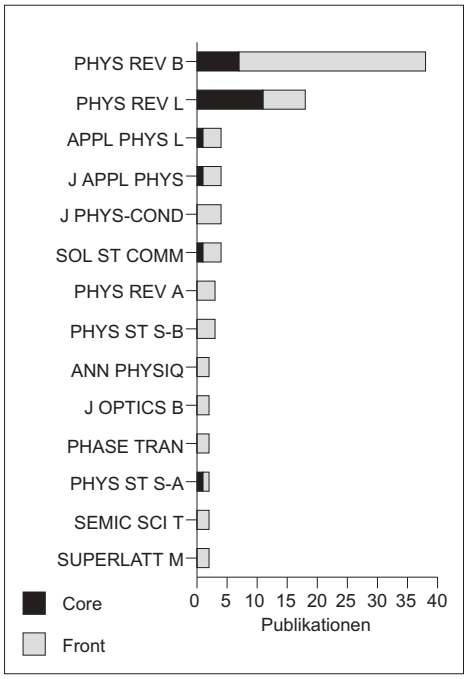
6 Gregori F, Veyssiere P
Microstructures in Al-rich gamma-TiAl strained in the domain of temperature of flow stress anomalies

CH-Cluster 369: Semiconductor Microcavities; Excitons; Semiconductor Quantum Microcavity; Semiconductor Microcavity; II-VI Semiconductor Microcavity

23 Kernpublikationen / 76 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

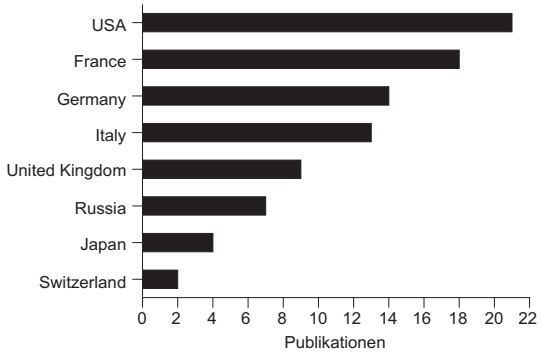


Akteure (Forschungsfront)

Institutionen

8 Univ Marburg, Germany
7 CNRS, France
5 Univ Messina, Italy
5 Univ Notre Dame, USA
5 Univ Sheffield, United Kingdom
4 Russian Acad Sci, Russia
4 Univ Arizona, USA
4 Univ Clermont Ferrand 2, France
(und 69 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

13 Panzarini G, Andreani LC, Armitage A, Baxter D, Skolnick MS, Astratov VN, Roberts JS, Kavokin AV, Vladimirova MR, Kaliteevski MA
Cavity-polariton dispersion and polarization splitting in single and coupled semiconductor microcavities

10 Tassone F, Yamamoto Y
Exciton-exciton scattering dynamics in a semiconductor microcavity and stimulated scattering into polaritons

8 Bobrysheva AI, Shmiglyuk MI, Russu SS
Nonlinear optical processes due to polaritons and biexcitons in a microcavity enclosed quantum well

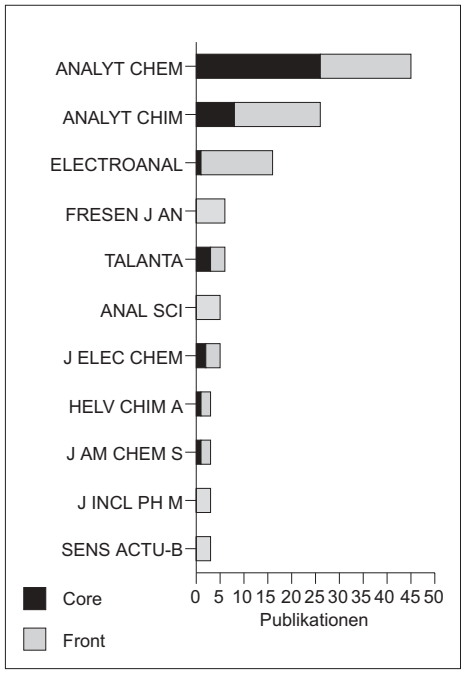
8 Savona V, Piermarocchi C, Quattropani A, Schwendimann P, Tassone F
Optical properties of microcavity polaritons

CH-Cluster 373: Structure; Escherichia-Coli; Outer-Membrane; Porin; Outer-Membrane Porins

18 Kernpublikationen / 88 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

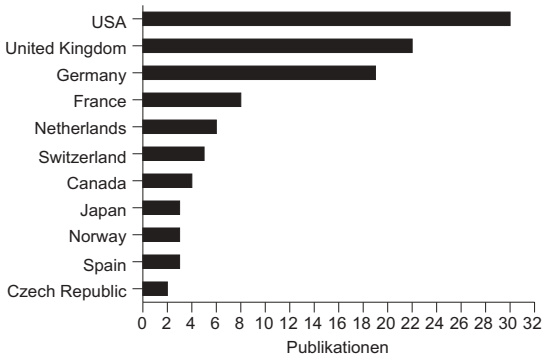


Akteure (Forschungsfront)

Institutionen

13 Auburn Univ, USA
13 ETH Zurich, Switzerland
10 Abo Akad Univ, Finland
9 Univ Tokyo, Japan
6 Razi Univ, Iran
6 Stanislaw Staszic Univ Min & Met, Poland
5 Univ Esfahan, Iran
5 Univ Michigan, USA
4 Kwangwoon Univ, South Korea
4 Shiraz Univ, Iran
4 Univ Teheran, Iran

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

8 Newton SMC, Igo JD, Scott DC, Klebba PE
Effect of loop deletions on the binding and transport of ferric enterobactin by FepA

7 Buchanan SK
beta-Barrel proteins from bacterial outer membranes: structure, function and refolding

7 Sansom MSP
Membrane proteins: A tale of barrels and corks

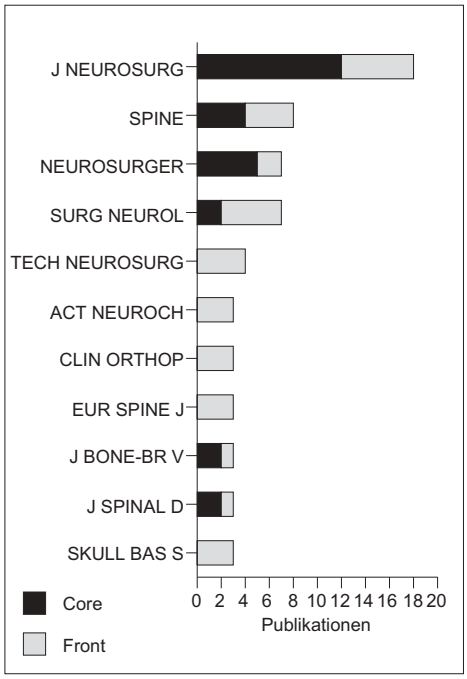
7 Tsukihara T, Lee SJ
Membrane proteins: structure and function

CH-Cluster 403: Transarticular Screw Fixation; Anterior Screw Fixation; Anterior Odontoid Screw Fixation; Anterior Portion; Odontoid

27 Kernpublikationen / 54 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

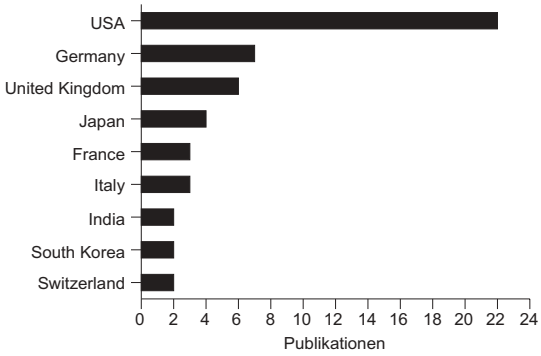


Akteure (Forschungsfront)

Institutionen

2 Emory Univ, USA
2 Louisiana State Univ, USA
2 Med Hsch Hannover, Germany
2 Natl Hosp Neurol & Neurosurg, United Kingdom
2 Sanjay Gandhi Postgrad Inst Med Sci, India
2 Washington Univ, USA
(und 66 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

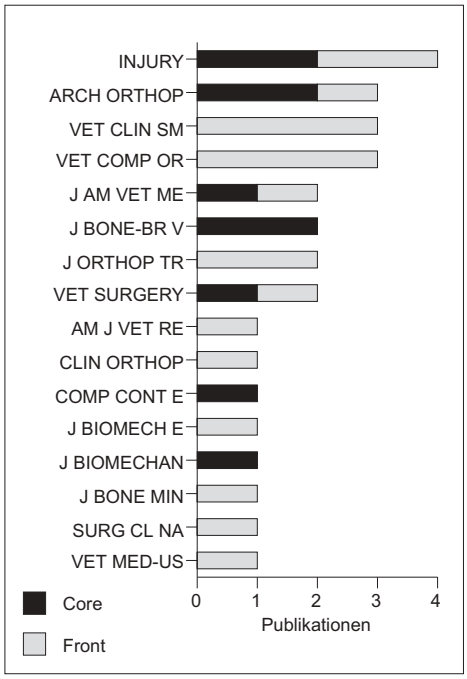
9 Wright NM, Lauryssen C
Techniques of posterior C1-C2 stabilization
8 Subach BR, Morone MA, Haid RW, McLaughlin MR, Rodts GR, Comey CH
Management of acute odontoid fractures with single-screw anterior fixation
7 Banerji D, Behari S, Jain VK, Pandey T, Chhabra DK
Extreme lateral transcondylar approach to the skull base
7 Jain VK, Behari S, Banerji D, Bhargava V, Chhabra DK
Transoral decompression for craniovertebral osseous anomalies: Perioperative management dilemmas
7 Mizuno J, Nakagawa H
Spinal instrumentation for unstable C1-2 injury

CH-Cluster 411: Fractures; Comminuted Fractures; Tibial Fractures; Experimental Tibial Fractures; Distal Femoral Fractures

10 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

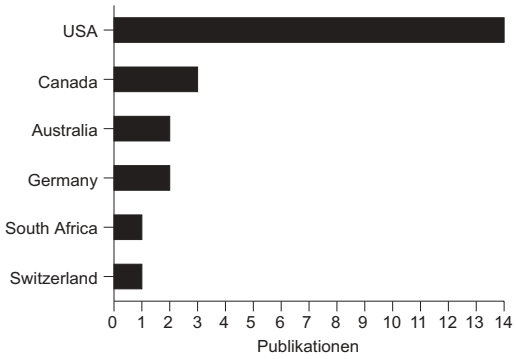


Akteure (Forschungsfront)

Institutionen

2 Mt Sinai Sch Med, USA
2 Univ Michigan, USA
(und weitere 32 Institutionen)

Länder



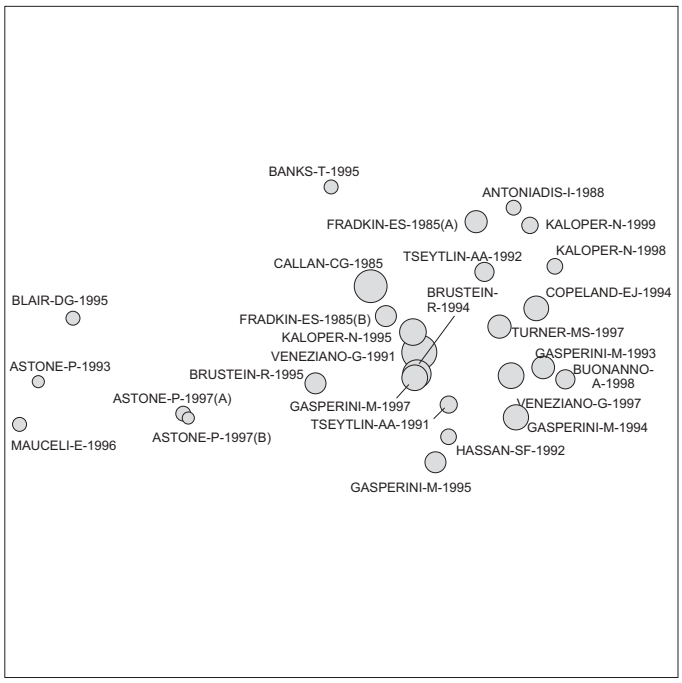
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Johnson AL, DeCamp CE
External skeletal fixation - Linear fixations
4 Kraus KH, Wotton HR
Effect of clamp type on type II external fixator stiffness
4 Palmer RH
Biological osteosynthesis

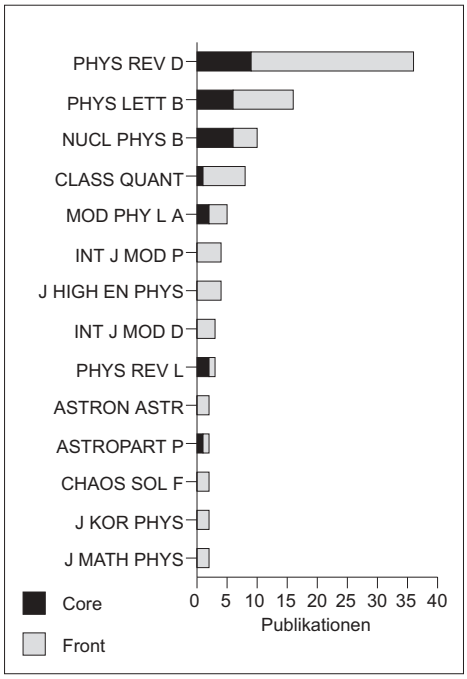
CH-Cluster 415: String Cosmology; String Theory; Low-energy Effective String Cosmology; Modular Cosmology; Heterotic String Theory

27 Kernpublikationen / 80 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

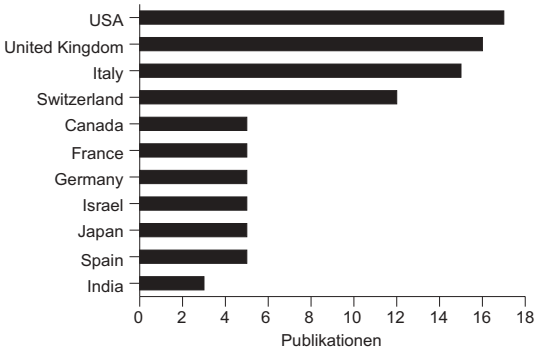


Akteure (Forschungsfront)

Institutionen

12 Ist Nazl Fis Nucl, Italy
11 CERN, Switzerland
10 Univ Sussex, United Kingdom
5 Ben Gurion Univ Negev, Israel
5 CNR, Italy
5 Univ Aquila, Italy
4 Dalhousie Univ, Canada
4 Univ Pais Vasco, Spain
(und 77 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

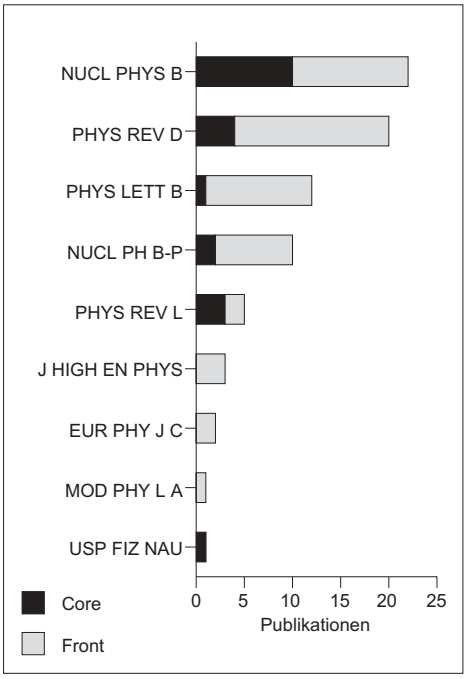
14 Durrer R, Gasperini M, Sakellariadou M, Veneziano G
Seeds of large-scale anisotropy in string cosmology - art. no. 043511.
14 Saharian AA
Qualitative evolution in higher-loop string cosmology
12 Buonanno A, Damour T, Veneziano G
Pre-Big-Bang bubbles from the gravitational instability of generic string vacua
12 Foffa S, Maggiore M, Sturani R
Loop corrections and graceful exit in string cosmology

CH-Cluster 430: Electroweak Phase-Transition; Hot Electroweak Phase-Transition; String Breaking; Electroweak Phase-Transition Ends; Electroweak Phase-Transition Perturbation-Theory

21 Kernpublikationen / 55 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

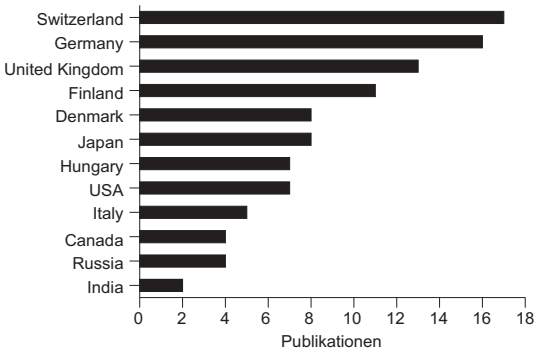


Akteure (Forschungsfront)

Institutionen

15 CERN, Switzerland
11 Univ Helsinki, Finland
8 NORDITA, Denmark
6 Lorand Eotvos Univ, Hungary
5 Univ Oxford, United Kingdom
4 Ist Nazl Fis Nucl, Italy
4 Kanazawa Univ, Japan
4 Univ Leipzig, Germany
3 Univ Munster, Germany
3 Univ Sussex, United Kingdom
3 Univ Wales, United Kingdom
(und 57 weitere Institutionen)

Länder



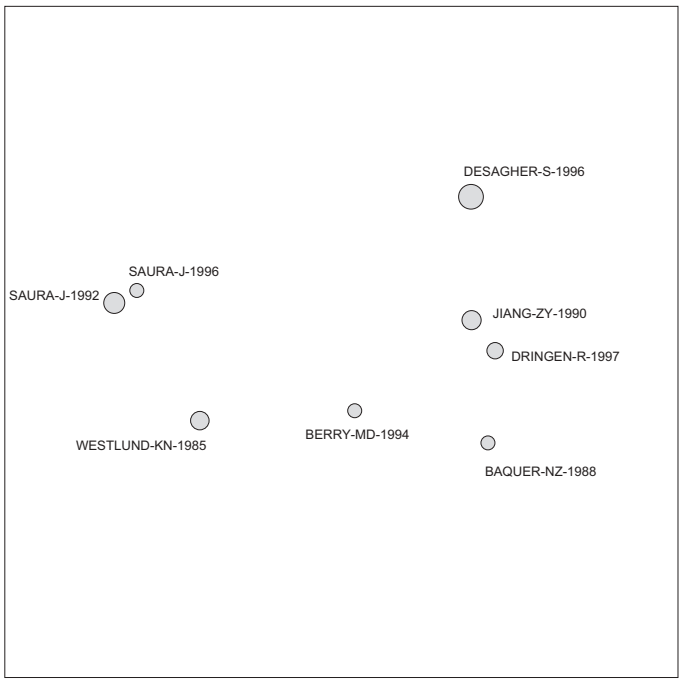
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

12 Laine M, Rummukainen K
The MSSM electroweak phase transition on the lattice
8 Huber SJ, Schmidt MG
SUSY variants of the electroweak phase transition
8 Laine M
The renormalized gauge coupling and non-perturbative tests of dimensional reduction

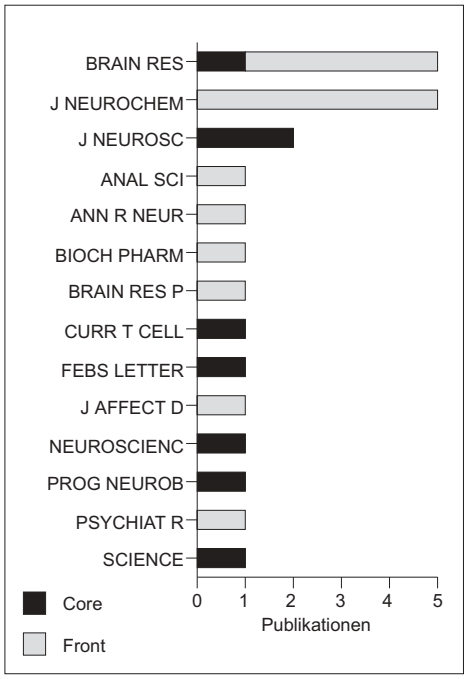
CH-Cluster 451: Quantitative Enzyme Autoradiography; Monoamine Oxidase-A; Brain; Oxidase-B; Human Monoamine Oxidase-A

8 Kernpublikationen / 15 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



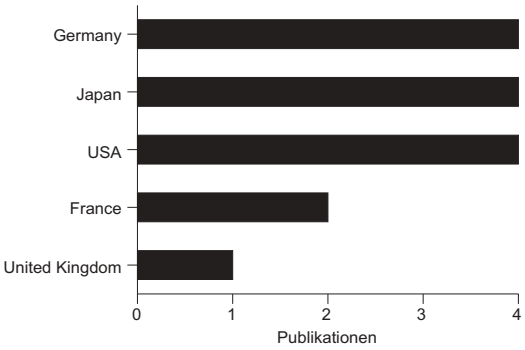
Akteure (Forschungsfront)

Institutionen

4 Univ Tubingen, Germany
3 Fujita Hlth Univ, Japan

(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

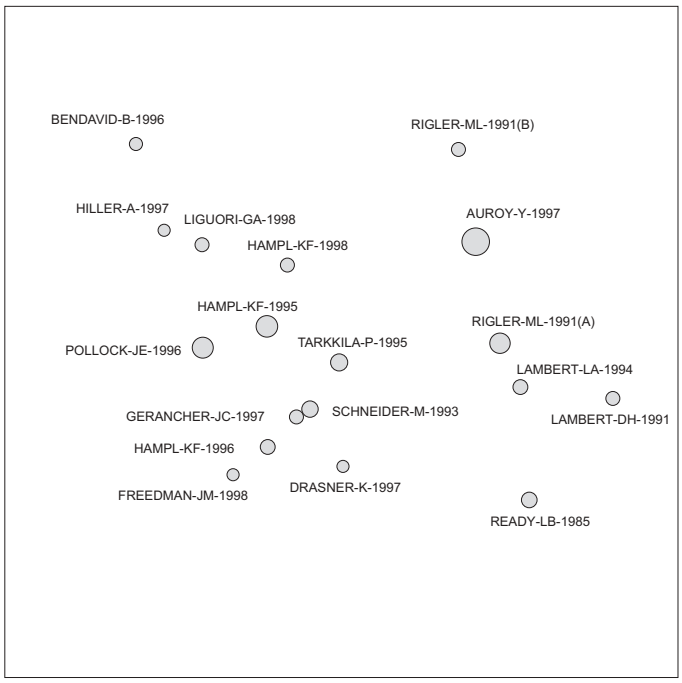
5 Dringen R, Kussmaul L, Gutterer JM, Hirrlinger J, Hamprecht B
The glutathione system of peroxide detoxification is less efficient in neurons than in astroglial cells

5 Kussmaul L, Hamprecht B, Dringen R
The detoxification of cumene hydroperoxide by the glutathione system of cultured astroglial cells hinges on hexose availability for the regeneration of NADPH

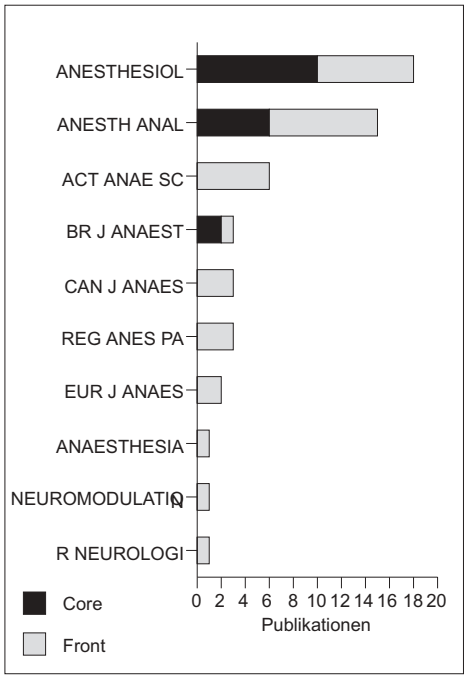
CH-Cluster 466: Transient Neurologic Symptoms After Spinal-Anesthesia; Lidocaine; 5-percent Lidocaine; Lidocaine Spinal-Anesthesia; Transient Neurological Symptoms After Spinal-Anesthesia

18 Kernpublikationen / 35 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

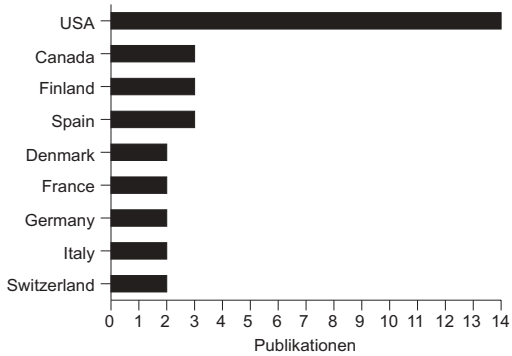


Akteure (Forschungsfront)

Institutionen

2 Univ Basel, Switzerland
2 Univ Calif San Francisco, USA
2 Univ Helsinki, Finland
2 Univ Turku, Finland
2 Virginia Mason Med Ctr, USA

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

12 Loo CC, Irestedt L
Cauda equina syndrome after spinal anaesthesia with hyperbaric 5% lignocaine: A review of six cases of cauda equina syndrome reported to the Swedish Pharmaceutical Insurance 1993-1997

10 Severinghaus JW
Intrathecally, Caine may dis-Able - Reflections on lidocaine for spinal anesthesia

9 Hampl K, Schneider M
Transient radicular irritation after spinal anaesthesia with xylocain

9 Pollock JE, Liu SS, Neal JM, Stephenson CA
Dilution of spinal lidocaine does not alter the incidence of transient neurologic symptoms

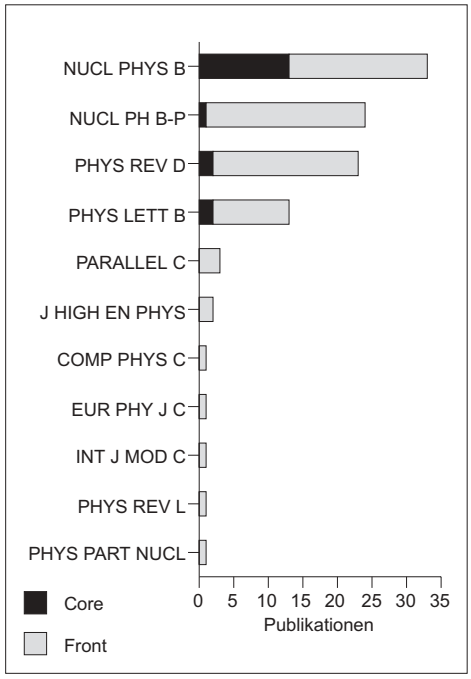
9 Zayas VM, Liguori GA, Chisholm MF, Susman MH, Gordon MA
Dose response relationships for isobaric spinal mepivacaine using the combined spinal epidural technique

CH-Cluster 470: Lattice Qcd; Qcd; O(a) Improved Lattice Qcd; Lattice; Nonperturbative Renormalization

18 Kernpublikationen / 85 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

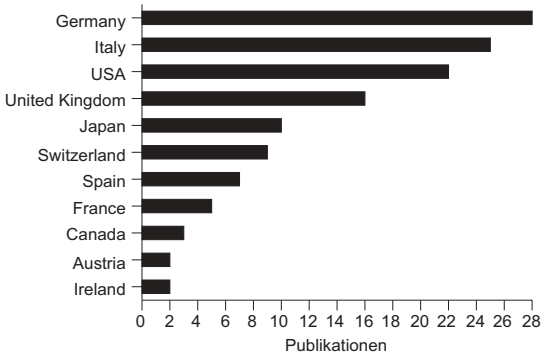


Akteure (Forschungsfront)

Institutionen

22 Ist Nazl Fis Nucl, Italy
13 DESY, Germany
11 Univ Roma Tor Vergata, Italy
10 Humboldt Univ, Germany
10 Univ Edinburgh, United Kingdom
8 CERN, Switzerland
8 Univ Rome La Sapienza, Italy
8 Univ Tsukuba, Japan
7 Max Planck Inst Phys, Germany
7 Univ Regensburg, Germany
7 Univ Valencia, Spain
(und 69 weitere Institutionen)

Länder



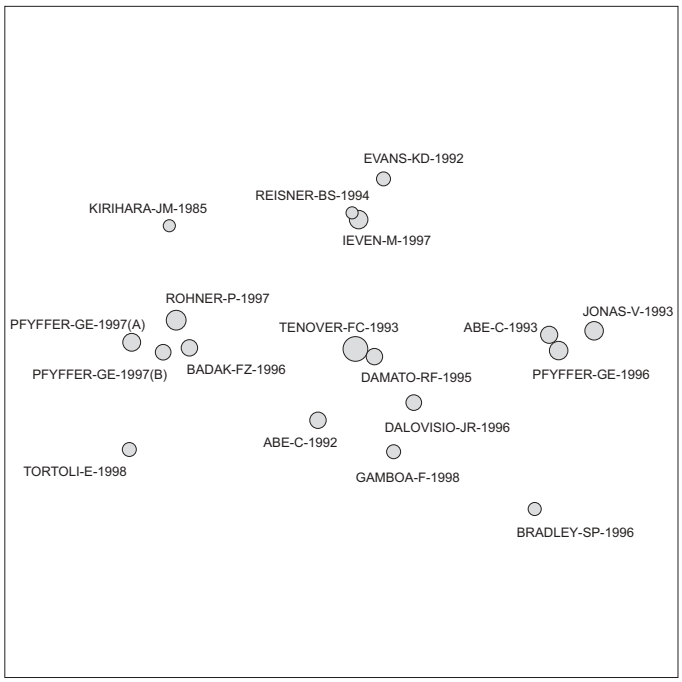
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

15 Capitani S, Luscher M, Sommer R, Wittig H
Non-perturbative quark mass renormalization in quenched lattice QCD
13 Becirevic D, Boucaud P, Leroy JP, Lubicz V, Martinelli G, Mescia F
Non-perturbatively renormalized light-quark masses with the alpha action
13 Heitger J
Scaling investigation of renormalized correlation functions in O(a) improved quenched lattice QCD
10 Guagnelli M, Heitger J, Sommer R
Hadron masses and matrix elements from the QCD Schrodinger functional

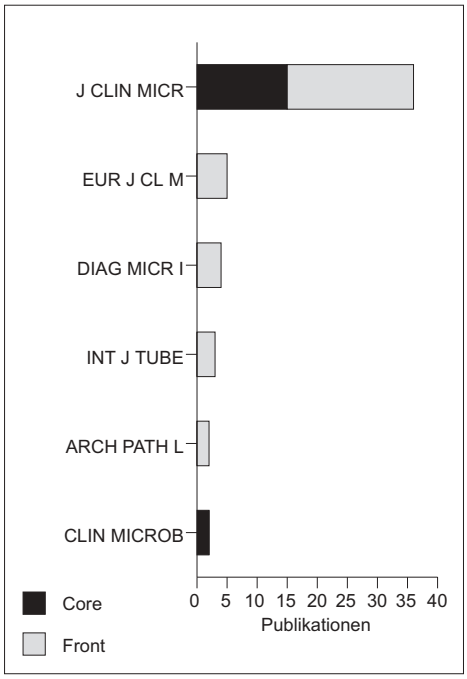
CH-Cluster 493: Mycobacterium-tuberculosis; Comparison; Mycobacteria; Clinical Specimens; Detection

19 Kernpublikationen / 45 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

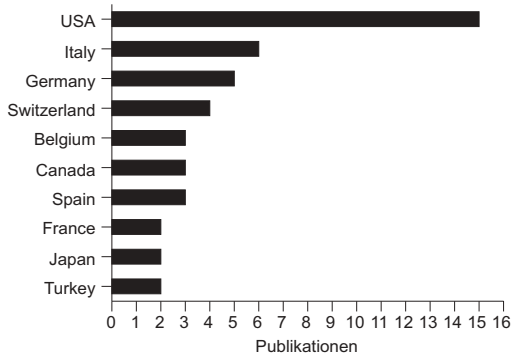


Akteure (Forschungsfront)

Institutionen

6 Univ Texas, USA
4 Univ Zurich, Switzerland
2 Forschungszentrum Borstel, Germany
2 Gen Probe Inc, USA
2 Hosp San Agustin, Spain
2 New York City Dept Hlth, USA
2 New York Presbyterian Hosp, USA
2 Osped Careggi, Italy
2 Univ Verona, Italy
(und 70 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Palacios JJ, Ferro J, Palma NR, Garcia JM, Villar H, Rodriguez J, Macias MD, Prendes P
Fully automated liquid culture system compared with Lowenstein- Jensen solid medium for rapid recovery of mycobacteria from clinical samples

6 Brunello F, Favari F, Fontana R
Comparison of the MB/BacT and BACTEC 460 TB systems for recovery of mycobacteria from various clinical specimens

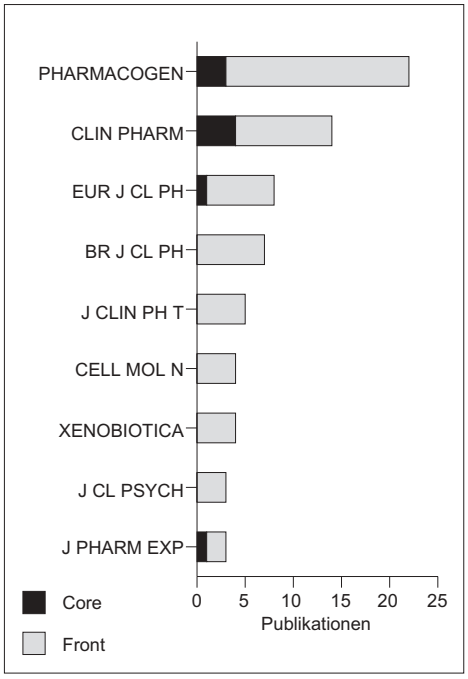
6 Woods GL
Molecular methods in the detection and identification of mycobacterial infections

CH-Cluster 503: Debrisoquine; Cyp2d6; Polymorphism; Identification; Cytochrome-p450 Cyp2d Locus

23 Kernpublikationen / 113 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

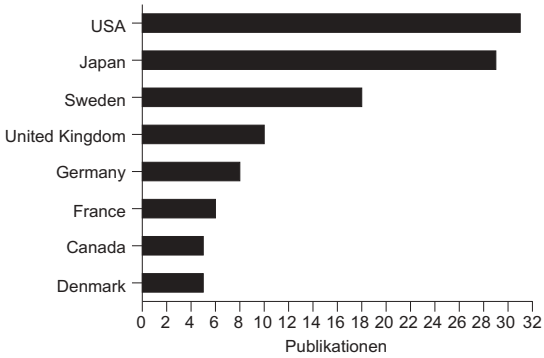


Akteure (Forschungsfront)

Institutionen

13 Karolinska Inst, Sweden
7 Huddinge Univ Hosp, Sweden
6 Kumamoto Univ, Japan
6 Vanderbilt Univ, USA
5 Dr Margarete Fischer Bosch Inst Clin Pharmacol, Germany
5 Odense Univ, Denmark
5 Univ Tsukuba, Japan
4 Hokkaido Univ, Japan
4 NIEHS, USA
(und 171 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

14 Wormhoudt LW, Commandeur JNM, Vermeulen NPE
Genetic polymorphisms of human N-acetyltransferase, cytochrome P450, glutathione-S-Transferase, and epoxide hydrolase enzymes: Relevance to xenobiotic metabolism and toxicity

12 Aynacioglu AS, Sachse C, Bozkurt A, Kortunay S, Nacak M, Schroder T, Kayaalp SO, Roots I, Brockmoller J
Low frequency of defective alleles of cytochrome P450 enzymes 2C19 and 2D6 in the Turkish population

12 Bathum L, Skjelbo E, Mutabingwa TK, Madsen H, Horder M, Brosen K
Phenotypes and genotypes for CYP2D6 and CYP2C19 in a black Tanzanian population

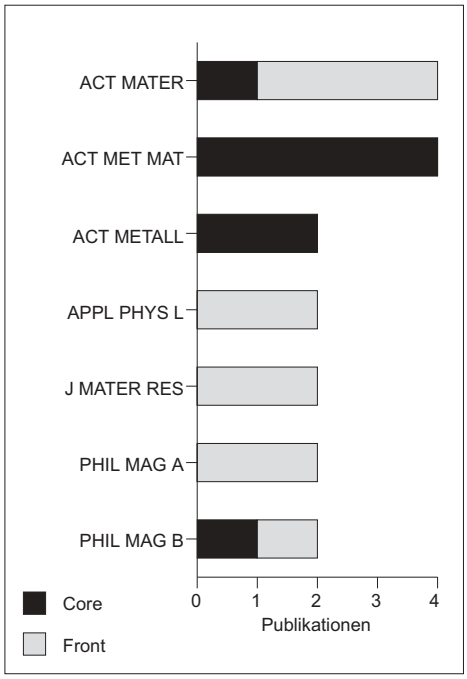
12 van der Weide J, Steijns LSW
Cytochrome P450 enzyme system: genetic polymorphisms and impact on clinical pharmacology

CH-Cluster 505: Computer-Simulation; Grain-Growth; Solidification Processes; Grain-Growth Abnormal Grain-Growth; Grain-Growth Using

14 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

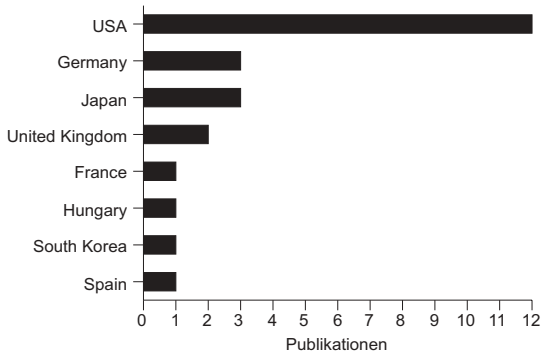


Akteure (Forschungsfront)

Institutionen

3 MIT, USA
3 Sandia Natl Labs, USA
2 Dartmouth Coll, USA
2 Hokkaido Univ, Japan
2 Penn State Univ, USA
(und weitere 25 Institutionen)

Länder



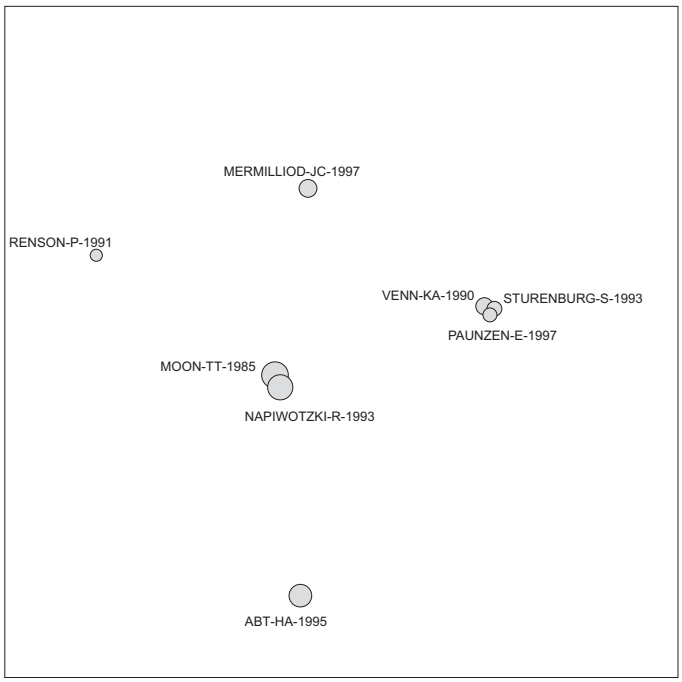
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Tikare V, Holm EA, Fan D, Chen LQ
Comparison of phase-field and Potts models for coarsening processes
4 Fayad W, Thompson CV, Frost HJ
Steady-state grain-size distributions resulting from grain growth in two dimensions

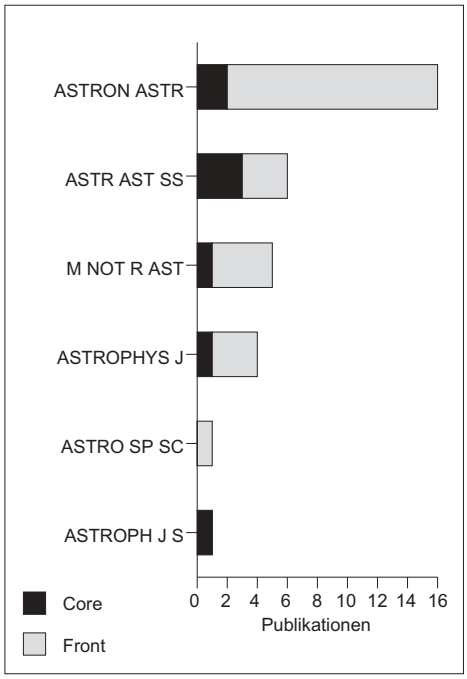
CH-Cluster 521: Lambda-Bootis Stars; General Catalog; Effective Temperature; Determination; Surface Gravity

8 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

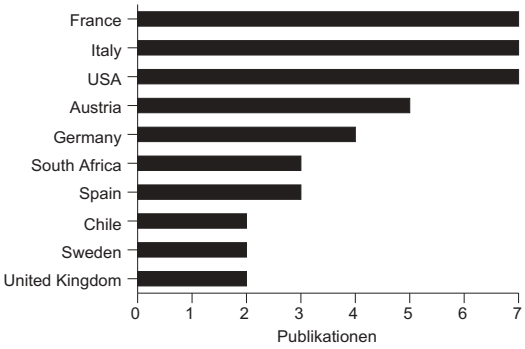


Akteure (Forschungsfront)

Institutionen

4 Univ Vienna, Austria
3 CNR, Italy
3 Osservatorio Astron Trieste, Italy
3 S African Astron Observ, South Africa
3 Univ Texas, USA
(und weitere 38 Institutionen)

Länder



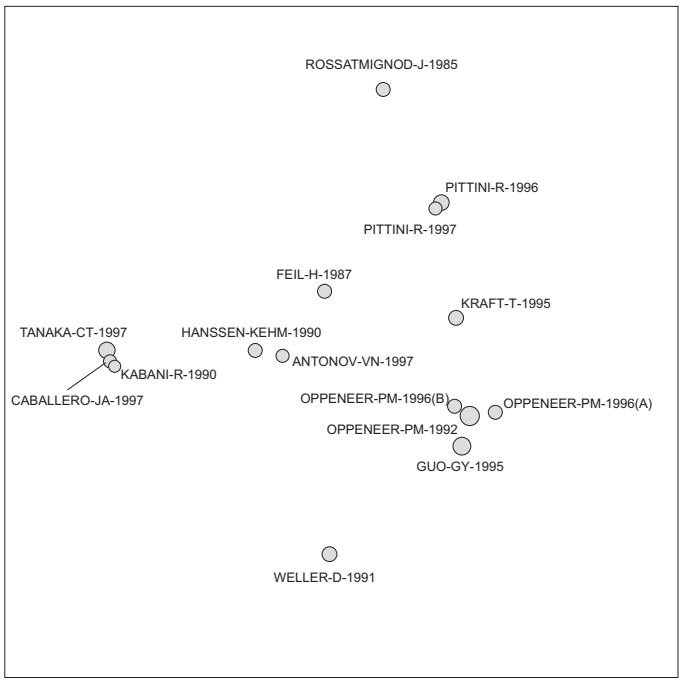
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Faraggiana R, Bonifacio P
How many lambda Bootis stars are binaries?
5 Adelman SJ
Elemental abundance analyses with DAO spectrograms - XXII. The B9-A3 stars lambda Ursae Majoris, 59 Herculis, 14 Cygni and 29 Cygni
5 Bohlender DA, Gonzalez JF, Matthews JM
The incidence of nonradial pulsation in the lambda Bootis stars
5 Martinez P, Koen C, Handler G, Paunzen E
The pulsating lambda Bootis star HD 105759
5 Woolf VM, Lambert DL
Mercury elemental and isotopic abundances in mercury-manganese stars

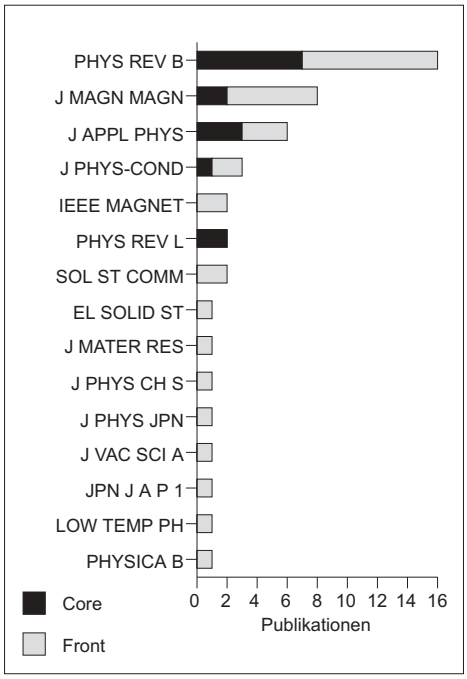
CH-Cluster 526: Magnetooptical Kerr Spectra; Magnetooptical Spectra; Calculated Magnetooptical Kerr Spectra; Magnetooptical Kerr-Effect; CESB

15 Kernpublikationen / 32 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

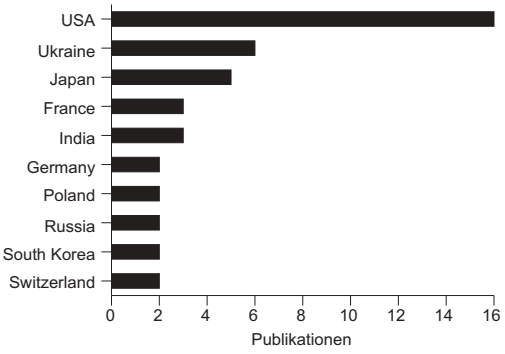


Akteure (Forschungsfront)

Institutionen

4 Calif State Univ Northridge, USA
3 Hiroshima Univ, Japan
3 Northwestern Univ, USA
3 Ukrainian Acad Sci, Ukraine
(und 40 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Antonov VN, Yaresko AN, Perlov AY, Nemoshkalenko VV, Oppeneer PM, Eschrig H
Magneto-optical spectroscopy of d- and f-ferromagnetic materials: recent theoretical progress (Review Article)

6 Gao X, Woollam JA, Kirby RD, Sellmyer DJ, Tanaka CT, Nowak J, Moodera JS
Dielectric tensor for magneto-optic NiMnSb

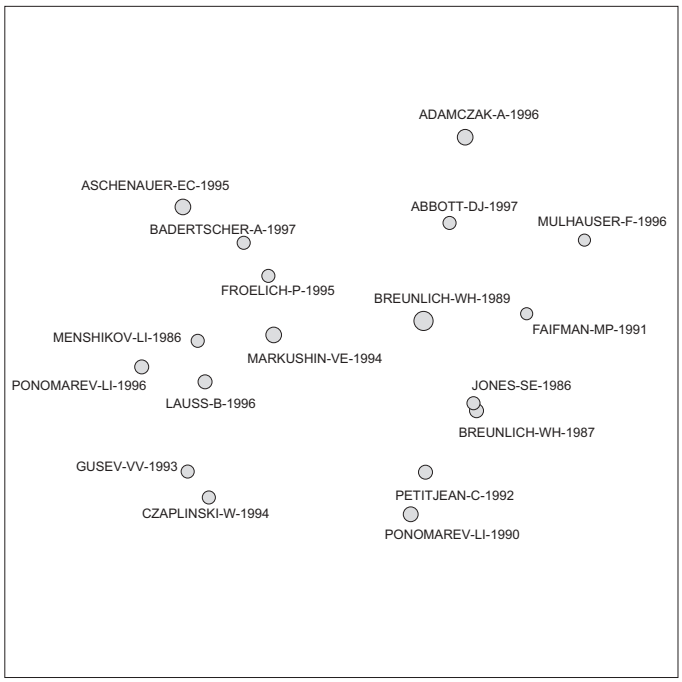
5 Miyazawa H, Oguchi T
FLAPW calculations of the magneto-optical Kerr effect of BCC Fe

5 Yamaguchi M, Kusakabe T, Kyuno K, Asano S
First-principles calculations of the magneto-optical Kerr effect in L1(0)-type ordered alloys TM-X (TM = Mn, Fe, Co, X = Pt, Au)

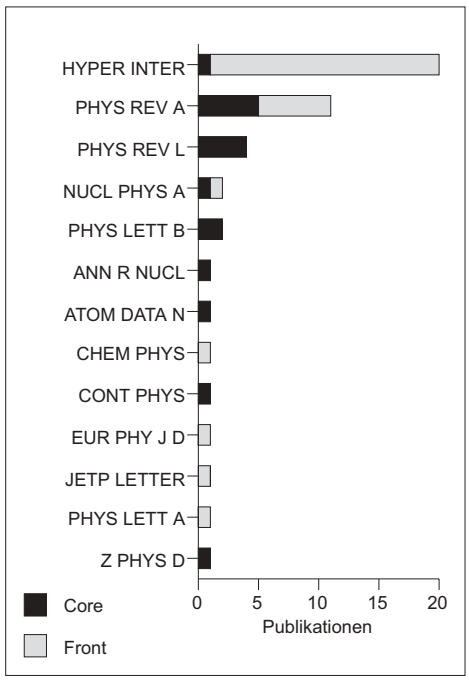
CH-Cluster 598: Muon-Catalyzed Fusion; Kinetic-energy Distribution; Muon Catalyzed Fusion; Muon Transfer; Muon-Catalyzed D-T Fusion

18 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

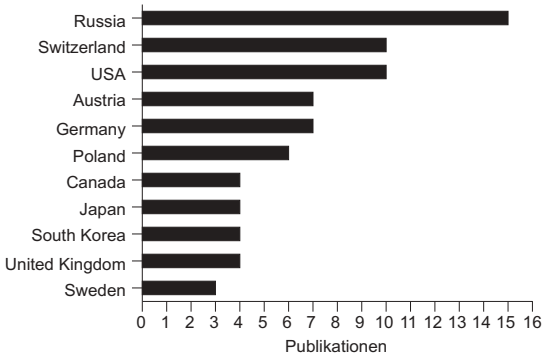


Akteure (Forschungsfront)

Institutionen

9 Paul Scherrer Inst, Switzerland
8 Joint Inst Nucl Res, Russia
7 Austrian Acad Sci, Austria
5 Inst Nucl Phys, Poland
5 Univ Calif Berkeley, USA
(und 47 weitere Intitutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

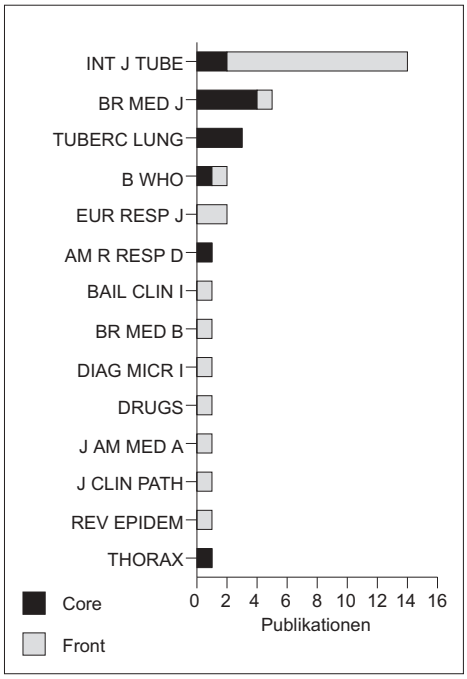
9 Markushin VE
Cascade in muonic and pionic atoms with Z=1
8 Ackerbauer P, Werner J, Breunlich WH, Cargnelli M, Fussy S, Jeitler M, Kammel P, Marton J ...
Experimental investigation of muon-catalyzed dt fusion at cryogenic temperatures
7 Marshall GM, Porcelli TA, Adamczak A, Bailey JM, Beer GA, Faifman MP, Fujiwara MC
Resonant formation measurements of dt mu via time of flight
7 Sakamoto S, Ishida K, Nagamine K
X-ray studies on muon transfer reaction from excited states of muonic hydrogen atoms to deuterium atoms

CH-Cluster 640: Tuberculosis; Drug-Resistant Tuberculosis; Tuberculosis Trends; Pulmonary Tuberculosis; England

12 Kernpublikationen / 23 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

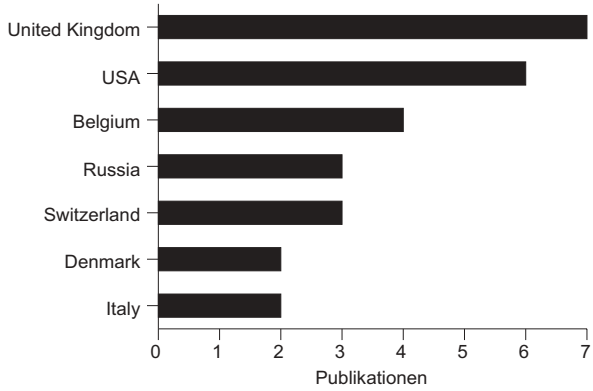


Akteure (Forschungsfront)

Institutionen

3 Harvard Univ, USA
3 Inst Trop Med, Belgium
3 WHO, Switzerland
2 Birmingham Heartlands Hosp, United Kingdom
2 Ctr Cardiothorac, United Kingdom
2 Fazakerley Dist Gen Hosp, United Kingdom
2 Fdn Salvatore Maugeri, Italy
2 Univ London Kings Coll Hosp, United Kingdom
(und weiter 43 Institutionen)

Länder



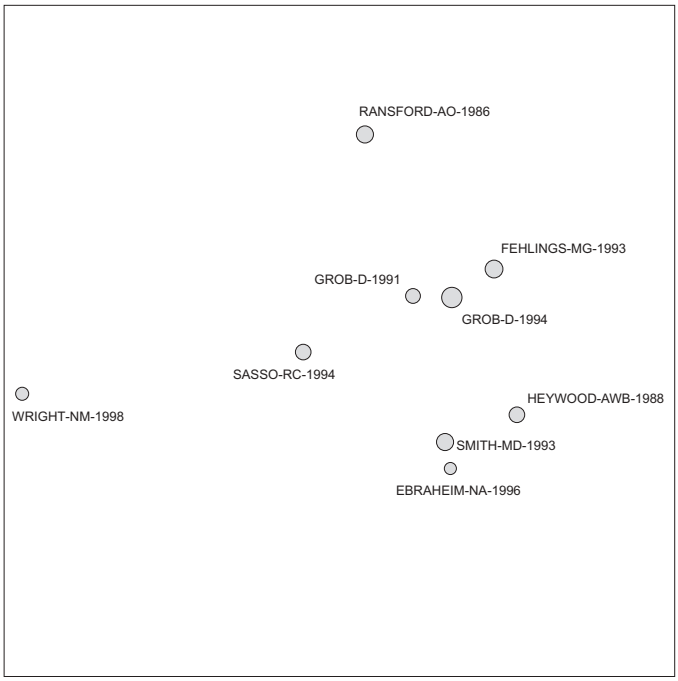
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Portaels F, Rigouts L, Bastian I
Addressing multidrug-resistant tuberculosis in penitentiary hospitals and in the general population of the former Soviet Union
7 Bastian I, Colebunders R
Treatment and prevention of multidrug-resistant tuberculosis
5 Espinal MA, Dye C, Raviglione M, Kochi A
Rational 'DOTS Plus' for the control of MDR-TB

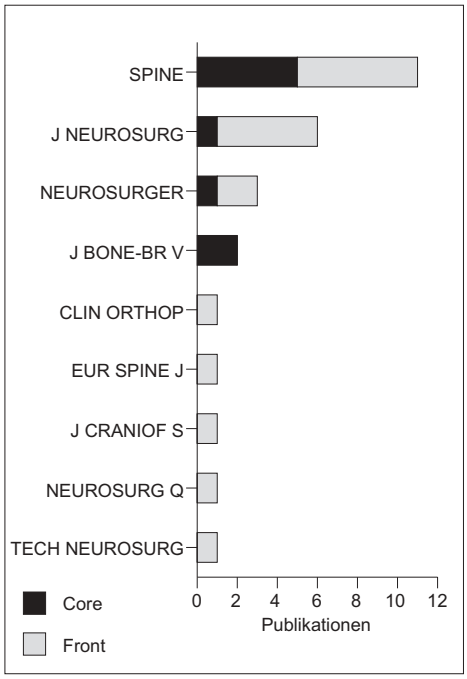
CH-Cluster 659: Occipitocervical Fusion; Screw Fixation; Posterior Occipitocervical Fusion; Occipitocervical Instrumentation; Segmental Fixation

9 Kernpublikationen / 18 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

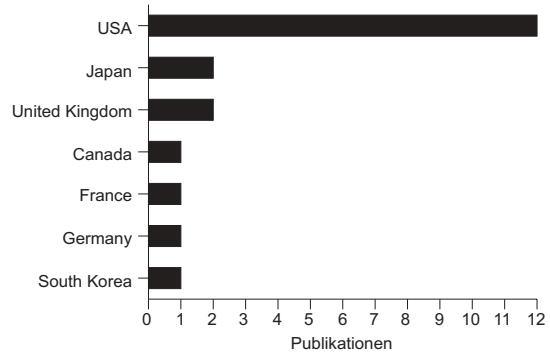


Akteure (Forschungsfront)

Institutionen

2 Hokkaido Univ, Japan
2 Natl Hosp Neurol & Neurosurg, United Kingdom
(und weitere 27 Institutionen)

Länder



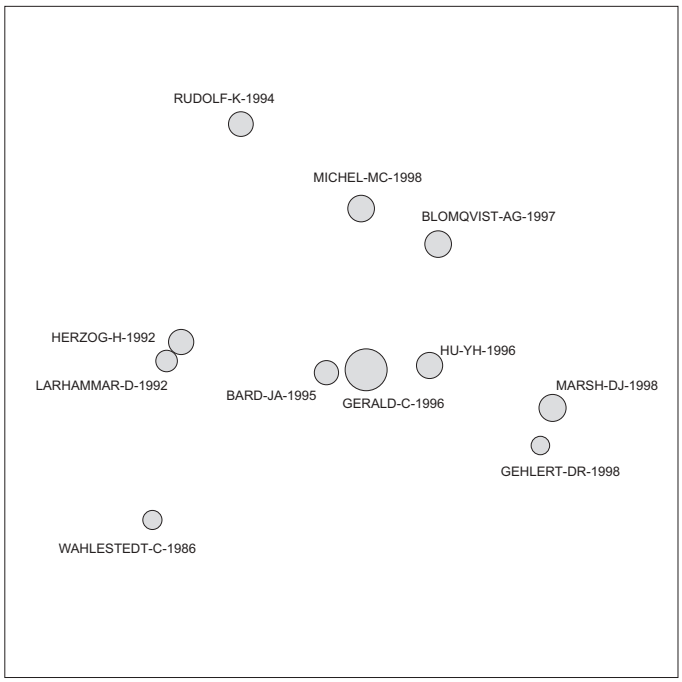
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Oda I, Abumi K, Sell LC, Haggerty CJ, Cunningham BW, McAfee PC
Biomechanical evaluation of five different occipito-atlanto- axial fixation techniques
8 Hertel G, Hirschfelder H
In vivo and in vitro CT analysis of the occiput
7 Paquis P, Breuil V, Lonjon M, Euller-Ziegler L, Grellier P
Occipitocervical fixation using hooks and screws for upper cervical instability

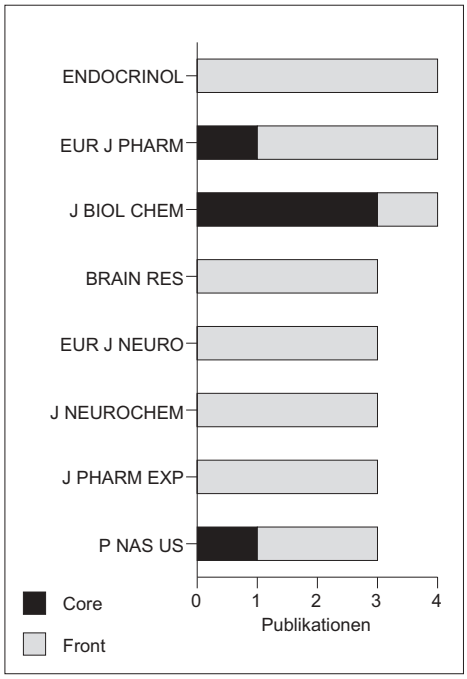
CH-Cluster 672: Neuropeptide-Y; Pancreatic-Polypeptide Neuropeptide-Y; Y5 Neuropeptide-Y Receptor; Human Neuropeptide-Y Peptide-YY Receptor; Functional Expression

11 Kernpublikationen / 73 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

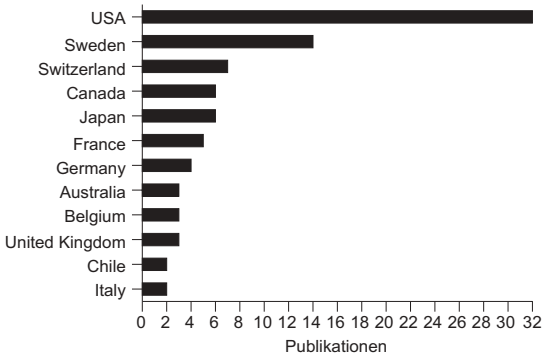


Akteure (Forschungsfront)

Institutionen

9 Karolinska Inst, Sweden
5 Eli Lilly & Co, USA
4 Univ Florida, USA
4 Univ Lund Hosp, Sweden
3 Astra Hassle AB, Sweden
3 Free Univ Brussels, Belgium
3 McGill Univ, Canada
(und weiter 78 Institutionen)

Länder



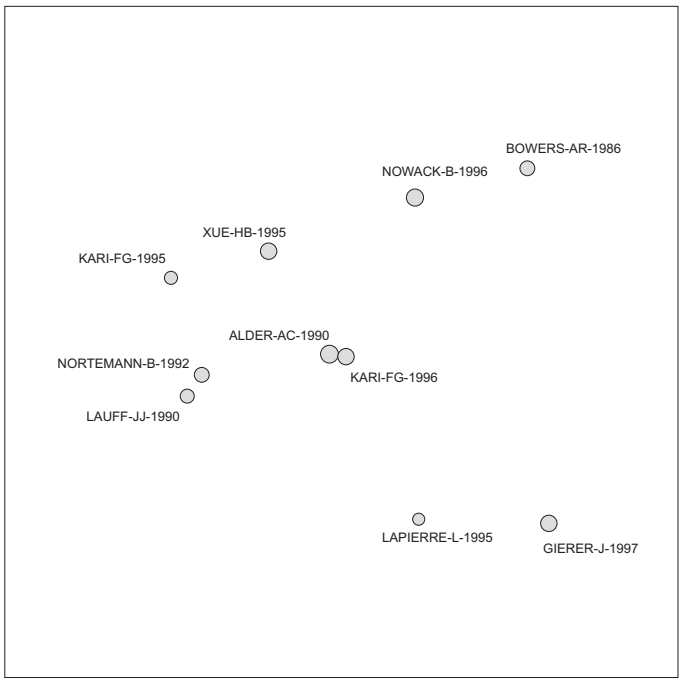
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

9 Gehlert DR
Role of hypothalamic neuropeptide Y in feeding and obesity
8 Iyengar S, Li DL, Simmons RMA
Characterization of neuropeptide Y-induced feeding in mice: Do Y1-Y6 receptor subtypes mediate feeding?
7 Ingenhoven N, Beck-Sickinger AG
Molecular characterization of the ligand-receptor interaction of neuropeptide Y
7 Murakami Y, Hara H, Okada T, Hashizume H, Kii M, Ishihara Y, Ishikawa M, Shimamura M, Mihara S,...
1,3-disubstituted benzazepines as novel, potent, selective neuropeptide YY1 receptor antagonists
7 Pheng LH, Perron A, Quirion R, Cadieux A, Fauchere JL, Dumont Y, Regoli D
Neuropeptide Y-induced contraction is mediated by neuropeptide YY2 and Y-4 receptors in the rat colon

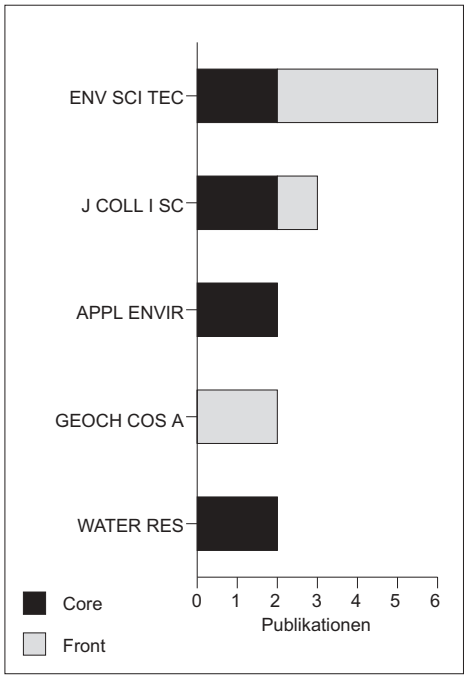
CH-Cluster 673: Edta; Speciation; Degradation; Photochemical Degradation; Fate

10 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

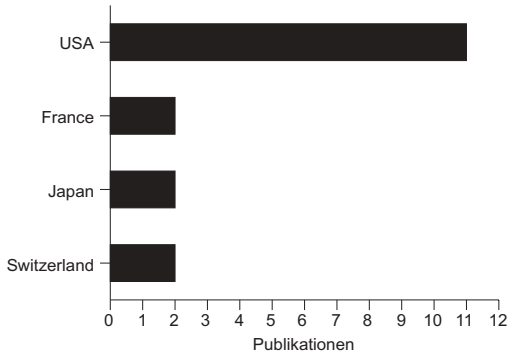


Akteure (Forschungsfront)

Institutionen

2 ETH Zurich, Switzerland
2 Univ Maryland, USA
(und weitere 34 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

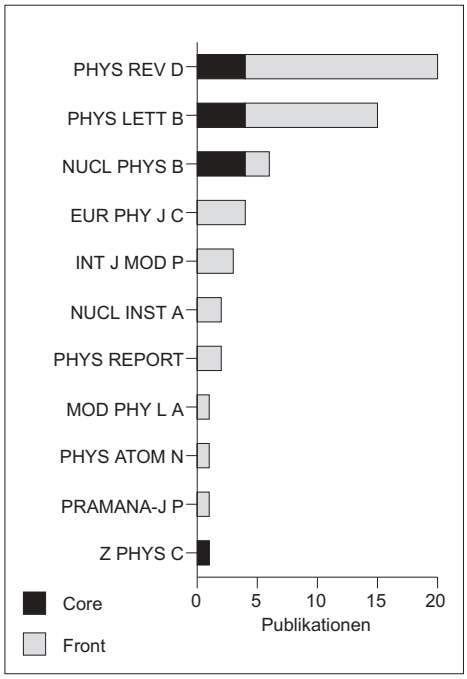
5 Nortemann B
Biodegradation of EDTA
5 Witschel M, Egli T, Zehnder AJB, Wehrli E, Spycher M
Transport of EDTA into cells of the EDTA-degrading bacterial strain DSM 9103

CH-Cluster 682: Measurement; New Interactions; Top-Quark Pair Production; 3 Gauge Boson Couplings

13 Kernpublikationen / 43 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

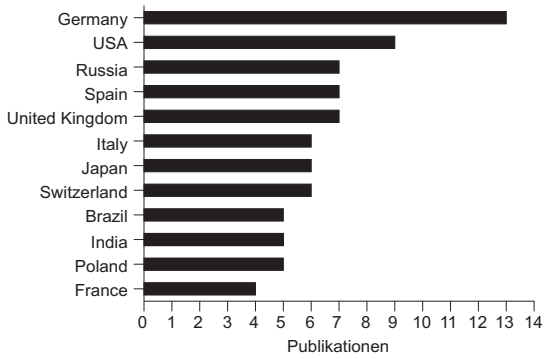


Akteure (Forschungsfront)

Institutionen

5 CERN, Switzerland
5 Ist Nazl Fis Nucl, Italy
4 Tata Inst Fundamental Res, India
4 Univ Valencia, Spain
(und weitere 204 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

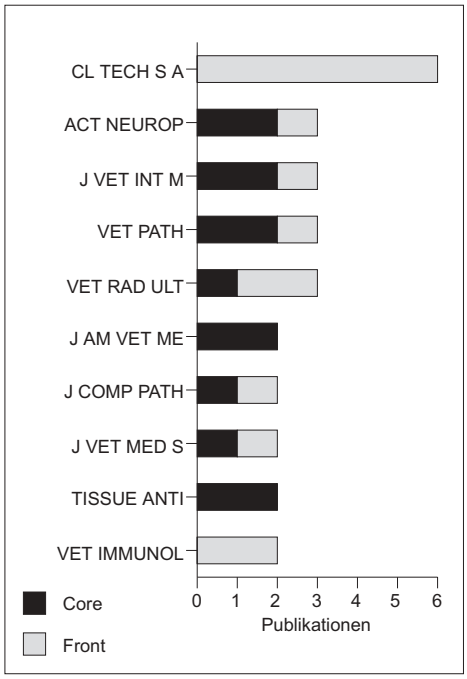
7 Abbiendi G, Ackerstaff K, Alexander G, Allison J, Altekamp N, Anderson KJ, Anderson S, Arcelli S,
W+W- production and triple gauge boson couplings at LEP energies up to 183 GeV
5 Brzezinski L, Grzadkowski B, Hioki Z
Effects of nonstandard interactions for the energy spectrum of secondary leptons in e(+)e(-)-> t(t)over-bar
5 Gonzalez-Garcia MC
Anomalous Higgs couplings
5 Gonzalez-Garcia MC, Lietti SM, Novaes SF
New Higgs couplings at e(+)e(-) and hadronic colliders - art. no. 075008

CH-Cluster 686: Dogs; Necrotizing Meningoencephalitis; Pug Dogs; 50 Dogs; Maltese Dogs

14 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

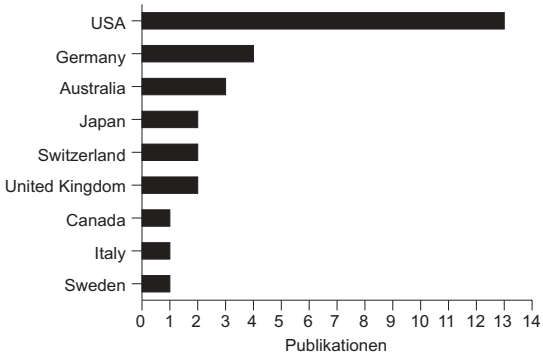


Akteure (Forschungsfront)

Institutionen

2 Ohio State Univ, USA
2 Univ Bern, Switzerland
2 Univ Calif Davis, USA
2 Univ Giessen, Germany
2 Univ Queensland, Australia
2 Univ Tennessee, USA
2 Washington State Univ, USA
(und weitere 24 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Thomas WB
Inflammatory diseases of the central nervous system in dogs

6 Ducote JM, Johnson KE, Dewey CW, Walker MA, Coates JR, Berridge BR
Computed tomography of necrotizing meningoencephalitis in 3 Yorkshire Terriers

6 Lotti D, Capucchio MT, Gaidolfi E, Merlo M
Necrotizing encephalitis in a Yorkshire Terrier: Clinical, imaging, and pathologic findings

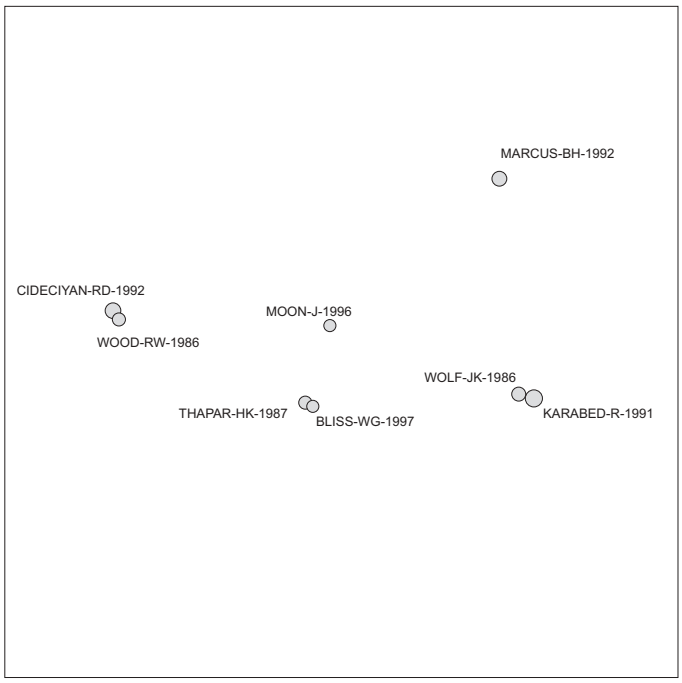
5 Thomas WB
Nonneoplastic disorders of the brain

4 Garma-Avina A, Tyler JW
Large granular lymphocyte pleocytosis in the cerebrospinal fluid of a dog with necrotizing meningoencephalitis

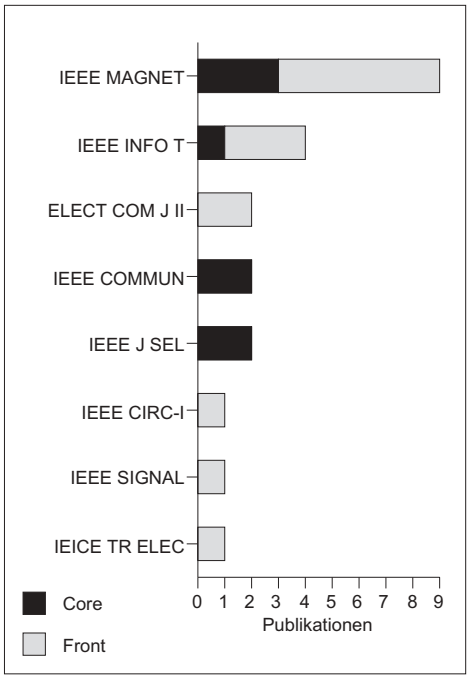
CH-Cluster 691: Magnetic Recording; Partial-response Channels; High-Density Magnetic Recording; Digital Magnetic Recording; Magnetic Recording Channel

8 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

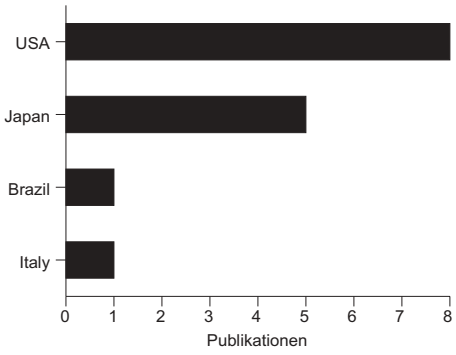


Akteure (Forschungsfront)

Institutionen

3 Ehime Univ, Japan
2 Hitachi Ltd, Japan
2 Univ Calif San Diego, USA
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

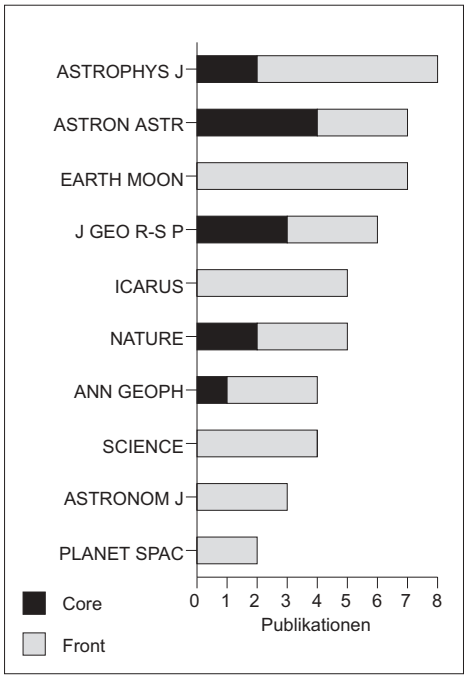
6 Karabed R, Siegel PH, Soljanin E
Constrained coding for binary channels with high intersymbol interference
5 Osawa H, Okamoto Y, Saito H
Signal processing technologies for high-density digital magnetic recording
4 Tsukano K, Nishiya T, Hirai T, Nara T
Simplified EEPR Viterbi detector based on a transformed radix-4 trellis for a disk drive
4 Uchoa BF, Herro MA, Costello DJ
A multilevel approach to constructing trellis-matched codes for binary-input partial-response channels

CH-Cluster 708: Comet Grigg-Skjellerup; Comet Halley; Comet P/Halley; Comet Hale-Bopp (C/1995-o1); Halley Comet

18 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

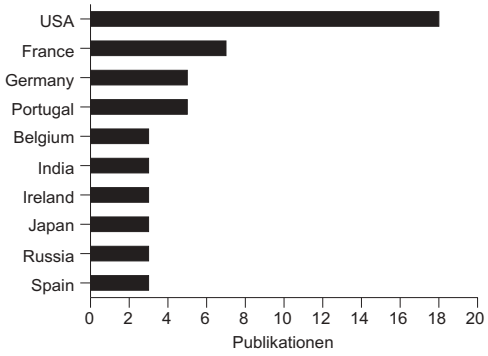


Akteure (Forschungsfront)

Institutionen

5 Inst Super Tecn, Portugal
4 CALTECH, USA
4 SW Res Inst, USA
3 Johns Hopkins Univ, USA
3 Univ Arizona, USA
3 Univ Calif Berkeley, USA
(und 73 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

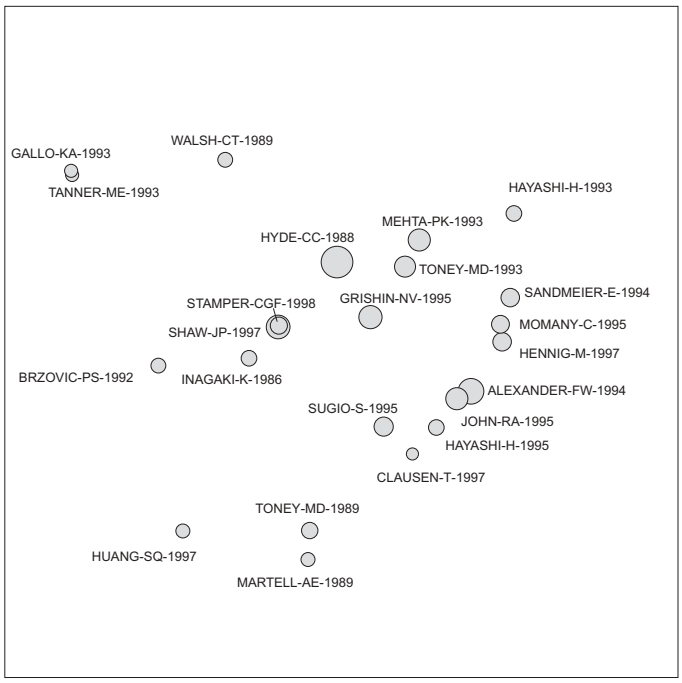
6 Biver N, Bockelee-Morvan D, Crovisier J, Davies JK, Matthews HE, Wink JE, Rauer H, Colom P, Dent WRF, Despois D, Moreno R, Paubert G, Jewitt D, Senay M
Spectroscopic monitoring of comet C/1996 B2 (Hyakutake) with the JCMT and IRAM radio telescopes

6 Cottin H, Gazeau MC, Raulin F
Cometary organic chemistry: a review from observations, numerical and experimental simulations

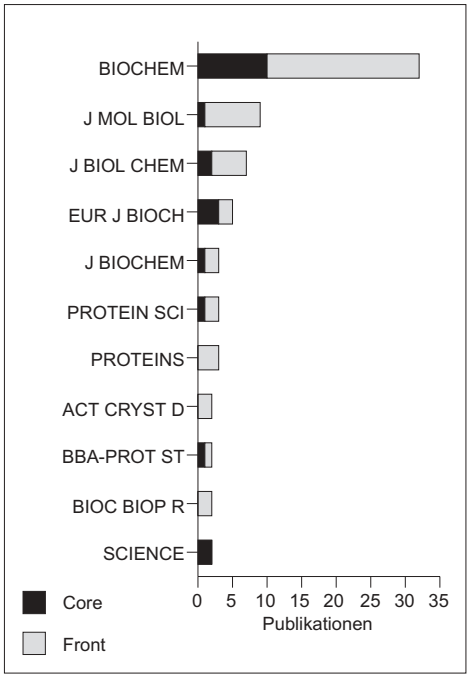
CH-Cluster 744: Structure; Alanine Racemase; Glutamate Racemase; Enzymes; Crystal-Structure

23 Kernpublikationen / 65 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

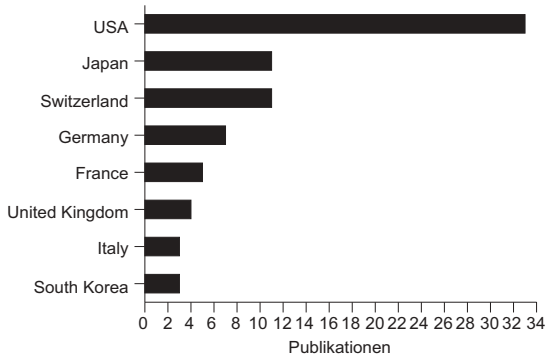


Akteure (Forschungsfront)

Institutionen

8 Univ Basel, Switzerland
4 Kansai Univ, Japan
4 Kyoto Univ, Japan
4 Max Planck Inst Biochem, Germany
4 Yeshiva Univ Albert Einstein Coll Med, USA
3 Korea Inst Sci & Technol, South Korea
3 MIT, USA
3 Univ Calif Berkeley, USA
3 Univ Texas, USA
3 Univ Zurich, Switzerland
(und 69 weitere Institutionen)

Länder



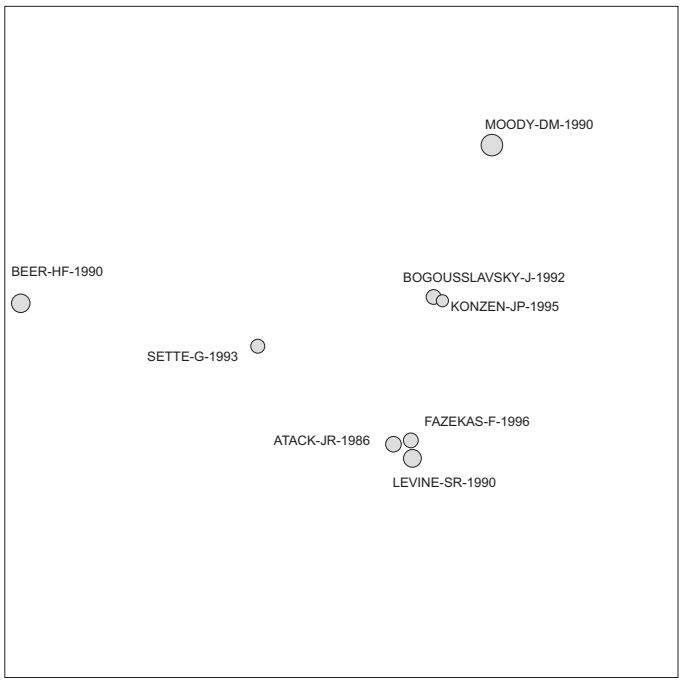
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

14 Jansonius JN
Structure, evolution and action of vitamin B-6-dependent enzymes
9 Kern AD, Oliveira MA, Coffino P, Hackert ML
Structure of mammalian ornithine decarboxylase at 1.6 angstrom resolution: stereochemical implications of PLP-dependent amino acid decarboxylases

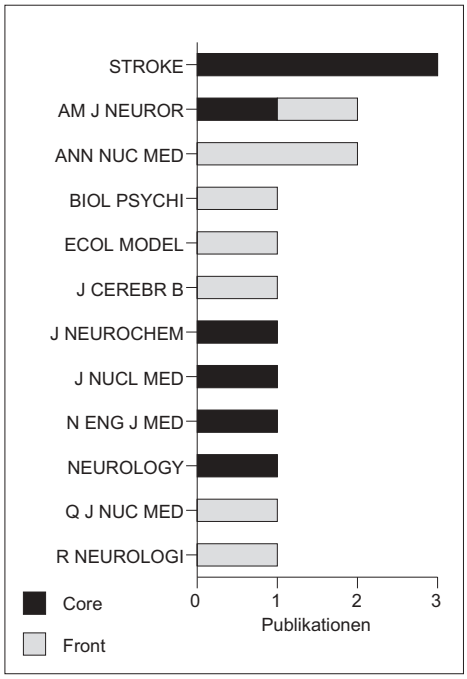
CH-Cluster 750: Alkaloidal Cocaine; Benzodiazepine Receptors; Brain Benzodiazepine Receptor Changes; Transient Cerebral Ischemic Attacks; Cerebral Vascular Pattern That Predict Vulnerability

8 Kernpublikationen / 8 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

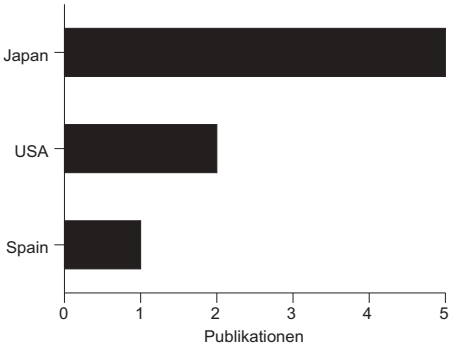


Akteure (Forschungsfront)

Institutionen

2 Fukui Med Sch, Japan
2 Kyoto Univ Hosp, Japan
2 Kyoto Univ, Japan
2 N Little Rock VA Med Ctr, USA
2 NIDA, USA
2 Shiga Med Ctr Adults, Japan
2 Univ Arkansas Med Sci, USA
2 Univ Calif Los Angeles, USA
(und weitere 8 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

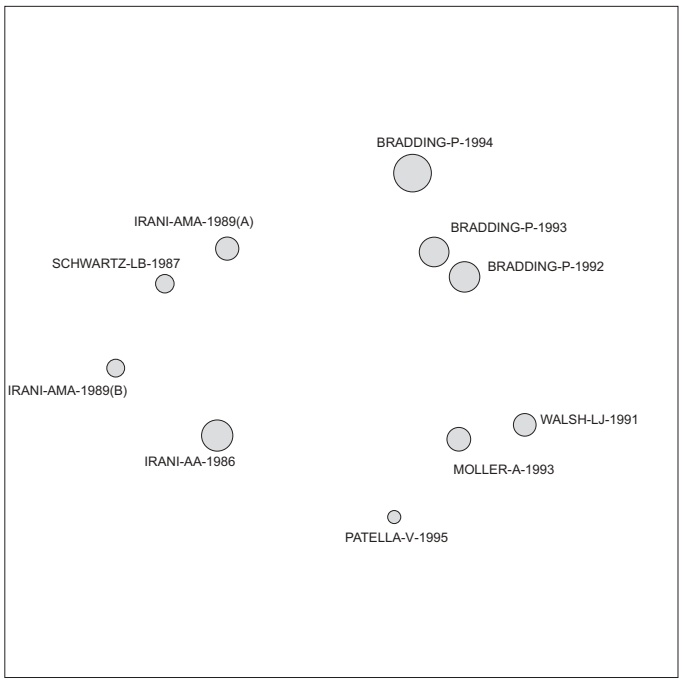
7 Bartzokis G, Goldstein IB, Hance DB, Beckson M, Shapiro D, Lu PH, Edwards N, Mintz J, Bridge P
The incidence of T2-weighted MR imaging signal abnormalities in the brain of cocaine-dependent patients is age-related and region-specific

7 Bartzokis G, Beckson M, Hance DB, Lu PH, Foster JA, Mintz J, Ling W, Bridge P
Magnetic resonance imaging evidence of "silent" cerebrovascular toxicity in cocaine dependence

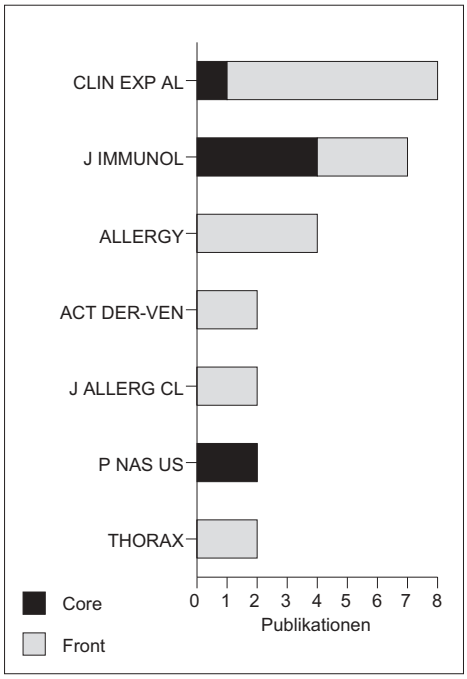
CH-Cluster 760: Human Mast-Cells; Human Mast-Cell; Human Dermal Mast-Cells Contain; Human Mast-Cells Produce IL-8; Normal

10 Kernpublikationen / 52 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

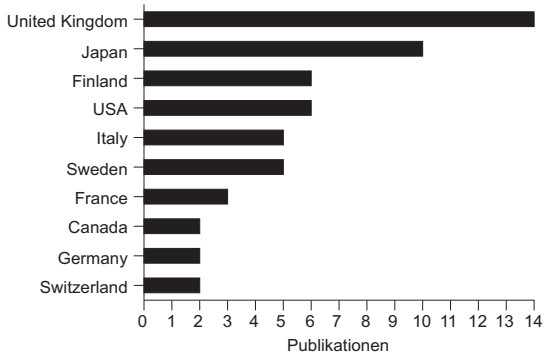


Akteure (Forschungsfront)

Institutionen

6 Univ Southampton, United Kingdom
4 Univ Naples Federico II, Italy
3 Gunma Univ, Japan
3 Kuopio Univ Hosp, Finland
3 Southampton Gen Hosp, United Kingdom
2 Glenfield Gen Hosp, United Kingdom
2 Humboldt Univ, Germany
2 Juntendo Univ, Japan
2 Natl Heart & Lung Inst, United Kingdom
2 Univ Helsinki, Finland
2 Univ London Imperial Coll Sci Technol & Med, United Kingdom
2 Virginia Commonwealth Univ, USA
(und weitere 61 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

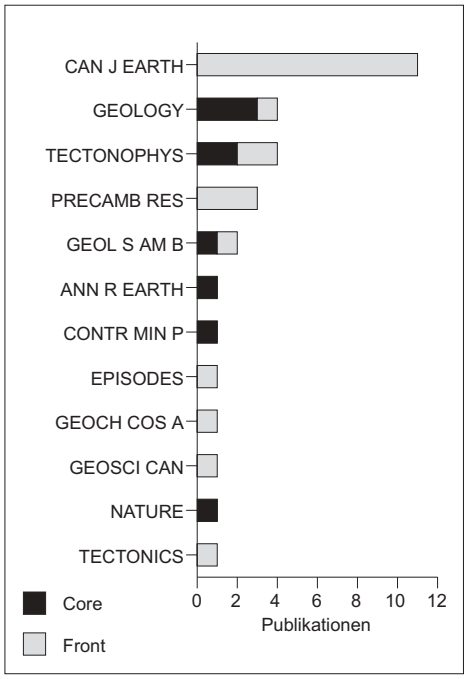
6 Krogstad AL
Neurogenic control of blood flow and histamine release in psoriatic skin
5 Bradding P, Holgate ST
Immunopathology and human mast cell cytokines
5 Frangogiannis NG, Burns AR, Michael LH, Entman ML
Histochemical and morphological characteristics of canine cardiac mast cells
5 Marone G, de Crescenzo G, Florio G, Granata F, Dente V, Genovese A
Immunological modulation of human cardiac mast cells

CH-Cluster 768: Trans-Hudson Orogen Canada; Flin-Flon Belt Trans-Hudson Orogen Canada; Flin-Flon Belt Canada; Proterozoic History; Proterozoic Collision Zone Surprises

9 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

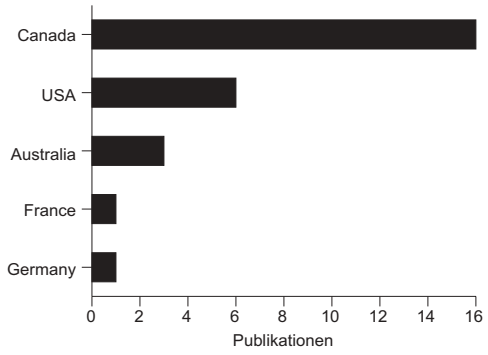


Akteure (Forschungsfront)

Institutionen

10 Geol Survey Canada, Canada
5 Univ Saskatchewan, Canada
4 Univ Regina, Canada
2 Mem Univ Newfoundland, Canada
2 Saskatchewan Geol Survey, Canada
2 Univ Alberta, Canada
2 Univ British Columbia, Canada
(und weitere 31 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

6 Ansdell KM, Connors KA, Stern RA, Lucas SB
Coeval sedimentation, magmatism, and fold-thrust belt development in the Trans-Hudson Orogen: geochronological evidence from the Wekusko Lake area, Manitoba, Canada

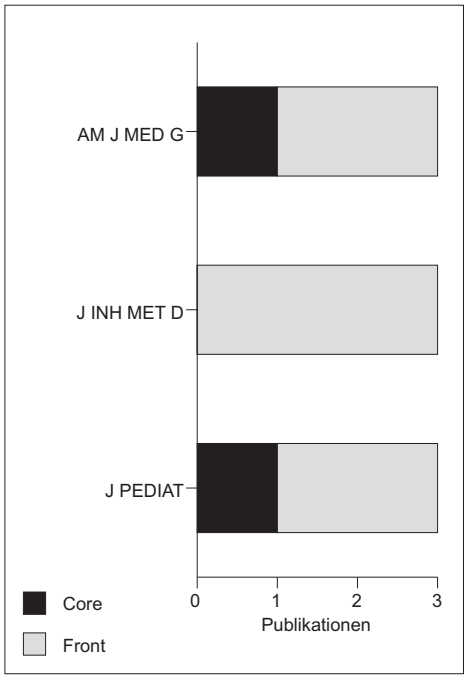
6 Clowes R, Cook F, Hajnal Z, Hall J, Lewry J, Lucas S, Wardle R
Canada's LITHOPROBE Project (Collaborative, multidisciplinary geoscience research leads to new understanding of continental evolution)

CH-Cluster 776: Isolated Noncompaction; Myocardium; 3-Methylglutaconic Aciduria; Left-Ventricular Myocardium; Ventricular Myocardium

8 Kernpublikationen / 18 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

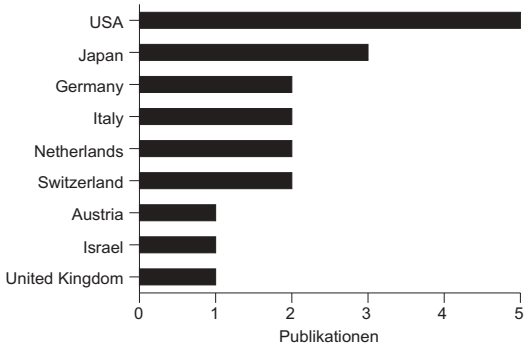


Akteure (Forschungsfront)

Institutionen

2 Texas Childrens Hosp, USA
2 Univ Amsterdam, Netherlands
2 Univ Zurich Hosp, Switzerland
(und weitere 47 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Ichida F, Hamamichi Y, Miyawaki T, Ono Y, Kamiya T, Akagi T, Hamada H, Hirose O, Isobe T, ...
Clinical features of isolated noncompaction of the ventricular myocardium - Long-term clinical course, hemodynamic properties, and genetic background

6 Matsuda M, Tsukahara M, Kondoh O, Mito H
Familial isolated noncompaction of ventricular myocardium

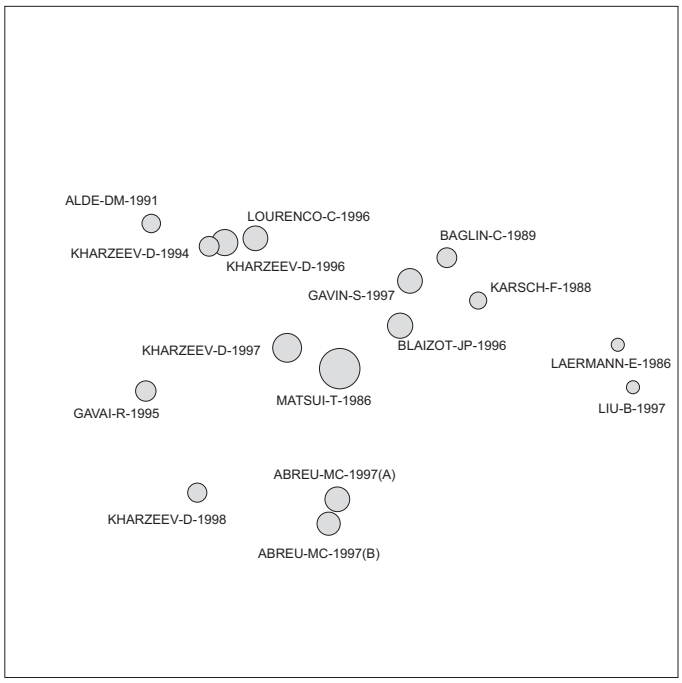
5 Agmon Y, Connolly HM, Olson LJ, Khandheria BK, Seward JB
Noncompaction of the ventricular myocardium

5 Barth PG, Wanders RJA, Vreken P, Janssen EAM, Lam J, Baas F
X-linked cardioskeletal myopathy and neutropenia (Barth syndrome) (MIM 302060)

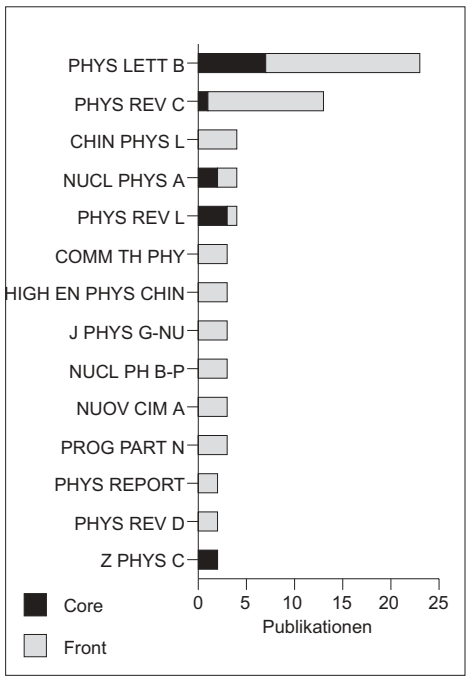
CH-Cluster 777: J/psi; J/psi Suppression; Charmonium Suppression; Pb-Pb Interactions; Anomalous J/psi Suppression

16 Kernpublikationen / 66 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

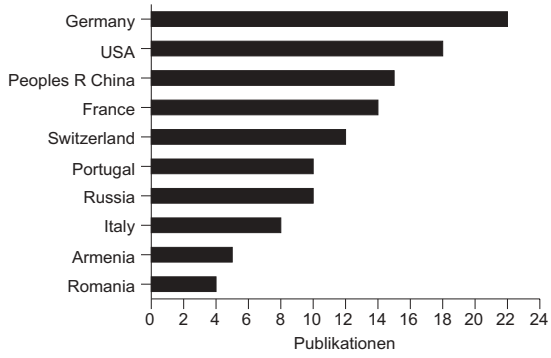


Akteure (Forschungsfront)

Institutionen

12 CERN, Switzerland
9 Acad Sinica, Peoples R China
9 Univ Blaise Pascal, France
8 Ecole Polytech, France
8 Univ Frankfurt, Germany
8 Univ Lyon 1, France
8 Univ Paris Sud, France
7 CCAST, Peoples R China
7 LIP, Portugal
7 Univ Tecn Lisbon, Portugal
(und 100 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

12 Vogt R
J/psi production and suppression

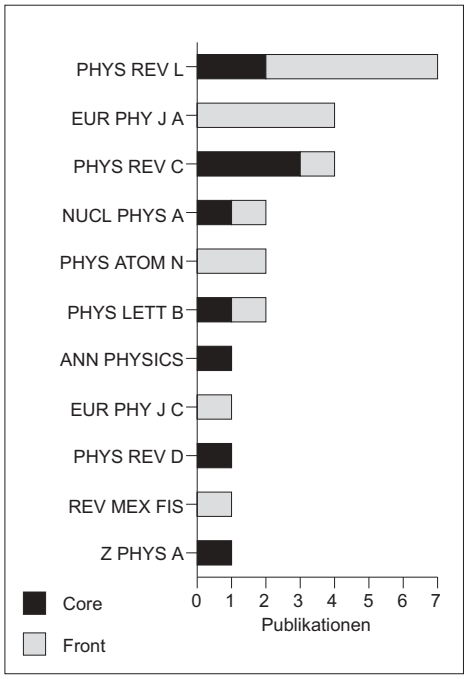
10 Spieles C, Vogt R, Gerland L, Bass SA, Bleicher M, Stocker H, Greiner W
Modeling J/psi production and absorption in a microscopic nonequilibrium approach - art. no. 054901

CH-Cluster 784: Neutron; Neutron Electric Form-Factor; Measurement; Electric; Electric Form-Factor

10 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

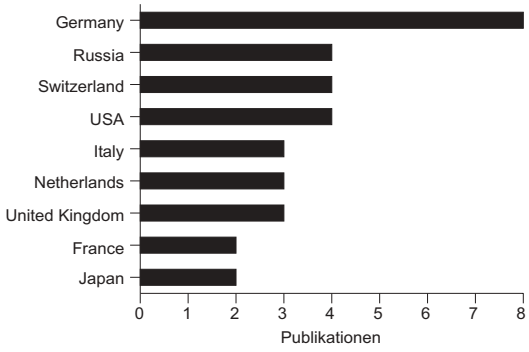


Akteure (Forschungsfront)

Institutionen

5 Univ Mainz, Germany
4 Univ Tubingen, Germany
3 Arizona State Univ, USA
3 ETH Zurich, Switzerland
3 Ist Nazl Fis Nucl, Italy
3 Univ Bonn, Germany
3 Univ Glasgow, United Kingdom
3 Univ Virginia, USA
(und weitere 32 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Passchier I, Alarcon R, Bauer TS, Boersma D, van den Brand JFJ, van Buuren LD, Bulten HJ, ...
Charge form factor of the neutron from the reaction (2)(H)over- right-arrow((e)over-right- arrow,e ' n)p

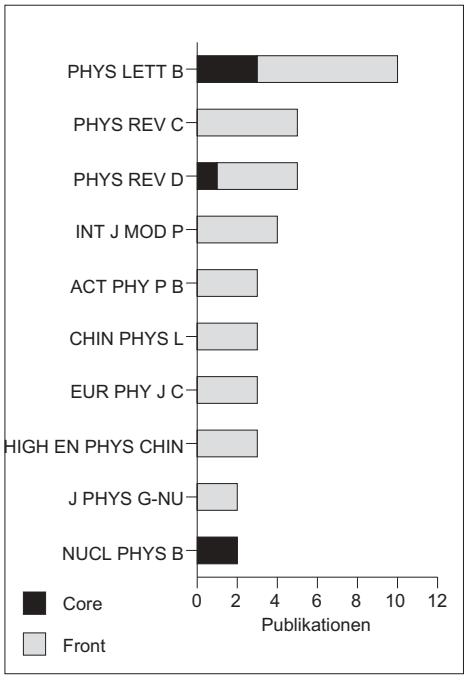
7 Becker J, Andresen HG, Annand JRM, Aulenbacher K, Beuchel K, Blume-Werry J, Dombo T, ...
Determination of the neutron electric form factor from the reaction He-3(e, e ' n) at medium momentum transfer

CH-Cluster 808: Intermittency; Intermittency Parameters; Study Intermittency; Multidimensional Intermittency Analysis; High-Energy

9 Kernpublikationen / 40 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

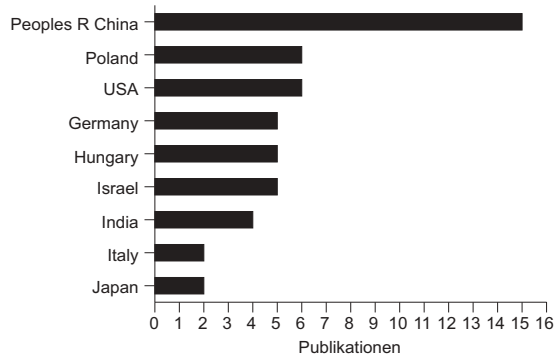


Akteure (Forschungsfront)

Institutionen

9 Huazhong Normal Univ, Peoples R China
5 Univ Oregon, USA
4 POB 39953, Israel
3 Free Univ Berlin, Germany
3 Inst Nucl Phys, Poland
3 Jagiellonian Univ, Poland
3 Jingzhou Teachers Coll, Peoples R China
3 Univ Sci & Technol China, Peoples R China
(und weitere 53 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Chen G, Liu LS, Gao YN
On the factorial moment analysis of high energy experimental data with noninteger partition number

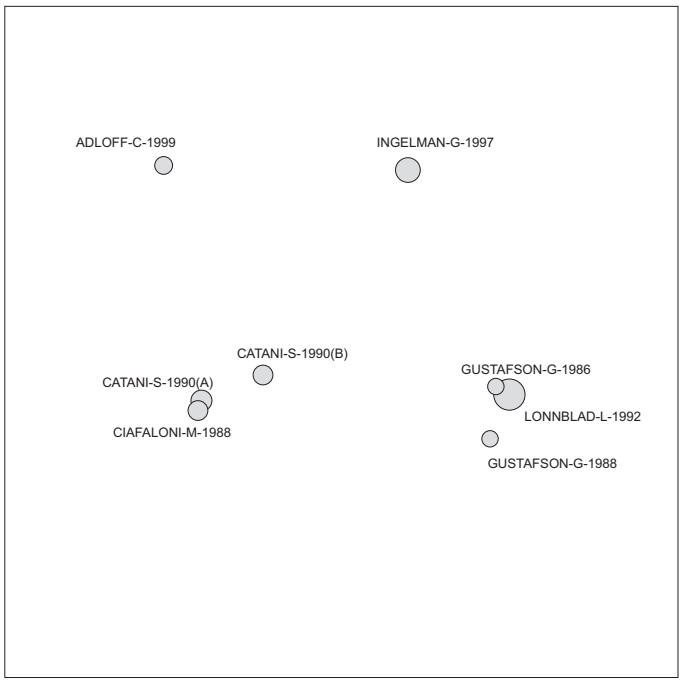
5 Liu F, Liu RM, Liu LS
Qualitative difference between the dynamics of particle production in soft and hard processes of high energy collisions - art. no. 114020.

5 Yang Z
Characteristic plot of pomeron-exchange processes in diffractive DIS

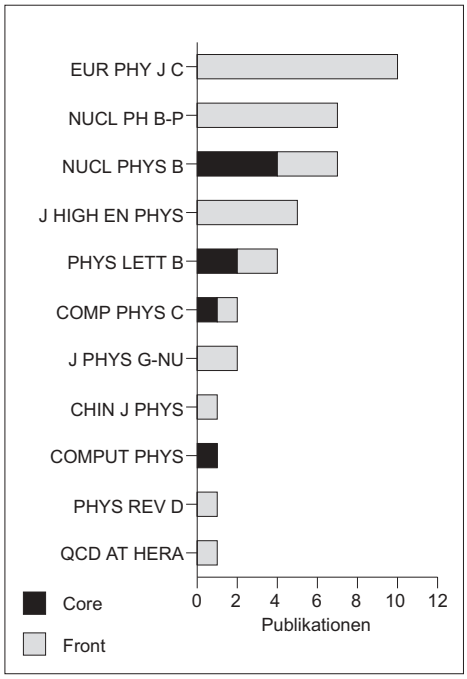
CH-Cluster 812: Initial State Radiation; QCD Cascades; QCD Coherence; Perturbative QCD; QCD Cascades Implementing

8 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

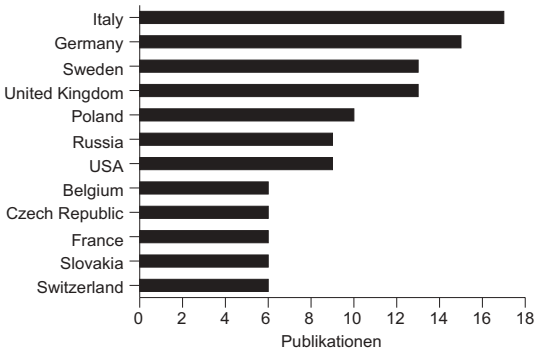


Akteure (Forschungsfront)

Institutionen

13 Univ Lund, Sweden
11 Ist Nazl Fis Nucl, Italy
10 Univ Hamburg, Germany
9 DESY, Germany
9 Inst Nucl Phys, Poland
9 Rutherford Appleton Lab, United Kingdom
8 Max Planck Inst Phys, Germany
7 Max Planck Inst Kernphys, Germany
7 Rhein Westfal TH Aachen, Germany
7 Univ Heidelberg, Germany
7 Univ Manchester, United Kingdom
(und weitere 99 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Adloff C, Andreev V, Andrieu B, Arkadov V, Astvatsatourov A, Ayyaz I, Babaev A, Bahr J, Baranov P ...
Forward pi degrees-meson production at HERA

6 Adloff C, Anderson M, Andreev V, Andrieu B, Arkadov V, Arndt C, Ayyaz I, Babaev A, Bahr J, Ban J ...
Forward jet and particle production at HERA

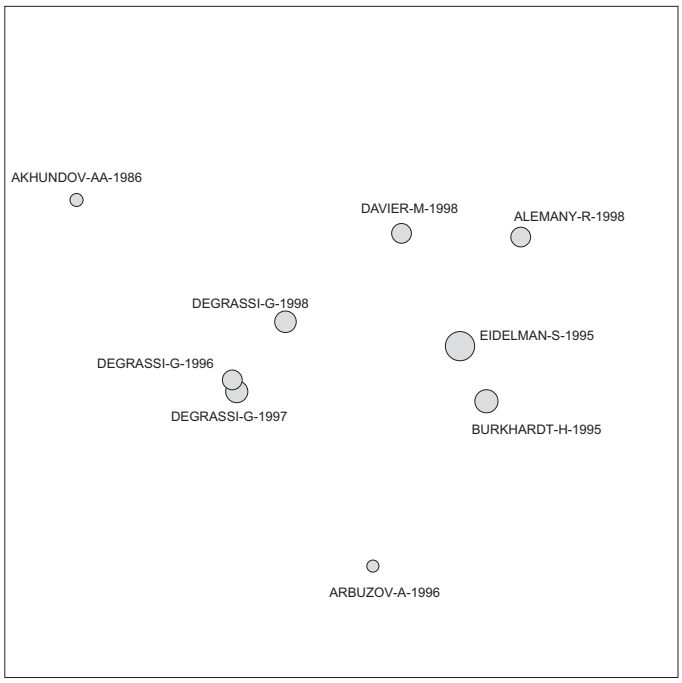
5 Breitweg J, Chekanov S, Derrick M, Krakauer D, Magill S, Musgrave B, Repond J, Stanek R, Yoshida R ...
Measurement of multiplicity and momentum spectra in the current and target regions of the Breit frame in Deep Inelastic Scattering at HERA

5 Kharraziha H, Lonnblad L
LDCMC version 1.0

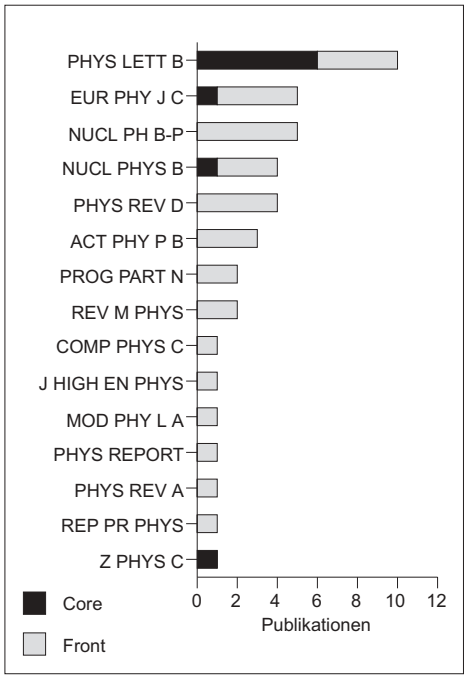
CH-Cluster 823: Hadronic Contribution; Improved Determination; Hadronic Contributions; Hadronic Tau-Decays; Muon

9 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

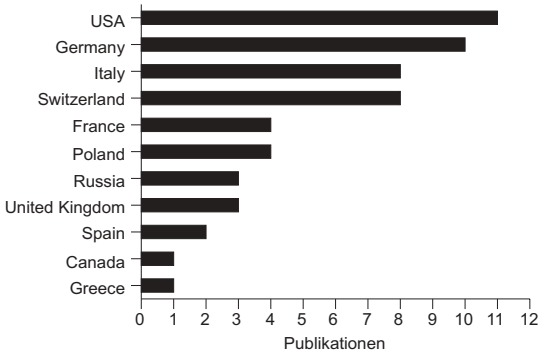


Akteure (Forschungsfront)

Institutionen

7 Ist Nazl Fis Nucl, Italy
5 CERN, Switzerland
4 Inst Nucl Phys, Poland
4 Univ Karlsruhe, Germany
3 Univ Tennessee, USA
2 Brookhaven Natl Lab, USA
2 CNRS, France
2 Tech Univ Munich, Germany
2 Univ Barcelona, Spain
2 Univ Mainz, Germany
2 Univ Pavia, Italy
(und weitere 38 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

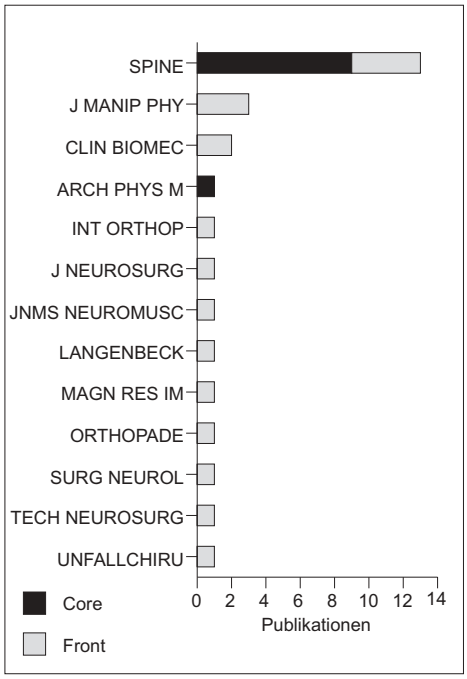
8 Grunewald MW
Experimental tests of the electroweak standard model at high energies
7 Hollik W
Precision tests of the standard model
6 D'Agostini G, Degrassi G
On the Higgs boson mass from direct searches and precision measurements
6 Novikov VA, Okun LB, Rozanov AN, Vysotsky MI
Theory of Z boson decays

CH-Cluster 856: Cervical-Spine; Upper Cervical-Spine; Rotatory Instability; Cervical-Spine Flexion Extension; CT-Functional Diagnostics

10 Kernpublikationen / 18 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

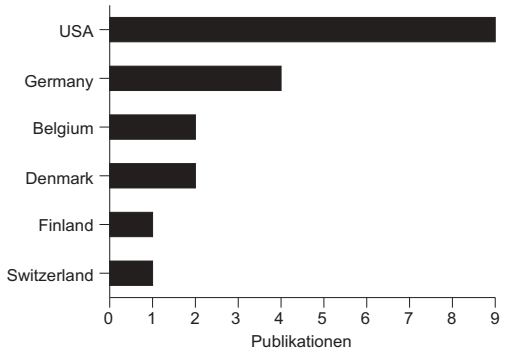


Akteure (Forschungsfront)

Institutionen

2 Free Univ Brussels, Belgium
2 Life Chiropract Coll W, USA
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

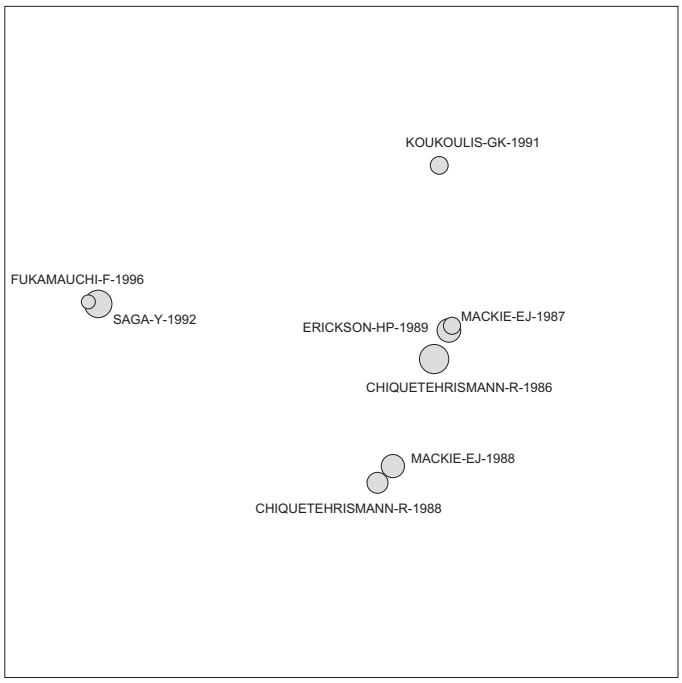
6 Chen J, Solinger AB, Poncet JF, Lantz CA
Meta-analysis of normative cervical motion

5 Schops P, Stabler A, Petri U, Schmitz U, Seichert N
Reliability of functional radiograph analysis of cervical spine flexion and extension

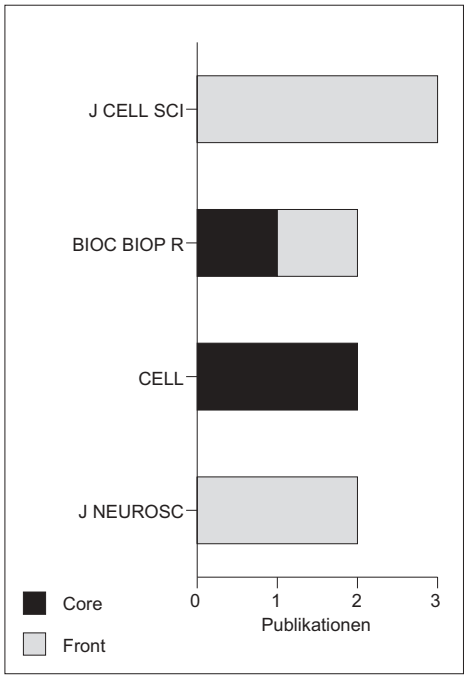
CH-Cluster 862: Tenascin; Tenascin Interferes; Tenascin Is; Tenascin Gene Knockout Mouse; Mice Develop Normally Without Tenascin

8 Kernpublikationen / 36 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



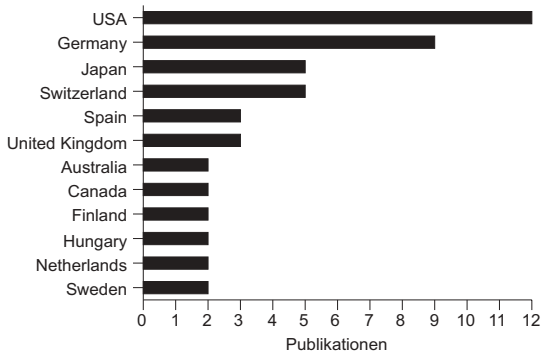
Akteure (Forschungsfront)

Institutionen

2 ETH Zuerich, Switzerland
2 Free Univ Berlin, Germany
2 Friedrich Miescher Inst, Switzerland
2 Mie Univ, Japan
2 Univ Calif Davis, USA
2 Univ Erlangen Nurnberg, Germany
2 Vet Affairs Med Ctr, USA

(und weitere 66 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Whitlon DS, Zhang XL, Kusakabe M
Tenascin-C in the cochlea of the developing mouse

5 Mackie EJ, Tucker RP
The tenascin-C knockout revisited

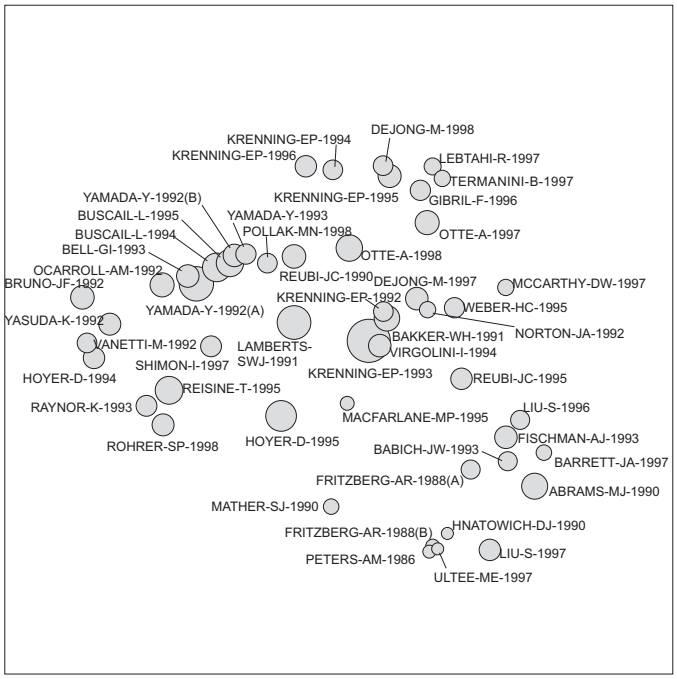
5 Pilch H, Schaffer U, Schlenger K, Lautz A, Tanner B, Hockel M, Knapstein PG
Expression of tenascin in human cervical cancer - Association of tenascin expression with clinicopathological parameters

5 Talts JF, Wirl G, Dictor M, Muller WJ, Fassler R
Tenascin-C modulates tumor stroma and monocyte macrophage recruitment but not tumor growth or metastasis in a mouse strain with spontaneous mammary cancer

CH-Cluster 863: Somatostatin Receptors; Somatostatin Receptor Scintigraphy; Somatostatin; Somatostatin Analogs; Pituitary Somatostatin Receptor

50 Kernpublikationen / 206 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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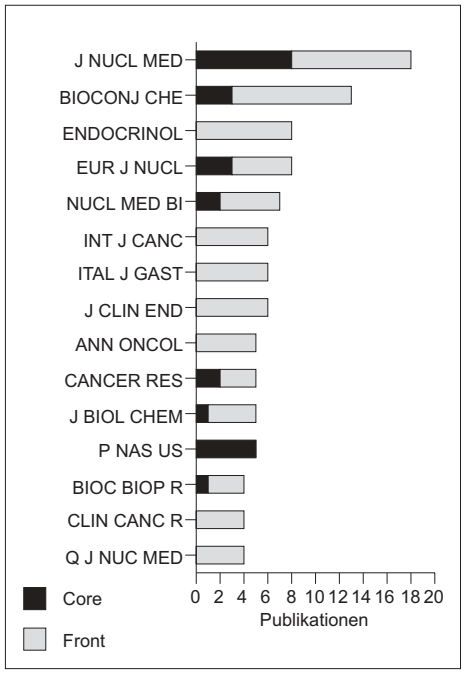
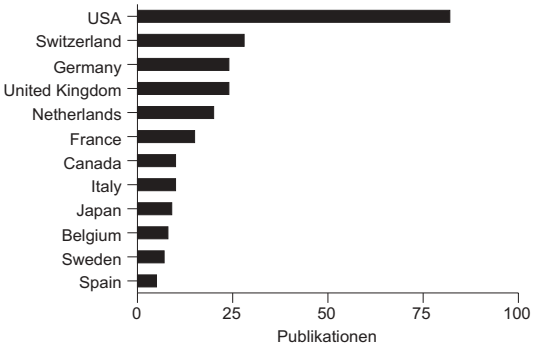


Akteure (Forschungsfront)

Institutionen

12 Univ Hosp Dijkzigt, Netherlands
11 Uni Basel, Switzerland
11 Univ Cambridge, United Kingdom
9 Erasmus Univ, Netherlands
9 Tulane Univ, USA
9 Univ Bern, Switzerland
8 Novartis Pharma AG, Switzerland
8 Washington Univ, USA
(und weitere 229 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

13 Krenning EP, de Jong M, Kooij PPM, Breeman WAP, Bakker WH, de Herder WW, van Eijck CHJ, Kwekkeboom DJ, Jamar F, Pauwels S, Valkema R
Radiolabelled somatostatin analogue(s) for peptide receptor scintigraphy and radionuclide therapy

13 Patel YC
Somatostatin and its receptor family

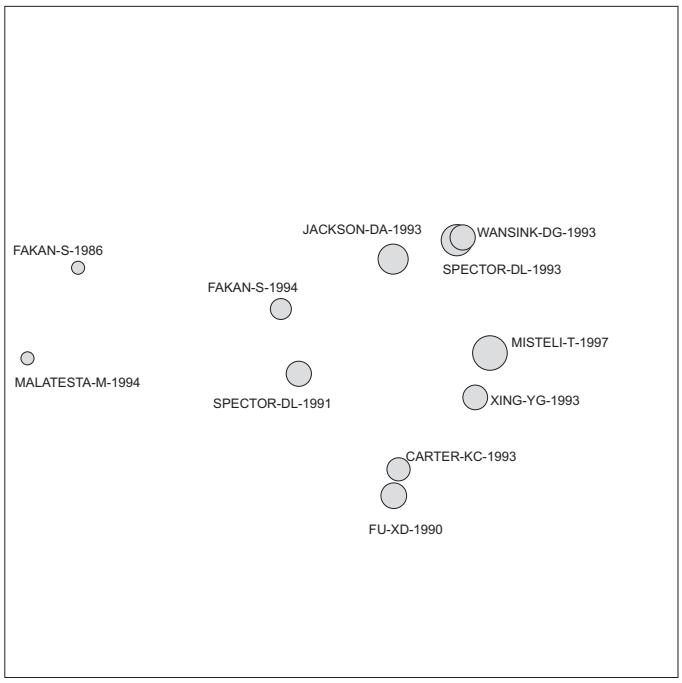
12 Janson ET, Oberg K
Somatostatin receptor ligands and their use in the treatment of endocrine disorders

12 Liu S, Edwards DS
Tc-99m-Labeled small peptides as diagnostic radiopharmaceuticals

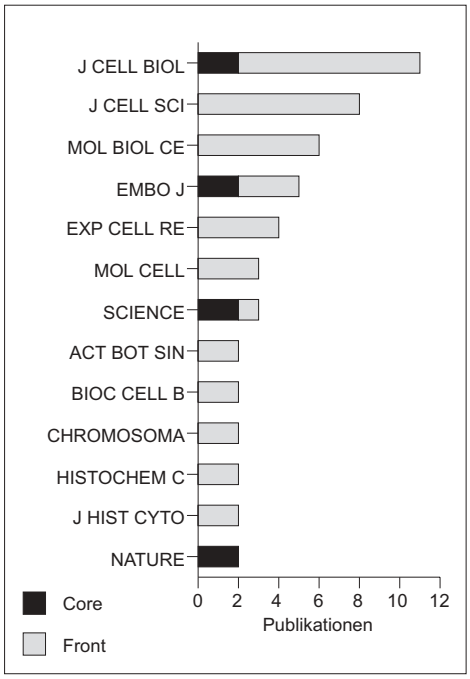
CH-Cluster 864: Nucleus; Cell-Nucleus; RNA Splicing; Mammalian Nucleus; Macromolecular Domains Within

11 Kernpublikationen / 63 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

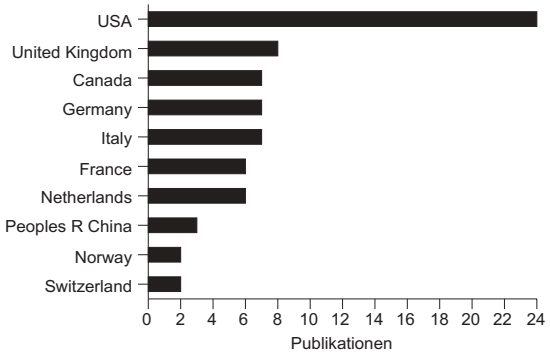


Akteure (Forschungsfront)

Institutionen

4 Univ Amsterdam, Netherlands
3 CNRS, France
3 Cold Spring Harbor Lab, USA
3 Univ Dundee, United Kingdom
3 Univ Oxford, United Kingdom
(und weiter 80 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Cmarko D, Verschure PJ, Martin TE, Dahmus ME, Krause S, Fu XD, van Driel R, Fakan S
Ultrastructural analysis of transcription and splicing in the cell nucleus after bromo-UTP microinjection

8 Wei XY, Somanathan S, Samarabandu J, Berezney R
Three-dimensional visualization of transcription sites and their association with splicing factor-rich nuclear speckles

7 Jolly C, Vourc'h C, Robert-Nicoud M, Morimoto RI
Intron-independent association of splicing factors with active genes

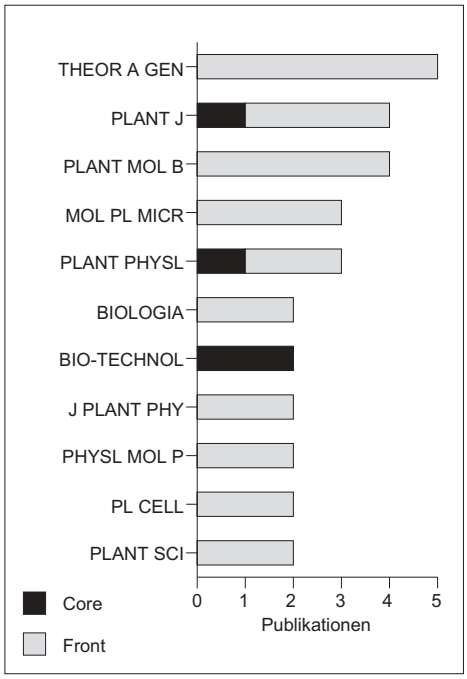
7 Snaar SP, Vincent M, Dirks RW
RNA polymerase II localizes at sites of human cytomegalovirus immediate-early RNA synthesis and processing

CH-Cluster 884: Fungal Growth; Transgenic Tobacco; Chitinase; Enhanced Resistance; Resistance

8 Kernpublikationen / 43 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

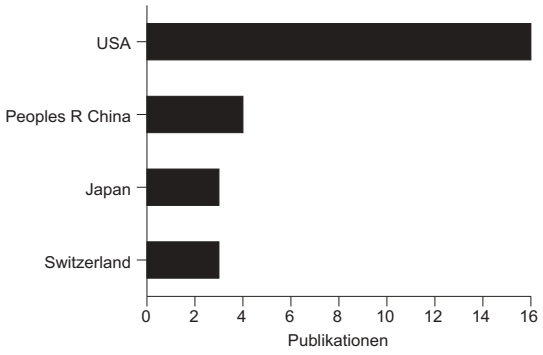


Akteure (Forschungsfront)

Institutionen

5 Kansas State Univ, USA
3 USDA ARS, USA
2 Agr Res Org, Israel
2 ARS, USA
2 ETH Zurich, Switzerland
2 Nanjing Agr Univ, Peoples R China
2 Natl Inst Agrobiol Resources, Japan
2 Tamil Nadu Agr Univ, India
(und weitere 45 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Bliffeld M, Mundy J, Potrykus I, Futterer J
Genetic engineering of wheat for increased resistance to powdery mildew disease

6 Honee G
Engineered resistance against fungal plant pathogens

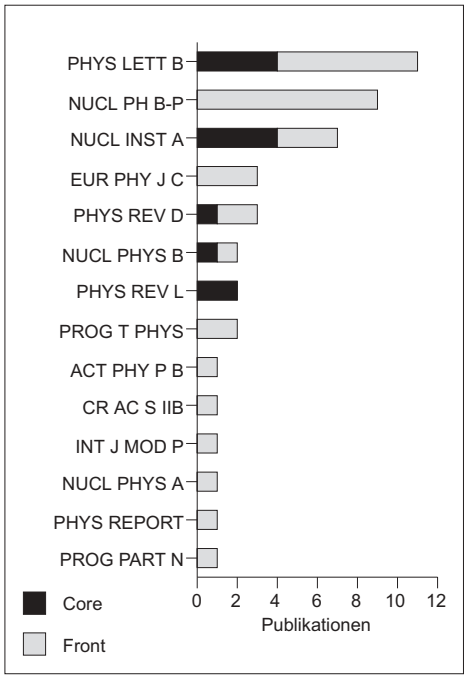
6 Schultze M, Staehelin C, Brunner F, Genetet I, Legrand M, Fritig B, Kondorosi E, Kondorosi A
Plant chitinase/lysozyme isoforms show distinct substrate specificity and cleavage site preference towards lipochitooligosaccharide Nod signals

CH-Cluster 893: Search; Neutrino Oscillations; Nu(Mu)-]Nu(Tau) Oscillation; Nu(Mu)-]Nu(Tau) Oscillations Using; Nomad

12 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

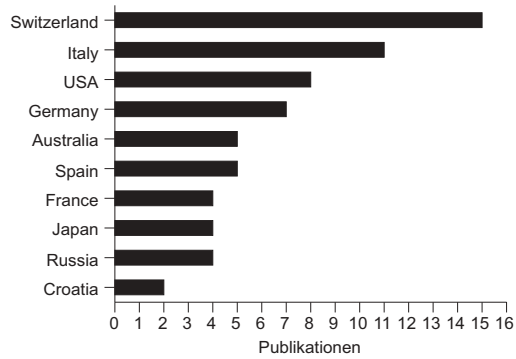


Akteure (Forschungsfront)

Institutionen

13 CERN, Switzerland
8 Ist Nazl Fis Nucl, Italy
5 ETH Zurich, Switzerland
5 Univ Dortmund, Germany
5 Univ Sydney, Australia
4 Univ Melbourne, Australia
4 Univ Padua, Italy
(und weitere 63 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Geiser A
Distinction of atmospheric nu(mu)-nu(tau) and nu(mu)-nu(s) oscillations using short or intermediate baseline experiments

5 Astier P, Autiero D, Baldisseri A, Baldo-Ceolin M, Ballocchi G, Banner M, Bassompierre G, Benslama K,
A more sensitive search for nu(mu) -> nu(tau) oscillations in NOMAD

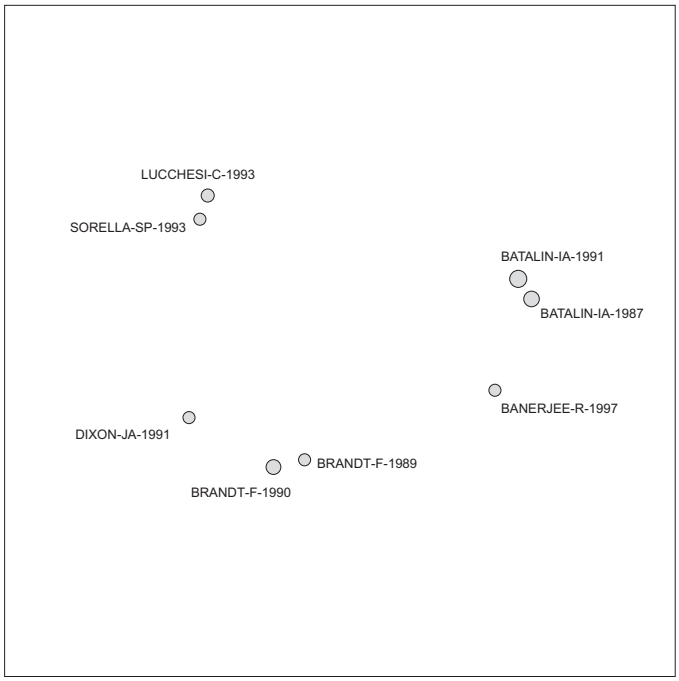
5 Rubbia A
Review on neutrino oscillations
ACTA PHYSICA POLONICA B, 1999, 30, 7, 2351-2398

5 Soler FJP
Results from the NOMAD experiment on nu(mu) <-> nu(tau) oscillations

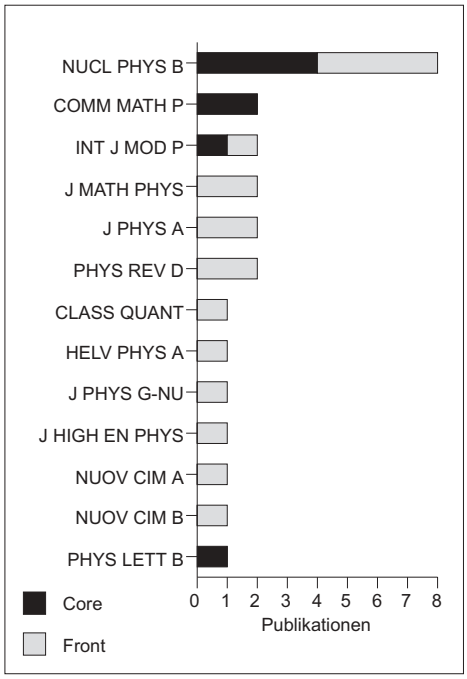
CH-Cluster 907: Consistency Conditions; Generalized Stuckelberg Formalism; Generalized Canonical Formalism; Wess-Zumino Consistency Conditions; 2nd-Class Constraints

8 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

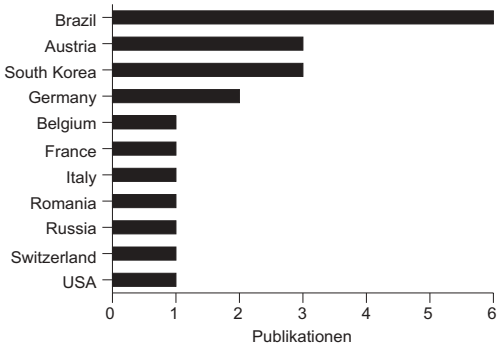


Akteure (Forschungsfront)

Institutionen

3 Sogang Univ, South Korea
3 Univ Fed Rio de Janeiro, Brazil
3 Vienna Tech Univ, Austria
2 Ctr Brasileiro Pesquisas Fis, Brazil
2 Max Planck Inst Phys, Germany
(und weitere 12 Institutionen)

Länder



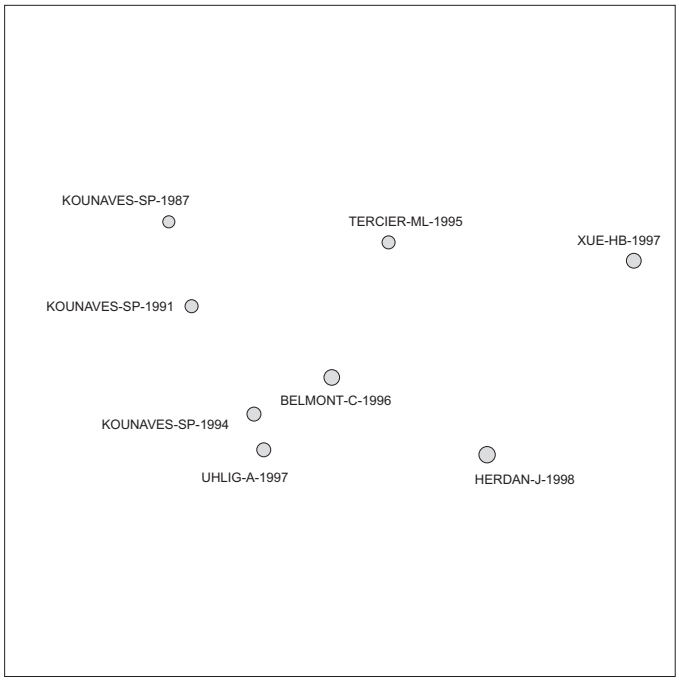
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Amorim R, Thibes R
On the Batalin, Fradkin, Fradkina, and Tyutin quantization of first order systems
5 Vilar LCQ, Sorella SP, Sasaki CAG
Zero curvature formalism of the four-dimensional Yang-Mills theory in superspace

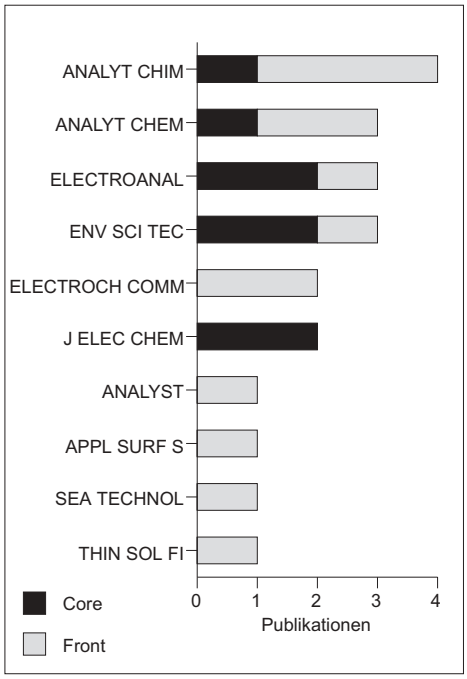
CH-Cluster 919: In-Situ Measurements; Mercury-Plated Iridium-Based Microelectrode Arrays; Iridium-Based Mercury-Film Electrode Selection; Iridium-Based Ultramicroelectrode Array Fabricated; In-Situ Screening

8 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

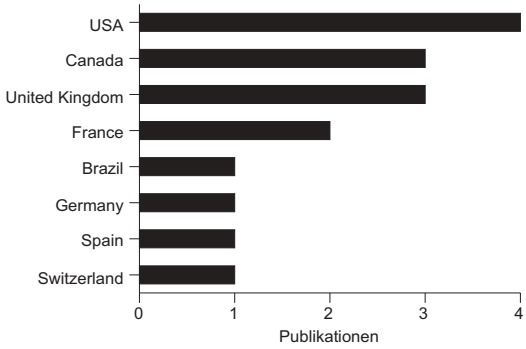


Akteure (Forschungsfront)

Institutionen

2 Tufts Univ, USA
2 Univ Oxford, United Kingdom
(und weitere 15 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Le Drogoff B, El Khakani MA, Silva PRM, Chaker M, Ross GG
Surface properties of pulsed laser deposited Ir, Rh, and Ir0.9Rh0.1 thin films for use as microelectrode arrays in electroanalytical heavy metal trace sensors

6 Silva PRM, El Khakani MA, Chaker M, Champagne GY, Chevalet J, Gastonguay L, Lacasse R, Ladouceur M
Development of Hg-electroplated-iridium based microelectrode arrays for heavy metal traces analysis

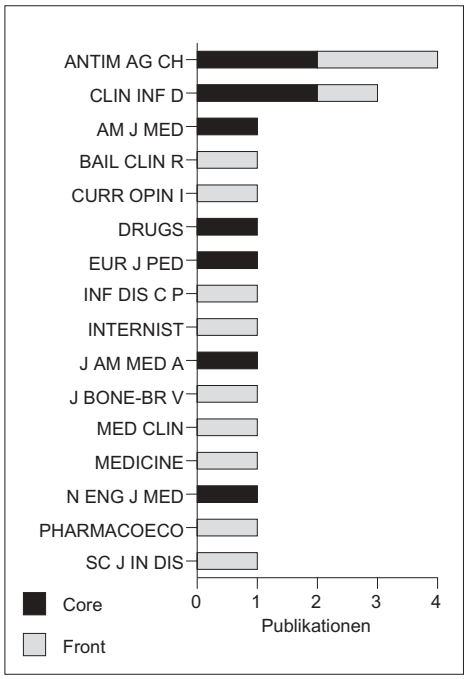
5 Feeney R, Kounaves SP
Determination of heterogeneous electron transfer rate constants at microfabricated iridium electrodes

CH-Cluster 932: Treatment; Osteomyelitis; Bacterial Osteomyelitis; Acute Osteomyelitis; Chronic Osteomyelitis

8 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

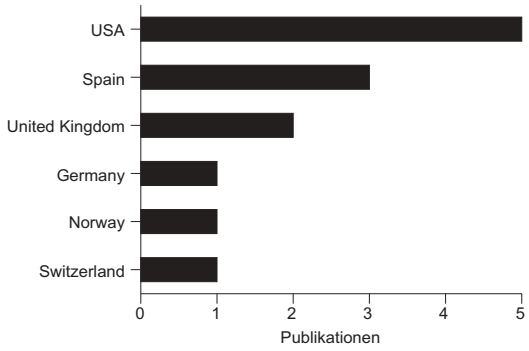


Akteure (Forschungsfront)

Institutionen

1 Barnet Gen Hosp, United Kingdom
1 Cent Hosp Akershus, Norway
1 Charles R Drew Univ Med & Sci, USA
1 Div Infect Dis, USA
1 Edgware Community Hosp, United Kingdom
1 Harstad Hosp, Norway
1 Hosp Gen Univ Gregorio Maranon, Spain
1 Hosp Viladecans, Spain
1 Mayo Clin & Mayo Fdn, USA
1 Passeig Vilesa 83-A, Spain
1 San Francisco Gen Hosp, USA
1 Univ Calif San Francisco, USA
1 Univ Complutense Madrid, Spain
1 Univ Dundee, United Kingdom
1 Univ Hosp Geneva, Switzerland
1 Univ Kentucky, USA
1 Univ Minnesota, USA
1 Univ Munich, Germany
1 Univ St Andrews, United Kingdom
1 Univ Tromso Hosp, Norway
1 Univ Washington, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Lew DP, Waldvogel FA
Use of quinolones in osteomyelitis and infected orthopaedic prosthesis

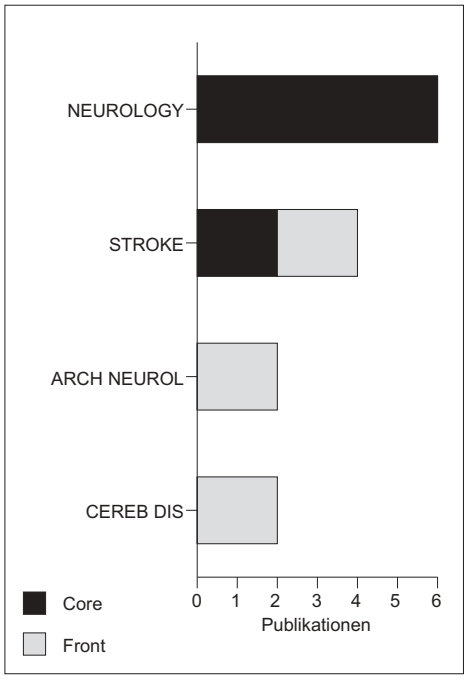
5 Tavakoli M, Davey P, Clift BA, Davies HTO
Diagnosis and management of osteomyelitis - Decision analytic and pharmacoeconomic considerations

CH-Cluster 939: Cerebellar Infarction; Cerebellar Infarcts; Clinicopathological Study; Cerebellar Infarction Clinical; Territory

10 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

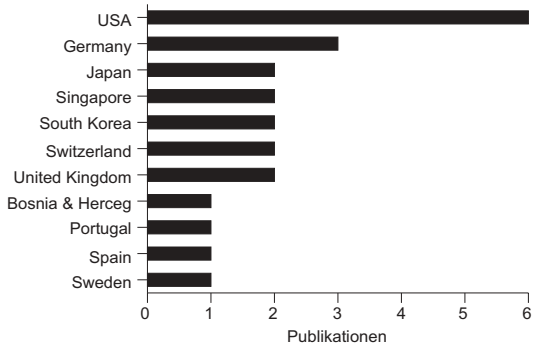


Akteure (Forschungsfront)

Institutionen

2 Beth Israel Deaconess Med Ctr, USA
2 CHU Vaudois, Switzerland
2 Singapore Gen Hosp, Singapore
(und weitere 28 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Martin PJ
Vertebrobasilar ischaemia

6 Canaple S, Bogousslavsky J
Multiple large and small cerebellar infarcts

6 Malm J, Kristensen B, Carlberg B, Fagerlund M, Olsson T
Clinical features and prognosis in young adults with infratentorial infarcts

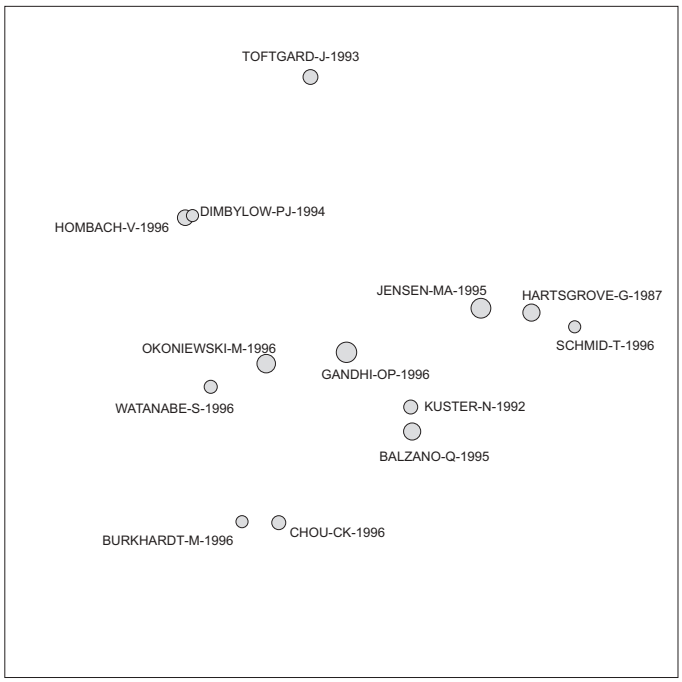
5 Min WK, Kim YS, Kim JY, Park SP, Suh CK
Atherothrombotic cerebellar infarction - Vascular Lesion-MRI correlation of 31 cases

4 Stangel M, Stapf C, Marx P
Presentation and prognosis of bilateral infarcts in the territory of the superior cerebellar artery

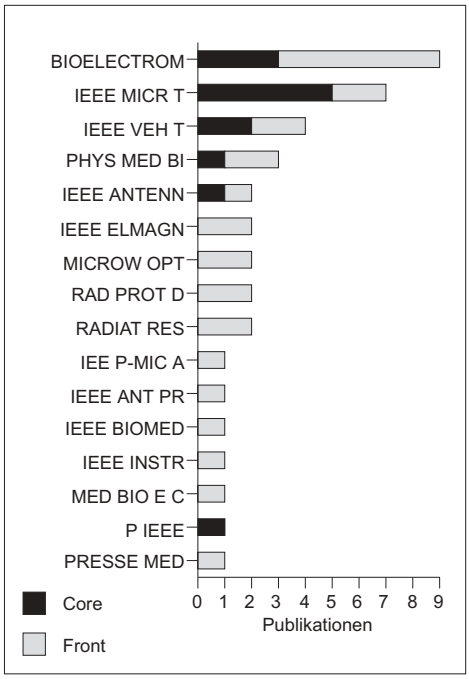
CH-Cluster 960: Experimental Dosimetry; Head; Human Head; Human; Portable Antennas

13 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

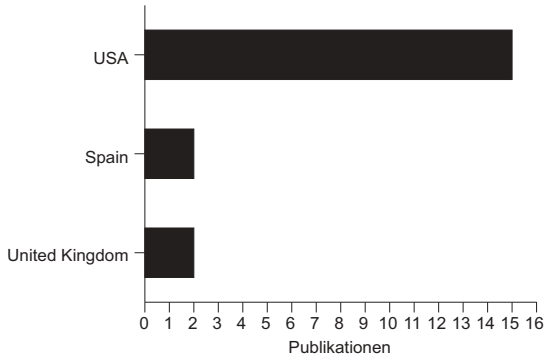


Akteure (Forschungsfront)

Institutionen

5 Univ Utah, USA
3 City Hope Natl Med Ctr, USA
3 Washington Univ, USA
2 Motorola Inc, USA
2 Wireless Technol Res LLC, USA
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Chou CK, Chan KW, McDougall JA, Guy AW
Development of a rat head exposure system for simulating human exposure to RF fields from handheld wireless telephones

7 Moros EG, Straube WL, Pickard WF
Compact shielded exposure system for the simultaneous long-term UHF irradiation of forty small mammals II. Dosimetry

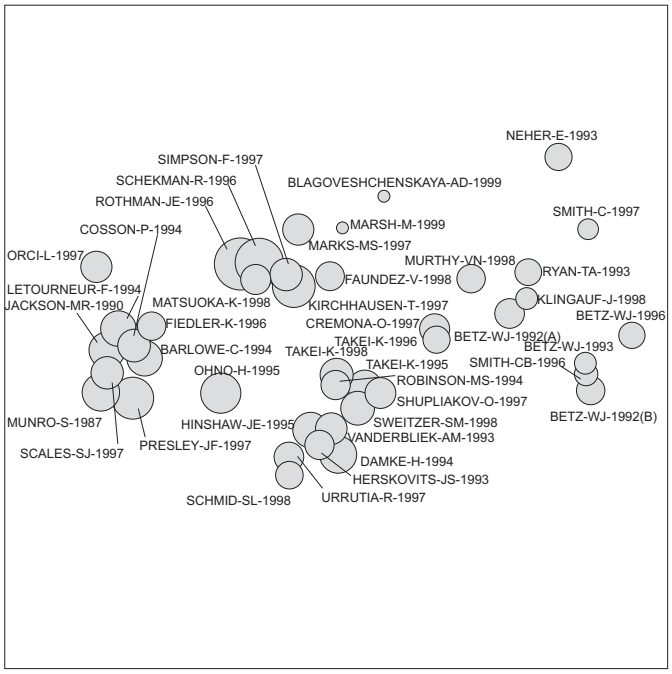
6 Gandhi OP, Lazzi G, Tinniswood A, Yu QS
Comparison of numerical and experimental methods for determination of SAR and radiation patterns of handheld wireless telephones

6 Yu QS, Gandhi OP, Aronsson M, Wu D
An automated SAR measurement system for compliance testing of personal wireless devices

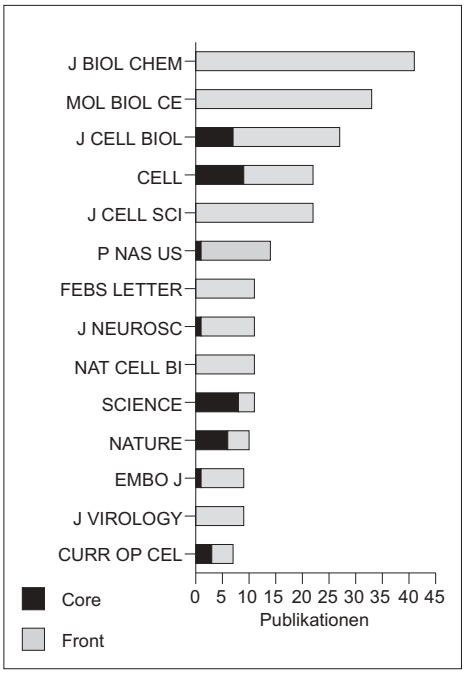
CH-Cluster 963: Endocytosis; Dynamin; Synaptic Vesicle Recycling; Coat Proteins; Endoplasmic-Reticulum

42 Kernpublikationen / 367 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

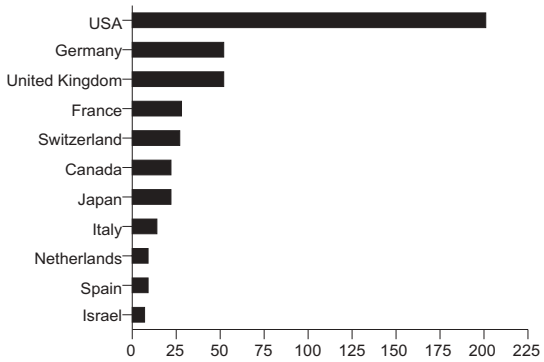


Akteure (Forschungsfront)

Institutionen

15 Yale Univ, USA
14 Univ Calif San Francisco, USA
14 Univ Texas, USA
11 Harvard Univ, USA
11 Max Planck Inst Biophys Chem, Germany
11 Univ Colorado, USA
10 European Mol Biol Lab, Germany
9 Duke Univ, USA
9 Univ Geneva, Switzerland
(und 281 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

18 Hsu VW, Peters PJ
Current views in intracellular transport: Insights from studies in immunology

10 Benmerah A, Bayrou M, Cerf-Bensussan N, Dautry-Varsat A
Inhibition of clathrin-coated pit assembly by an Eps15 mutant

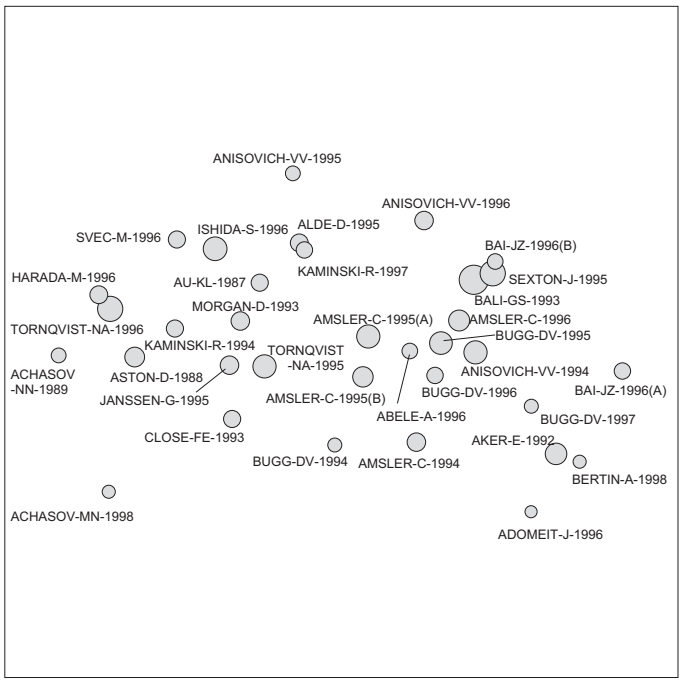
10 Kasai K, Shin HW, Shinotsuka C, Murakami K, Nakayama K
Dynamin II is involved in endocytosis but not in the formation of transport vesicles from the trans-Golgi network

10 McPherson PS
Regulatory role of SH3 domain-mediated protein-protein interactions in synaptic vesicle endocytosis

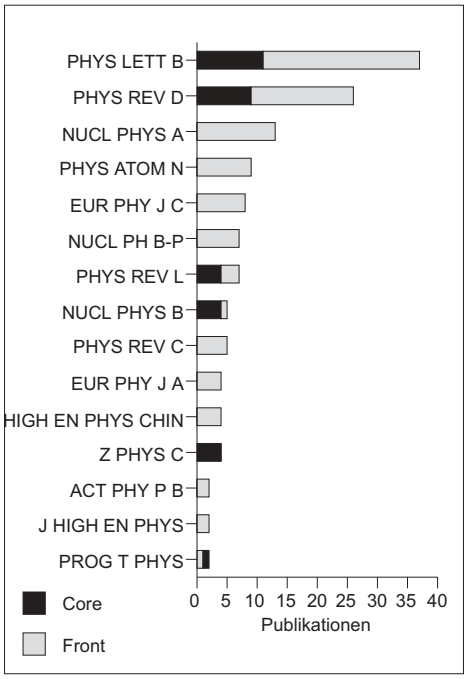
CH-Cluster 965: Study; Observation; Scalar Glueball; Coupled-Channel Analysis; Evidence

34 Kernpublikationen / 107 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

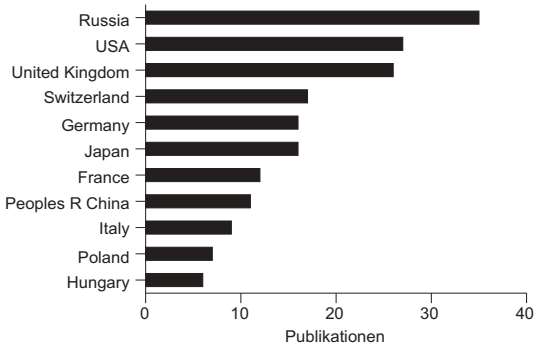


Akteure (Forschungsfront)

Institutionen

17 Univ London Queen Mary & Westfield Coll, United Kingdom
14 CERN, Switzerland
13 Rutherford Appleton Lab, United Kingdom
8 Ist Nazl Fis Nucl, Italy
8 PNPI, Russia
7 Miyazaki Univ, Japan
7 Univ Calif Los Angeles, USA
7 Univ Munich, Germany
6 Univ Bonn, Germany
(und 121 weitere Institutionen)

Länder



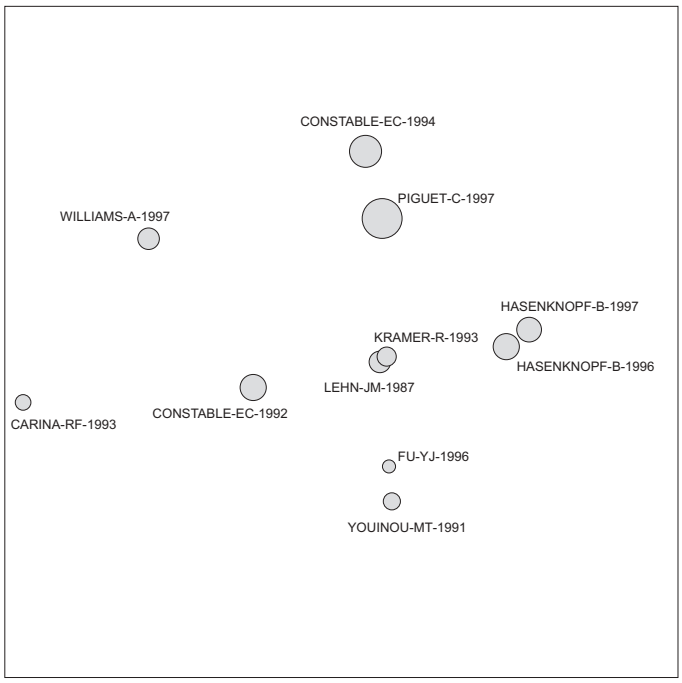
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

16 Minkowski P, Ochs T
Identification of the glueballs and the scalar meson nonet of lowest mass
13 Igi K, Hikasa K
Another look at pi pi scattering in the scalar channel - art. no. 034005
11 Black D, Fariborz AH, Sannino F, Schechter J
Putative light scalar nonet - art. no. 074026
11 Fariborz AH, Schechter J
eta '->eta pi pi decay as a probe of a possible lowest-lying scalar nonet - art. no. 034002
10 Zenoni A
Exotic states and fundamental interactions at LEAR and DA phi NE

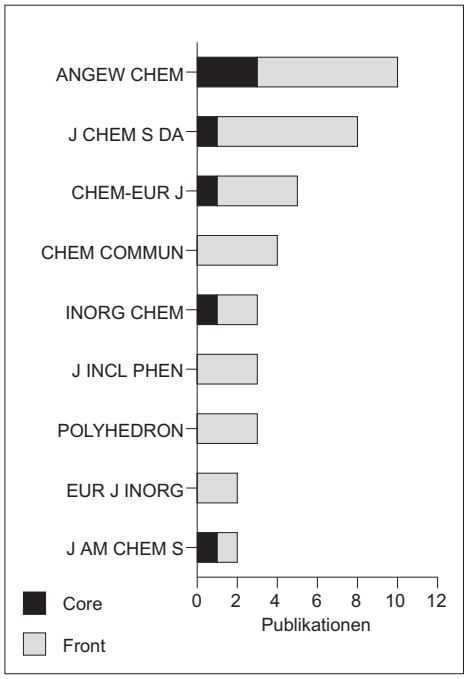
CH-Cluster 1012: Self-Assembly; Helical Complexes; Self-Assembly Structure; Mononuclear Complexes; Helicates

11 Kernpublikationen / 45 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

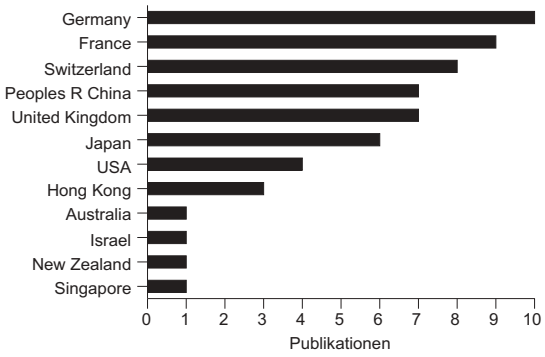


Akteure (Forschungsfront)

Institutionen

6 Nanjing Univ, Peoples R China
4 Chinese Acad Sci, Peoples R China
4 Tech Univ Munich, Germany
4 Univ Basel, Switzerland
4 Univ Karlsruhe, Germany
4 Univ Strasbourg 1, France
3 Tohoku Univ, Japan
3 ULP, France
2 Chinese Univ Hong Kong, Hong Kong
2 Univ Calif Berkeley, USA
2 Univ Cambridge, United Kingdom
2 Univ Geneva, Switzerland
2 Univ Warwick, United Kingdom
(und weiter 32 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

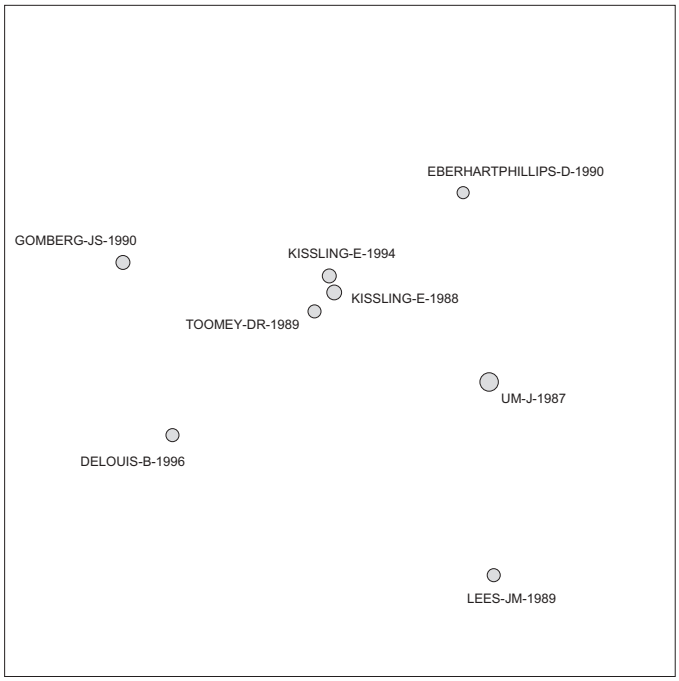
9 Shu MH, Sun WY, Duan CY, Fu YJ, Zhang WJ, Tang WX
The influence of the linkage mode between bipyridine units in oligobipyridine ligands on the formation of copper-(I) and - (II) helicates

8 Shu MH, Sun WY, Duan CY, Tang WX, Zhang WJ
Self-assembly and crystal structure of a dinuclear dihelicate silver(I) complex with an ethane-bridged dimeric bipyridine ligand

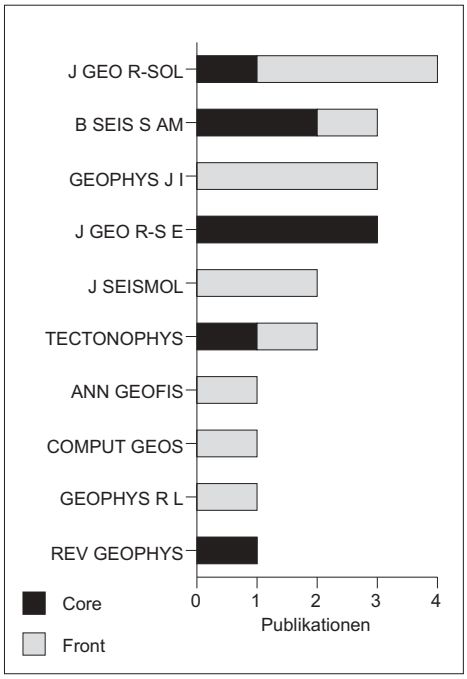
CH-Cluster 1032: Local Earthquake Data; Tomographic Inversion; Local Earthquake Tomography; 3-Dimensional Velocity Structure; Mount St-Helens Using Earthquake Data

8 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

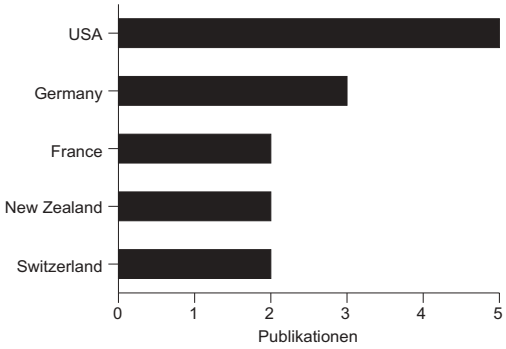


Akteure (Forschungsfront)

Institutionen

3 Geoforschungszentrum Potsdam, Germany
3 Yale Univ, USA
2 ETH Zurich, Switzerland
2 Inst Geol & Nucl Sci, New Zealand
(und weitere 18 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

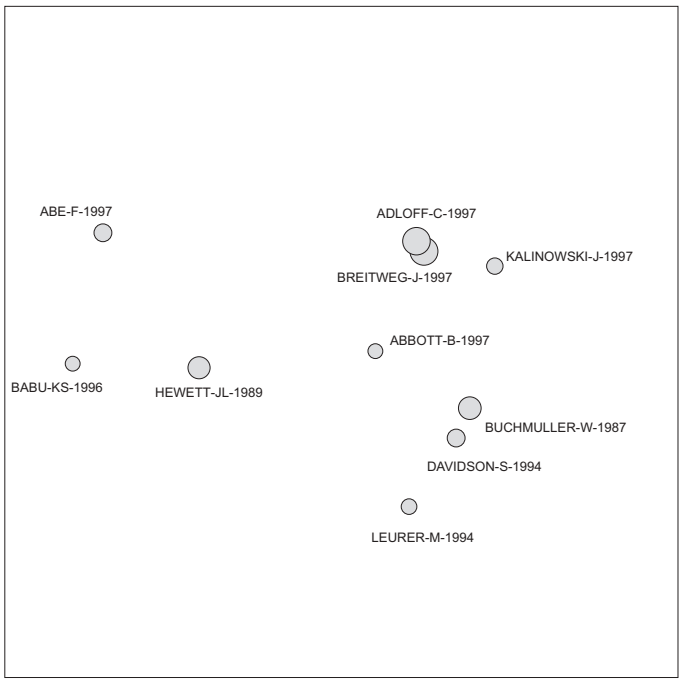
5 Asad AM, Pullammanappallil SK, Anooshehpoor A, Louie JN
Inversion of travel-time data for earthquake locations and three-dimensional velocity structure in the Eureka Valley area, eastern California

5 Graeber FM, Asch G
Three-dimensional models of P wave velocity and P-to-S velocity ratio in the southern central Andes by simultaneous inversion of local earthquake data

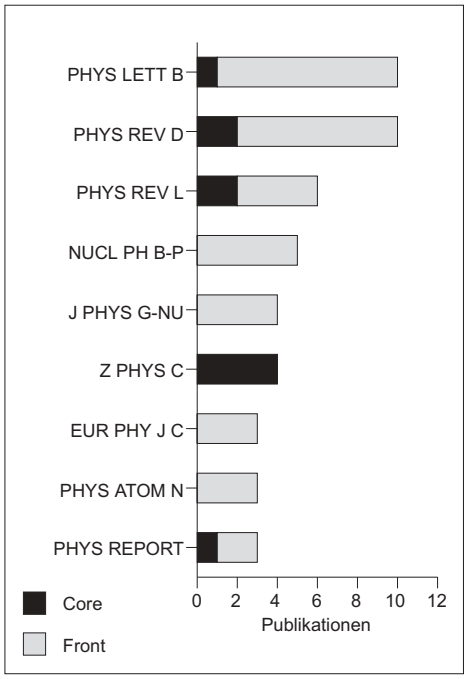
CH-Cluster 1065: (P)Over-Bar-P Collisions; Leptoquarks; Search; EP Collisions; Lepton-Quark Collisions

10 Kernpublikationen / 47 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

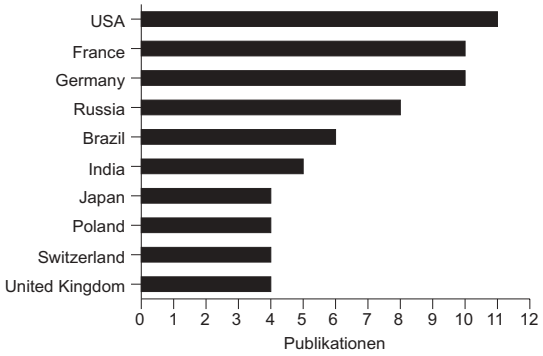


Akteure (Forschungsfront)

Institutionen

4 Ctr Brasileiro Pesquisas Fis, Brazil
4 Univ Aix Marseille 1, France
4 Univ Michigan, USA
4 Univ Rochester, USA
(und weitere 178 Institutionen)

Länder



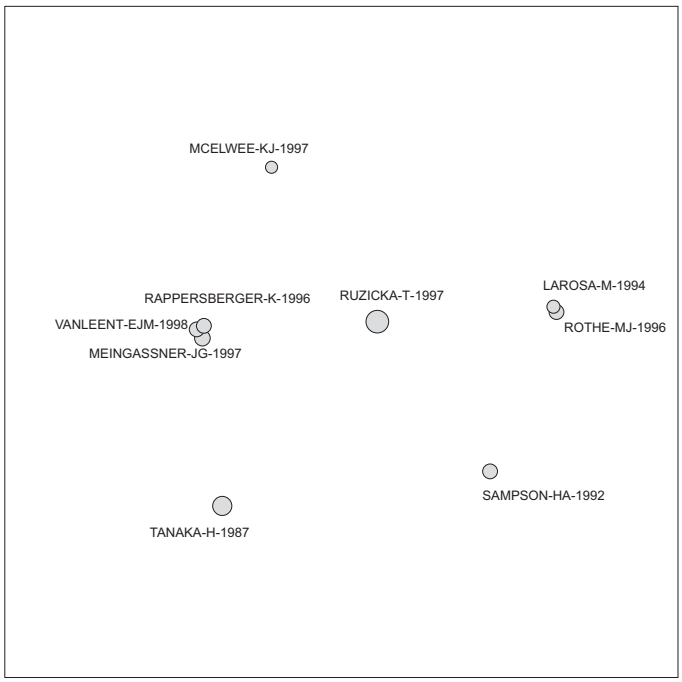
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Belyaev A, Eboli OJP, Funchal RZ, Lungov TL
Signal and backgrounds for leptoquarks at the CERN LHC. II. Vector leptoquarks - art. no. 075007
7 Cakir O, Koru H, Ocak M
Single vector leptoquark production at gamma e and gamma p colliders
6 Papadopoulos CG
Single leptoquark production at high-energy e(+)e(-) colliders
5 Asakawa E, Kamoshita J, Sugamoto A
Current constraints on squark production scenarios for the excess of high Q(2) events at HERA

CH-Cluster 1082: Atopic-Dermatitis; Topical; Topical FK506; Topical Treatment; FK506

9 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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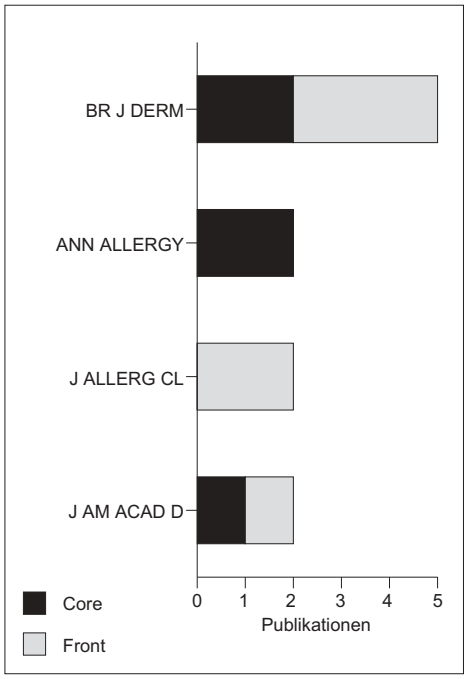
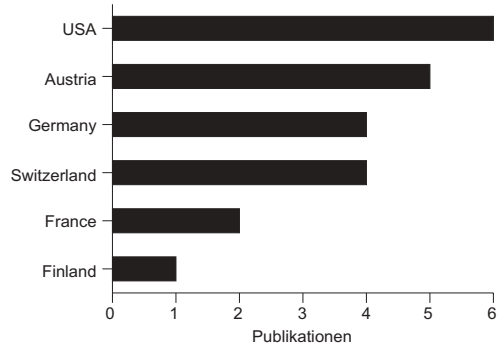


Akteure (Forschungsfront)

Institutionen

3 Novartis Forschungsinst, Austria
3 Novartis Pharma, Switzerland
2 Oregon Hlth Sci Univ, USA
2 Tech Univ Dresden, Germany
2 Univ Kiel, Germany
2 Wake Forest Univ, USA
(und weitere 11 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

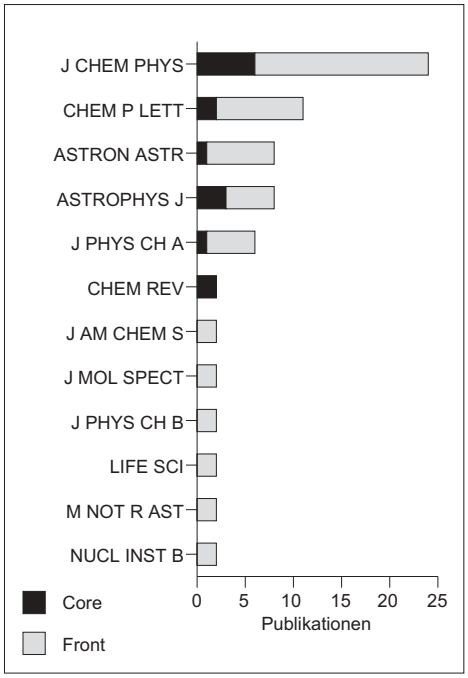
5 Mrowietz U
Macrolide immunosuppressants
4 Baumann K, Knapp H, Strnadt G, Schulz G, Grassberger MA
Carbonyl to methylene conversions at the tricarbonyl-portion of ascomycin derivatives
4 Baumann K, Oberhauser B, Strnadt G, Knapp H, Schulz G, Grassberger MA
Conversion of ascomycin into its furano-isomers
4 Fleischer AB
Treatment of atopic dermatitis: Role of tacrolimus ointment as a topical noncorticosteroidal therapy

CH-Cluster 1089: Diffuse Interstellar Bands; Clusters; Small Carbon Clusters; Diffuse Interstellar Bands Evidence; Diffuse Interstellar Bands (3800-8680-Angstrom)

19 Kernpublikationen / 64 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

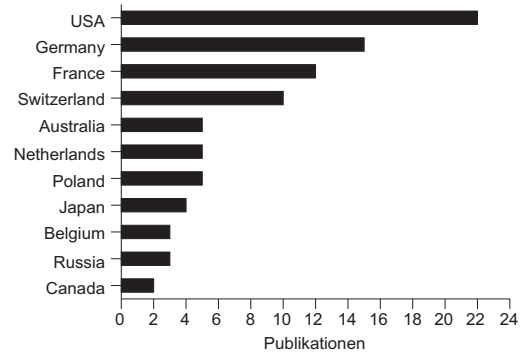


Akteure (Forschungsfront)

Institutionen

10 Univ Basel, Switzerland
5 Univ Calif Berkeley, USA
4 CNRS, France
4 Leiden Observ, Netherlands
4 NASA, USA
4 Nicholas Copernicus Univ, Poland
3 Australian Natl Univ, Australia
3 European Space Agcy, Netherlands
3 Harvard Smithsonian Ctr Astrophys, USA
3 Harvard Univ, USA
3 Univ Paris Sud, France
(und 61 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

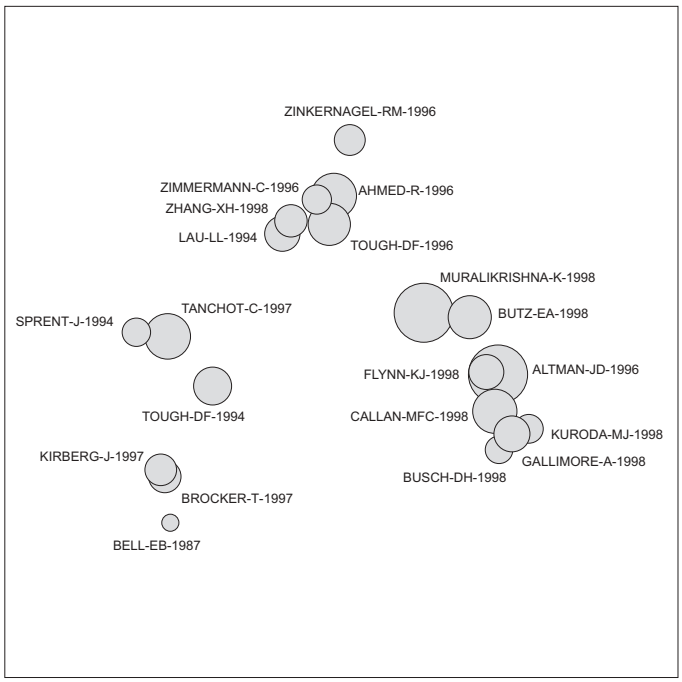
8 Motylewski T, Vaizert O, Giesen TF, Linnartz H, Maier JP
The (1)Pi(u)<- X (1)Sigma(+)(g) electronic spectrum of C-5 in the gas phase

7 Zerbetto F
Carbon rings snapping

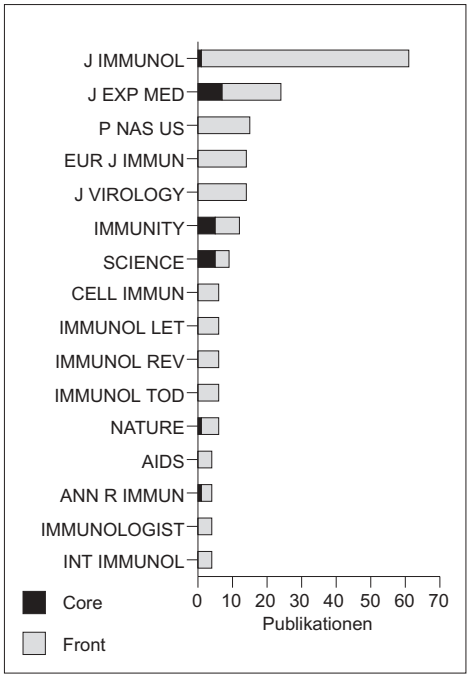
CH-Cluster 1102: Immunological Memory; Memory; Cd8(+) Memory T-Cells; Survival; Memory-Phenotype T-Cells

20 Kernpublikationen / 232 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

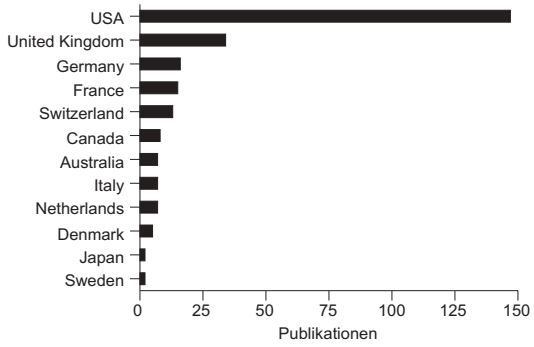


Akteure (Forschungsfront)

Institutionen

22 Emory Univ, USA
17 Harvard Univ, USA
15 Scripps Clin & Res Inst, USA
13 Yale Univ, USA
10 John Radcliffe Hosp, United Kingdom
10 St Jude Childrens Res Hosp, USA
10 Univ Washington, USA
8 Univ Colorado, USA
8 Univ Oxford, United Kingdom
(und 190 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

11 Freitas AA, Rocha B
Peripheral T cell survival

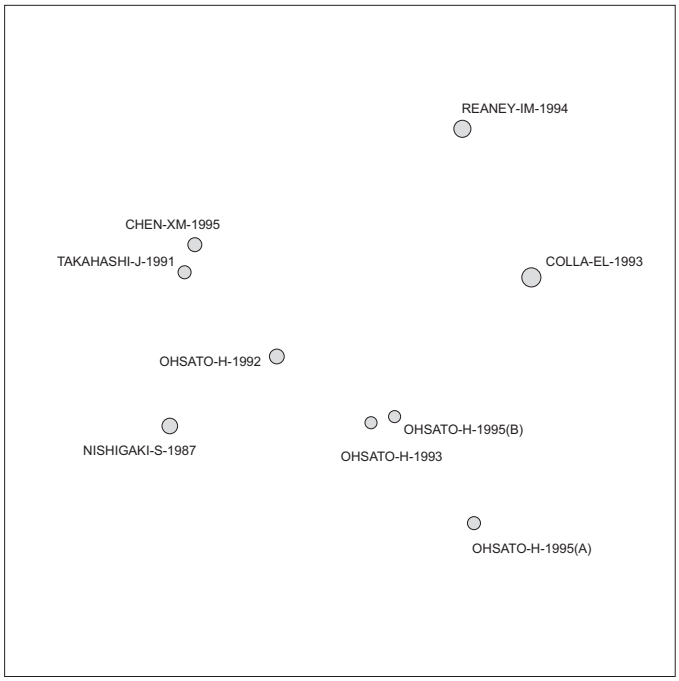
11 Usherwood EJ, Hogan RJ, Crowther G, Surman SL, Hogg TL, Altman JD, Woodland DL
Functionally heterogeneous CD8(+) T-cell memory is induced by Sendai virus infection of mice

11 Welsh RM, McNally JM
Immune deficiency, immune silencing, and clonal exhaustion of T cell responses during viral infections

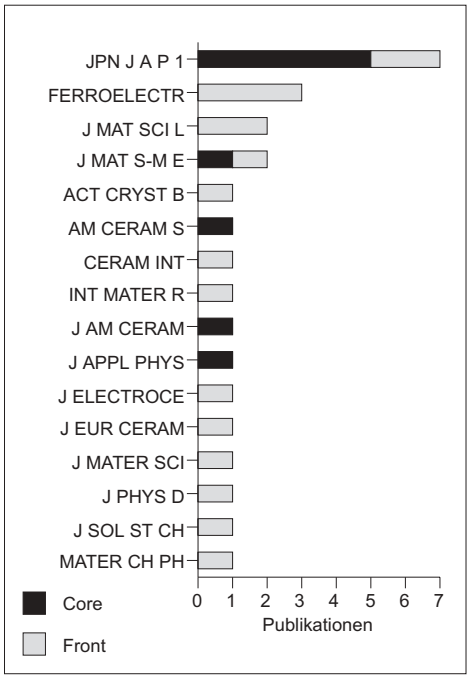
CH-Cluster 1115: Microwave Dielectric-Properties; Dielectric; Microwave Dielectric Characteristics; Dielectric-Properties; SM) Microwave Dielectric Compounds

9 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

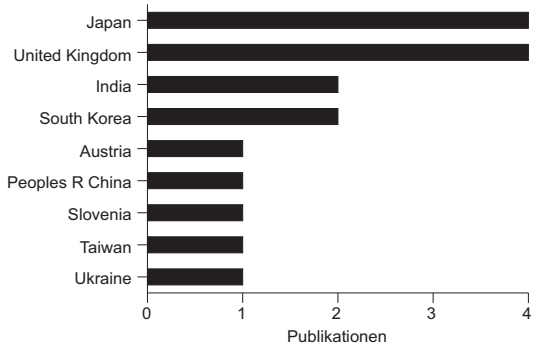


Akteure (Forschungsfront)

Institutionen

4 Univ Sheffield, United Kingdom
2 Indian Inst Technol, India
2 Nagoya Inst Technol, Japan
(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Ubic R, Reaney IM, Lee WE
Microwave dielectric solid-solution phase in system BaO- Ln(2)O(3)-TiO2 (Ln = lanthanide cation)

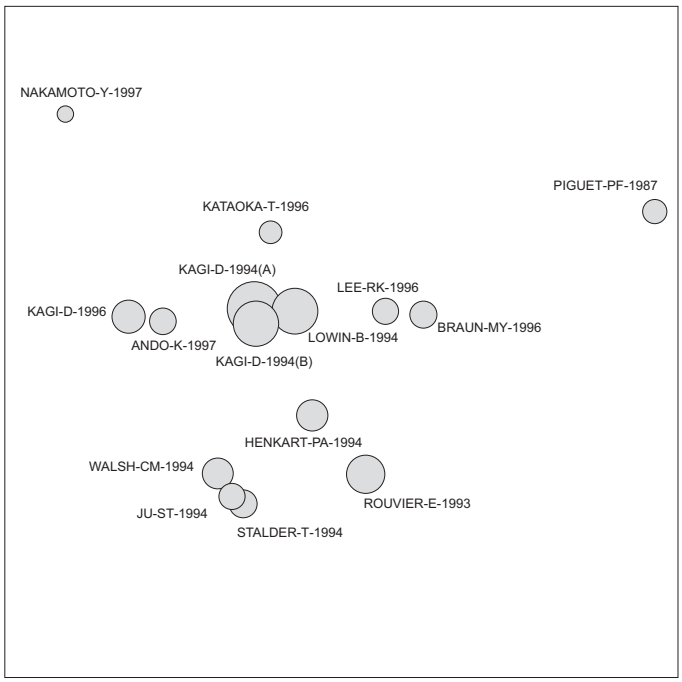
4 Katayama K, Azuma Y, Takahashi Y
Molten salt synthesis of single-phase BaNd2Ti4O12 powder

4 Valant M, Suvorov D, Rawn CJ
Intrinsic reasons for variations in dielectric properties of Ba6-3x R8+2x Ti18O54(R = La-Gd) solid solutions

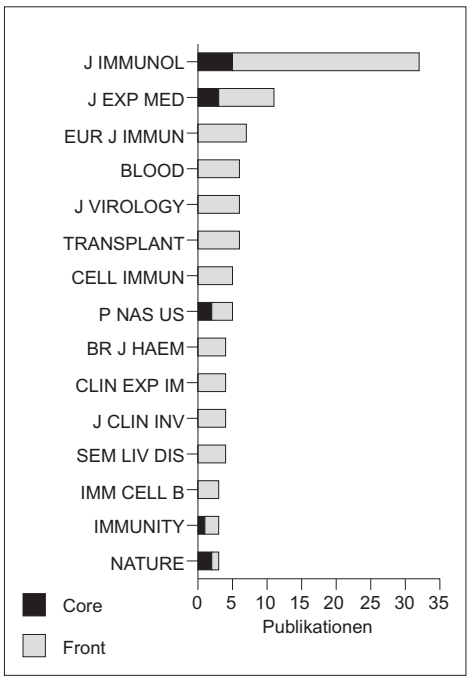
CH-Cluster 1157: Fas; Perforin Pathways; Perforin Fas Ligand; T-Cell-Mediated Cytotoxicity; Fas Lytic Pathways

15 Kernpublikationen / 154 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

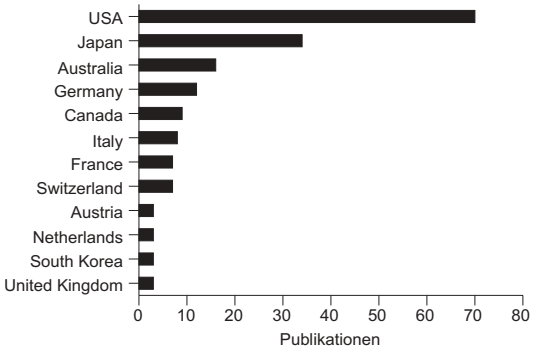


Akteure (Forschungsfront)

Institutionen

9 Juntendo Univ, Japan
7 Harvard Univ, USA
6 Japan Sci & Technol Corp, Japan
6 Osaka Univ, Japan
6 Scripps Clin & Res Inst, USA
5 Australian Natl Univ, Australia
5 Univ Miami, USA
5 Washington Univ, USA
(und 181 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

13 Ohminami H, Yasukawa M, Kaneko S, Yakushijin Y, Abe Y, Kasahara Y, Ishida Y, Fujita S
Fas-independent and nonapoptotic cytotoxicity mediated by a human CD4(+) T-cell clone directed against an acute myelogenous leukemia-associated DEK-CAN fusion peptide

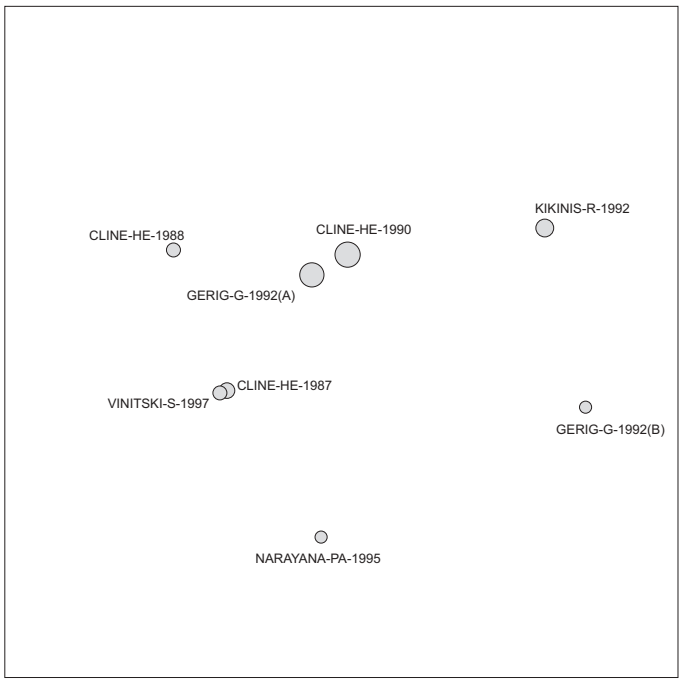
11 Ito A, Minagawa M, Tomiyama K, Ito M, Kawai K
Cytotoxic pathways in the skin allograft rejection by CD4(+) T cells

11 Yasukawa M, Ohminami H, Yakushijin Y, Arai J, Hasegawa A, Ishida Y, Fujita S
Fas-independent cytotoxicity mediated by human CD4(+) CTL directed against herpes simplex virus-infected cells

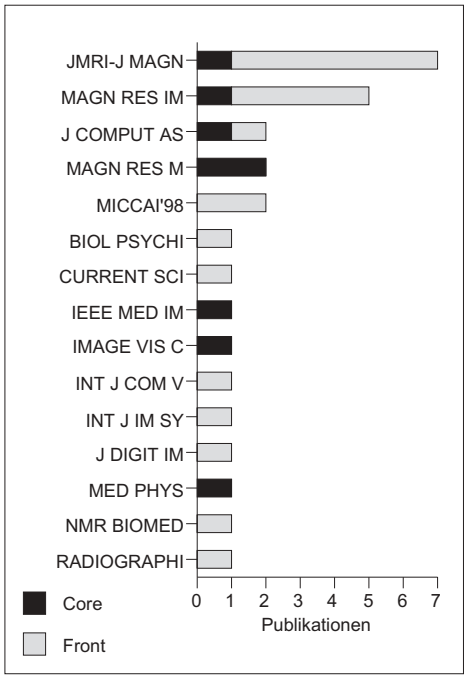
CH-Cluster 1163: Brain; MR Images; 3D Dual-Echo MR Head Data; 3D Reconstruction; 3-Dimensional Segmentation

8 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

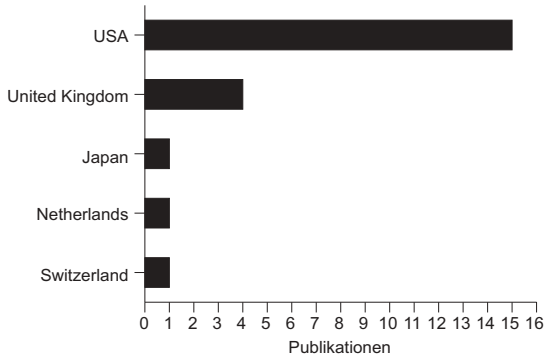


Akteure (Forschungsfront)

Institutionen

3 Harvard Univ, USA
3 Univ Texas, USA
2 Brigham & Womens Hosp, USA
2 Inst Psychiat, United Kingdom
2 Med Coll Penn & Hahnemann Univ, USA
2 Thomas Jefferson Univ Hosp, USA
2 Thomas Jefferson Univ, USA
(und weitere 15 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

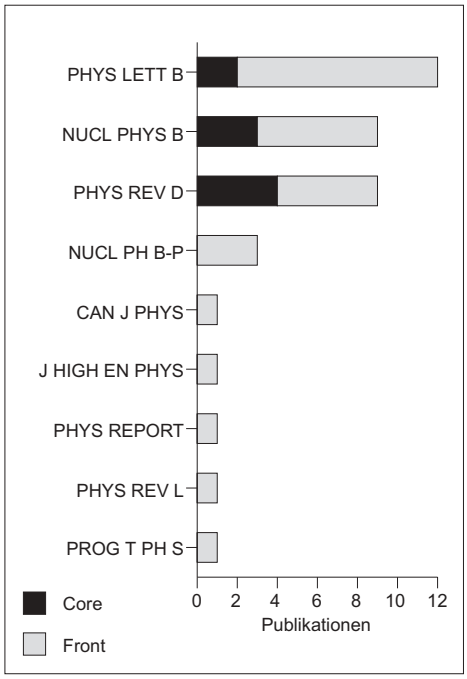
5 Gordon J, Mohamed F, Vinitski S, Knobler RL, Curtis M, Faro S, Khalili K
Utilization of experimental animal model for correlative multispectral MRI and pathological analysis of brain tumors
5 Mohamed FB, Vinitski S, Faro SH, Gonzalez CF, Mack J, Iwanaga T
Optimization of tissue segmentation of brain MR images based on multispectral 3D feature maps
5 Narayana PA, Bedell BJ, Wolinsky JS
Quantitation of multiple sclerosis lesion volumes on magnetic resonance imaging
5 Vinitski S, Gonzalez C, Andrews D, Knobler R, Curtis M, Mohamed F, Gordon J, Khalili K
In vivo validation of tissue segmentation based on a 3D feature map using both a hamster brain tumor model and stereotactically guided biopsy of brain tumors in man

CH-Cluster 1170: Domain-Walls; Supersymmetric Theories; Supersymmetric Domain-Walls N-Counting; Supersymmetric Yang-Mills Theories; Supersymmetric Gauge-Theories

9 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

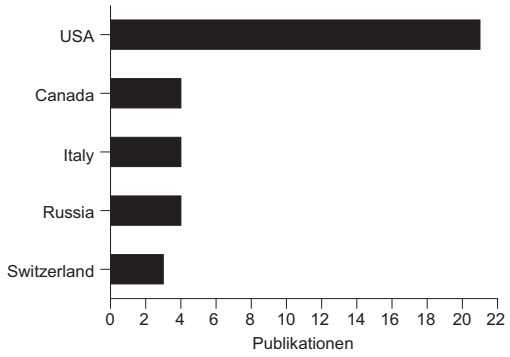


Akteure (Forschungsfront)

Institutionen

6 Univ Minnesota, USA
5 NYU, USA
4 Univ British Columbia, Canada
3 CERN, Switzerland
3 MIT, USA
2 Harvard Univ, USA
2 ICTP, Italy
2 Int Ctr Theoret Phys, Italy
2 Northeastern Univ, USA
(und weitere 26 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

8 Dvali G, Kakushadze Z
Large N domain walls as D-branes for N = 1 QCD string

8 Gabadadze G
The discrete Z(2N-c) symmetry and effective superpotential in SUSY gluodynamics

7 de Carlos B, Moreno JM
Domain wails in supersymmetric QCD: From weak to strong coupling

CH-Cluster 1177: Gas Electron Multiplier (GEM); Micro-Strip Gas-Chambers; Electron Multiplication; Electron Amplification; Gas Detectors

20 Kernpublikationen / 49 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

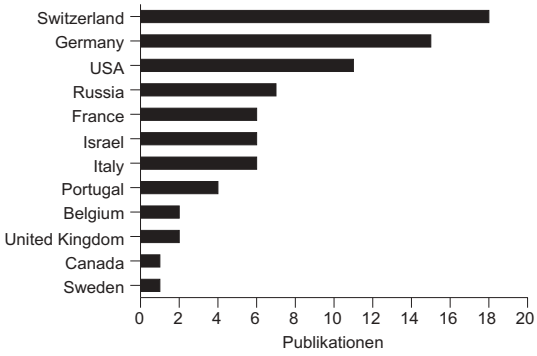
Zeitschriftenprofil

Akteure (Forschungsfront)

Institutionen

18 CERN, Switzerland
6 Weizmann Inst Sci, Israel
5 Univ Karlsruhe, Germany
4 Budker Inst Nucl Phys, Russia
4 NASA, USA
4 Univ Coimbra, Portugal
3 GSI Darmstadt, Germany
3 Ist Nazl Fis Nucl, Italy
3 Purdue Univ, USA
3 Univ Gesamthsch Siegen, Germany
(und 40 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

11 Bressan A, Hoch M, Pagano P, Ropelewski L, Sauli F, Biagi S, Buzulutskov A, Gruwe M, De Lentdecker G, Moermann D, Sharma A
High rate behavior and discharge limits in micro-pattern detectors

9 Sauli F
Gas detectors: Recent developments and future perspectives

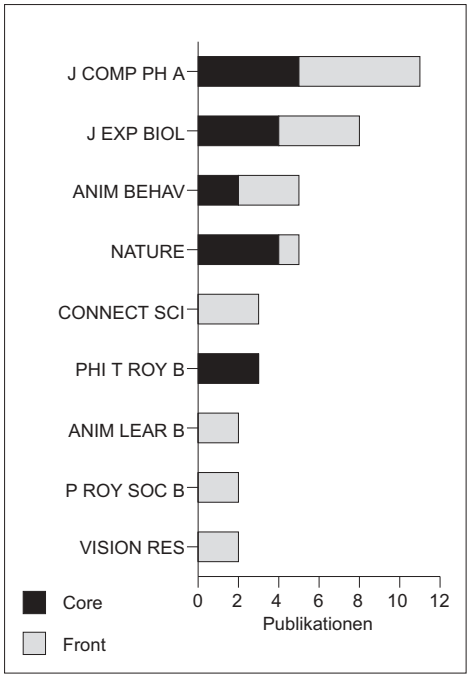
8 Bachmann S, Bressan A, Ropelewski L, Sauli F, Sharma A, Mormann D
Charge amplification and transfer processes in the gas electron multiplier

CH-Cluster 1186: Honeybees; Ants; Visual Navigation; Foraging Honeybees; Desert Ants

20 Kernpublikationen / 41 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

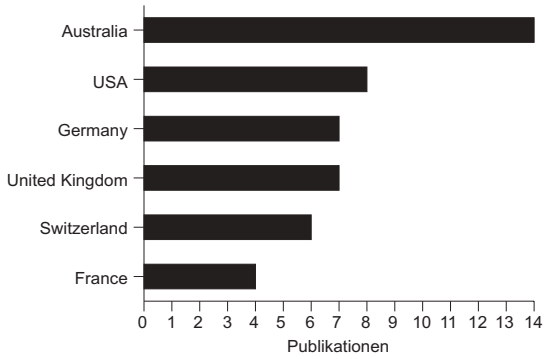


Akteure (Forschungsfront)

Institutionen

13 Australian Natl Univ, Australia
5 Univ Zurich, Switzerland
4 Univ Sussex, United Kingdom
3 Free Univ Berlin, Germany
3 Univ Illinois, USA
3 Univ Toulouse 3, France
2 Curtin Univ Technol, Australia
2 Macquarie Univ, Australia
(und 27 weitere Institutionen)

Länder



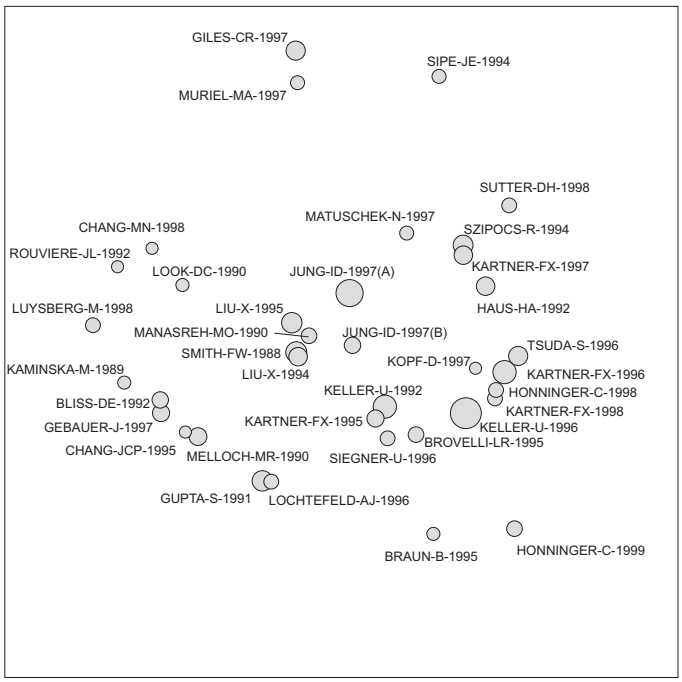
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Giurfa M, Capaldi EA
Vectors, routes and maps: new discoveries about navigation in insects
8 Lehrer M
Looking all around: Honeybees use different cues in different eye regions
7 Horridge A
Two-dimensional pattern discrimination by the honeybee
7 Zhang SW, Lehrer M, Srinivasan MV
Honeybee memory: Navigation by associative grouping and recall of visual stimuli

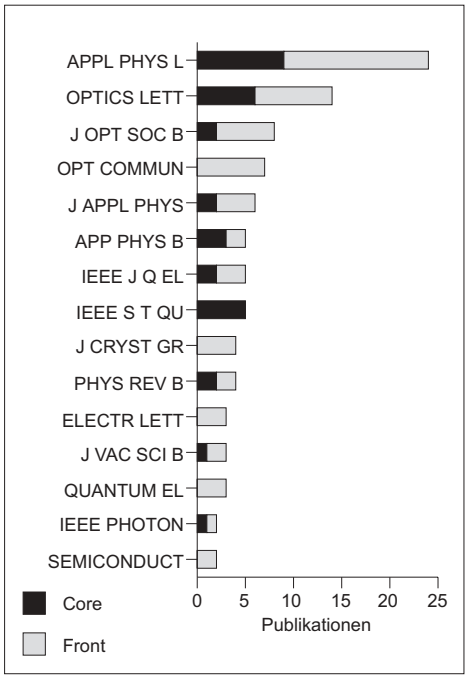
CH-Cluster 1195: Low-Temperature-Grown GaAs; GaAs Grown; GaAs; Molecular-Beam Epitaxy; Semiconductor Saturable Absorber

37 Kernpublikationen / 76 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

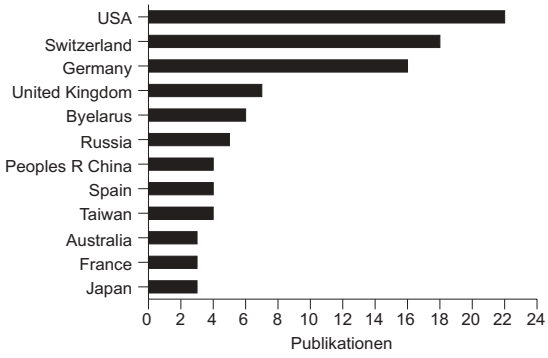


Akteure (Forschungsfront)

Institutionen

13 ETH Honggerberg, Switzerland
5 MIT, USA
4 CSEM Zurich, Switzerland
4 Purdue Univ, USA
4 Russian Acad Sci, Russia
4 Univ Calif Berkeley, USA
3 Australian Natl Univ, Australia
3 KFA Julich GmbH, Germany
3 Natl Cent Univ, Taiwan
3 Thomson CSF, France
3 Univ Illinois, USA
3 Univ Manchester, United Kingdom
(und 81 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

20 Keller U
Semiconductor nonlinearities for solid-state laser modelocking and Q-switching

12 Nolte DD
Semi-insulating semiconductor heterostructures: Optoelectronic properties and applications

9 Honninger C, Paschotta R, Graf M, Morier-Genoud F, Zhang G, Moser M, Biswal S, Nees J, Braun A, Mourou GA, Johannsen I, Giesen A, Seeber W, Keller U
Ultrafast ytterbium-doped bulk lasers and laser amplifiers

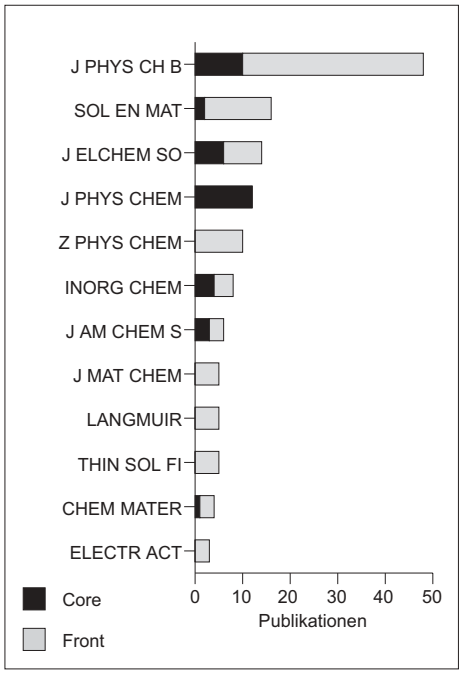
9 Stellmacher M, Schnell JP, Adam D, Nagle J
Photoconductivity investigation of the electron dynamics in GaAs grown at low temperature

CH-Cluster 1205: Conversion; Nanocrystalline TiO2 Films; Nanocrystalline TiO2 Electrodes; Nanocrystalline TiO2 (Anatase); Nanocrystalline TiO2 Powders

46 Kernpublikationen / 147 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

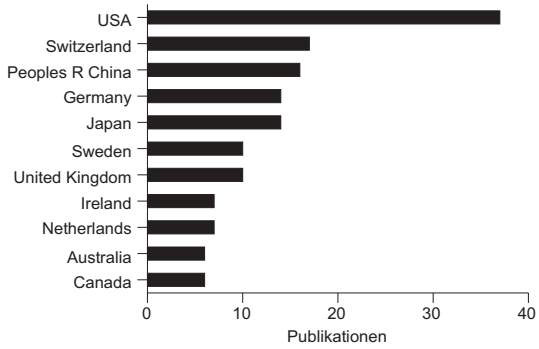


Akteure (Forschungsfront)

Institutionen

13 ETH Lausanne, Switzerland
9 Univ Uppsala, Sweden
8 Natl Renewable Energy Lab, USA
7 Johns Hopkins Univ, USA
6 Peking Univ, Peoples R China
5 Chinese Acad Sci, Peoples R China
4 Univ Bath, United Kingdom
4 Univ London Imperial Coll Sci Technol & Med, United Kingdom
4 Univ N Carolina, USA
4 Univ Notre Dame, USA
(und weitere 115 Institutionen)

Länder



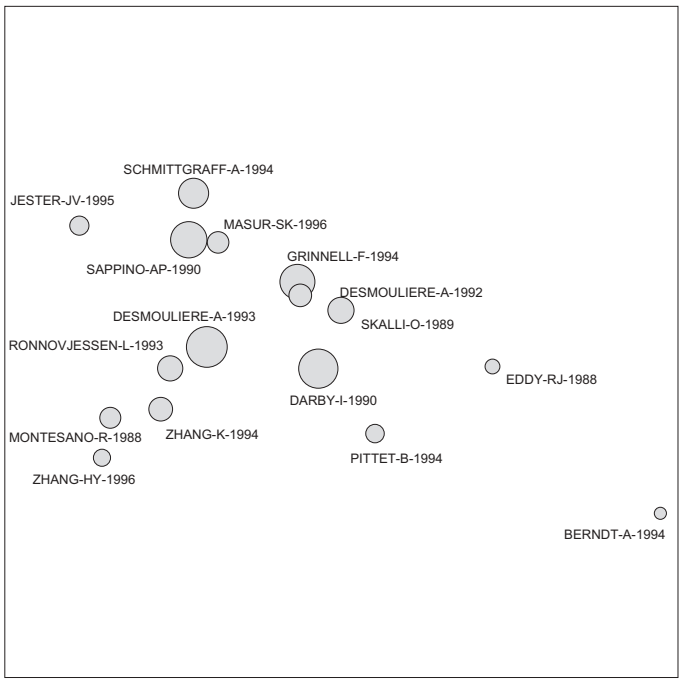
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

28 Kalyanasundaram K, Gratzel M
Applications of functionalized transition metal complexes in photonic and optoelectronic devices
14 Asbury JB, Wang YQ, Lian TQ
Multiple-exponential electron injection in Ru(dcbpy)(2)(SCN)(2) sensitized ZnO nanocrystalline thin films
13 Hasselmann GM, Meyer GJ
Diffusion-limited interfacial electron transfer with large apparent driving forces
12 Boschloo G, Fitzmaurice D
Electron accumulation in nanostructured TiO2 (anatase) electrodes

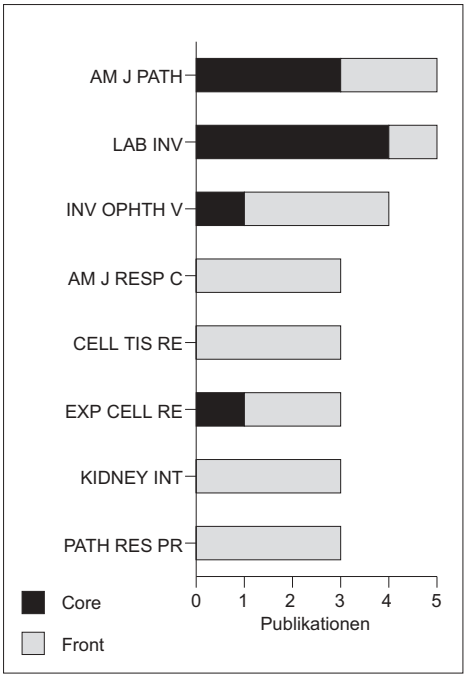
CH-Cluster 1211: Myofibroblasts; Alpha-Smooth Muscle Actin; Fibroblasts Myofibroblasts; Alpha-Smooth Muscle Actin Is Expressed; Alpha-Smooth Muscle Actin Is Transiently Expressed

16 Kernpublikationen / 85 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

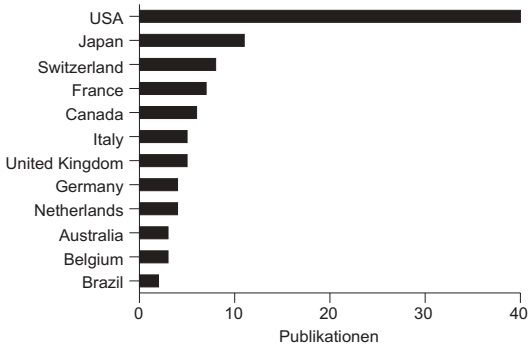


Akteure (Forschungsfront)

Institutionen

7 Harvard Univ, USA
7 Univ Texas, USA
6 Univ Geneva, Switzerland
3 Univ Calif San Francisco, USA
3 Univ Padua, Italy
(und 115 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

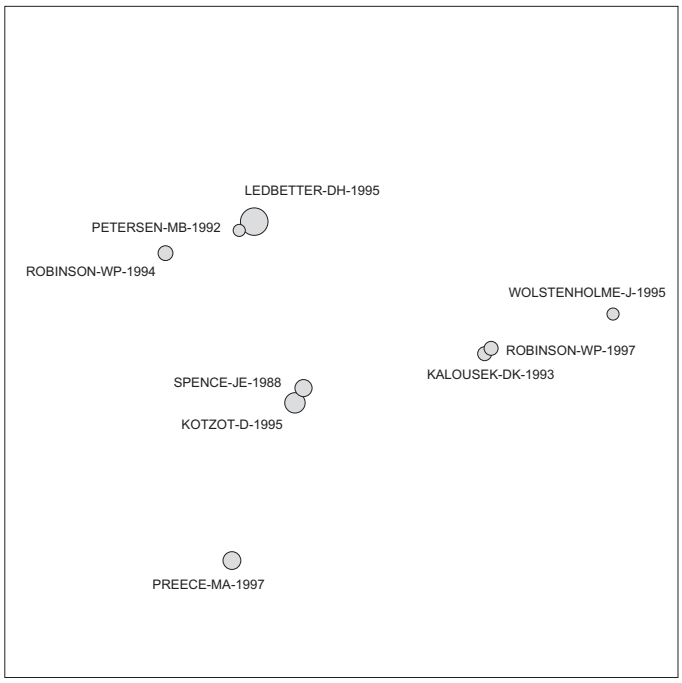
9 Serini G, Gabbiani G
Mechanisms of myofibroblast activity and phenotypic modulation

8 Yokozeki M, Baba Y, Shimokawa H, Moriyama K, Kuroda T
Interferon-gamma inhibits the myofibroblastic phenotype of rat palatal fibroblasts induced by transforming growth factor-beta 1 in vitro

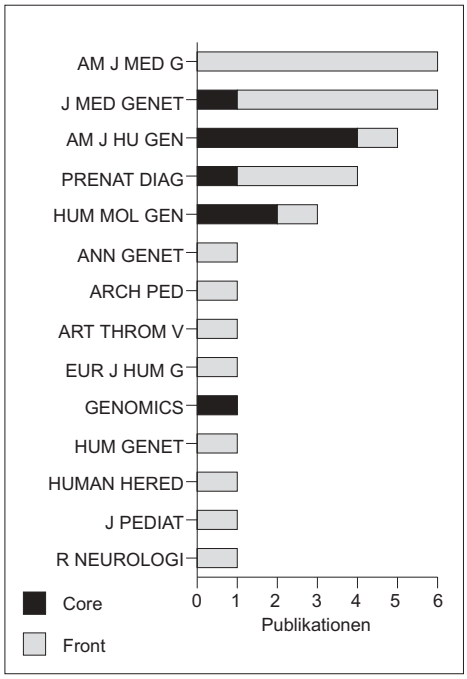
CH-Cluster 1214: Uniparental Disomy; Uniparental Disomy-7; Trisomy; Fetal Uniparental Disomy High-Levels; Maternal Uniparental Disomy-7

9 Kernpublikationen / 24 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



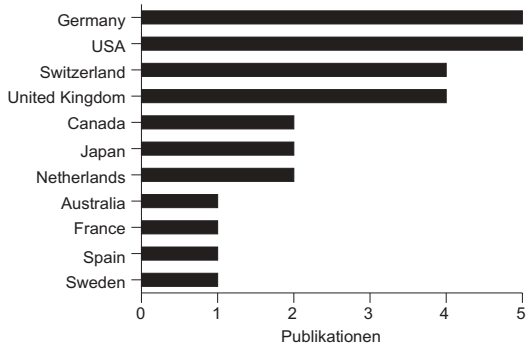
Akteure (Forschungsfront)

Institutionen

4 Univ Zurich, Switzerland
2 Aachen Tech Univ, Germany
2 British Columbia Childrens Hosp, Canada
2 Queen Charlottes & Chelsea Hosp, United Kingdom
2 Univ British Columbia, Canada
2 Univ Tubingen, Germany

(und weitere 48 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

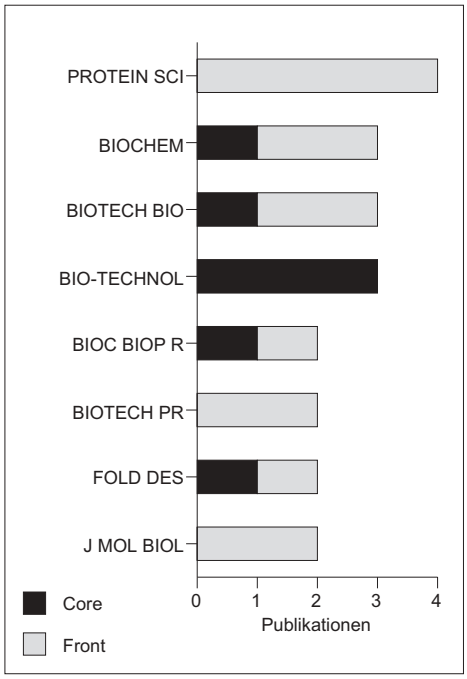
7 Kotzot D
Abnormal phenotypes in uniparental disomy (UPD): Fundamental aspects and a critical review with bibliography of UPD other than 15

CH-Cluster 1218: Soluble Recombinant Proteins; Aggregation; Protein Folding Intermediates; Protein Aggregation Folding Aggregates Inclusion-Bodies; Lysozyme

9 Kernpublikationen / 30 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

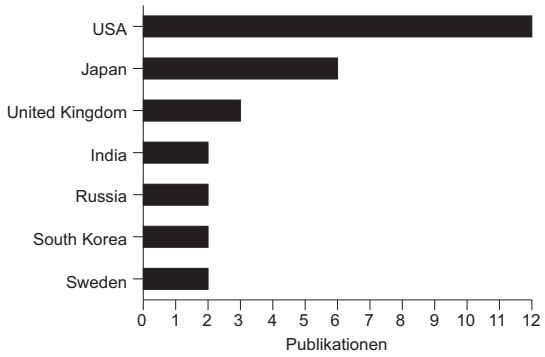


Akteure (Forschungsfront)

Institutionen

3 Univ Calif Santa Cruz, USA
2 Korea Adv Inst Sci & Technol, South Korea
2 Russian Acad Sci, Russia
2 Univ Oxford, United Kingdom
(und weitere 38 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

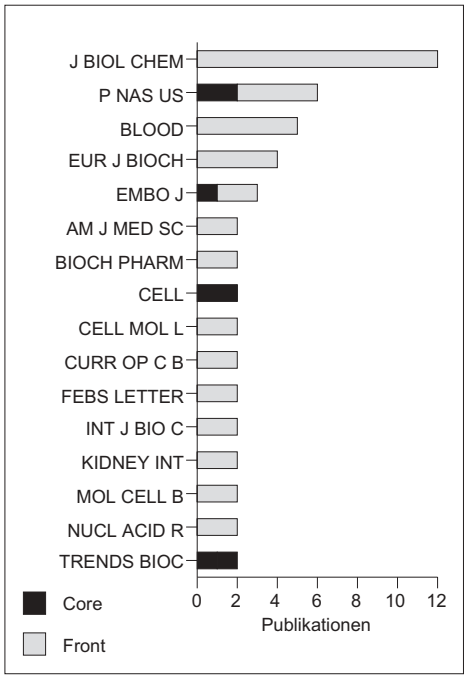
4 John RJS, Carpenter LF, Randolph TW
High pressure fosters protein refolding from aggregates at high concentrations
4 Uversky VN, Karnoup AS, Khurana R, Segel DJ, Doniach S, Fink AL
Association of partially-folded intermediates of staphylococcal nuclease induces structure and stability

CH-Cluster 1238: Messenger-RNA; Ferritin Messenger-RNA Studied; Cytoplasmic Transferrin Receptor Messenger-RNA; Control; Iron

8 Kernpublikationen / 74 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

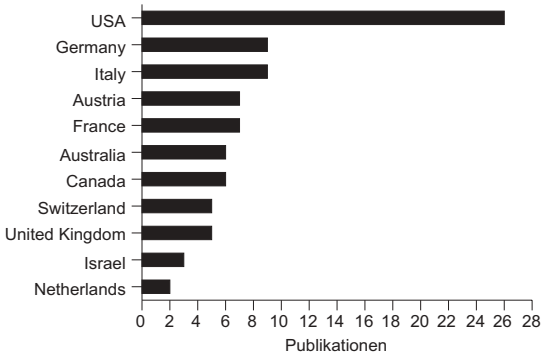


Akteure (Forschungsfront)

Institutionen

5 McGill Univ, Canada
5 Swiss Inst Expt Canc Res, Switzerland
5 Univ Milan, Italy
5 Univ Utah, USA
4 CNR, Italy
4 European Mol Biol Lab, Germany
4 Harvard Univ, USA
4 Univ Vienna, Austria
3 CNRS, France
3 Sir Mortimer B Davis Jewish Hosp, Canada
(und weitere 84 Institutionen)

Länder



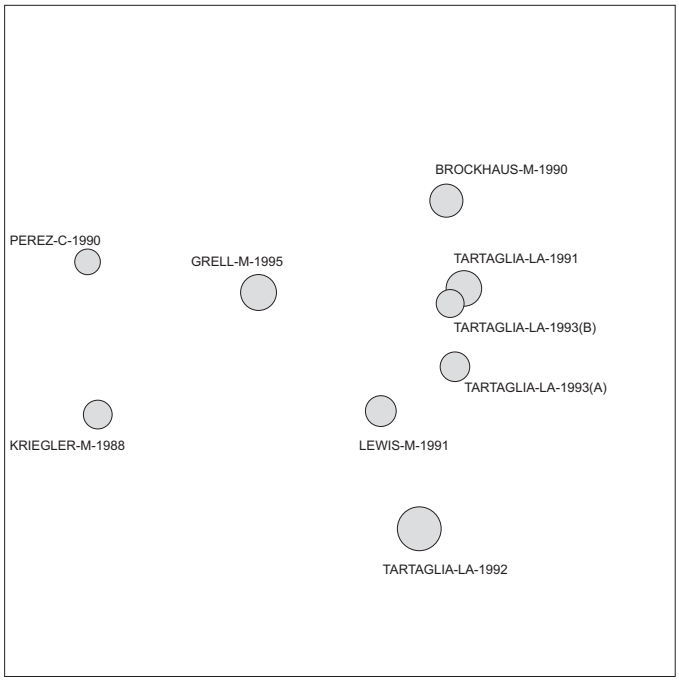
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Kaldy P, Menotti E, Moret R, Kuhn LC
Identification of RNA-binding surfaces in iron regulatory protein-1
6 Bouton C
Nitrosative and oxidative modulation of iron regulatory proteins

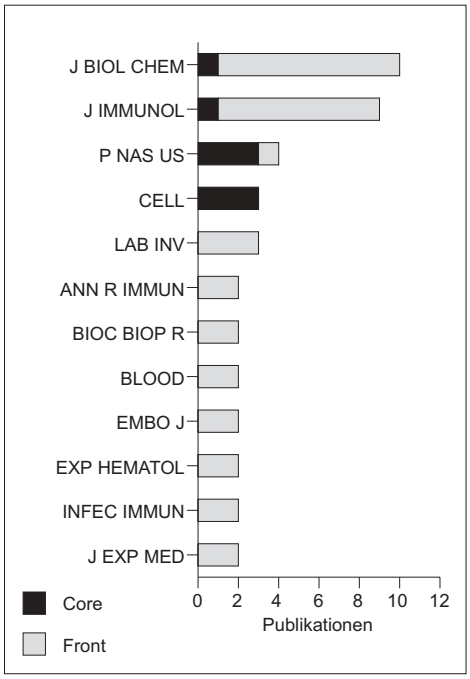
CH-Cluster 1239: Tumor-Necrosis-Factor Receptors; Tumor-Necrosis-Factor IS; 75-KDA Tumor-Necrosis-Factor Receptor; 2 TNF Receptors; TNF

9 Kernpublikationen / 38 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

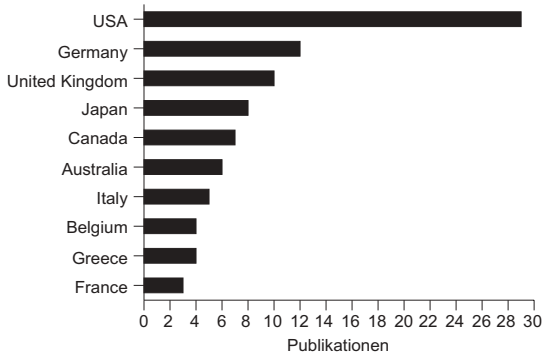


Akteure (Forschungsfront)

Institutionen

5 Harvard Univ, USA
4 Hellen Pasteur Inst, Greece
4 Univ Erlangen Nurnberg, Germany
4 Univ Stuttgart, Germany
3 Juntendo Univ, Japan
3 State Univ Ghent, Belgium
(und weitere 119 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Alsalameh S, Winter K, Al-Ward R, Wendler J, Kalden JR, Kinne RW
Distribution of TNF-alpha, TNF-R55 and TNF-R75 in the rheumatoid synovial membrane: TNF receptors are localized preferentially in the lining layer; TNF-alpha is distributed mainly in the vicinity of TNF receptors in the deeper layers

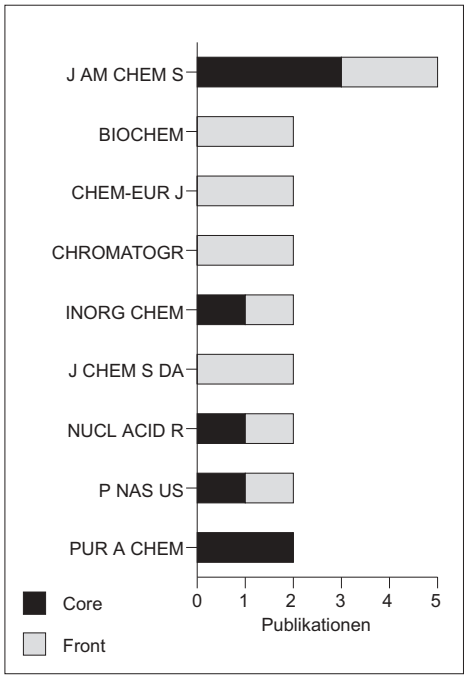
6 Dri P, Haas E, Cramer R, Menegazzi R, Gasparini C, Martinelli R, Scheurich P, Patriarca P
Role of the 75-kDa TNF receptor in TNF-induced activation of neutrophil respiratory burst

CH-Cluster 1255: Comparison; Metal-Ion Coordinating Properties; 5'-Monophosphate; Metal-Ions; Properties

12 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

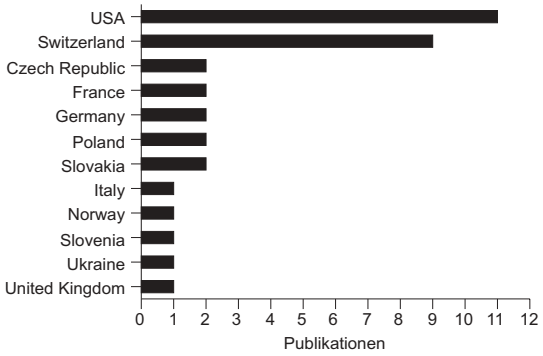


Akteure (Forschungsfront)

Institutionen

9 Univ Basel, Switzerland
6 Univ Chicago, USA
2 Acad Sci Czech Republ, Czech Republic
2 Comenius Univ, Slovakia
2 Stanford Univ, USA
2 Univ Dortmund, Germany
2 Univ Orleans, France
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Blindauer CA, Sjastad TI, Holy A, Sletten E, Sigel H
Aspects of the co-ordination chemistry of the antiviral nucleotide analogue, 9-[2-(phosphonomethoxy)ethyl]-2,6- diaminopurine (PMEDAP)

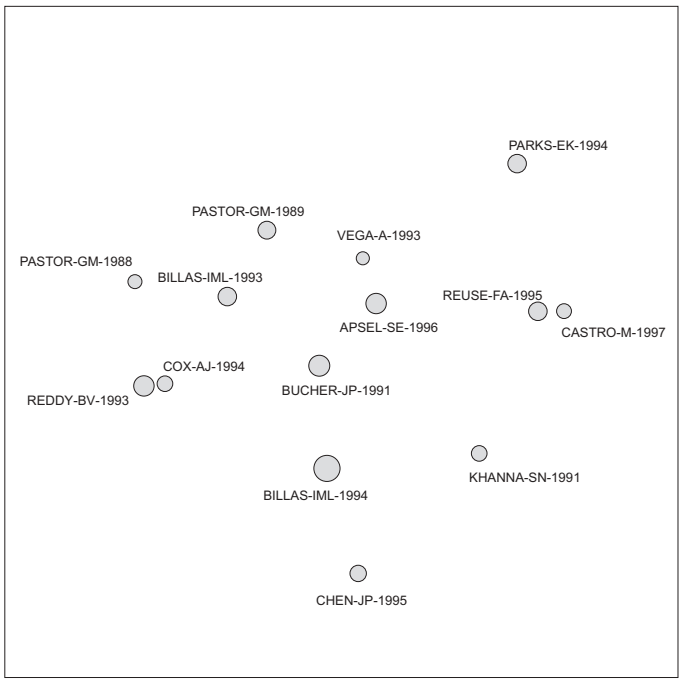
7 Da Costa CP, Sigel H
Stabilities of complexes formed between lead(II) and simple phosphonate or phosphate monoester ligands including some pyrimidine-nucleoside 5 '-monophosphates (CMP2-, UMP2-, dTMP(2-))

6 Luth MS, Kapinos LE, Song B, Lippert B, Sigel H
Extent of intramolecular stacking interactions in the mixed- ligand complexes formed in aqueous solution by copper(II), 2,2 '-bipyridine or 1,10-phenanthroline and 2 '-deoxyguanosine 5 '- monophosphate

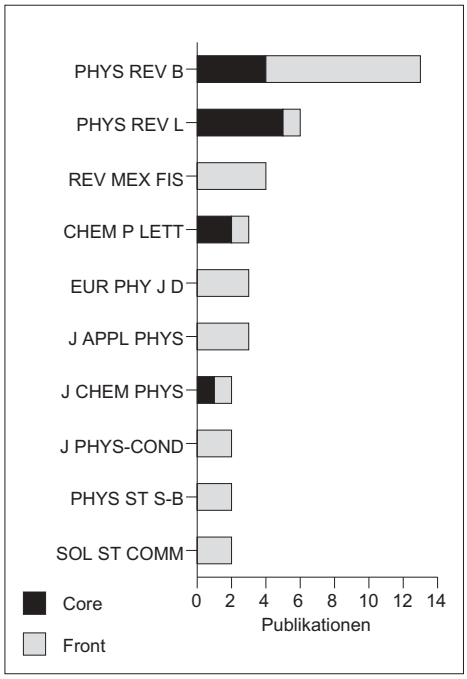
CH-Cluster 1264: Magnetism; Magnetic-Properties; Nickel Clusters; Clusters; Iron Clusters

14 Kernpublikationen / 42 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

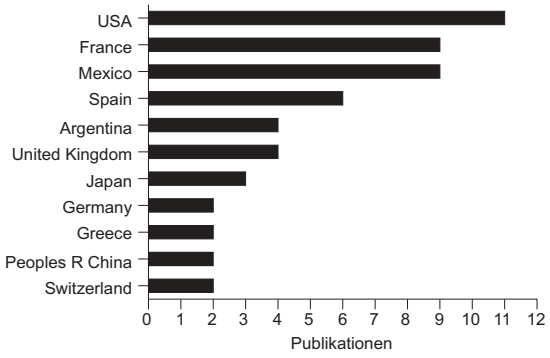


Akteure (Forschungsfront)

Institutionen

7 Univ Autonoma San Luis Potosi, Mexico
3 Univ Leicester, United Kingdom
3 Univ Toulouse 3, France
3 Univ Valladolid, Spain
3 Virginia Commonwealth Univ, USA
2 Comis Nacl Energia Atom, Argentina
2 Ecole Polytech Fed Lausanne, Switzerland
2 European Synchrotron Radiat Facil, France
2 Tohoku Univ, Japan
2 Univ Santiago de Compostela, Spain
2 USN, USA
(und weitere 42 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

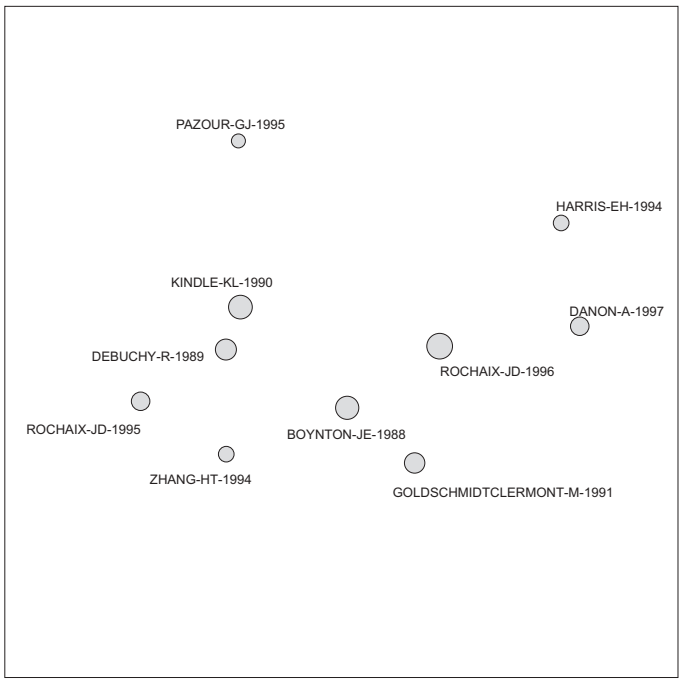
sortiert nach Anzahl der Zitationen

8 Lopez-Urias F, Pastor GM
Exact numerical study of the ground-state magnetic properties of clusters
7 Salcido-Ayala F, Villasenor-Gonzalez P, Dorantes-Davila J
Magnetism in 4D transition metal clusters

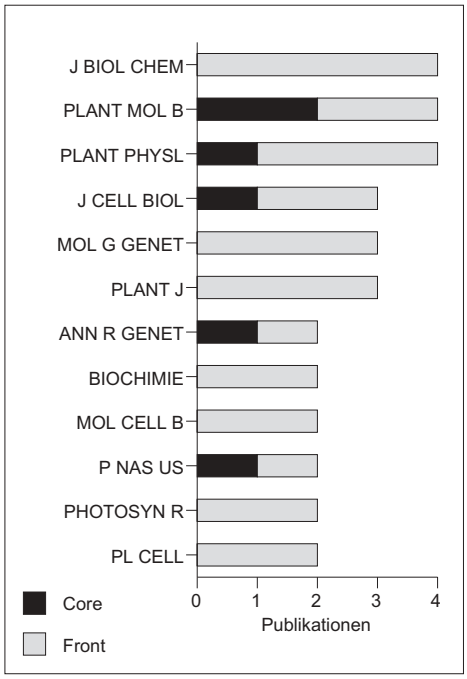
CH-Cluster 1269: Chlamydomonas-Reinhardtii; Chloroplast; Chloroplast Transformation; Chlamydomonas; Chlamydomonas-Reinhardtii DNA

10 Kernpublikationen / 41 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

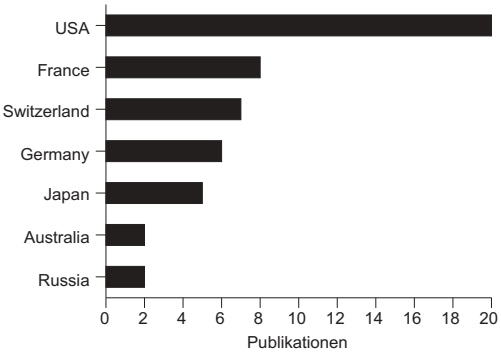


Akteure (Forschungsfront)

Institutionen

5 Univ Geneva, Switzerland
4 Iowa State Univ, USA
3 Carnegie Inst Washington, USA
3 Cornell Univ, USA
2 CNRS, France
2 Duke Univ, USA
2 Inst Biol Physicochim, France
2 Ruhr Univ Bochum, Germany
2 St Petersburg State Univ, Russia
2 Univ Grenoble 1, France
2 Univ Massachusetts, USA
2 Univ Minnesota, USA
(und weitere 37 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

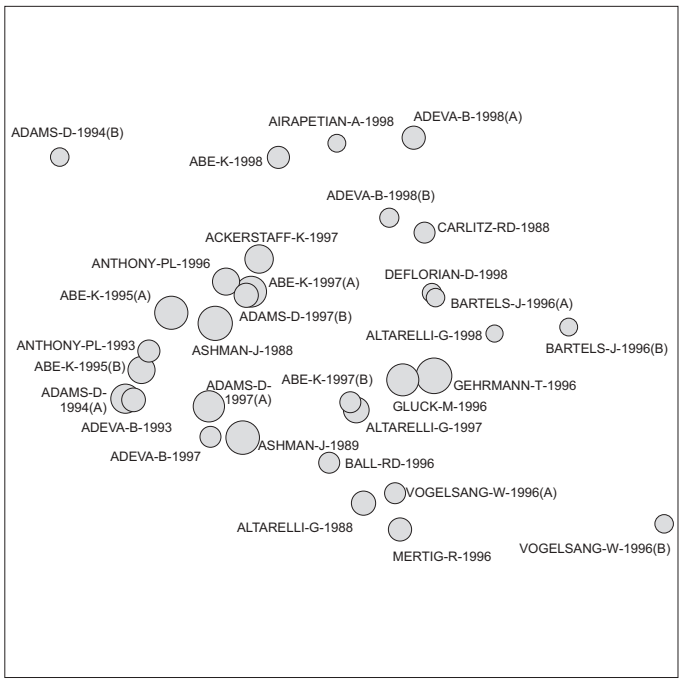
7 Davies JP, Grossman AR
The use of Chlamydomonas (Chlorophyta : Volvocales) as a model algal system for genome studies and the elucidation of photosynthetic processes

6 de Vitry C, Vallon O
Mutants of Chlamydomonas: Tools to study thylakoid membrane structure, function and biogenesis

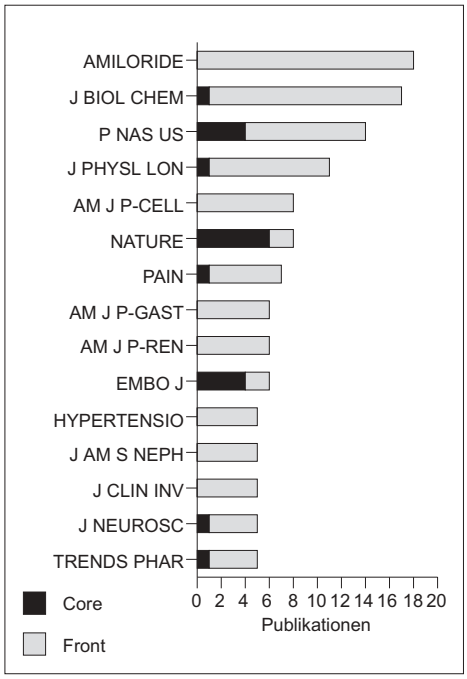
CH-Cluster 1275: Proton; Measurement; Spin Structure; Polarized Structure Functions; Proton Spin Structure-Function G(1)(p)

32 Kernpublikationen / 136 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

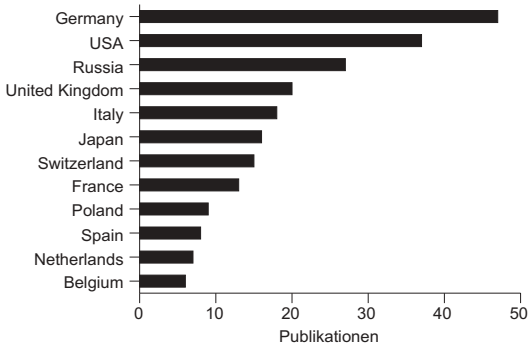


Akteure (Forschungsfront)

Institutionen

15 Ist Nazl Fis Nucl, Italy
13 Joint Inst Nucl Res, Russia
10 Univ Virginia, USA
9 CEA Saclay, France
9 Univ Mainz, Germany
8 CALTECH, USA
8 CERN, Switzerland
8 Univ Liverpool, United Kingdom
8 Univ Regensburg, Germany
8 Univ Wisconsin, USA
(und 207 weitere Institutionen)

Länder



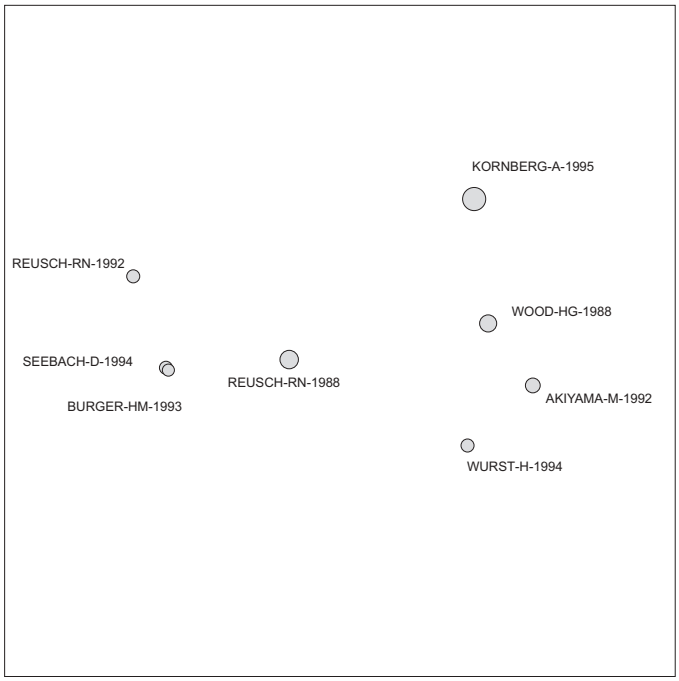
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

22 Bass SD
Constituent quarks and g(1)
21 Ball RD, Tallini HAM
Spin physics
20 Leader E, Sidorov AV, Stamenov DB
NLO QCD analysis of polarized deep inelastic scattering
19 Kurzela M, Bartelski J, Tatur S
Phenomenological analysis of data on inclusive and semi- inclusive spin asymmetries
17 Leader E, Sidorov AV, Stamenov DB
Scheme dependence in polarized deep inelastic scattering

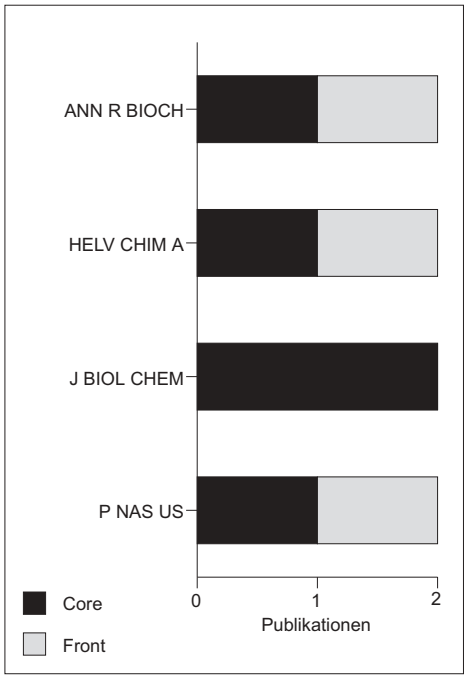
CH-Cluster 1286: Poly-Beta-Hydroxybutyrate; Isolation; Polyphosphate Kinase Gene; Inorganic Polyphosphate Toward Making; Poly-Beta-Hydroxybutyrate Calcium Polyphosphate Channel

8 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

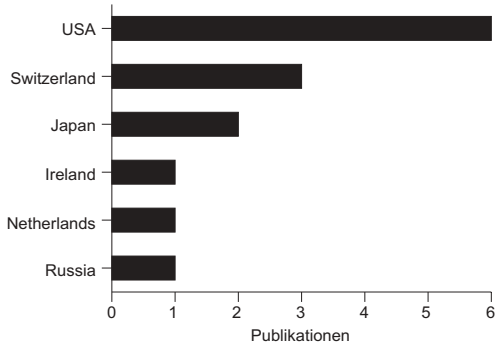


Akteure (Forschungsfront)

Institutionen

2 ETH Zentrum, Switzerland
2 Michigan State Univ, USA
1 Agr Univ Wageningen, Netherlands
1 Chiba Univ, Japan
1 ETH Zurich, Switzerland
1 Hiroshima Univ, Japan
1 Maxygen, USA
1 Metabolix Inc, USA
1 Natl Univ Ireland Univ Coll Cork, Ireland
1 Russian Acad Sci, Russia
1 Stanford Univ, USA
1 Univ Calif Berkeley, USA
1 Univ Illinois, USA

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

6 Reusch RN
Streptomyces lividans potassium channel containspoly-(R)-3- hydroxybutyrate and inorganic polyphosphate

5 Kornberg A, Rao NN, Ault-Riche D
Inorganic polyphosphate: A molecule of many functions

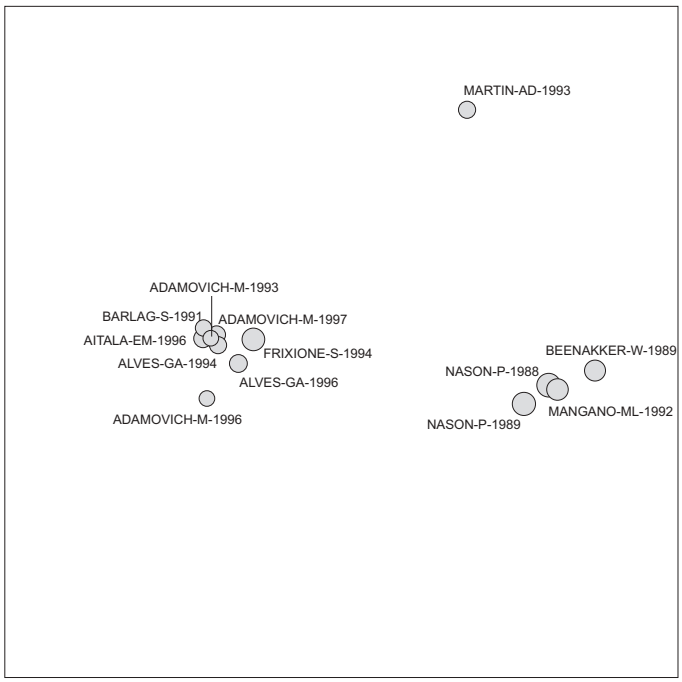
5 Kulaev I, Vagabov V, Kulakovskaya T
New aspects of inorganic polyphosphate metabolism and function

5 Zago A, Chugani S, Chakrabarty AM
Cloning and characterization of polyphosphate kinase and exopolyphosphatase genes from Pseudomonas aeruginosa 8830

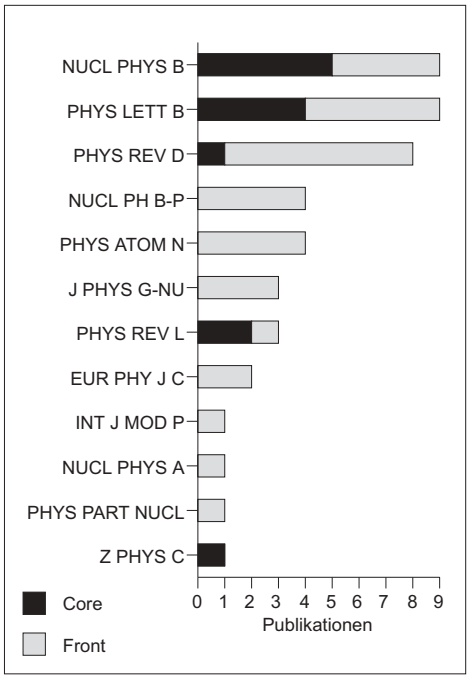
CH-Cluster 1291: Production; Heavy-Quark Production; Hadronic Collisions; Charmed-Meson Production; Production Properties

13 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

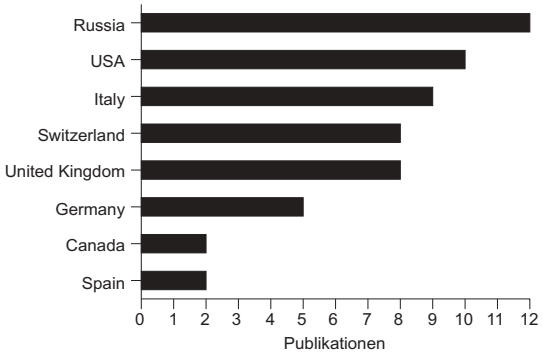


Akteure (Forschungsfront)

Institutionen

7 CERN, Switzerland
7 Ist Nazl Fis Nucl, Italy
5 PN Lebedev Phys Inst, Russia
5 Univ Bologna, Italy
5 Univ Genoa, Italy
5 Univ Pisa, Italy
4 Fermi Natl Accelerator Lab, USA
4 Univ Calif Berkeley, USA
4 Univ Rome La Sapienza, Italy
3 Duke Univ, USA
3 Univ London Imperial Coll Sci Technol & Med, United Kingdom
3 Univ Roma Tre, Italy
(und weitere 94 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Adamovich MI, Alexandrov YA, Barberis D, Beck M, Berat C, Beusch W, Boss M, Brons S, Bruckner W, ...
Charge asymmetries for D, D-s and Lambda(c) production in Sigma(-)-nucleus interactions at 340 GeV/c

8 Adinolfi M, Alexandrov Y, Angelini C, Barberis D, Cardini A, Ceradini F, Dameri M, Darbo G, Duane A, ...
D(+/-) production in 350 GeV/c pi(-)-N interactions*

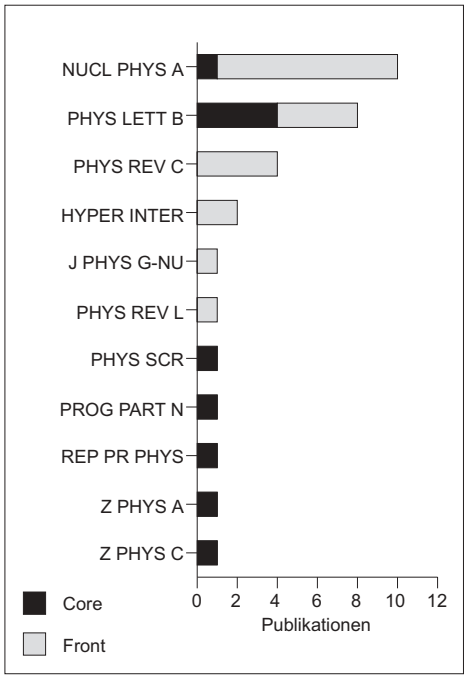
8 Aitala EM, Amato S, Anjos JC, Appel JA, Ashery D, Banerjee S, Bediaga I, Blaylock G, Bracker SB, ...
Total forward and differential cross sections of neutral D mesons produced in 500 GeV/c pi(-)-nucleon interactions

CH-Cluster 1301: (P)Over-Bar-P Annihilation; Rest; P-State Annihilation; Antiproton-Proton Annihilation; Antiproton Annihilation

10 Kernpublikationen / 21 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

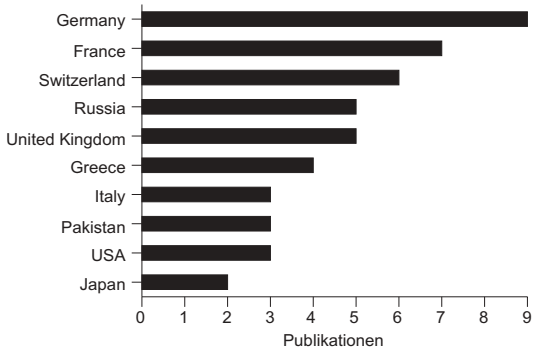


Akteure (Forschungsfront)

Institutionen

6 Univ Paris 06, France
5 Joint Inst Nucl Res, Russia
5 KFA Julich GmbH, Germany
5 Paul Scherrer Inst, Switzerland
4 Univ Ioannina, Greece
4 Univ Neuchatel, Switzerland
3 Ist Nazl Fis Nucl, Italy
3 Quaid I Azam Univ, Pakistan
3 Rutherford Appleton Lab, United Kingdom
3 Univ Fribourg, Switzerland
2 Univ Bonn, Germany
2 Univ Tubingen, Germany
(und weitere 42 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

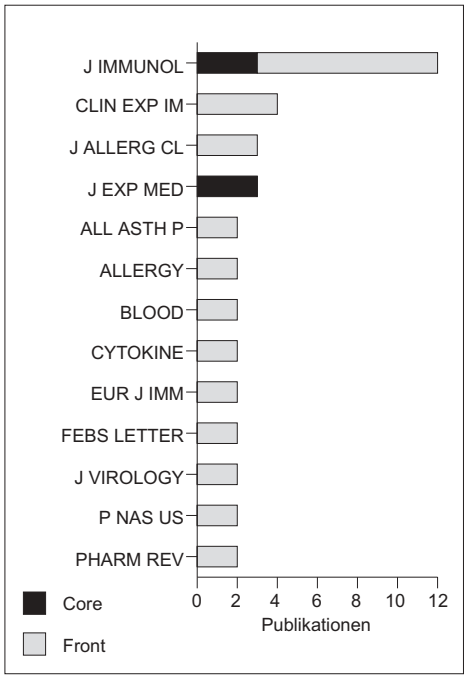
6 Gutsche T, Mau RV, Strohmeier-Presicek M, Faessler A
Radiative proton-antiproton annihilation and isospin mixing in protonium
5 Batty CJ
Two-body branching ratios; an experimental review
5 Filippi A, Agnello M, Balestra F, Bergo D, Botta E, Bressani T, Bussa MP, Busso L, Calvo D, Cerello P, ...
Study of (n)over-barp -> phi pi(+) and (n)over-barp -> omega pi(+) annihilation reactions in flight
4 Nakayama K, Durso JW, Haidenbauer J, Hanhart C, Speth J
phi-meson production in proton-proton collisions - art. no. 055209

CH-Cluster 1304: Human Eosinophils; Rantes; Rantes IS; Cytokine Rantes; Cytokine Rantes Released

8 Kernpublikationen / 75 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

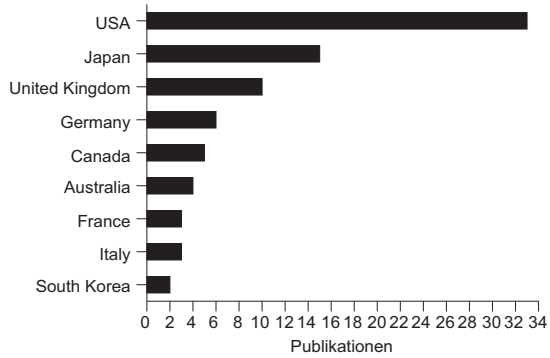


Akteure (Forschungsfront)

Institutionen

4 NIAID, USA
3 McGill Univ, Canada
3 Univ London Imperial Coll Sci Technol & Med, United Kingdom
(und weitere 101 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

7 Barnes PJ, Chung KF, Page CP
Inflammatory mediators of asthma: An update

7 Chung KF, Barnes PJ
Cytokines in asthma

6 Song A, Chen YF, Thamatrakoln K, Storm TA, Krensky AM
RFLAT-1: A new zinc finger transcription factor that activates RANTES gene expression in T lymphocytes

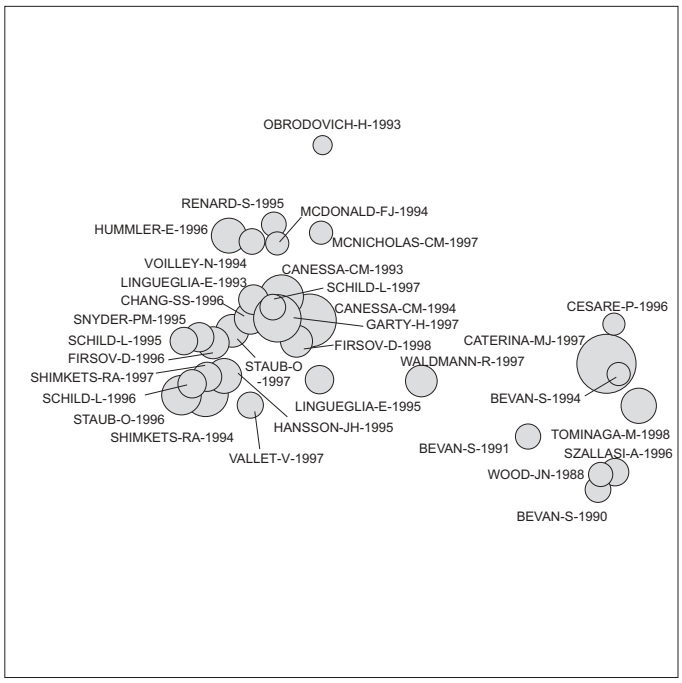
5 Momoi A, Murao K, Imachi H, Sayo Y, Nakamura H, Hosokawa H, Sato T, Fujita J, Okada H, Ishida T...
Thiazolidinedione inhibits production of RANTES in a cytokine- treated human lung epithelial cell line

5 Tedla N, Palladinetti P, Wakefield D, Lloyd A
Abundant expression of chemokines in malignant and infective human lymphadenopathies

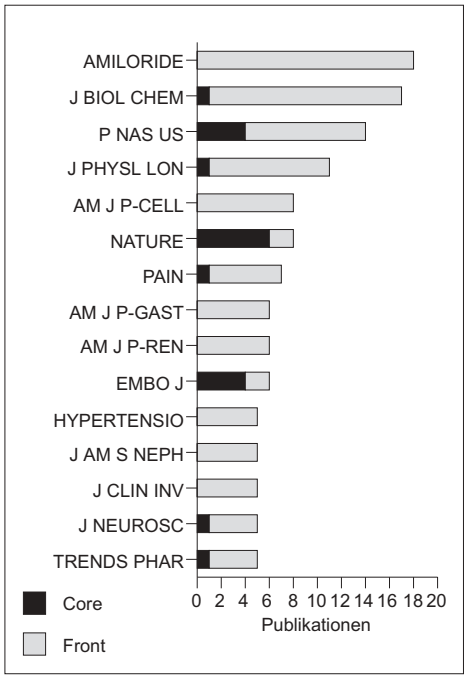
CH-Cluster 1347: Epithelial Sodium-Channel; Epithelial Na+ Channel; Epithelial Amiloride-sensitive Na+ Channel; Epithelial Na Channel; Epithelial Na+ Channel (ENaC)

33 Kernpublikationen / 247 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

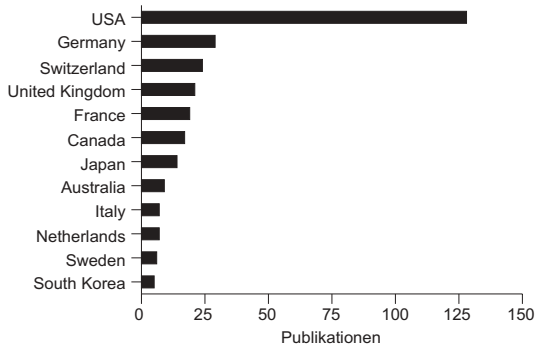


Akteure (Forschungsfront)

Institutionen

18 Univ Alabama, USA
17 Univ Iowa, USA
16 Univ Lausanne, Switzerland
9 Univ Calif San Francisco, USA
9 Univ Toronto, Canada
8 Harvard Univ, USA
7 Hosp Sick Children, Canada
7 NCI, USA
7 Vet Affairs Med Ctr, USA
6 CNRS, France
5 Univ Penn, USA
5 Univ Zurich, Switzerland
(und 211 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

18 Benos DJ, Stanton BA
Functional domains within the degenerin/epithelial sodium channel (Deg/ENaC) superfamily of ion channels

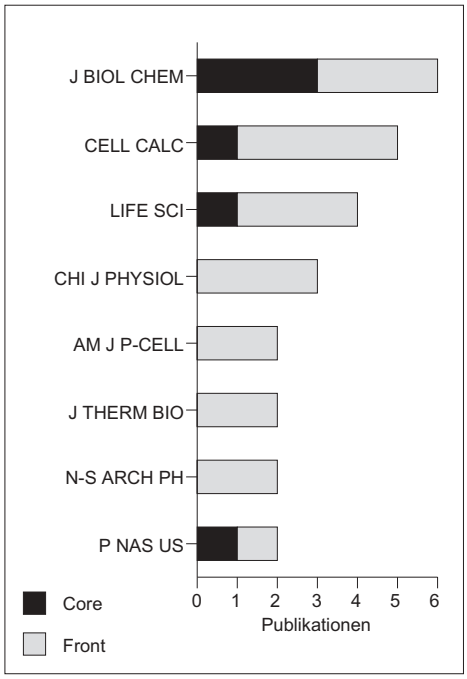
18 Stokes JB, Madias NE, Harrington JT
Disorders of the epithelial sodium channel: Insights into the regulation of extracellular volume and blood pressure

CH-Cluster 1385: Plasma-Membrane Calcium-Pump; Plasma-Membrane Ca2+ Pump; Plasma-Membrane Ca-2+-Atpase Isoforms Distribution; Mobilization; Internal Stores

11 Kernpublikationen / 43 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

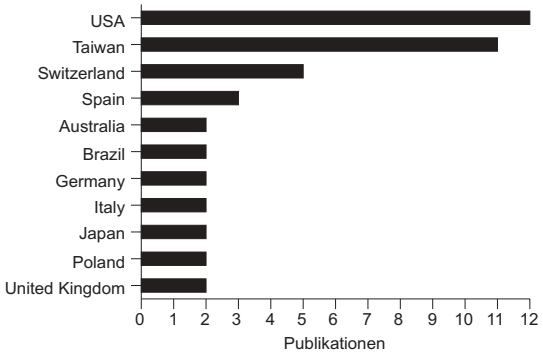


Akteure (Forschungsfront)

Institutionen

10 Natl Sun Yat Sen Univ, Taiwan
9 Vet Gen Hosp, Taiwan
4 ETH Zurich, Switzerland
2 Univ Fed Rio de Janeiro, Brazil
2 Univ Padua, Italy
2 Univ Sydney, Australia
2 USA, USA
2 Vet Gen Hosp Kaohsiung, Taiwan
(und weitere 43 Institutionen)

Länder



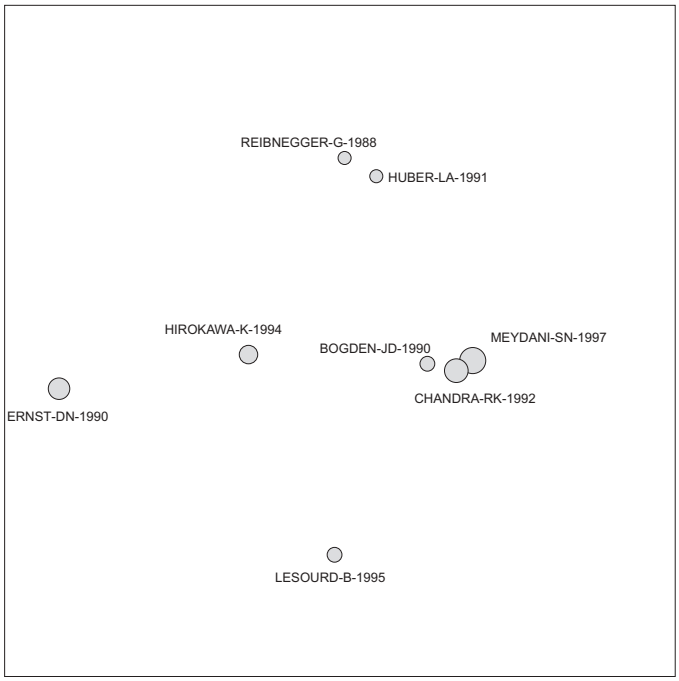
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Jan CR, Ho CM, Wu SN, Tseng CJ
Multiple effects of 1-[beta-[3-(4-methoxyphenyl)propoxy]-4- methoxy-phenethyl]-1H-imidazole hydrochloride [SKF 96365) on Ca2+ signaling in MDCK cells: depletion of thapsigargin- sensitive Ca2+ store followed by capacitative Ca2+ entry, activation of a dir

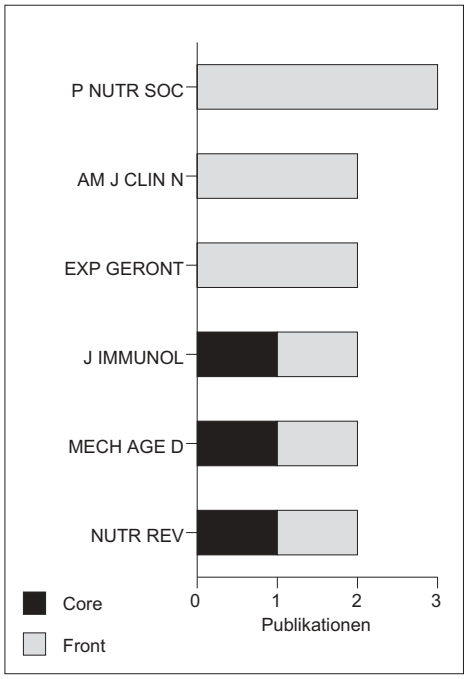
CH-Cluster 1391: Elderly; Elderly Subjects; Supplementation; Elderly Clinical; Healthy Elderly Subjects

8 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

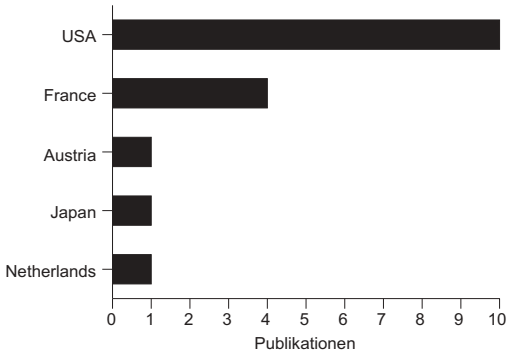


Akteure (Forschungsfront)

Institutionen

3 Tufts Univ, USA
2 Hop Charles Foix, France
2 Wake Forest Univ, USA
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

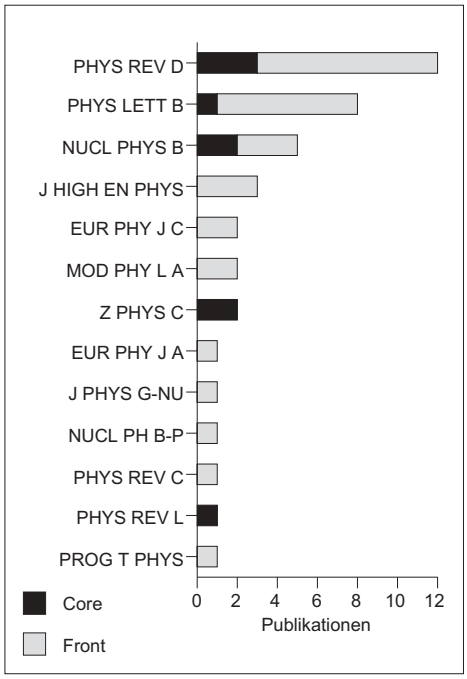
6 Lesourd B, Mazari L
Nutrition and immunity in the elderly

CH-Cluster 1392: QCD Sum-Rules; QCD; Pion Wave-Function; QCD Calculation; QCD 094016

9 Kernpublikationen / 31 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

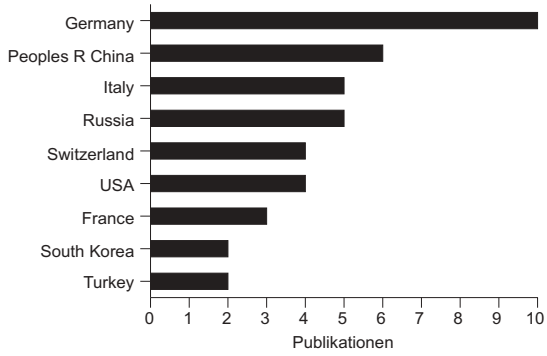


Akteure (Forschungsfront)

Institutionen

6 Acad Sinica, Peoples R China
5 Ist Nazl Fis Nucl, Italy
4 Ruhr Univ Bochum, Germany
3 CERN, Switzerland
3 Petersburg Nucl Phys Inst, Russia
2 Joint Inst Nucl Res, Russia
2 Middle E Tech Univ, Turkey
2 Univ Bari, Italy
2 Univ Naples Federico II, Italy
2 Univ Wurzburg, Germany
(und weitere 30 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

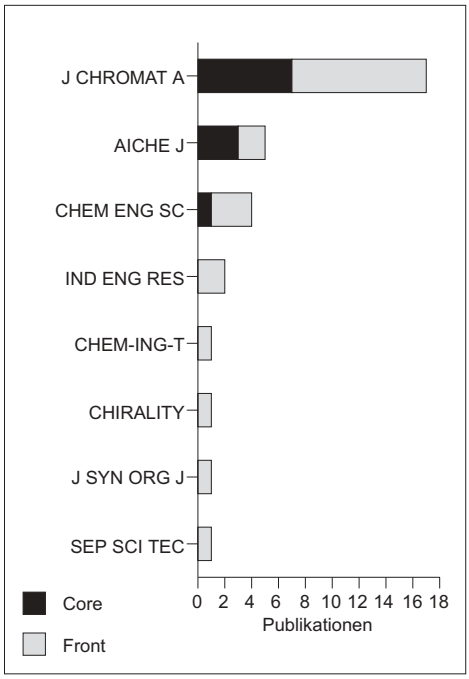
8 Ball P
B ->pi and B -> K transitions from QCD sum rules on the light- cone
5 Aliev TM, Savci M
Semileptonic B -> a(1)l nu decay in QCD

CH-Cluster 1452: Simulated Moving-Bed Chromatography; Simulated Moving-Bed; Separation; Laboratory-Developed Simulated Moving-Bed; Simulated Moving-Bed Units

11 Kernpublikationen / 21 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

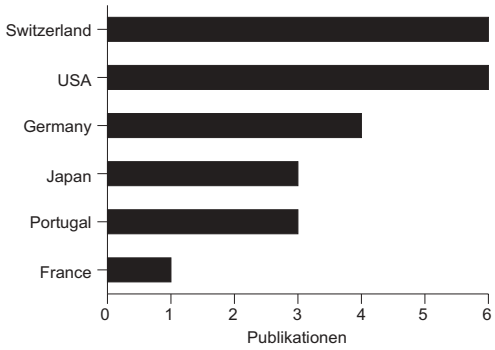


Akteure (Forschungsfront)

Institutionen

5 ETH Zurich, Switzerland
3 Univ Dortmund, Germany
3 Univ Porto, Portugal
(und weiter 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Migliorini C, Gentilini A, Mazzotti M, Morbidelli M
Design of simulated moving bed units under nonideal conditions

9 Pedeferri M, Zenoni G, Mazzotti M, Morbidelli M
Experimental analysis of a chiral separation through simulated moving bed chromatography

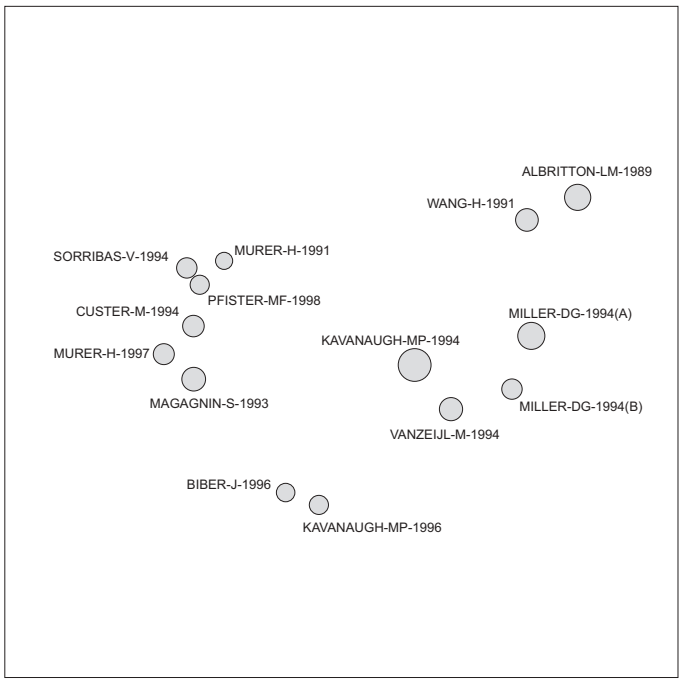
8 Heuer C, Kusters E, Plattner T, Seidel-Morgenstern A
Design of the simulated moving bed process based on adsorption isotherm measurements using a perturbation method

6 Migliorini C, Mazzotti M, Morbidelli M
Continuous chromatographic separation through simulated moving beds under linear and nonlinear conditions

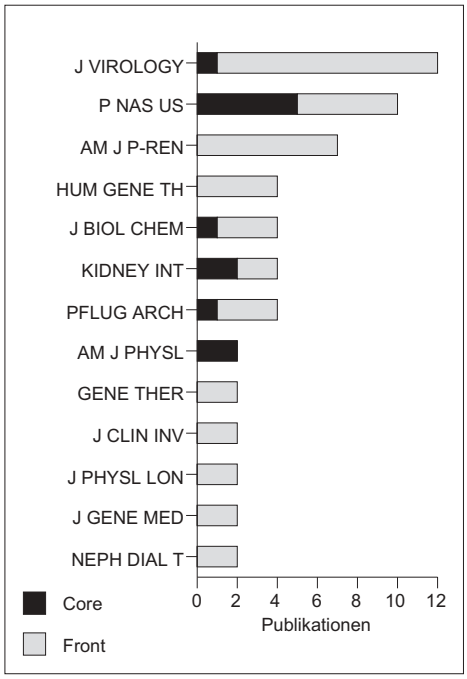
CH-Cluster 1456: Cloning; Gibbon Ape Leukemia-Virus; Cell-Surface Receptor; Cellular Receptor; Gibbon Ape Leukemia-Virus Receptor Family

14 Kernpublikationen / 56 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

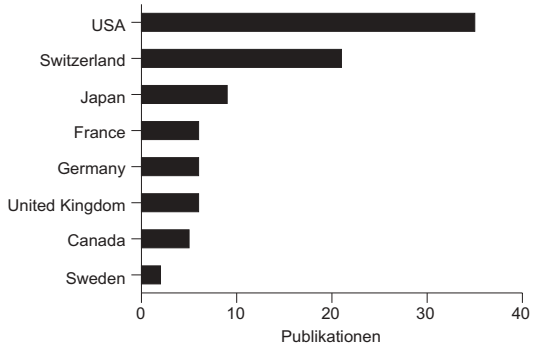


Akteure (Forschungsfront)

Institutionen

18 Univ Zurich, Switzerland
5 Univ Tokushima, Japan
4 Fred Hutchinson Canc Res Ctr, USA
4 NIAID, USA
4 Oregon Hlth Sci Univ, USA
3 Inst Pasteur, France
3 NCI, USA
3 Univ Texas, USA
3 Univ Washington, USA
3 Vet Affairs Med Ctr, USA
(und weitere 80 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Fernandes I, Beliveau R, Friedlander G, Silve C
NaPO4 cotransport type III (PiT1) expression in human embryonic kidney cells and regulation by PTH

9 Werner A, Dehmelt L, Nalbant P
Na+-dependent phosphate cotransporters: The NaPi protein families

7 Hoag HM, Martel J, Gauthier C, Tenenhouse HS
Effects of Npt2 gene ablation and low-phosphate diet on renal Na+/phosphate cotransport and cotransporter gene expression

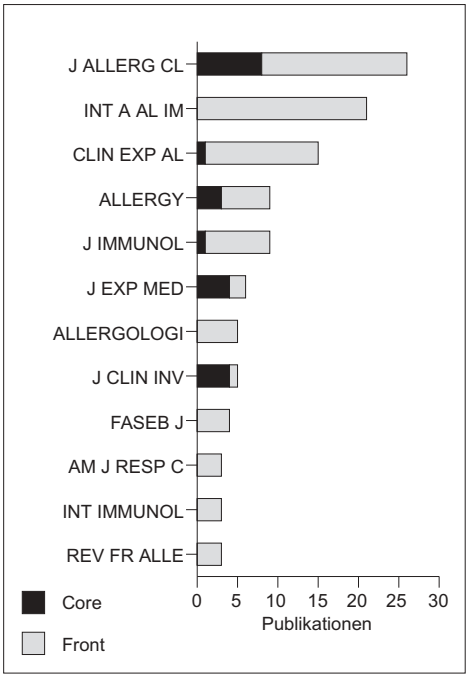
7 Tenenhouse HS
Recent advances in epithelial sodium-coupled phosphate transport

CH-Cluster 1474: Immunotherapy; Birch Pollen; Specific Immunotherapy; Pollen Allergens; Bee Venom Immunotherapy

28 Kernpublikationen / 128 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

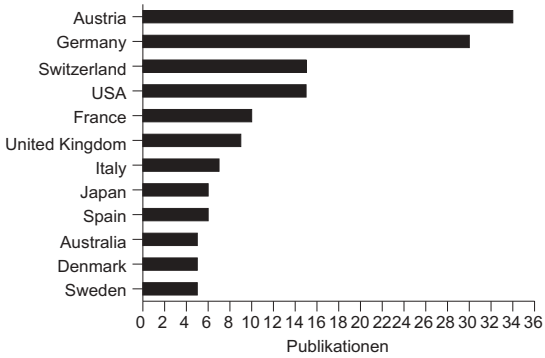


Akteure (Forschungsfront)

Institutionen

32 Univ Vienna, Austria
9 Swiss Inst Allergy & Asthma Res, Switzerland
5 Univ Mainz, Germany
4 ALK Abello, Denmark
4 European Mol Biol Lab, Germany
4 Paul Ehrlich Inst, Germany
4 Salzburg Univ, Austria
4 Stanford Univ, USA
4 Univ Jena, Germany
(und 146 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Bousquet J, Lockey RF, Malling HJ
Allergen immunotherapy: Therapeutic vaccines for allergic diseases - WHO position paper - Geneva, January 27-29, 1991 - Preface

12 Kraft D, Ferreira F, Vrtala S, Breiteneder H, Ebner C, Valenta R, Susani M, Breitenbach M, Scheiner O
The importance of recombinant allergens for diagnosis and therapy of IgE-mediated allergies

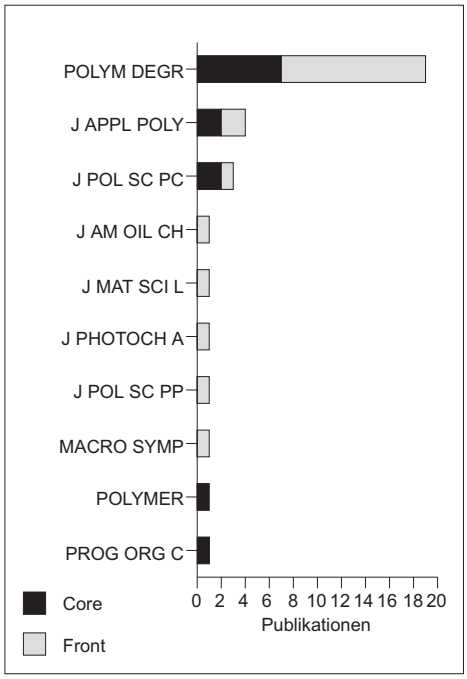
12 Valenta R, Vrtala S, Focke-Tejkl M, Bugajska-Schretter A, Ball T, Twardosz A, Spitzauer S, Gronlund H, Kraft D
Genetically engineered and synthetic allergen derivatives: Candidates for vaccination against Type I allergy

CH-Cluster 1476: Polyethylene; Degradation; Polyolefins; Thermooxidative Degradation; Thermal-Oxidation

12 Kernpublikationen / 21 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

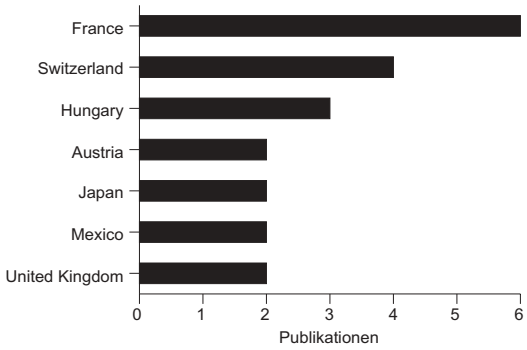


Akteure (Forschungsfront)

Institutionen

4 Univ Blaise Pascal, France
3 ENS Chim Clermont Ferrand, France
3 Hungarian Acad Sci, Hungary
3 Ochsengasse 20, Switzerland
3 Tech Univ Budapest, Hungary
2 Ctr Invest Quim Aplicada, Mexico
2 Manchester Metropolitan Univ, United Kingdom
2 PCD Polymere GmbH, Austria
(und weiter 14 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

4 Binet ML, Commereuc S, Chalchat JC, Lacoste J
Oxidation of polyterpenes: a comparison of poly alpha, and poly beta, pinenes behaviours - Part I - photo-oxidation

4 Gugumus F
Formation of ester functional groups in oxidizing polymers

4 Gugumus F
Physico-chemical aspects of polyethylene processing in an open mixer 2. Functional group formation on PE-LD processing

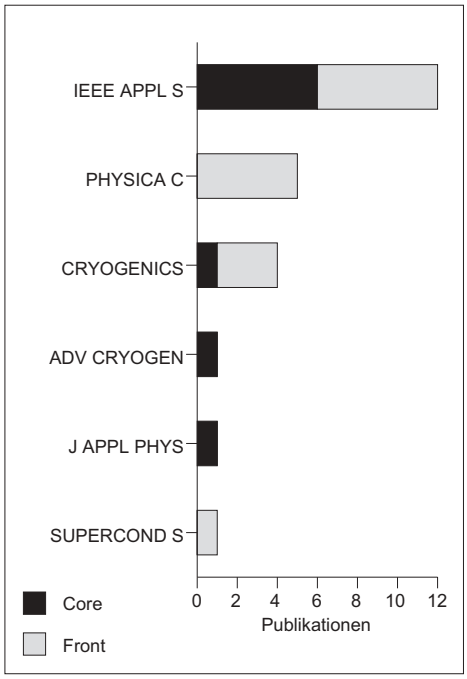
4 Mallegol J, Gardette JL, Lemaire J
Long-term behavior of oil-based varnishes and paints I. Spectroscopic analysis of curing drying oils

CH-Cluster 1511: Rutherford Cables; Cables; Minimum Quench Energies; Rutherford Type; Cables Wound

9 Kernpublikationen / 15 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

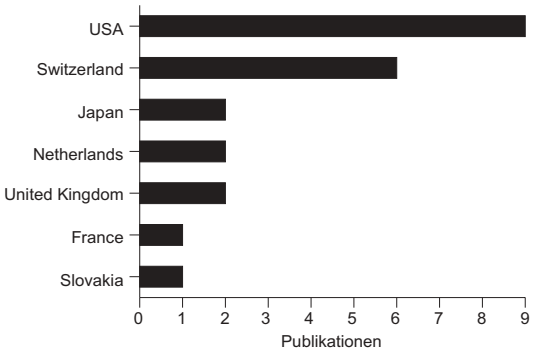


Akteure (Forschungsfront)

Institutionen

6 Ohio State Univ, USA
5 CERN, Switzerland
3 Brookhaven Natl Lab, USA
3 Univ Calif Berkeley, USA
2 IGC Adv Superconductors, USA
2 Lawrence Berkeley Lab, USA
2 Lawrence Berkeley Natl Lab, USA
2 Oxford Instruments, United Kingdom
2 Univ Twente, Netherlands
(und weitere 7 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Sumption MD, Collings EW, Scanlan RM, Nijhuis A, ten Kate HHJ
Core-suppressed AC loss and strand-moderated contact resistance in a Nb3Sn Rutherford cable

5 Collings EW, Sumption MD, Scanlan RM, Dietderich DR, Motowidlo LR, Sokolowski RS, Aoki Y, Hasegawa T
Bi : 2212/Ag-based Rutherford cables: production, processing and properties

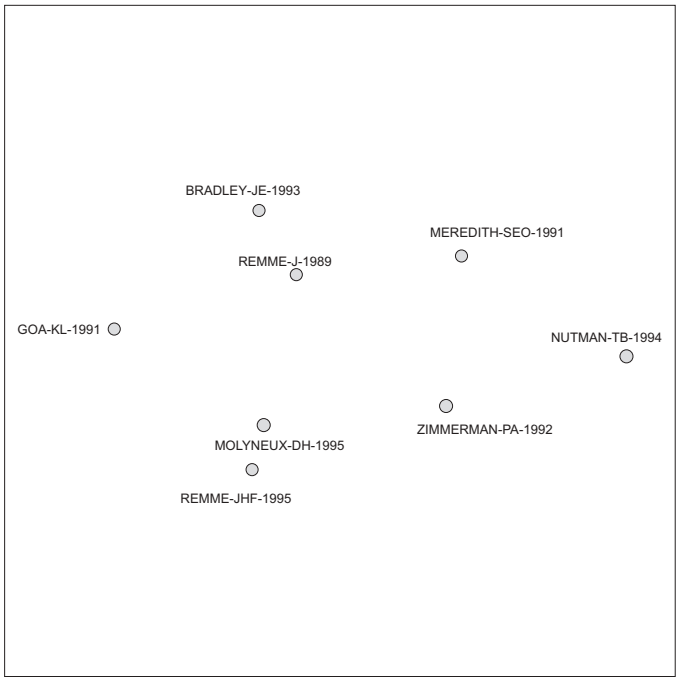
5 Devred A, Bacquart L, Bredy P, Bruzek CE, Laumond Y, Otmani R, Schild T
Interstrand resistance measurements on Nb3Sn Rutherford-type cables

5 Sumption MD, Scanlan RM, Collings EW
AC loss properties of some Bi : 2212/Ag Rutherford cables and a comparison with those of cables wound with NbTi and Nb3Sn

CH-Cluster 1533: Onchocerciasis; Onchocerciasis Control; Onchocerciasis Control Program; Ocular Onchocerciasis; Onchocerciasis Using

8 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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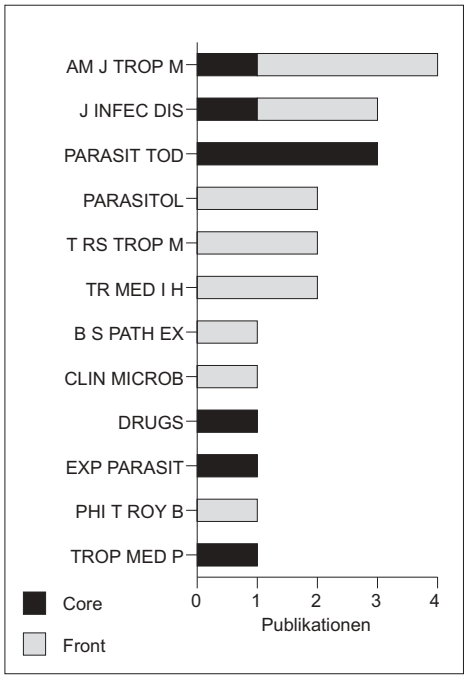
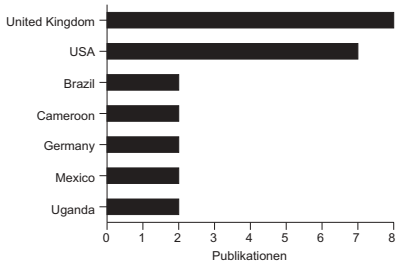


Akteure (Forschungsfront)

Institutionen

5 Univ Salford, United Kingdom
4 Univ Alabama, USA
2 Case Western Reserve Univ, USA
2 Inst Nacl Salud Publ, Mexico
2 Univ London Imperial Coll Sci Technol & Med, United Kingdom
2 Univ Oxford, United Kingdom
(Und weitere 26 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

3 Basanez MG, Boussinesq M
Population biology of human onchocerciasis

3 Bradley JE, Atogho BM, Elson L, Stewart GR, Boussinesq M
A cocktail of recombinant Onchocerca volvulus antigens for serologic diagnosis with the potential to predict the endemicity of onchocerciasis infection

3 Hall LR, Pearlman E
Pathogenesis of onchocercal keratitis (river blindness)

3 Ogunrinade A, Boakye D, Merriweather A, Unnasch TR
Distribution of the blinding and nonblinding strains of Onchocerca volvulus in Nigeria

3 Rodriguez-Perez MA, Danis-Lozano R, Rodriguez MH, Unnasch TR, Bradley JE
Detection of Onchocerca volvulus infection in Simulium ochraceum sensu lato: comparison of a PCR assay and fly dissection in a Mexican hypoendemic community

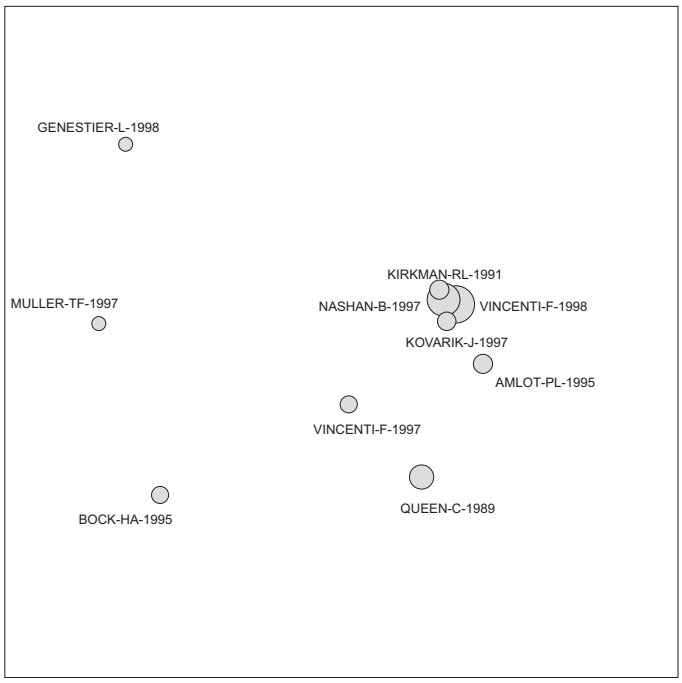
3 Rodriguez-Perez MA, Danis-Lozano R, Rodriguez MH, Bradley JE
Comparison of serological and parasitological assessments of Onchocerca volvulus transmission after 7 years of mass ivermectin treatment in Mexico

3 Whitworth JAG, Gemade E
Independent evaluation of onchocerciasis rapid assessment methods in Benue State, Nigeria

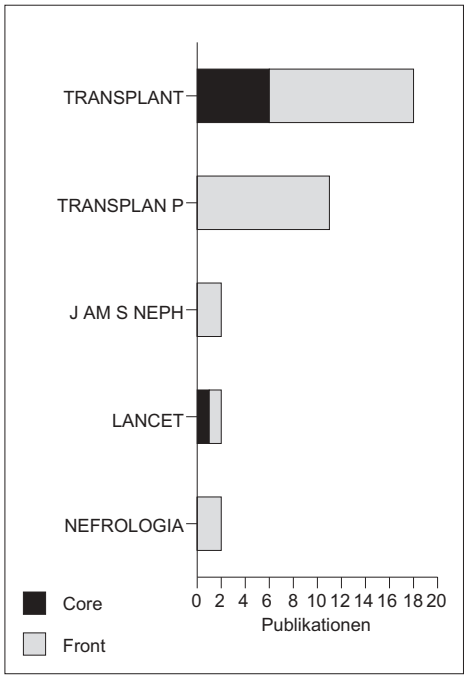
CH-Cluster 1556: Renal-Transplantation; Randomized Prospective Trial; Interleukin-2 Receptor; Randomized Trial; Interleukin-2 Receptor Monoclonal-Antibody

10 Kernpublikationen / 50 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

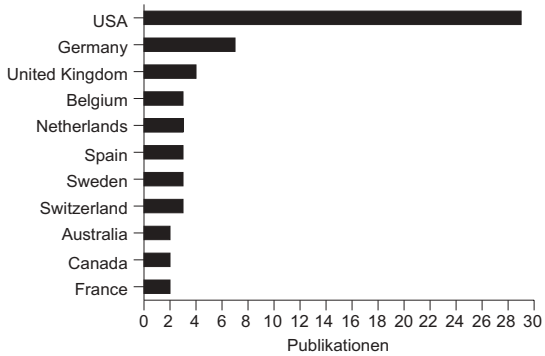


Akteure (Forschungsfront)

Institutionen

4 Prot Design Labs Inc, USA
3 Harvard Univ, USA
3 Malmo Univ Hosp, Sweden
3 Novartis Pharma AG, Switzerland
3 Univ Calif San Francisco, USA
(und weitere 75 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Berard JL, Velez RL, Freeman RB, Tsunoda SM
A review of interleukin-2 receptor antagonists in solid organ transplantation

6 Kahan BD, Rajagopalan PR, Hall M
Reduction of the occurrence of acute cellular rejection among renal allograft recipients treated with basiliximab, a chimeric anti-interleukin-2-receptor monoclonal antibody

6 Kirkman RL
New usage paradigms in antibody therapy: Induction or true prophylaxis?

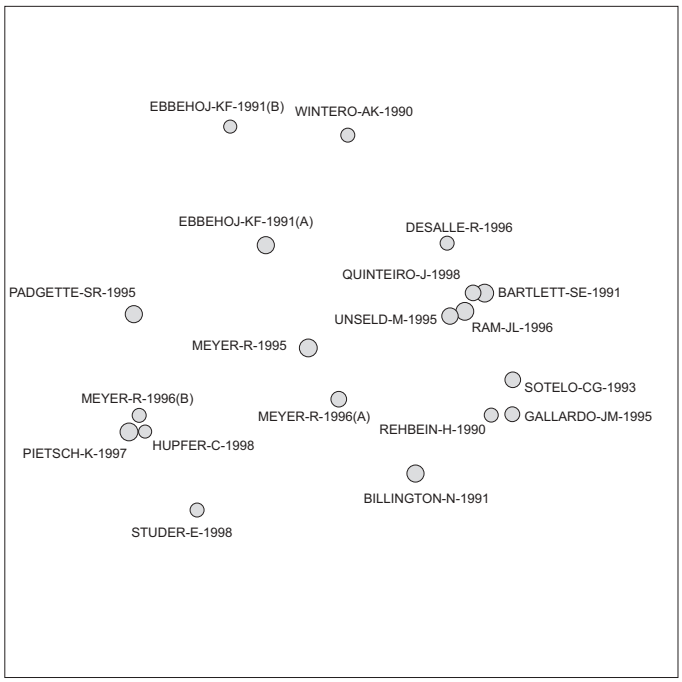
6 Nashan B, Light S, Hardie IR, Lin A, Johnson JR
Reduction of acute renal allograft rejection by daclizumab

6 Vincenti F
Potential of daclizumab in solid organ transplantation

CH-Cluster 1574: Identification; Species Identification; Fish Species Identification; PCR Identification; Fish Species Identification Differentiation

19 Kernpublikationen / 36 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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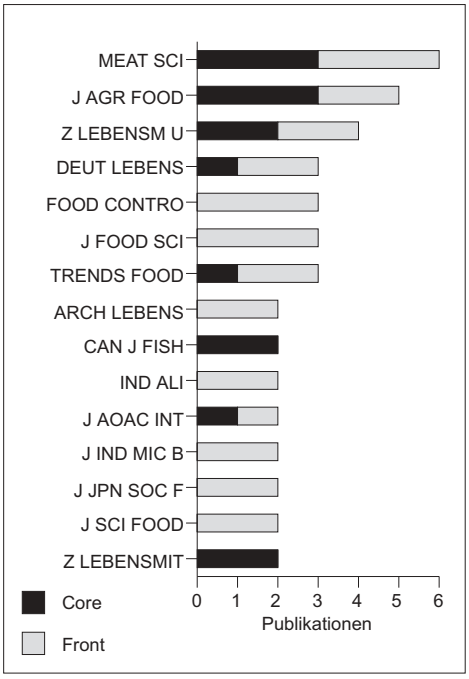


Akteure (Forschungsfront)

Institutionen

4 Univ Bern, Switzerland
4 Univ Complutense, Spain
3 Japan Meat Processors Assoc, Japan
3 Univ Complutense Madrid, Spain
3 Univ Utrecht, Netherlands
2 CSIC, Spain
2 Natl Inst Anim Ind, Japan
2 Norwegian Inst Fisheries & Aquaculture, Norway
2 Rowett Res Inst, United Kingdom
2 TEAGASC, Ireland
2 Univ Santiago de Compostela, Spain
(und 30 weitere Institutionen)

Länder

Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

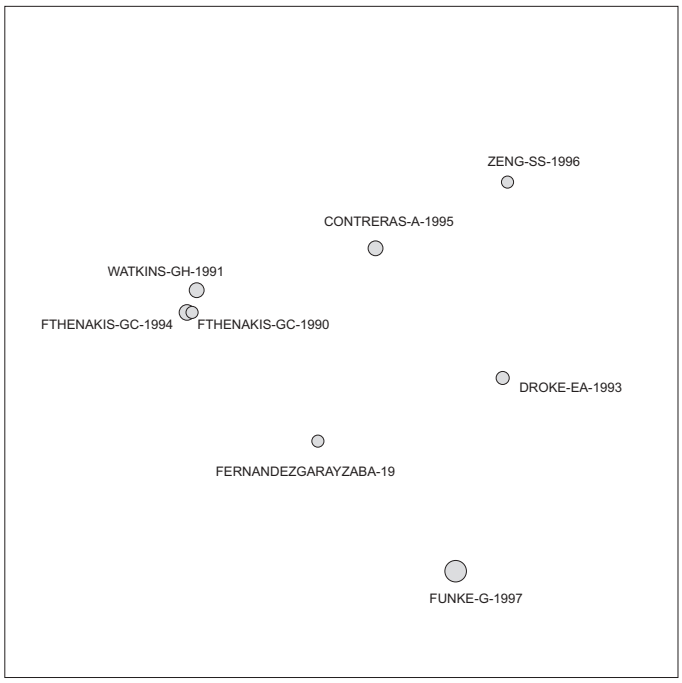
9 Carrera E, Garcia T, Cespedes A, Gonzalez I, Fernandez A, Hernandez PE, Martin R
PCR-RFLP of the mitochondrial cytochrome oxidase gene: a simple method for discrimination between Atlantic salmon (Salmo salar) and rainbow trout (Oncorhynchus mykiss)

8 Cespedes A, Garcia T, Carrera E, Gonzalez I, Fernandez A, Hernandez PE, Martin R
Application of polymerase chain reaction-single strand conformational polymorphism (PCR-SSCP) to identification of flatfish species

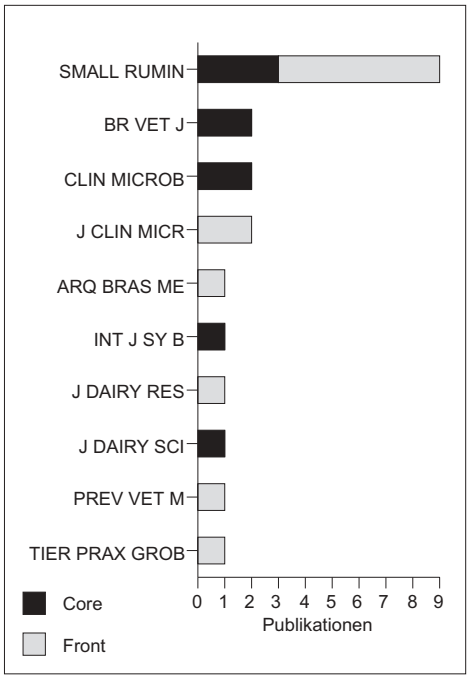
CH-Cluster 1582: Subclinical Mastitis; Prevalence; Ewes; Etiology; Effect

9 Kernpublikationen / 12 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

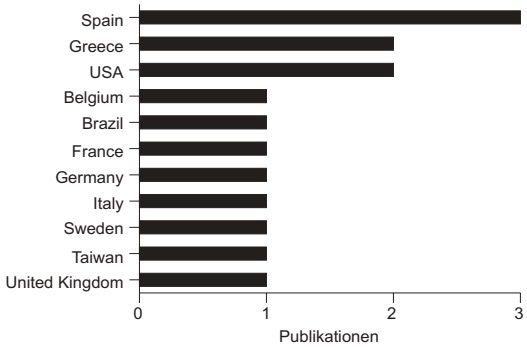


Akteure (Forschungsfront)

Institutionen

2 TEI Epirus, Greece
2 Univ Murcia, Spain
2 Univ Thessaloniki, Greece
2 Univ Thessaly, Greece
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Las Heras A, Dominguez L, Fernandez-Garayzabal JF
Prevalence and aetiology of subclinical mastitis in dairy ewes of the Madrid region

3 Saratsis P, Alexopoulos C, Tzora A, Fthenakis GC
The effect of experimentally induced subclinical mastitis on the milk yield of dairy ewes

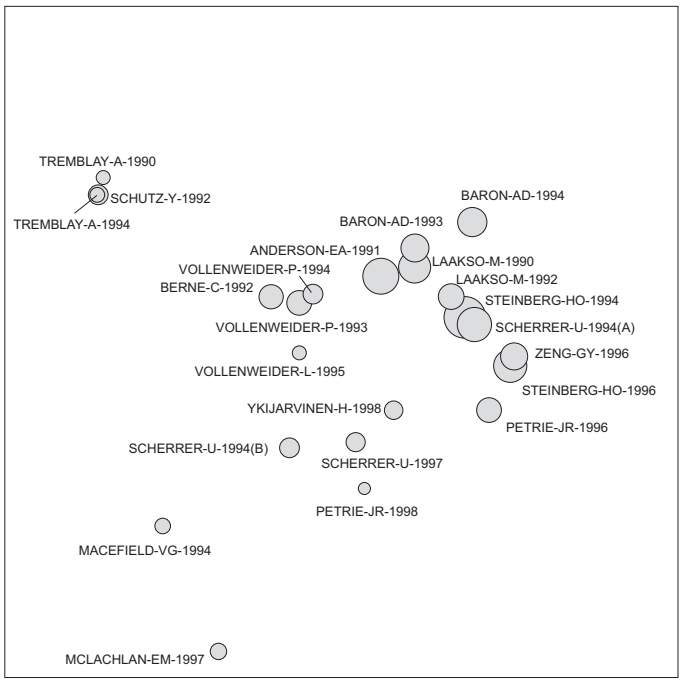
3 Saratsis P, Leontides L, Tzora A, Alexopoulos C, Fthenakis GC
Incidence risk and aetiology of mammary abnormalities in dry ewes in 10 flocks in Southern Greece

3 Sevi A, Massa S, Annicchiarico G, Dell'Aquila S, Muscio A
Effect of stocking density on ewes' milk yield, udder health and microenvironment

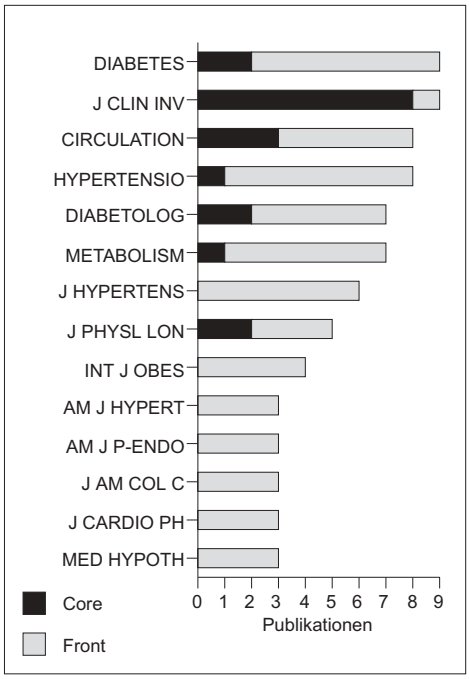
CH-Cluster 1587: Insulin; Vasodilation; Humans; Skeletal-Muscle; Skeletal-Muscle Blood-Flow

23 Kernpublikationen / 117 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

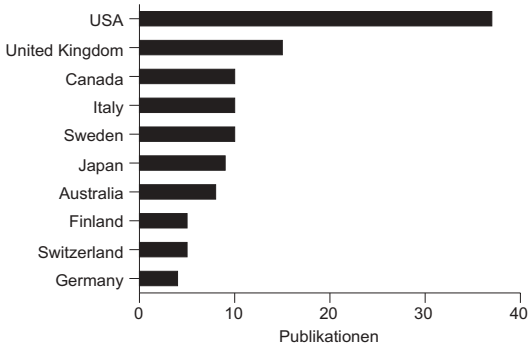


Akteure (Forschungsfront)

Institutionen

5 Univ Laval, Canada
4 Univ Uppsala Hosp, Sweden
3 CHU Vaudois, Switzerland
3 Hannover Med Sch, Germany
3 Jagiellonian Univ, Poland
3 Prince Wales Med Res Inst, Australia
3 Shiga Univ Med Sci, Japan
3 Univ Helsinki, Finland
3 Univ Michigan, USA
3 Univ Texas, USA
3 Univ Vienna, Austria
3 Vet Affairs Med Ctr, USA
(und 142 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

15 Sartori C, Scherrer U
Insulin, nitric oxide and the sympathetic nervous system: at the crossroads of metabolic and cardiovascular regulation

12 Abbink-Zandbergen EJ, Vervoort G, Tack CJJ, Lutterman JA, Schaper NC, Smits P
The role of adenosine in insulin-induced vasodilation

10 Kawaguchi M, Koshimura K, Murakami Y, Tsumori M, Gonda T, Kato Y
Antihypertensive effect of insulin via nitric oxide production in the Zucker diabetic fatty rat, an animal model for non- insulin-dependent diabetes mellitus

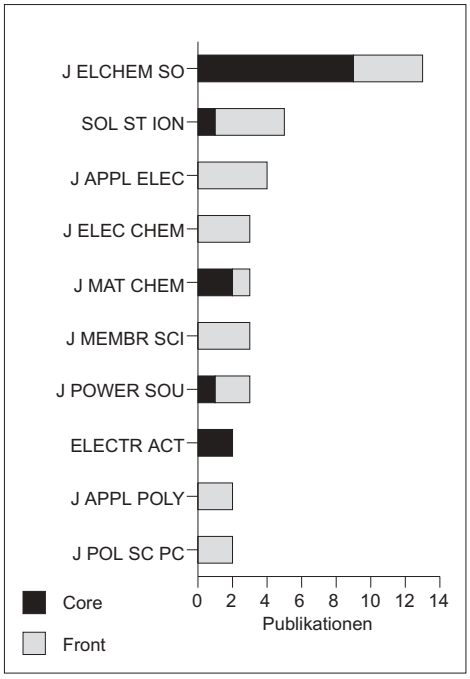
9 Westerbacka J, Vehkavaara S, Bergholm R, Wilkinson I, Cockcroft J, Yki-Jarvinen H
Marked resistance of the ability of insulin to decrease arterial stiffness characterizes human obesity

CH-Cluster 1599: Fuel-cells; Polymer Electrolytes; Water; Polymer Membranes; Water-Uptake

19 Kernpublikationen / 34 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

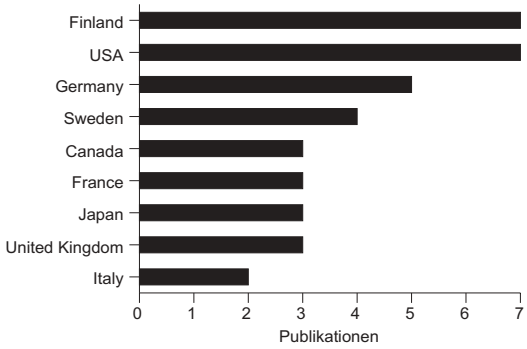


Akteure (Forschungsfront)

Institutionen

7 Univ Helsinki, Finland
4 Chalmers Univ Technol, Sweden
4 Helsinki Univ Technol, Finland
2 CNRS, France
2 Max Planck Inst Festkorperforsch, Germany
2 MITI, Japan
2 Univ Calif Los Alamos Natl Lab, USA
2 Univ Newcastle Upon Tyne, United Kingdom
2 Univ Victoria, Canada
(und 27 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

8 Paddison SJ, Reagor DW, Zawodzinski TA
High frequency dielectric studies of hydrated Nafion (R)

8 Paddison SJ, Zawodzinski TA
Molecular modeling of the pendant chain in Nafion (R)

6 Hietala S, Paronen M, Holmberg S, Nasman J, Juhanoja J, Karjalainen M, Serimaa R, Toivola M, Lehtinen T, Parovuori K, Sundholm G, Ericson H, Mattsson B, Torell L, Sundholm F
Phase separation and crystallinity in proton conducting membranes of styrene grafted and sulfonated poly(vinylidene fluoride)

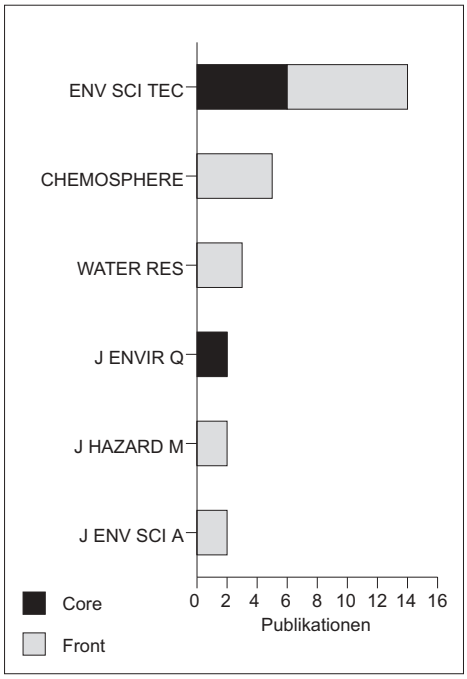
6 Mattsson B, Ericson H, Torell LM, Sundholm F
Micro-Raman investigations of PVDF-based proton-conducting membranes

CH-Cluster 1615: Hydrogen-Peroxide; Photo-Fenton Reaction; Photolysis; Iron(III) Oxalato Complexes; Fe(III)-Hydroxy Complexes

11 Kernpublikationen / 36 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

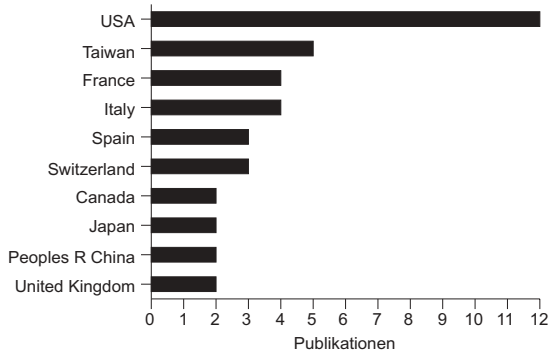


Akteure (Forschungsfront)

Institutionen

3 Chia Nan Coll Pharm & Sci, Taiwan
3 Connecticut Agr Expt Stn, USA
3 Tamkang Univ, Taiwan
2 Carburos Met SA, Spain
2 Florida Int Univ, USA
2 Swiss Fed Inst Technol, Switzerland
2 Univ Barcelona, Spain
2 Univ Leeds, United Kingdom
2 Univ Nebraska, USA
(und weiter 33 Institutionen)

Länder



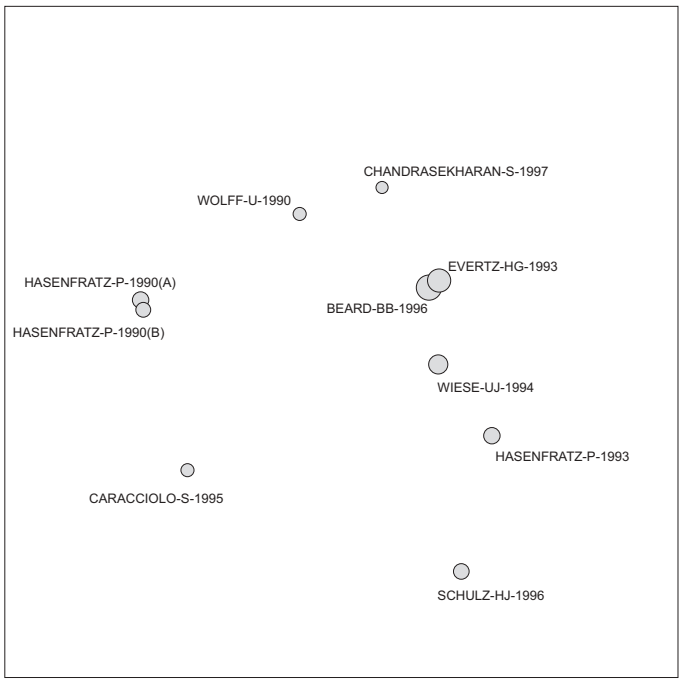
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Bier EL, Singh J, Li ZM, Comfort SD, Shea PJ
Remediating hexahydro-1,3,5-trinitro-1,2,5-trazine-contaminated water and soil by fenton oxidation
5 Hislop KA, Bolton JR
The photochemical generation of hydroxyl radicals in the UV- vis/ferrioxalate/H2O2 system

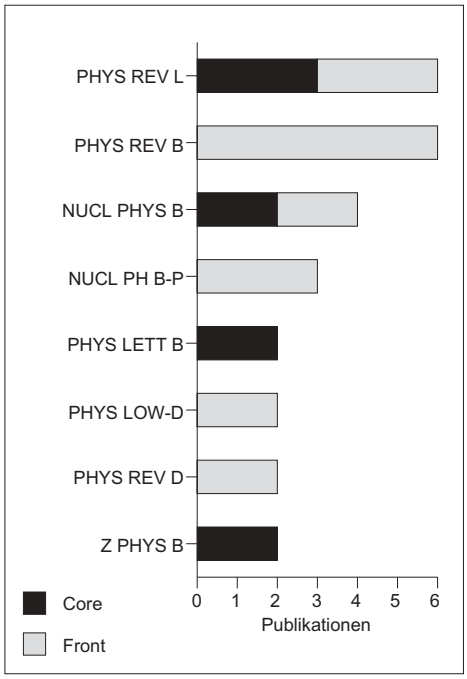
CH-Cluster 1625: Exact Mass Gap; O(3); O(3) Nonlinear Sigma-Model; Mass Generation; Frustrated Quantum Heisenberg-Antiferromagnet

10 Kernpublikationen / 26 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

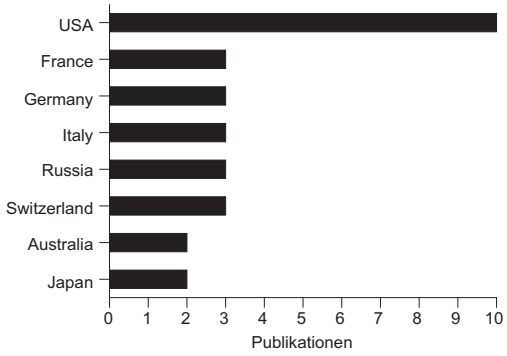


Akteure (Forschungsfront)

Institutionen

5 MIT, USA
3 ETH Honggerberg, Switzerland
3 Russian Acad Sci, Russia
3 Univ Calif Los Alamos Natl Lab, USA
2 Boston Univ, USA
2 Ist Nazl Fis Nucl, Italy
2 Univ Illinois, USA
2 Univ Milan, Italy
2 Univ New S Wales, Australia
2 Univ Tokyo, Japan
2 Yale Univ, USA
(und weitere 23 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

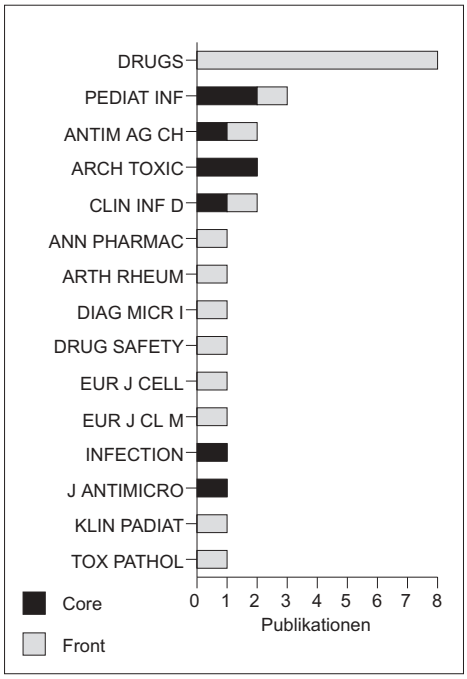
6 Brower R, Chandrasekharan S, Wiese UJ
QCD as a quantum link model - art. no. 094502
6 Wiese UJ
Quantum spins and quantum links: The D-theory approach to field theory

CH-Cluster 1628: Ciprofloxacin; Safety; Use; Compassionate Use Safety Report; Pediatrics Worldwide Clinical-Experience Based

48 Kernpublikationen / 107 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

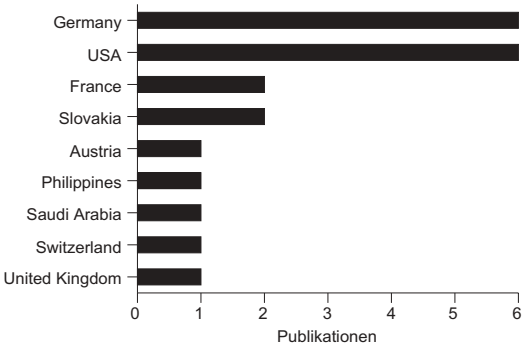


Akteure (Forschungsfront)

Institutionen

6 Free Univ Berlin, Germany
2 Postgrad Med Sch, Slovakia
2 Univ Hosp Kosice, Slovakia
2 Univ Trnava, Slovakia
(und weitere 28 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Filka J, Uher J, Kurak H, Sagat T, Tuharsky J, Novak I, Urbanova T, Kralinsky K, Dluholucky S, Krcmeryova T, Krcmery V
Ciprofloxacin in the treatment of nosocomial meningitis in neonates and infants A report of 12 cases

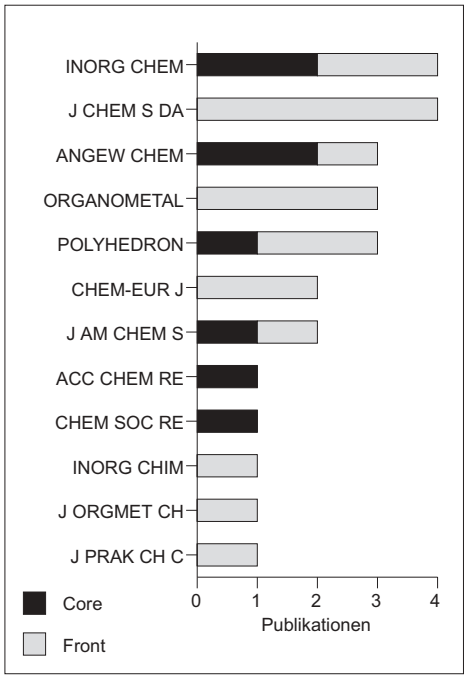
5 Krcmery V, Filka J, Uher J, Kurak H, Sagat T, Tuharsky J, Novak I, Urbanova T, Kralinsky K, Mateicka F, Krcmeryova T, Jurga L, Sulcova M, Stencl J, Krupova I
Ciprofloxacin in treatment of nosocomial meningitis in neonates and in infants: Report of 12 cases and review

CH-Cluster 1663: Characterization; Chemistry; Coordination Chemistry; Organometallic Chemistry; Main-Group Metal Chemistry

8 Kernpublikationen / 18 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

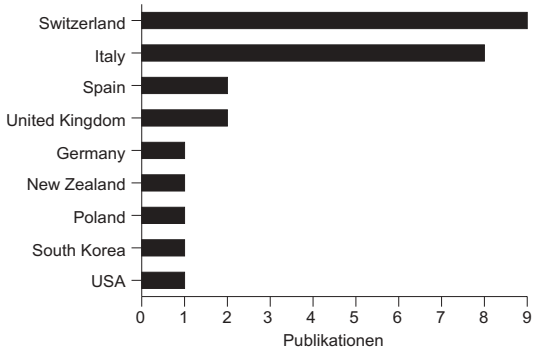


Akteure (Forschungsfront)

Institutionen

9 Univ Lausanne, Switzerland
5 Univ Parma, Italy
4 Univ G DAnnunzio, Italy
2 CSIC, Spain
2 Univ Sevilla, Spain
(und weitere 15 Institutionen)

Länder



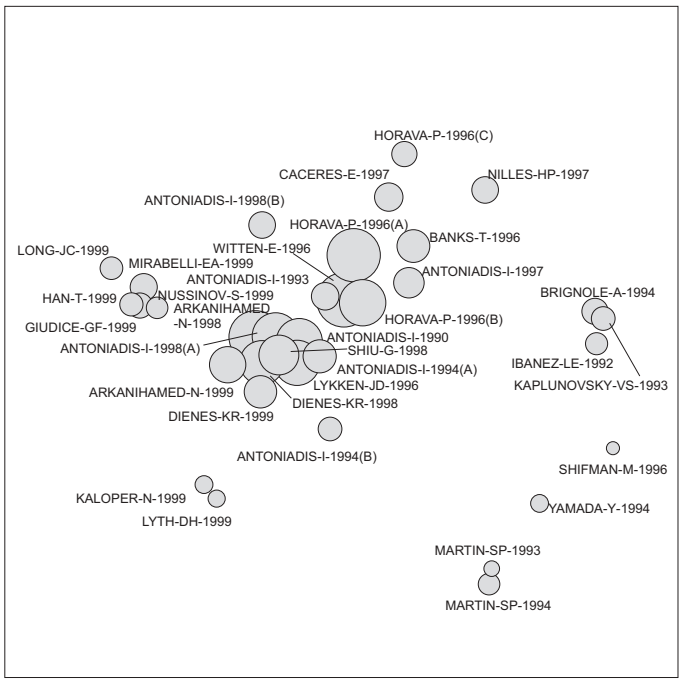
Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

5 Klose A, Hesschenbrouck J, Solari E, Latronico M, Floriani C, Re N, Chiesi-Villa A, Rizzoli C
The metal-carbon multiple bond in iron(I)- and iron(II)- dibenzotetramethyltetra[14]azaannulene: carbene, carbonyl, and isocyanide derivatives

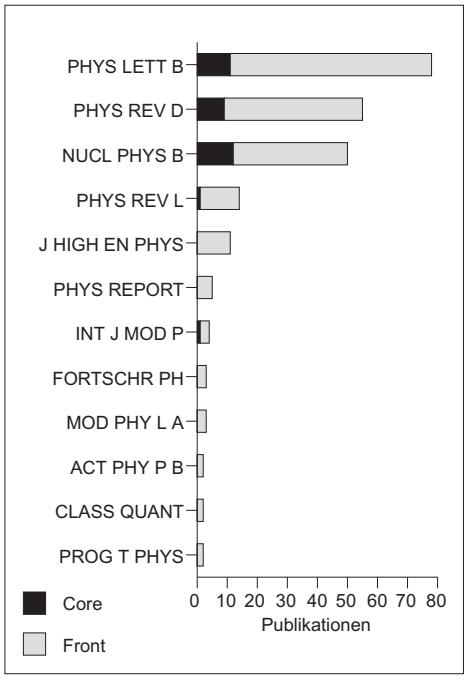
CH-Cluster 1687: Extra Dimensions; New Dimensions; Soft Terms; Strongly Coupled Heterotic String Theory; 11 Dimensions

34 Kernpublikationen / 202 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

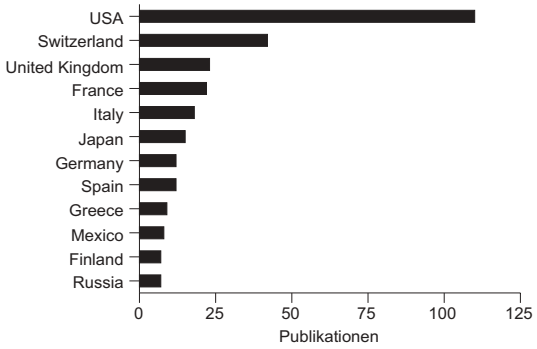


Akteure (Forschungsfront)

Institutionen

40 CERN, Switzerland
16 Stanford Univ, USA
13 Princeton Univ, USA
12 Northeastern Univ, USA
11 Ecole Polytech, France
10 Fermi Natl Accelerator Lab, USA
10 Univ Penn, USA
8 Harvard Univ, USA
8 Univ Oxford, United Kingdom
8 Univ Paris Sud, France
7 Univ Minnesota, USA
(und 194 weitere Institutionen)

Länder



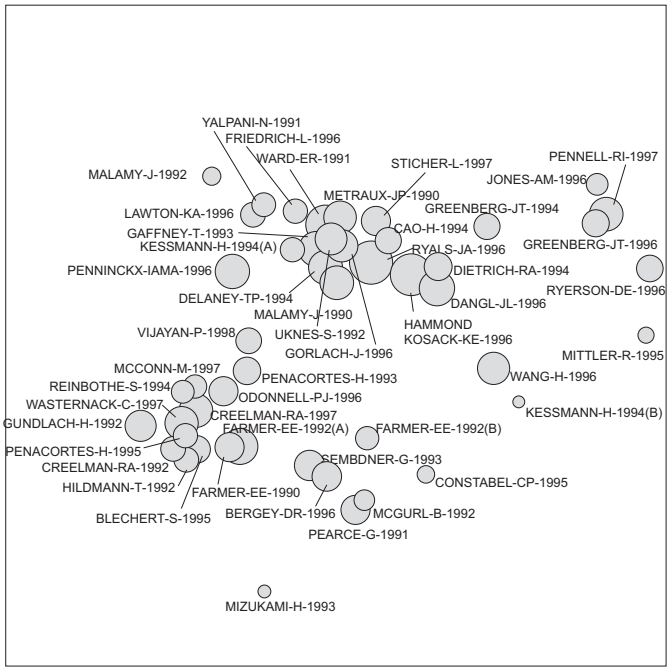
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

20 Delgado A, Pomarol A, Quiros M
Supersymmetry and electroweak breaking from extra dimensions at the TeV scale - art. no. 095008
18 Benakli K
Phenomenology of low quantum gravity scale models - art. no. 104002
16 Benakli K, Davidson S
Baryogenesis in models with a low quantum gravity scale - art. no. 025004
16 Han T, Lykken JD, Zhang RJ
Kaluza-Klein states from large extra dimensions - art. no. 105006

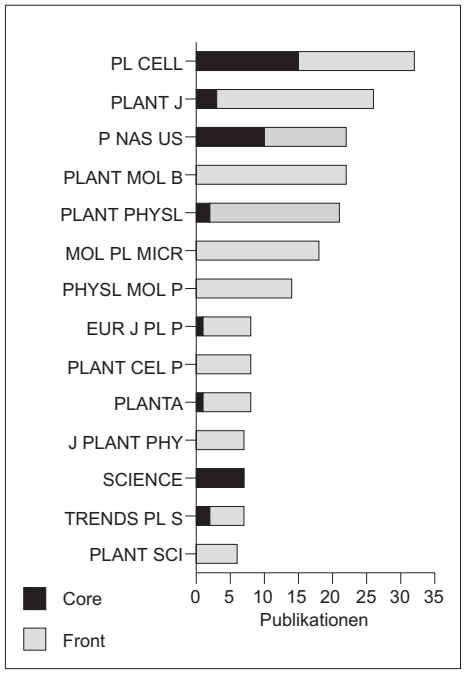
CH-Cluster 1695: Plants; Systemic Acquired-Resistance; Salicylic-Acid; Arabidopsis; Programmed Cell-Death

48 Kernpublikationen / 316 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

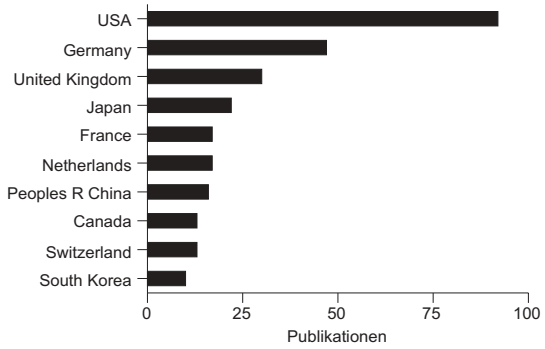


Akteure (Forschungsfront)

Institutionen

13 Washington State Univ, USA
9 Univ Calif Davis, USA
8 INRA, France
7 Univ Utrecht, Netherlands
6 Inst Pflanzenbiochem, Germany
6 Nara Inst Sci & Technol, Japan
6 Rutgers State Univ, USA
(und weitere 265 Institutionen)

Länder



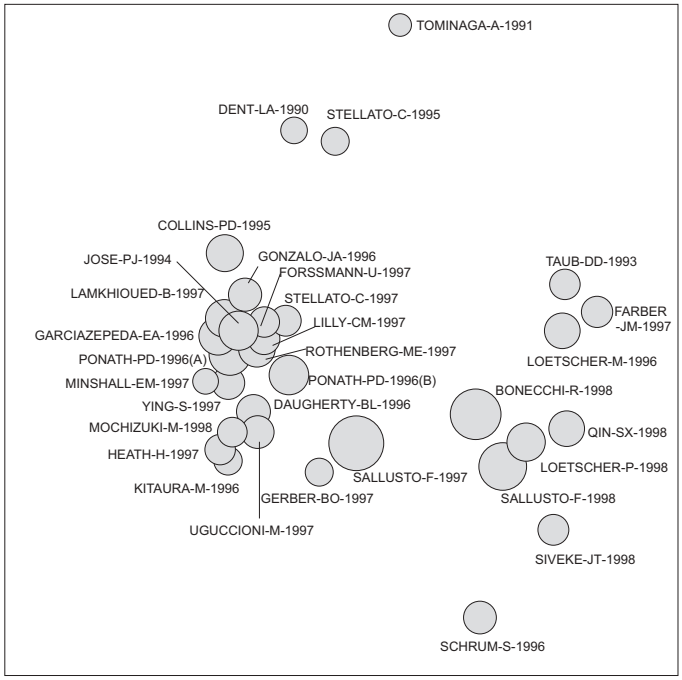
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

18 Bostock RM
Signal conflicts and synergies in induced resistance to multiple attackers
17 Dempsey DA, Shah J, Klessig DF
Salicylic acid and disease resistance in plants
16 Shah J, Kachroo P, Klessig DF
The Arabidopsis ssi1 mutation restores pathogenesis-related gene expression in npr1 plants and renders defensin gene expression salicylic acid dependent

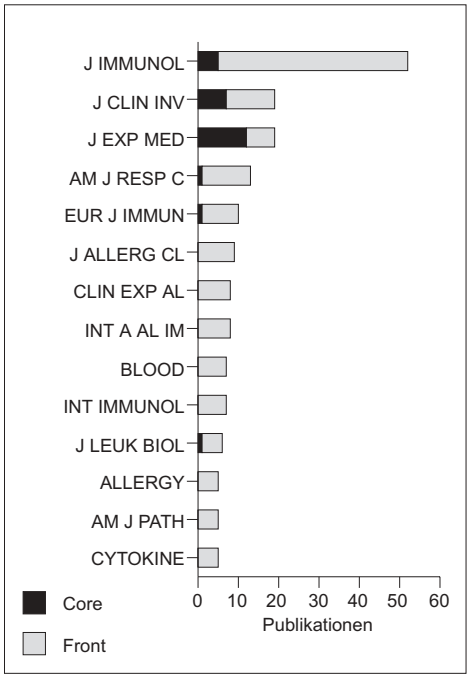
CH-Cluster 1704: Eotaxin; Expression; Eotaxin Receptor CCR3; Eotaxin Messenger-RNA; Eosinophils

32 Kernpublikationen / 287 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

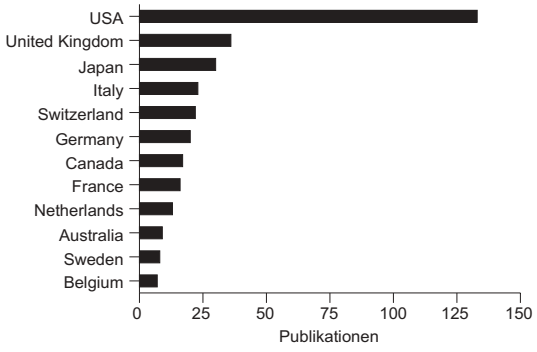


Akteure (Forschungsfront)

Institutionen

19 Harvard Univ, USA
14 Univ Tokyo, Japan
12 Brigham & Womens Hosp, USA
10 Univ Michigan, USA
9 Leukosite Inc, USA
9 Natl Heart & Lung Inst, United Kingdom
9 Univ London Imperial Coll Sci Technol & Med, United Kingdom
8 Massachusetts Gen Hosp, USA
8 McGill Univ, Canada
8 NIAID, USA
(und 301 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

18 Nickel R, Beck LA, Stellato C, Schleimer RP
Chemokines and allergic disease

16 Chung KF, Barnes PJ
Cytokines in asthma

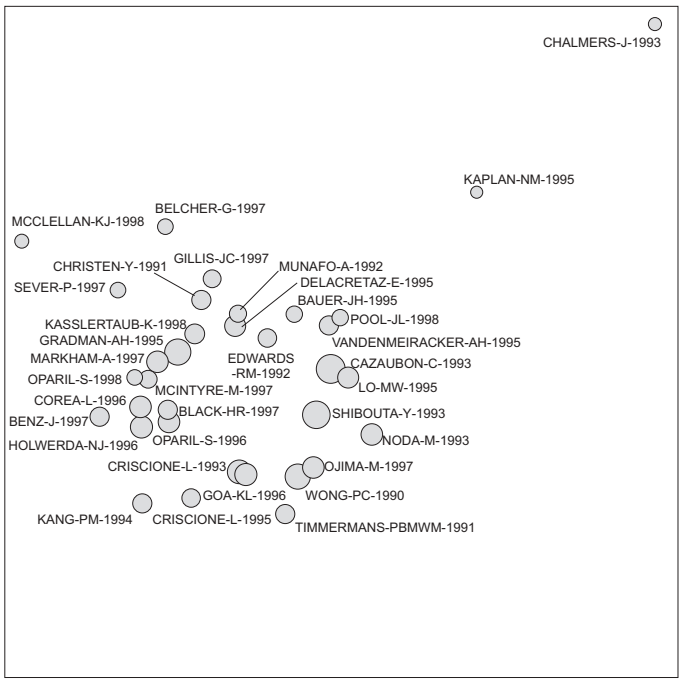
16 Jahnsen FL, Haye R, Gran E, Brandtzaeg P, Johansen FE
Glucocorticosteroids inhibit mRNA expression for eotaxin, eotaxin-2, and monocyte-chemotactic protein-4 in human airway inflammation with eosinophilia

16 Van Coillie E, Van Damme J, Opdenakker G
The MCP eotaxin subfamily of CC chemokines

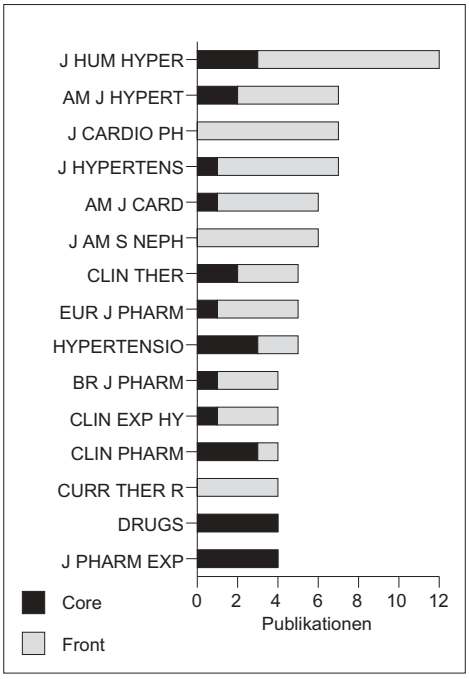
CH-Cluster 1706: Valsartan; New Angiotensin-II Antagonist; Hypertension; Angiotensin-II Receptor Antagonist; Essential-Hypertension

34 Kernpublikationen / 106 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

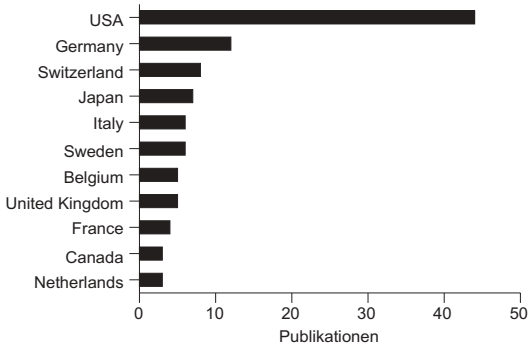


Akteure (Forschungsfront)

Institutionen

7 Bristol Myers Squibb Pharmaceut Res Inst, USA
5 Univ Kiel, Germany
4 CHU Vaudois, Switzerland
4 Free Univ Brussels, Belgium
3 Merck & Co Inc, USA
3 SmithKline Beecham Pharmaceut, USA
3 Univ Alabama, USA
(und weitere 135 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

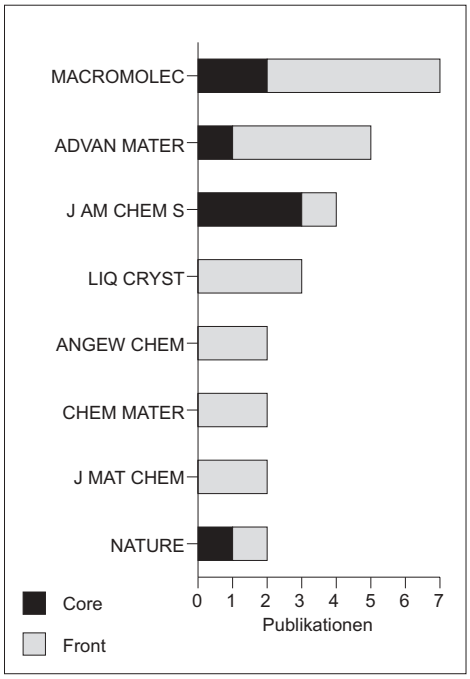
15 Birkenhager WH, de Leeuw PW
Non-peptide angiotensin type 1 receptor antagonists in the treatment of hypertension
14 Burnier M, Brunner HR
Comparative antihypertensive effects of angiotensin II receptor antagonists
11 Chung O, Csikos T, Unger T
Angiotensin II receptor pharmacology and AT(1)-receptor blockers
11 Remuzzi A, Perico N, Remuzzi G
Pharmacological and clinical profile of valsartan
11 Unger T
Significance of angiotensin type 1 receptor blockade: Why are angiotensin II receptor blockers different?

CH-Cluster 1723: Conjugated Polymers; Photoluminescent Materials; Fluorescent Porous Polymer-Films; Rigid-Rod Conjugated Polymers; New Rigid Backbone Conjugated Organic Polymers

12 Kernpublikationen / 32 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

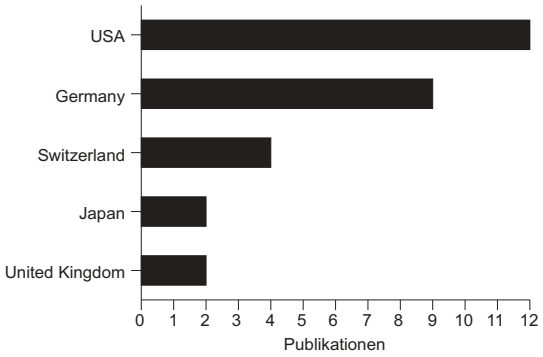


Akteure (Forschungsfront)

Institutionen

6 Univ S Carolina, USA
3 ETH Zurich, Switzerland
3 Max Planck Inst Polymerforsch, Germany
3 Univ Rochester, USA
2 Coll Charleston, USA
2 Eastman Kodak Co, USA
2 Humboldt Univ, Germany
2 Univ Jena, Germany
2 Univ Sheffield, United Kingdom
(und weiter 28 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Fiesel R, Halkyard CE, Rampey ME, Kloppenburg L, Studer-Martinez SL, Scherf U, Bunz UHF
Aggregation and chiroptical behavior of a high molecular weight chirally substituted dialkylpoly(p-phenyleneethynylene)

6 Halkyard CE, Rampey ME, Kloppenburg L, Studer-Martinez SL, Bunz UHF
Evidence of aggregate formation for 2,5-dialkylpoly(p- phenyleneethynylenes) in solution and thin films

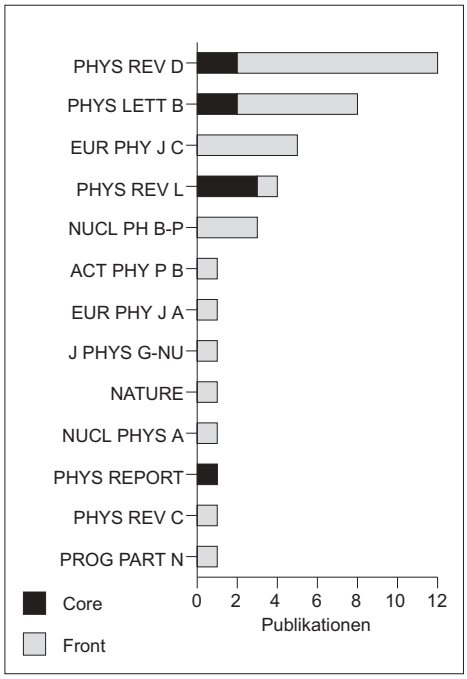
6 Palmans ARA, Smith P, Weder C
Polarizing energy transfer in photoluminescent conjugated polymers with covalently attached sensitizers

CH-Cluster 1733: Light-Quark Sea; Flavor Asymmetry; Nucleon; Nucleon Sea; Gottfried Sum

8 Kernpublikationen / 32 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

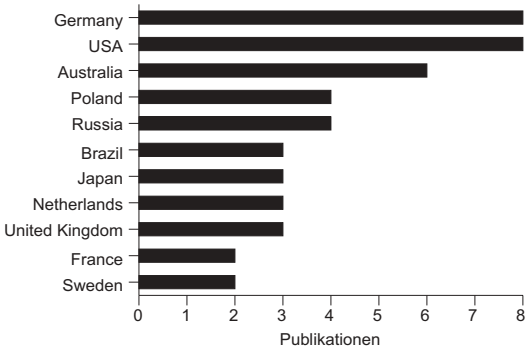


Akteure (Forschungsfront)

Institutionen

6 Univ Adelaide, Australia
3 H Niewodniczanski Inst Nucl Phys, Poland
2 Indiana Univ, USA
2 Max Planck Inst Kernphys, Germany
2 MIT, USA
2 NIKHEF H, Netherlands
2 Petersburg Nucl Phys Inst, Russia
2 Royal Inst Technol, Sweden
(und weitere 63 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

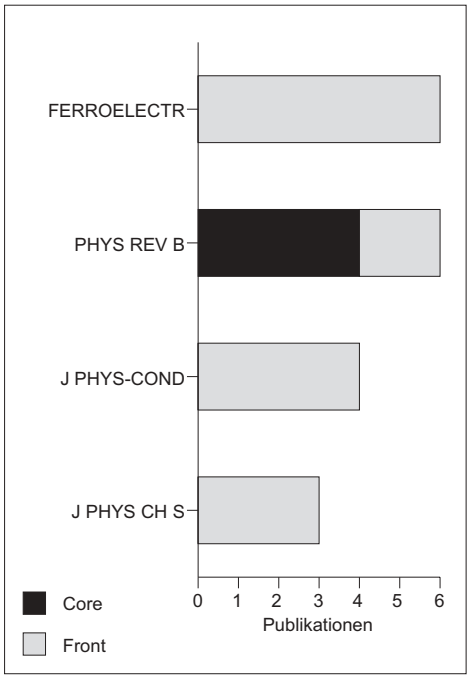
7 Trevisan LA, Frederico T, Tomio L
Strangeness content and structure function of the nucleon in a statistical quark model

CH-Cluster 1734: Ferroelectric Phase-Transition; Off-Center Ions; Ferroelectric Phase-Transitions; Off-Center Displacement; Nb Ions

9 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



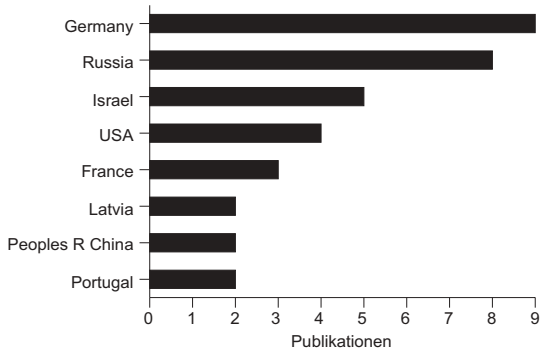
Akteure (Forschungsfront)

Institutionen

5 AF Ioffe Physicotech Inst, Russia
5 Hebrew Univ Jerusalem, Israel
4 Univ Osnabruck, Germany
3 Lehigh Univ, USA
3 Rostov State Univ, Russia
2 Latvian State Univ, Latvia
2 Shandong Univ, Peoples R China
2 Univ Duisburg Gesamthsch, Germany
2 Univ Minho, Portugal

(und weitere 20 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

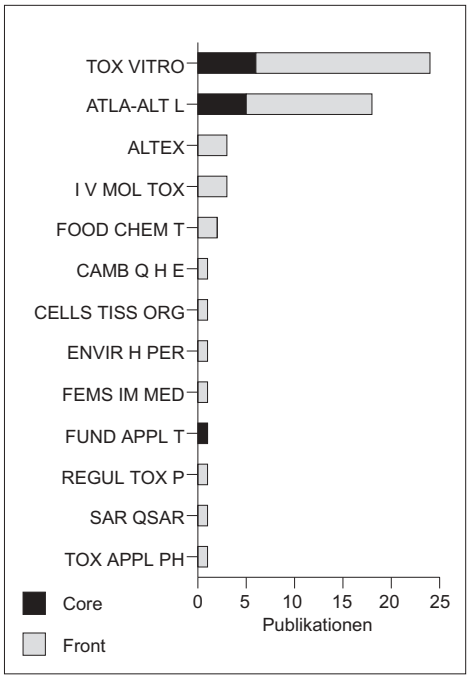
6 Vugmeister BE, Yacoby Y, Toulouse J, Rabitz H
Second-order central peak in the Raman spectra of disordered ferroelectrics
5 Pattnaik RK, Toulouse J
Dielectric relaxation and resonance in relaxor ferroelectric K1-xLixTaO3
4 Kleemann W, Wang YG, Lehnen P, Dec J
Phase transitions in doped quantum paraelectrics
4 Pattnaik RK, Toulouse J
Influence of orientational relaxation on the electrostrictive coupling in K1-xLixTaO3
4 Prosandeyev SA, Vikhnin VS, Kapphan S
Alignment of microscopic impurities in incipient ferroelectrics

CH-Cluster 1736: Alternatives; Evaluation; Draize Eye Irritation Test; In-Vitro Alternatives; Validation

14 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

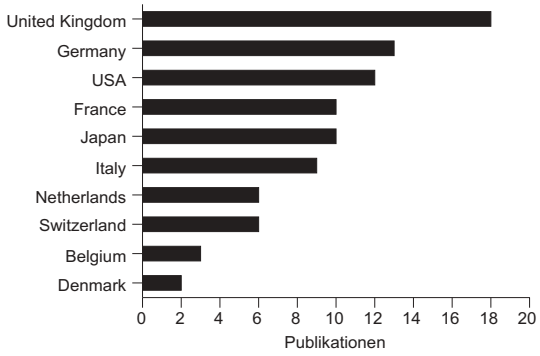


Akteure (Forschungsfront)

Institutionen

7 ECVAM, Italy
7 Natl Inst Hlth Sci, Japan
6 Nippon Menard Cosmet Co Ltd, Japan
6 Shiseido Safety & Analyt Res Ctr, Japan
5 Japan Cosmet Ind Assoc, Japan
5 Kao Corp, Japan
5 Kose Corp, Japan
4 Kanebo Ltd, Japan
4 Procter & Gamble Co, USA
4 Unilever Res Labs Vlaardingen, United Kingdom
4 Univ Nottingham, United Kingdom
4 ZEBET, Germany
(und weitere 120 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

10 Balls M, Berg N, Bruner LH, Curren RD, de Silva O, Earl LK, Esdaile DJ, Fentem JH, Liebsch M, ...
Eye irritation testing: The way forward - The report and recommendations of ECVAM Workshop 34

7 Lordo RA, Feder PI, Gettings SD
Comparing and evaluating alternative (in vitro) tests on their ability to predict the Draize maximum average score

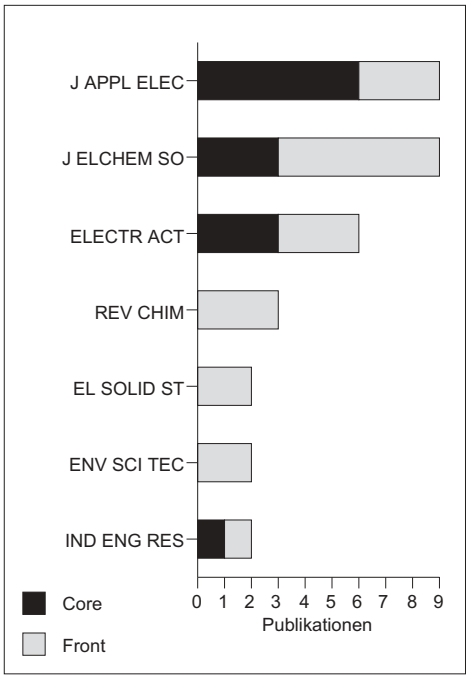
6 Balls M, Fentem JH
The validation and acceptance of alternatives to animal testing

CH-Cluster 1739: Waste-Water Treatment; Electrocatalysis; Anodic-Oxidation; Phenol; Electrochemical Oxidation

15 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

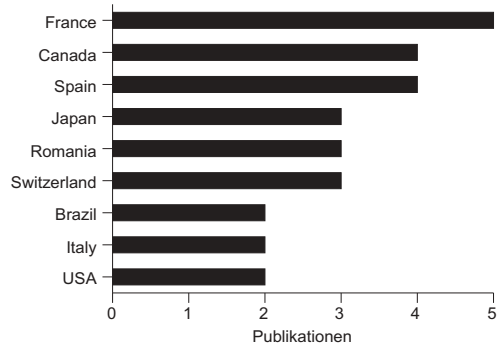


Akteure (Forschungsfront)

Institutionen

3 Univ Barcelona, Spain
3 Univ Guelph, Canada
2 Carburos Met SA, Spain
2 Ecole Polytech Fed Lausanne, Switzerland
2 Univ Babes Bolyai, Romania
2 Univ Paris 06, France
2 Univ Sao Paulo, Brazil
2 Univ Toulouse 3, France
(und 28 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Polcaro AM, Palmas S, Renoldi F, Mascia M
On the performance of Ti/SnO2 and Ti/PbO2 anodes in electrochemical degradation of 2-chlorophenol for wastewater treatment

6 Bock C, MacDougall B
The anodic oxidation of p-benzoquinone and maleic acid

6 Houk LL, Johnson SK, Feng J, Houk RS, Johnson DC
Electrochemical incineration of benzoquinone in aqueous media using a quaternary metal oxide electrode in the absence of a soluble supporting electrolyte

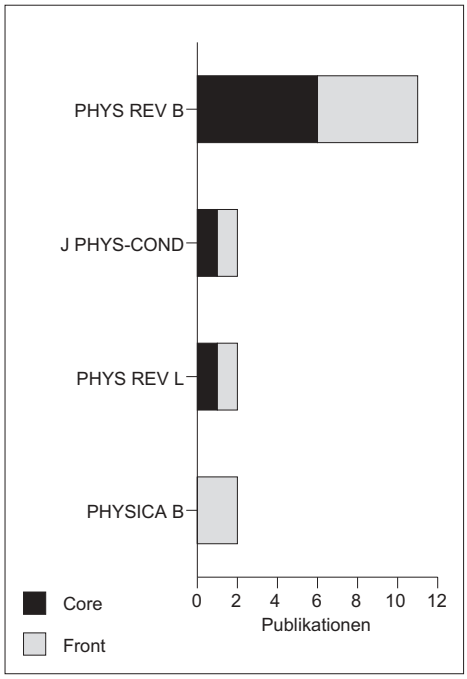
6 Jedral W, Merica SG, Bunce NJ
Electrochemical oxidation of chlorinated benzenes

CH-Cluster 1775: Neutron-Diffraction Study; Metal-Insulator-Transition; RNiO3 Perovskites (R Equals Rare-Earth); Perovskites RNiO3 (R=pr; Charge-Transfer Oxides RNiO3 (R = Pr,Nd,Nd0.7la0.3)

9 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

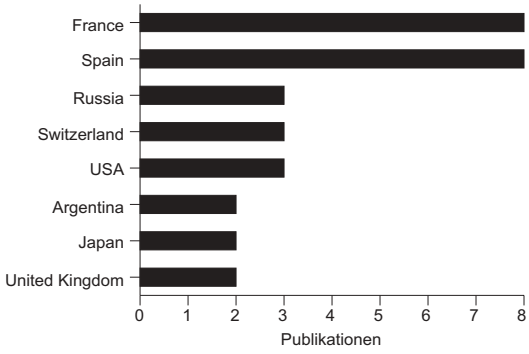


Akteure (Forschungsfront)

Institutionen

5 CSIC, Spain
5 Univ Maine, France
4 Inst Max Von Laue Paul Langevin, France
3 Univ Zaragoza, Spain
2 Argonne Natl Lab, USA
2 ETH Zurich, Switzerland
2 ISITEM, France
2 Paul Scherrer Inst, Switzerland
2 Univ Malaga, Spain
(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Rosenkranz S, Medarde M, Fauth F, Mesot J, Zolliker M, Furrer A, Staub U, Lacorre P, Osborn R, Eccleston RS, Trounov V
Crystalline electric field of the rare-earth nickelates RNiO3 (R = Pr, Nd, Sm, Eu, and Pr1-xLax, 0 <= x <= 0.7) determined by inelastic neutron scattering

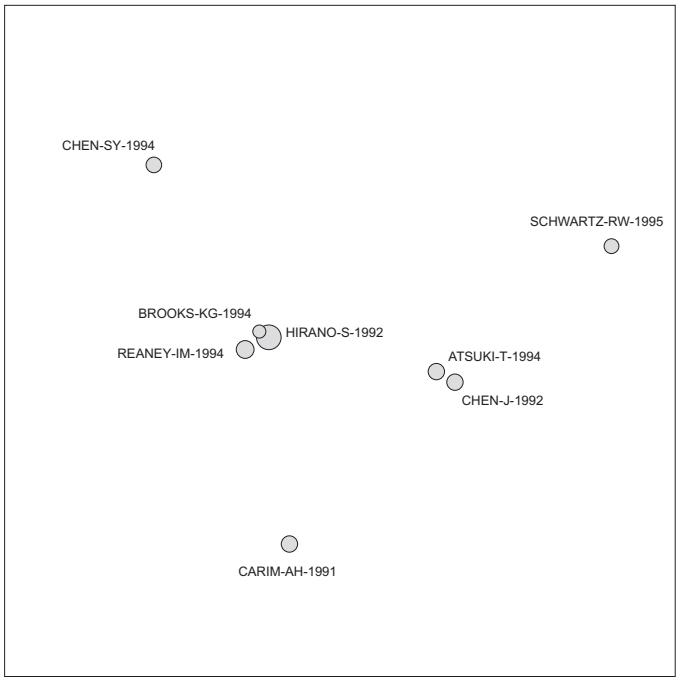
7 Alonso JA, Martinez-Lope MJ, Casais MT, Aranda MAG, Fernandez-Diaz MT
Metal-insulator transitions, structural and microstructural evolution of RNiO3 (R = Sm, Eu, Gd, Dy, Ho, Y) perovskites: Evidence for room-temperature charge disproportionation in monoclinic HoNiO3 and YNiO3

7 Alonso JA, Garcia-Munoz JL, Fernandez-Diaz MT, Aranda MAG, Martinez-Lope MJ, Casais MT
Charge disproportionation in RNiO3 perovskites: Simultaneous metal-insulator and structural transition in YniO3

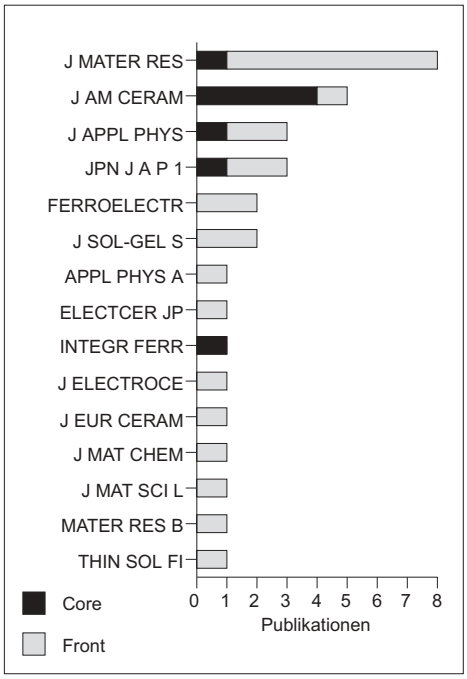
CH-Cluster 1807: Lead-Based Thin-Films; PZT Thin-Films; Sol-Gel Derived Lead Zirconate Titanate Thin-Films; Rapid Thermally Annealed Lead-Zirconate-Titanate Thin-Films; Solution-Processed Lead Zirconate Titanate (PZT) Thin-Films

8 Kernpublikationen / 24 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

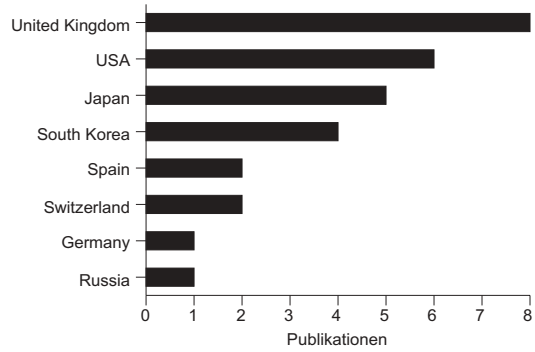


Akteure (Forschungsfront)

Institutionen

4 Cranfield Univ, United Kingdom
3 N Carolina State Univ, USA
3 Univ Leeds, United Kingdom
2 Argonne Natl Lab, USA
2 CSIC, Spain
2 Fujitsu Labs Ltd, Japan
(Und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Arscott S, Miles RE, Kennedy JD, Milne SJ
Rapid thermal processing of lead zirconate titanate thin films on Pt-GaAs substrates based on a novel 1,1,1- tris(hydroxymethyl)ethane sol-gel route

5 Arscott S, Miles RE, Milne SJ
Rapid thermal processing of PZT thin films using a new triol based sol-gel route

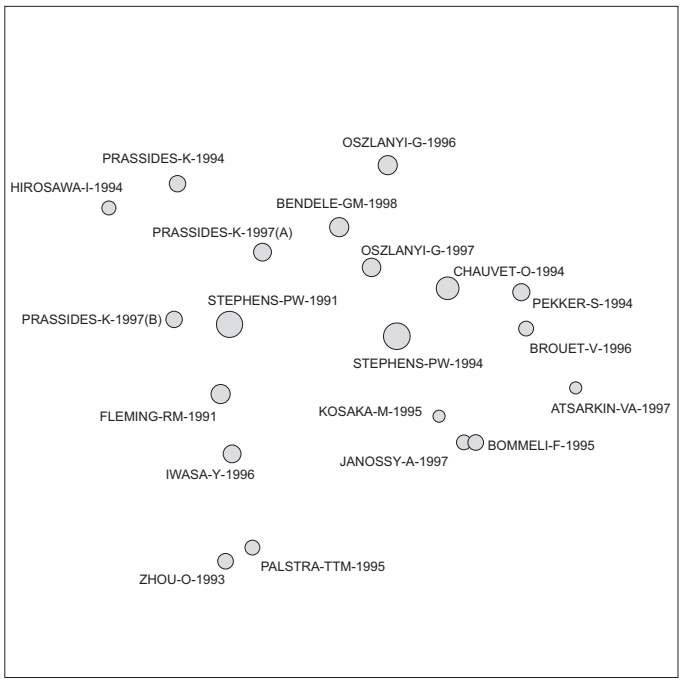
4 Alguero M, Calzada ML, Pardo L
Pyrochlore-to-perovskite transformation during rapid heating of sol-gel (Pb,La)TiO3 thin films

4 Norton JL, Liedl GL, Slamovich EB
Effect of oxygen partial pressure on texture development in lead zirconate titanate thin films processed from metalorganic precursors

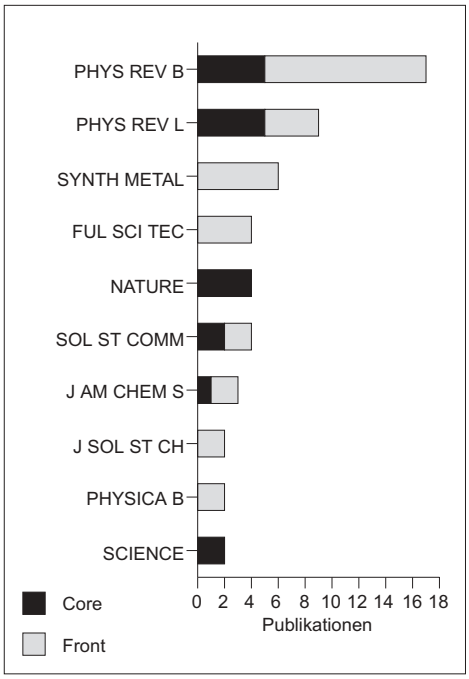
CH-Cluster 1808: Metal-Insulator-Transition; RbC60; Structure; Superconducting Na2CsC60 Fulleride; RbC60 Polymer Fulleride Studied

20 Kernpublikationen / 47 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

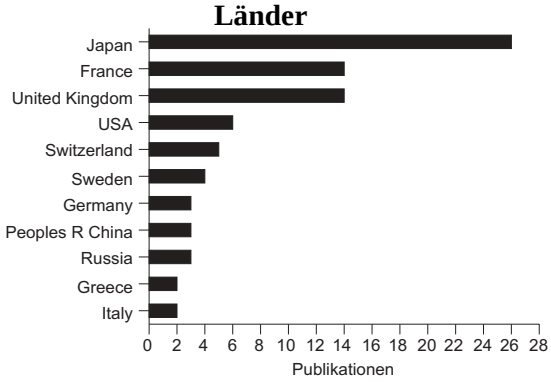


Akteure (Forschungsfront)

Institutionen

14 Univ Sussex, United Kingdom
10 Japan Adv Inst Sci & Technol, Japan
9 Osaka City Univ, Japan
7 Inst Max Von Laue Paul Langevin, France
6 NEC Corp Ltd, Japan
5 European Synchrotron Radiat Facil, France
4 Tokyo Metropolitan Univ, Japan
3 Ecole Polytech Fed Lausanne, Switzerland
3 Osaka Univ, Japan
3 Russian Acad Sci, Russia
3 Univ Paris Sud, France
(und 49 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Arcon D, Prassides K, Margadonna S, Maniero AL, Brunel LC, Tanigaki K
Electron spin resonance study of the polymeric phase of Na2RbC60

8 Lappas A, Brown CM, Kordatos K, Suard E, Tanigaki K, Prassides K
Neutron diffraction study of the polymeric structure of Na2RbC60

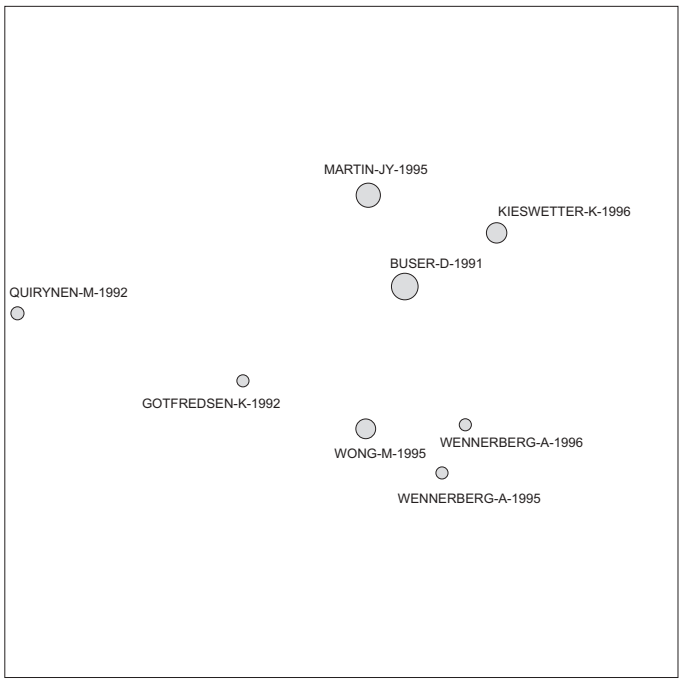
8 Margadonna S, Brown CM, Lappas A, Prassides K, Tanigaki K, Knudsen KD, Le Bihan T, Mezouar M
Pressure and temperature evolution of the structure of the superconducting Na2CsC60 fulleride

8 Saito T, Akita Y, Tokumoto M, Stephens PW, Tanaka K
Synthesis and characterization of liquid-phase prepared RbC60

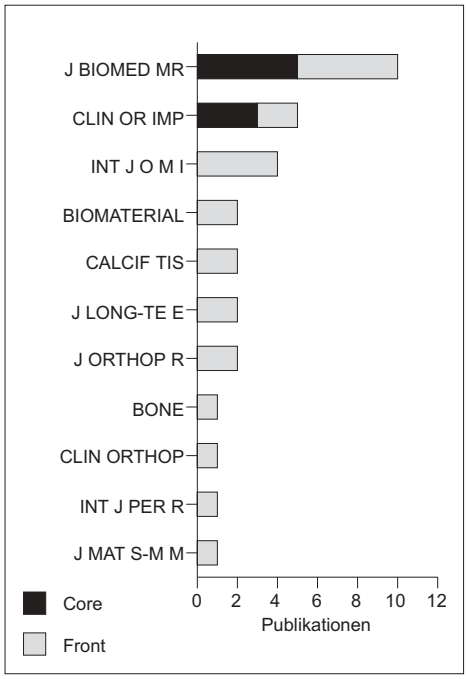
CH-Cluster 1811: Histomorphometric; Effect; Titanium Implants; Titanium Surface-Roughness; TiO2-blasted Titanium Implants

8 Kernpublikationen / 23 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

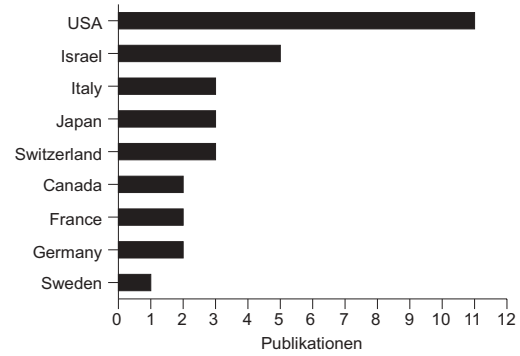


Akteure (Forschungsfront)

Institutionen

5 Univ Texas, USA
4 Hebrew Univ Jerusalem, Israel
3 Wilford Hall USAF Med Ctr, USA
2 Biomat Clin Res Assoc, Italy
2 Inst Straumann AG, Switzerland
2 Kyushu Dent Coll, Japan
2 SW Res Inst, USA
2 Univ Gottingen, Germany
(und weitere 33 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Buser D, Nydegger T, Oxland T, Cochran DL, Schenk RK, Hirt HP, Snetivy D, Nolte LP
Interface shear strength of titanium implants with a sandblasted and acid-etched surface: A biomechanical study in the maxilla of miniature pigs

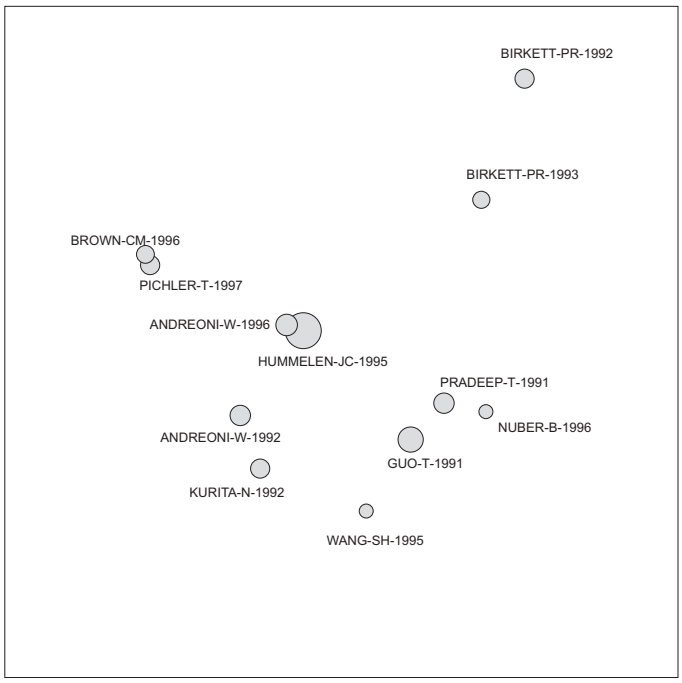
7 Trisi P, Rao W, Rebaudi A
A histometric comparison of smooth and rough titanium implants in human low-density jawbone

5 De Leonardis D, Garg AK, Pecora GE
Osseointegration of rough acid-etched titanium implants: 5-year follow-up of 100 minimatic implants

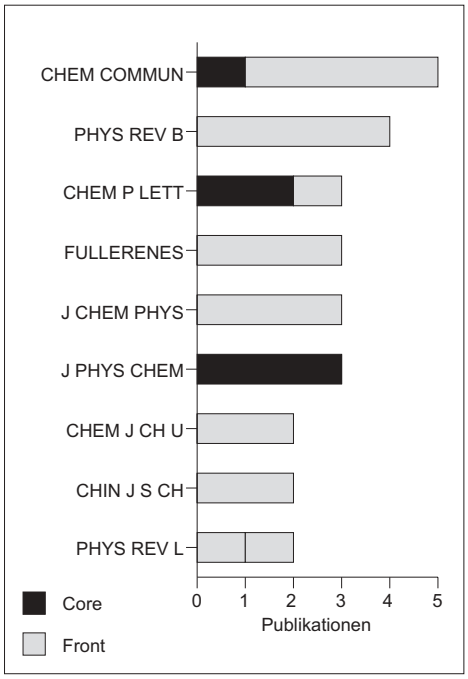
CH-Cluster 1815: Fullerenes; Experiment; Preparation; C59N; Nitrogen

12 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

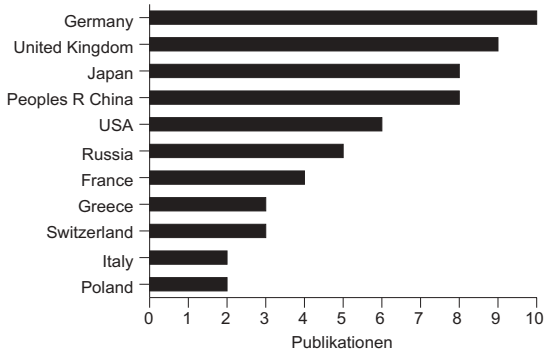


Akteure (Forschungsfront)

Institutionen

7 Jilin Univ, Peoples R China
7 Univ Sussex, United Kingdom
5 Russian Acad Sci, Russia
4 Nankai Univ, Peoples R China
4 Univ Calif Los Angeles, USA
3 Aristotelian Univ Salonika, Greece
3 Max Planck Inst Festkorperforsch, Germany
3 Univ Erlangen Nurnberg, Germany
3 Univ Nottingham, United Kingdom
(und weiter 45 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

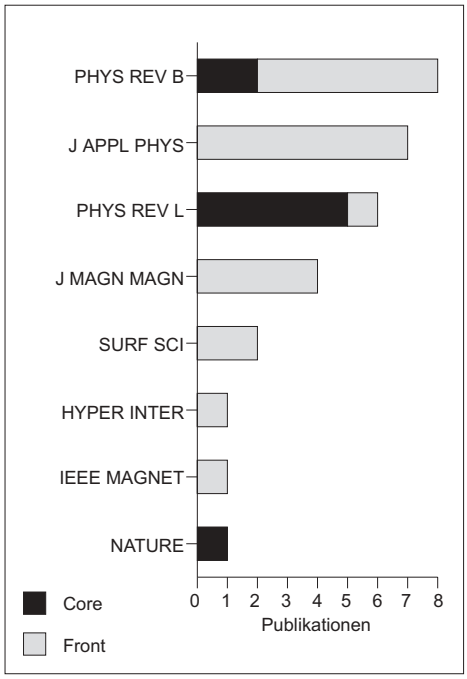
10 Hummelen JC, Bellavia-Lund C, Wudl F
Heterofullerenes
8 Chen ZF, Zhao XZ
Recent progress on the theoretical studies of heterofullerenes
8 Chen ZF, Ma KQ, Pan YM, Zhao XZ, Tang AC
Theoretical studies of heterofullerenes C68X2 (X = N, B)
7 Hirsch A, Nuber B
Nitrogen heterofullerenes
7 Pellarin M, Ray C, Lerme J, Vialle JL, Broyer M, Blase X, Keghelian P, Melinon P, Perez A
Photolysis experiments on SiC mixed clusters: From silicon carbide clusters to silicon-doped fullerenes

CH-Cluster 1824: Cobalt Films; Magnetic-Anisotropy; Fe Films Grown; Symmetry-Induced Magnetic-Anisotropy; Ultrathin CO Films

48 Kernpublikationen / 107 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

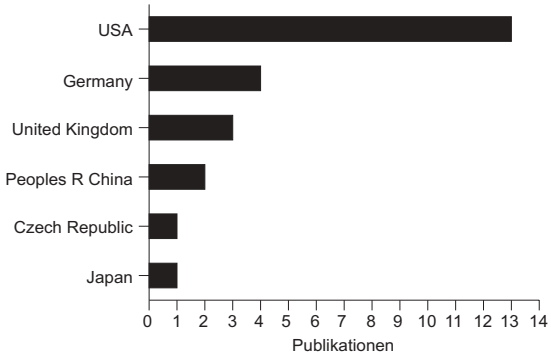


Akteure (Forschungsfront)

Institutionen

7 Univ Calif Berkeley, USA
5 Argonne Natl Lab, USA
2 Northwestern Univ, USA
2 Univ Cambridge, United Kingdom
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Choi HJ, Kawakami RK, Escorcia-Aparicio EJ, Qiu ZQ, Pearson J, Jiang JS, Li DQ, Bader SD
Curie temperature enhancement and induced Pd magnetic moments for ultrathin Fe films grown on stepped Pd(001)

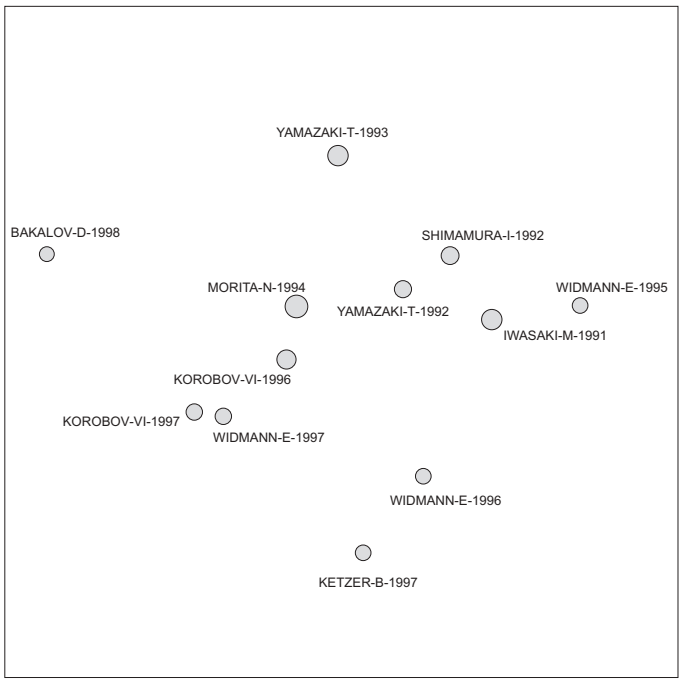
6 Kawakami RK, Bowen MO, Choi HJ, Escorcia-Aparicio EJ, Qiu ZQ
Step-induced magnetic anisotropy in Co stepped Cu(001) as a function of step density and Cu step decoration

6 Qiu ZQ, Bader SD
Symmetry breaking at magnetic surfaces and interfaces

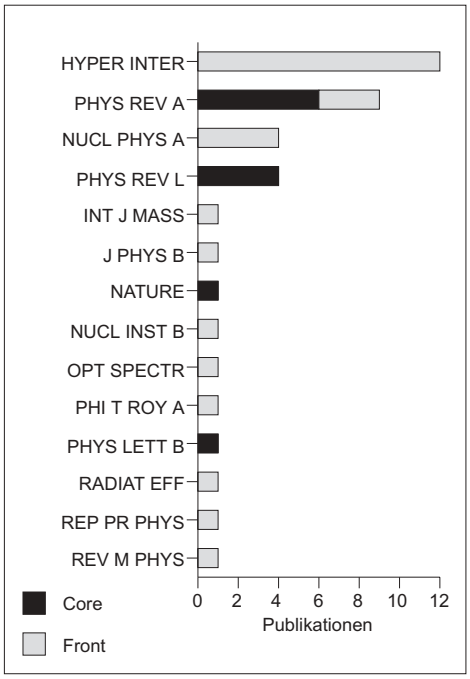
CH-Cluster 1832: Antiprotonic Helium-Atoms; Metastable Antiprotonic Helium-Atoms; Antiprotonic; Metastable States; Metastable Hadronic Helium-Atoms

12 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

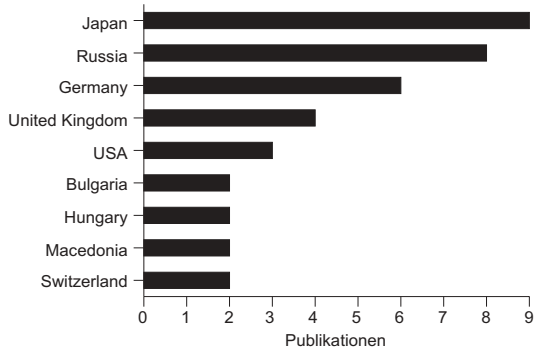


Akteure (Forschungsfront)

Institutionen

7 Univ Tokyo, Japan
6 Joint Inst Nucl Res, Russia
4 Tech Univ Munich, Germany
2 Bulgarian Acad Sci, Bulgaria
2 CERN, Switzerland
2 Macedonian Acad Sci & Arts, Macedonia
2 RIKEN, Japan
2 Univ Calif Los Alamos Natl Lab, USA
2 Univ Freiburg, Germany
2 Univ London Imperial Coll Sci Technol & Med, United Kingdom
(und weiter 15 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Torii HA, Hayano RS, Hori M, Ishikawa T, Morita N, Kumakura M, Sugai I, Yamazaki T, Ketzer B, ...
Laser measurements of the density shifts of resonance lines in antiprotonic helium atoms and stringent constraint on the antiproton charge and mass

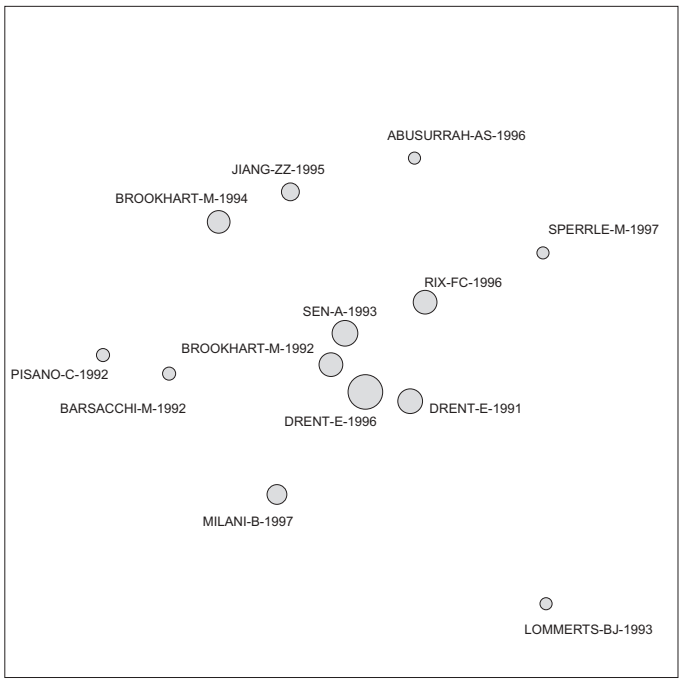
9 Torii HA
High-precision laser spectroscopy of antiprotonic helium atomcules and effects of collisions at high-density conditions

9 Torii HA
Latest news from PS205 - High-precision laser spectroscopy of antiprotonic helium atoms

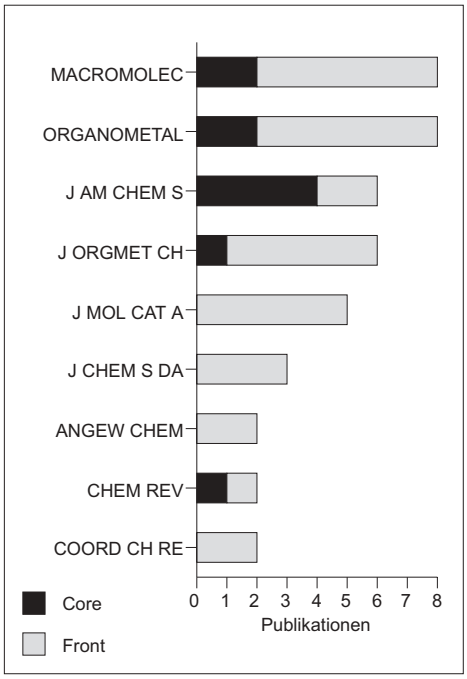
CH-Cluster 1851: Carbon-Monoxide; Olefins; Copolymerization; Metal-Catalyzed Alternating Copolymerization; Living Alternating Copolymerization

13 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

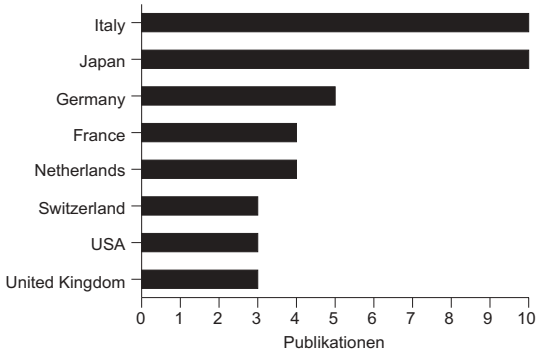


Akteure (Forschungsfront)

Institutionen

4 CNR, Italy
4 Kyoto Univ, Japan
3 Univ Amsterdam, Netherlands
3 ETH Zurich, Switzerland
2 Tottori Univ, Japan
2 Univ Strasbourg 1, France
2 Univ Trieste, Italy
2 Univ Ulm, Germany
2 Univ Utrecht, Netherlands
(und weitere 32 Institutionen)

Länder



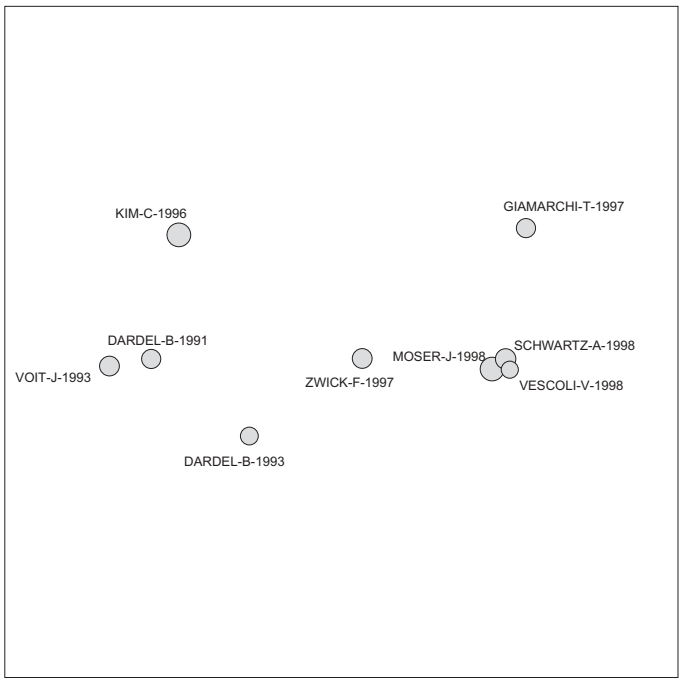
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Milani B, Mestroni G
Pd(II) complexes with bidentate nitrogen-donor chelating ligands: Very versatile and active catalyst precursors for the CO/olefin co- and terpolymerization reactions

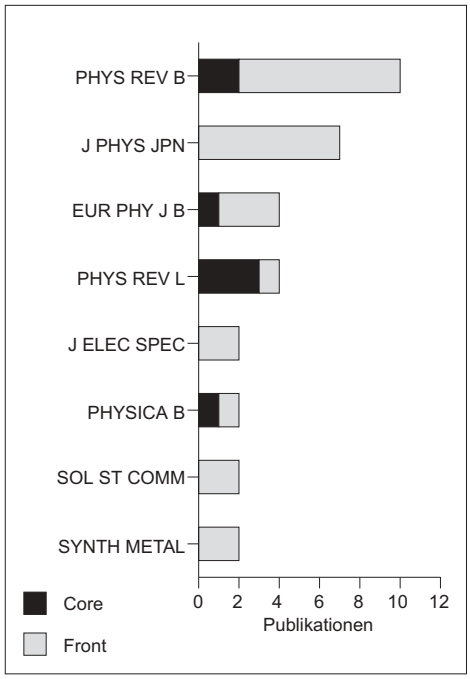
CH-Cluster 1862: Observation; Bechgaard Salts; Possible Observation; Quasi-One-Dimensional Bechgaard Salts; Photoemission Spectra

9 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

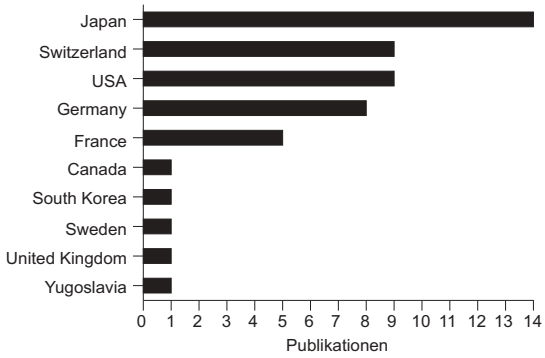


Akteure (Forschungsfront)

Institutionen

5 Ecole Polytech Fed Lausanne, Switzerland
5 Nagoya Univ, Japan
5 Univ Tokyo, Japan
4 ETH Zurich, Switzerland
3 Univ Calif Los Angeles, USA
2 Indiana Univ, USA
2 Osaka Univ, Japan
2 Tokyo Inst Technol, Japan
2 Univ Frankfurt, Germany
2 Univ Paris Sud, France
2 Univ Wisconsin, USA
(und weitere 34 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

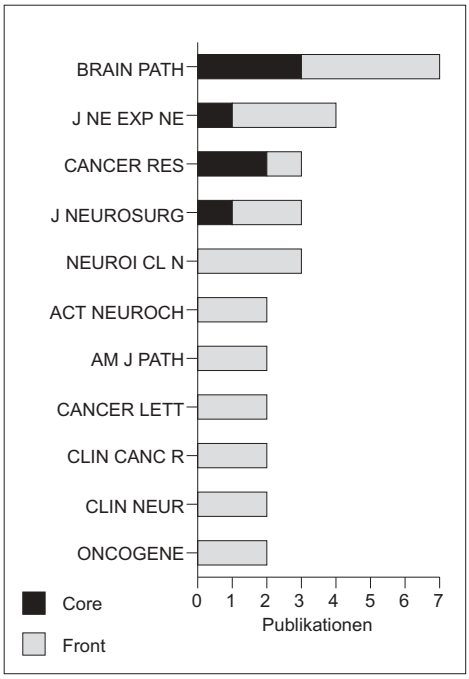
6 Grioni M, Vobornik I, Zwick F, Margaritondo G
High-resolution photoemission in low-dimensional conductors and superconductors
6 Zwick F, Grioni M, Margaritondo G, Vescoli V, Degiorgi L, Alavi B, Gruner G
The transition from a pseudogapped metal to an insulator: photoemission and optics of (TMTSF)(2)ReO4

CH-Cluster 1888: Evolution; P53 Gene; Alterations; Progression; Human Brain-tumors

9 Kernpublikationen / 60 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

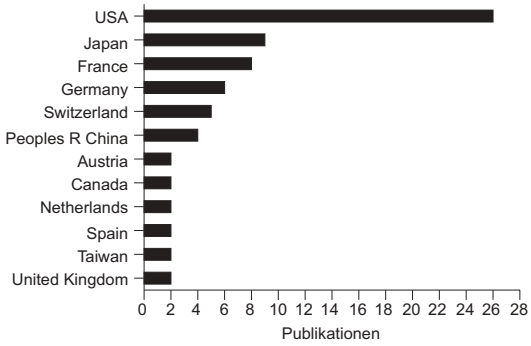


Akteure (Forschungsfront)

Institutionen

5 Mayo Clin & Mayo Fdn, USA
4 Int Agcy Res Canc, France
4 Univ Zurich Hosp, Switzerland
3 Chinese Univ Hong Kong, Peoples R China
3 NCI, USA
3 Univ Pittsburgh, USA
3 Univ Texas, USA
(und weitere 100 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

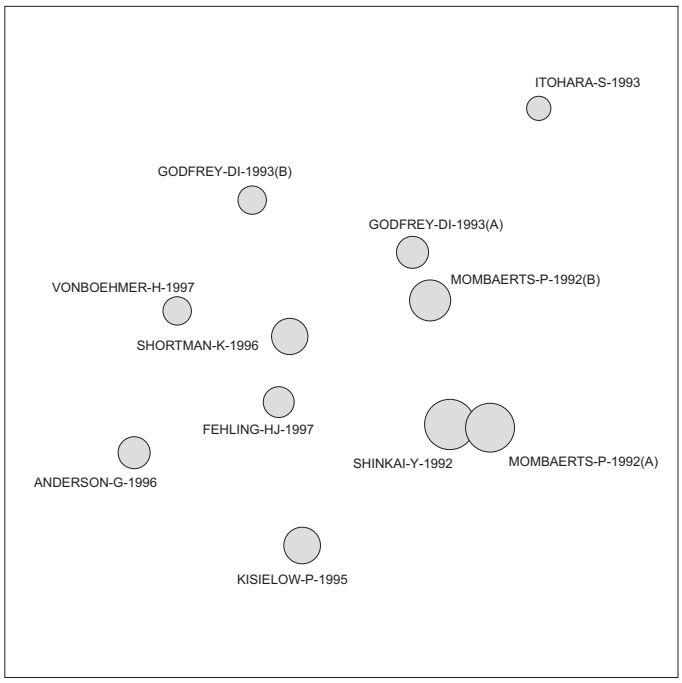
8 Uehara H, Kawano H, Kataoka H, Sameshima T, Moriyama T, Nakano S, Wakisaka S
Mutational analysis of human p53 gene in human gliomas by Cleavase (R) fragment length polymorphism

6 Maddalena AS, Hainfellner JA, Hegi ME, Glatzel M, Aguzzi A
No complementation between TP53 or RB-1 and v-src in astrocytomas of GFAP-v-src transgenic mice

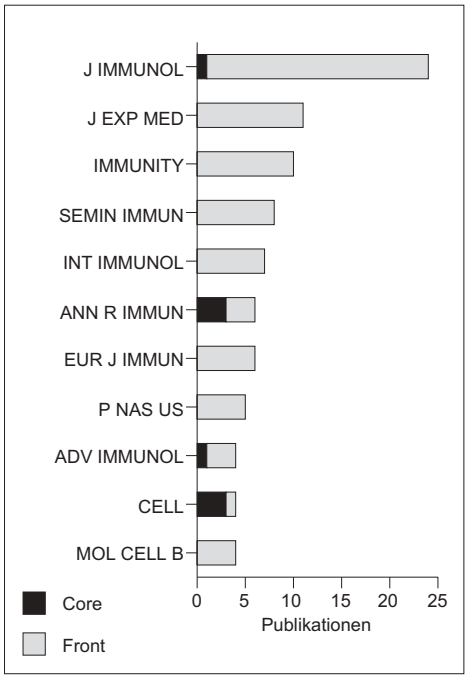
CH-Cluster 1903: Development; Early T-Cell Development; Thymocyte Development; Early Alpha-Beta-T-Cell Development; Beta-Block Thymocyte Development

11 Kernpublikationen / 122 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

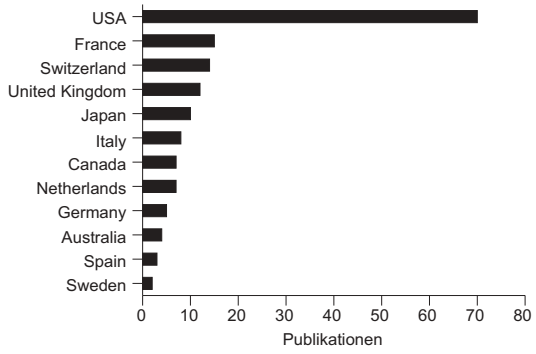


Akteure (Forschungsfront)

Institutionen

11 Univ Washington, USA
10 Harvard Univ, USA
8 Basel Inst Immunol, Switzerland
5 Childrens Hosp, USA
5 Fox Chase Canc Ctr, USA
5 Univ Birmingham, United Kingdom
5 Yale Univ, USA
4 CNRS, France
4 CNRS Marseille Luminy, France
4 Netherlands Canc Inst, Netherlands
4 Ontario Canc Inst, Canada
4 Univ Lausanne, Switzerland
4 Univ Toronto, Canada
(und weiter 132 Institutionen)

Länder



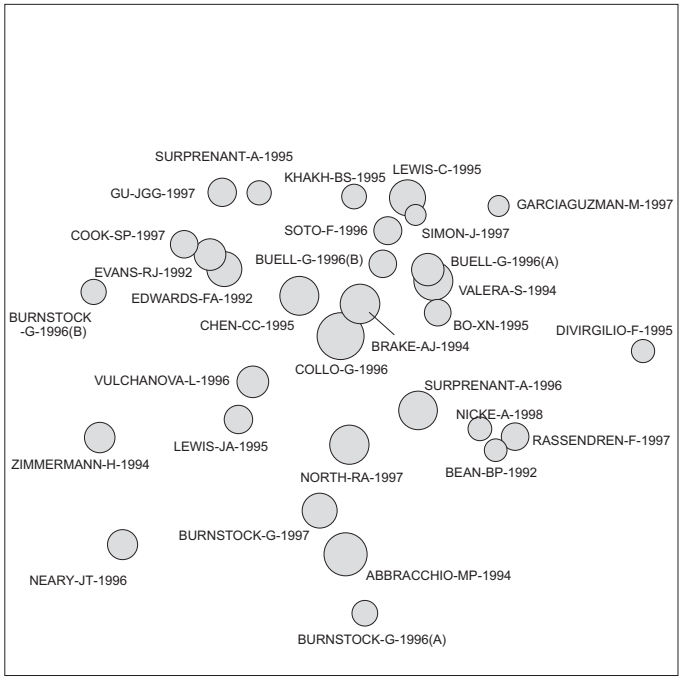
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Rodewald HR, Fehling HJ
Molecular and cellular events in early thymocyte development
8 Wang BP, Wang NH, Whitehurst CE, She J, Chen JZ, Terhorst C
T lymphocyte development in the absence of CD3 epsilon or CD3 gamma delta epsilon zeta
8 Wilson A, Capone M, MacDonald HR
Unexpectedly late expression of intracellular CD3 epsilon and TCR gamma delta proteins during adult thymus development

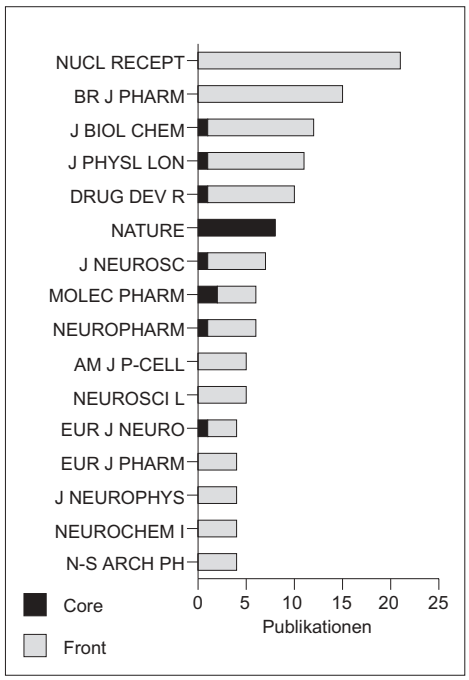
CH-Cluster 1904: Ligand-Gated Ion Channels; Sensory Neurons; Ionotropic ATP Receptor; P-2X Receptor; P2X Receptors

31 Kernpublikationen / 210 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

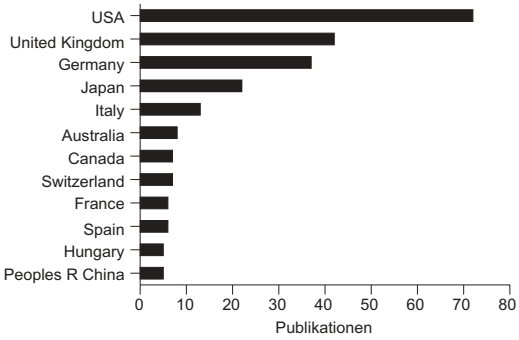


Akteure (Forschungsfront)

Institutionen

9 Royal Free Hosp, United Kingdom
8 Natl Inst Hlth Sci, Japan
8 Univ Coll London, United Kingdom
8 Univ Freiburg, Germany
7 Abbott Labs, USA
7 Univ Cambridge, United Kingdom
6 Univ Ferrara, Italy
6 Univ Sydney, Australia
(und 178 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

19 Kanjhan R, Housley GD, Burton LD, Christie DL, Kippenberger A, Thorne PR, Luo L, Ryan AF
Distribution of the P2X(2) receptor subunit of the ATP-gated ion channels in the rat central nervous system

15 Le KT, Boue-Grabot E, Archambault V, Seguela P
Functional and biochemical evidence for heteromeric ATP-gated channels composed of P2X(1) and P2X(5) subunits

15 MacKenzie AB, Surprenant A, North RA
Functional and molecular diversity of purinergic ion channel receptors

15 Nicke A, Rettinger J, Buttner C, Eichele A, Lambrecht G, Schmalzing G
Evolving view of quaternary structures of ligand-gated ion channels

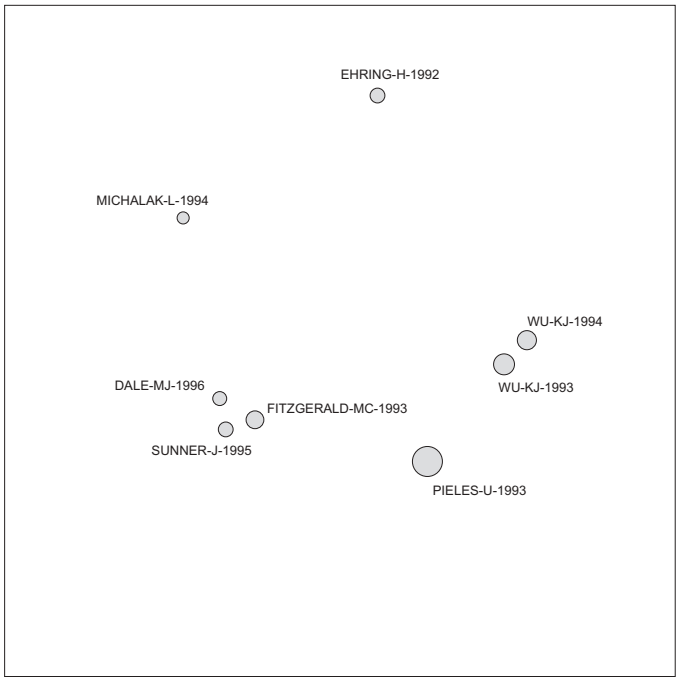
15 Taschenberger H, Juttner R, Grantyn R
Ca2+-permeable P2X receptor channels in cultured rat retinal ganglion cells

15 Virginio C, MacKenzie A, Rassendren FA, North RA, Surprenant A
Pore dilation of neuronal P2X receptor channels

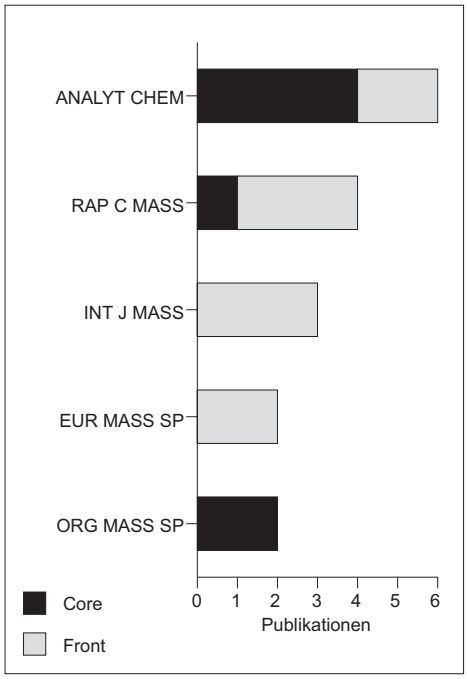
CH-Cluster 1928: Time-Of-Flight Mass-Spectrometry; Laser Desorption/Ionization Mass-Spectrometry; Matrix-Assisted Laser-Desorption Ionization Mass-Spectrometry; Matrix-Assisted Laser Desorption Time-Of-Flight Mass-Spectrometry; Matrix-Assisted Lase

8 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

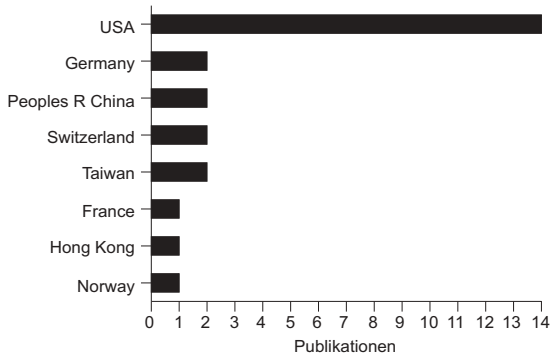


Akteure (Forschungsfront)

Institutionen

3 Louisiana State Univ, USA
2 Arizona State Univ, USA
2 ETH Zurich, Switzerland
2 Natl Sun Yat Sen Univ, Taiwan
2 Oak Ridge Natl Lab, USA
2 Univ Munster, Germany
2 Zhongshan Univ, Peoples R China
(und weitere 18 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

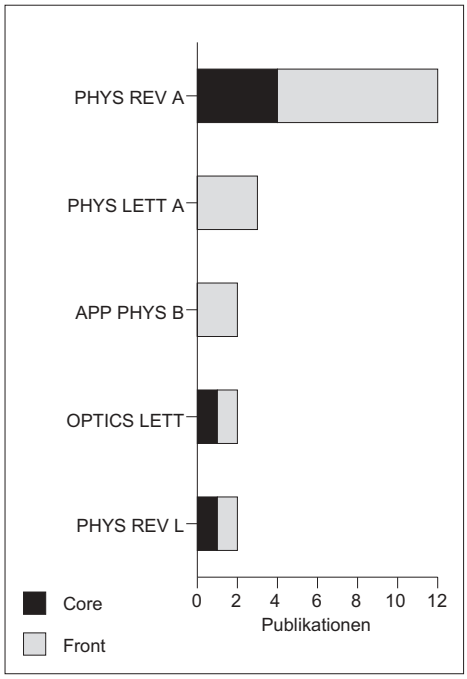
6 Zenobi R, Knochenmuss R
Ion formation in MALDI mass spectrometry
4 Huang JP, Wang LY, Chiang LY, Shiea J
Polyfunctional fullerene derivatives as UV-MALDI matrices to detect peptides and proteins
4 Williams TL, Fenselau C
p-nitroaniline/glycerol: a binary liquid matrix for matrix- assisted laser desorption/ionization analysis

CH-Cluster 1934: Quantum Cryptography; Quantum Cryptography Information Bound; Eavesdropping; Quantum Key Distribution; Quantum Cryptography Using Any 2 Nonorthogonal States

8 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

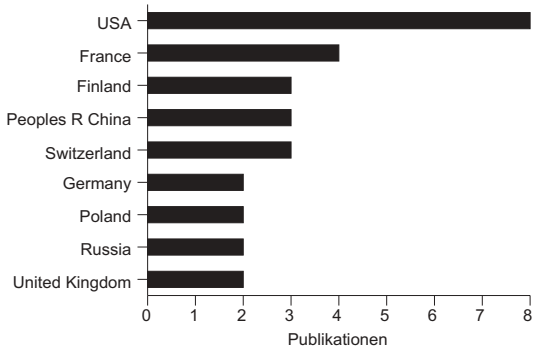


Akteure (Forschungsfront)

Institutionen

3 Georgia Tech Lorraine, France
3 Helsinki Inst Phys, Finland
3 USA, Res Lab, USA
2 SI Vavilov State Opt Inst, Russia
2 Univ Calif Los Alamos Natl Lab, USA
2 Univ Franche Comte, France
2 Univ Geneva, Switzerland
2 Univ Sci & Technol China, Peoples R China
(und weitere 25 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

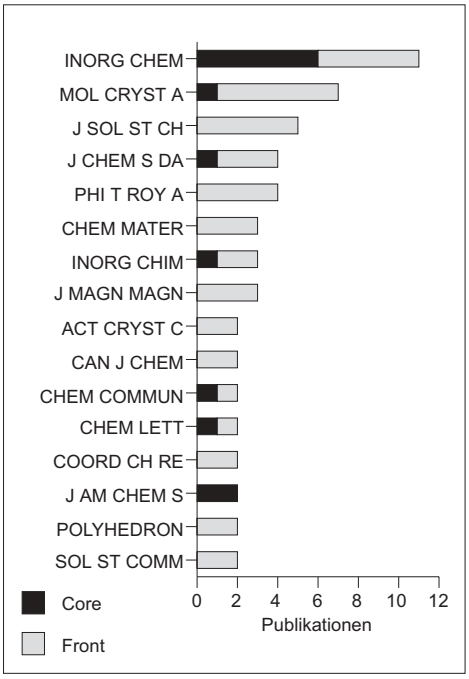
5 Brandt HE
Eavesdropping optimization for quantum cryptography using a positive operator-valued measure
5 Lutkenhaus N
Security of quantum cryptography with realistic sources

CH-Cluster 1969: Magnetic-Properties; Crystal-structure; Bimetallic Oxalate-bridged; Bimetallic 2-dimensional Oxalate-bridged Networks; Bimetallic Oxalate-bridged 2-dimensional Magnets

16 Kernpublikationen / 65 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

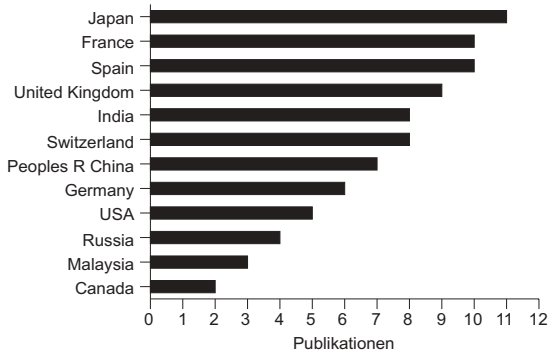


Akteure (Forschungsfront)

Institutionen

7 Royal Inst Great Britain, United Kingdom
7 Univ Bern, Switzerland
5 St Josephs Coll, India
5 Univ Valencia, Spain
4 Hahn Meitner Inst Kernforsch Berlin GmbH, Germany
4 Osaka Univ, Japan
4 Univ Zaragoza, Spain
3 Kyoto Univ, Japan
3 Nanjing Univ, Peoples R China
3 Natl Inst Biosci & Human Technol, Japan
3 Russian Acad Sci, Russia
(und 51 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

11 De Munno G, Armentano D, Julve M, Lloret F, Lescouezec R, Faus J
Two-dimensional assembling of (2,2 '- bipyrimidine)bis(oxalato)chromate(III) units through alkaline cations

11 Ovcharenko VI, Sagdeev RZ
Molecular ferromagnets

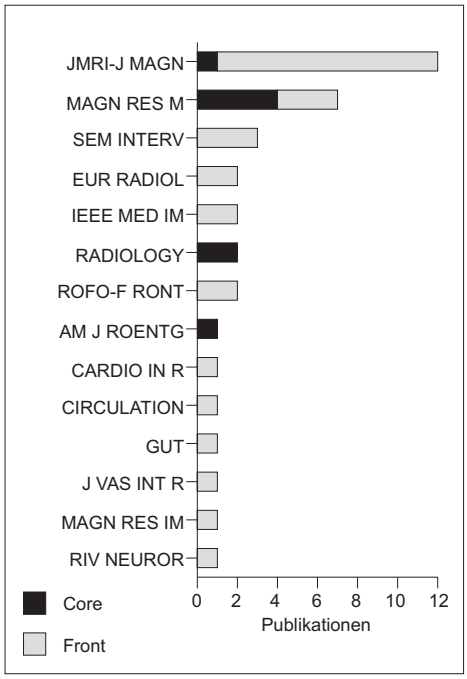
10 Zheng LM, Fang X, Lii KH, Song HH, Xin XQ, Fun HK, Chinnakali K, Razak IA
Syntheses, crystal structures and magnetic properties of two novel layered compounds: [Fe-3(C2O4)(3)(4,4 '-bpy)(4)] and [Co(C2O4)-(4,4 '-bpy)] (4,4 '-bpy=4,4 '-bipyridine)

CH-Cluster 2034: Intravascular Magnetic-Resonance-Imaging Using; MR-imaging; Visualization; Intravascular MR Tracking Catheter Preliminary Experimental Evaluation; Invasive Devices Using Magnetic-Resonance

8 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

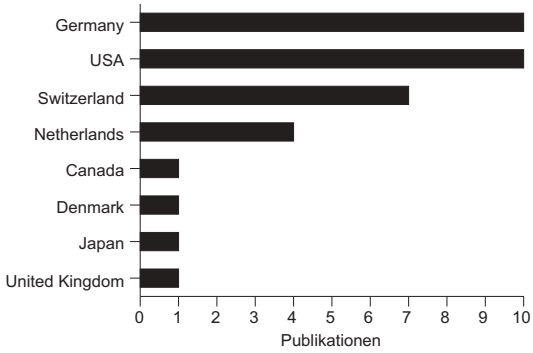


Akteure (Forschungsfront)

Institutionen

7 Univ Zurich Hosp, Switzerland
6 Aachen Tech Univ, Germany
3 Philips GmbH, Germany
3 Univ Utrecht Hosp, Netherlands
2 Brigham & Womens Hosp, USA
2 Case Western Reserve Univ, USA
2 Philips Med Syst, Netherlands
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Bakker CJ, Smits HF, Bos C, van der Weide R, Zuiderveld KJ, van Vaals JJ, Hurtak WF, Viergever MA, Mall WP
MR-guided balloon angioplasty: In vitro demonstration of the potential of MRI for guiding, monitoring, and evaluating endovascular interventions

6 Ladd ME, Debatin JF
Instrument visualization in a magnetic resonance imaging environment

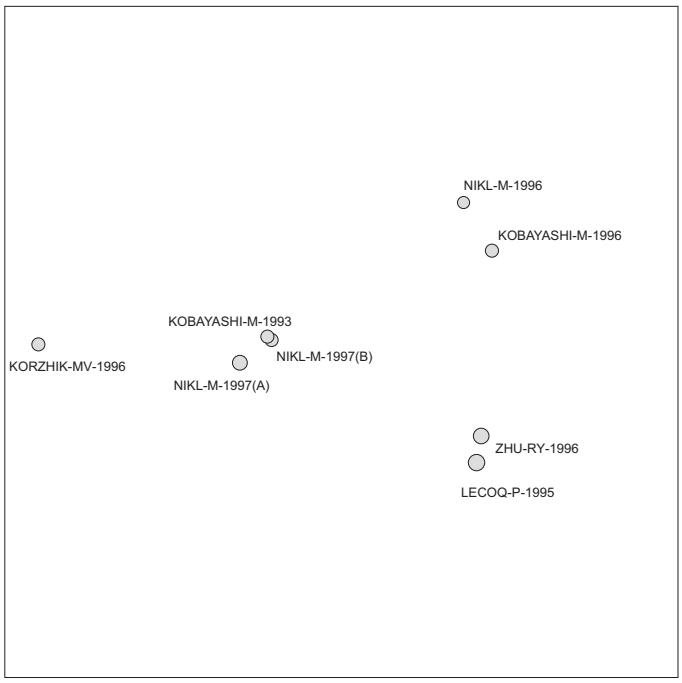
6 Smits HFM, Bos C, van der Weide R, Bakker CJG
Interventional MR: vascular applications

6 Wendt M, Busch M, Wetzler R, Zhang Q, Melzer A, Wacker F, Duerk JL, Lewin JS
Shifted rotated keyhole imaging and active tip-tracking for interventional procedure guidance

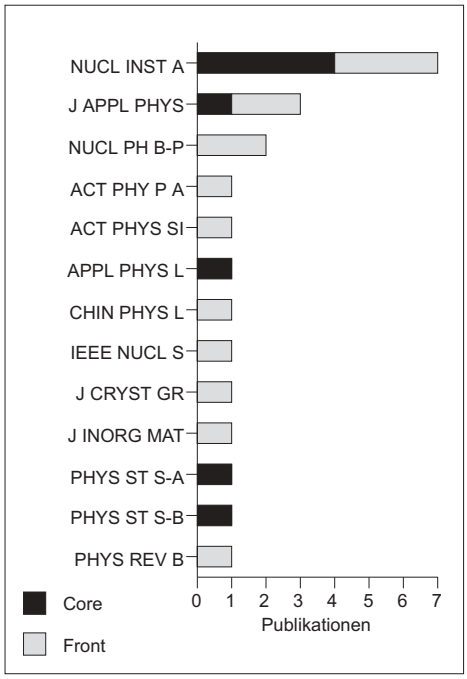
CH-Cluster 2083: PbWO4 Single-Crystals; Scintillation; PbWO4 Crystals; Scintillation Characteristics; Scintillation Decays

8 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

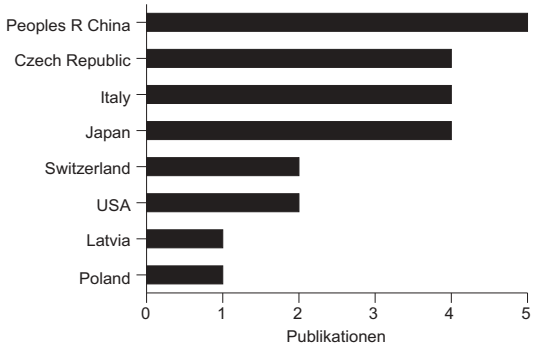


Akteure (Forschungsfront)

Institutionen

4 Chinese Acad Sci, Peoples R China
3 Acad Sci Czech Republ, Czech Republic
3 Ist Nazl Fis Nucl, Italy
2 CALTECH, USA
2 CERN, Switzerland
2 ENEA, Italy
2 Furukawa Co, Japan
2 KEK, Japan
2 Shonan Inst Technol, Japan
2 Univ Milan, Italy
2 Univ Rome La Sapienza, Italy
2 Univ Tsukuba, Japan
(und weitere 10 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

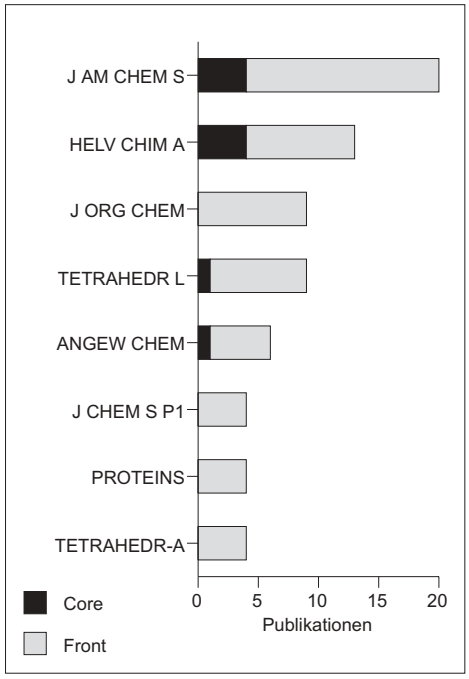
7 Deng Q, Yin ZW, Zhu RY
Radiation-induced color centers in La-doped PbWO4 crystals
7 Han BG, Feng XQ, Hu GQ, Zhang YX, Yin ZW
Annealing effects and radiation damage mechanisms of PbWO4 single crystals
6 Martini M, Meinardi F, Spinolo G, Vedda A, Nikl M, Usuki Y
Shallow traps in PbWO4 studied by wavelength-resolved thermally stimulated luminescence
5 Hofer H, Lecomte P, Nessi-Tedaldi F
Afterglow measurements of lead tungstate crystals

CH-Cluster 2137: Secondary Structure; Helical Secondary Structure; Novel Helical Secondary Structure; Helical Nmr-Solution Structure; Oligomers

19 Kernpublikationen / 94 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

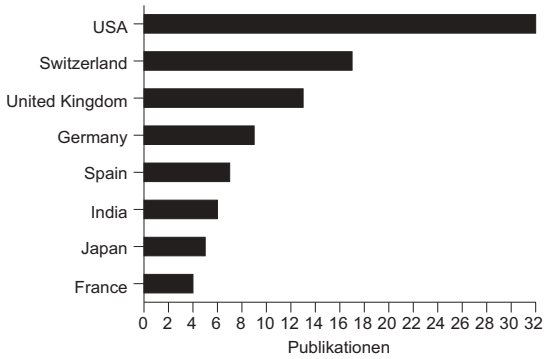


Akteure (Forschungsfront)

Institutionen

15 ETH Zentrum, Switzerland
5 Univ Oxford, United Kingdom
4 Adv Med Inc, USA
4 Glaxo Wellcome Res & Dev Ltd, United Kingdom
4 Oxford Ctr Mol Sci, United Kingdom
3 Univ Illinois, USA
3 Univ Penn, USA
3 Univ Wisconsin, USA
3 USN, USA
(und 91 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

13 DeGrado WF, Schneider JP, Hamuro Y
The twists and turns of beta-peptides

13 Gademann K, Hintermann T, Schreiber JV
beta-peptides: Twisting and turning

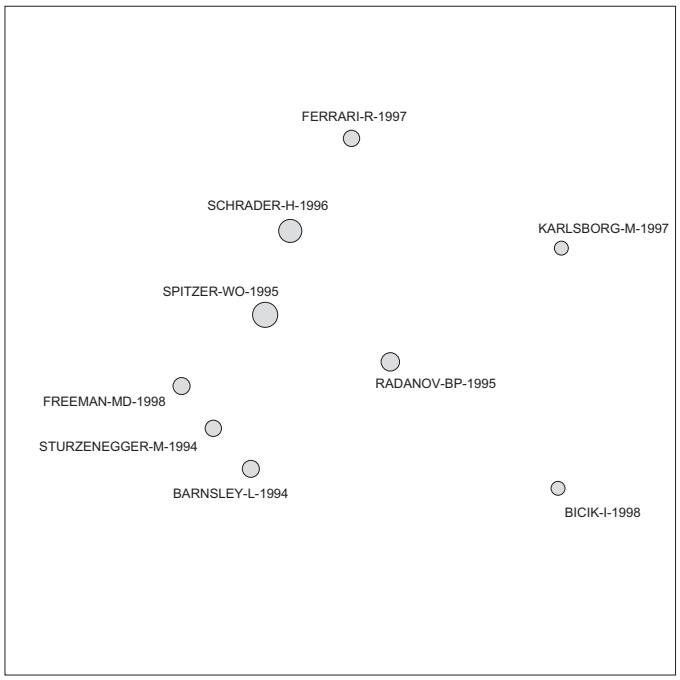
12 Appella DH, Christianson LA, Klein DA, Richards MR, Powell DR, Gellman SH
Synthesis and structural characterization of helix-forming beta-peptides: trans-2-aminocyclopentanecarboxylic acid oligomers

12 Wu YD, Wang DP, Chan KWK, Yang D
Theoretical study of peptides formed by aminoxy acids

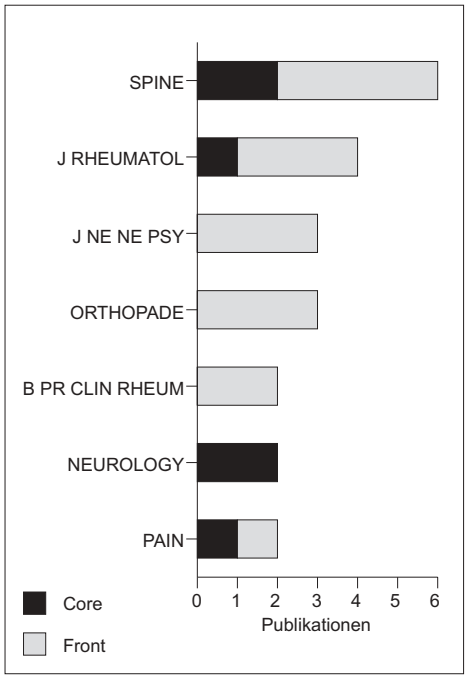
CH-Cluster 2158: Whiplash Injury; Late Whiplash Syndrome; Whiplash Associated Disorders Redefining Whiplash; Signs After Whiplash Injury; Late Whiplash Syndrome Outside

9 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

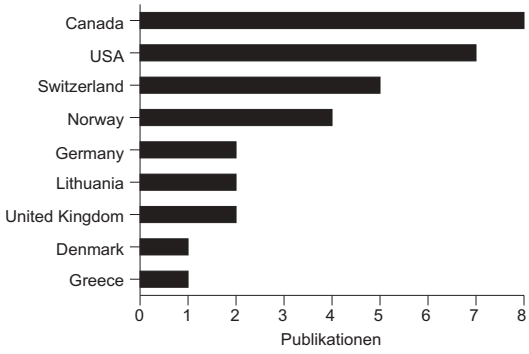


Akteure (Forschungsfront)

Institutionen

5 Univ Bern, Switzerland
3 Norwegian Univ Sci & Technol, Norway
3 Univ Alberta, Canada
2 Kaunas Med Acad, Lithuania
2 Ochsner Fdn Hosp, USA
2 Oregon Hlth Sci Univ, USA
2 Univ Trondheim Hosp, Norway
2 Univ Zurich Hosp, Switzerland
2 Wilhelm Schulthess Hosp, Switzerland
(und weitere 23 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront) sortiert nach Anzahl der Zitationen

6 Freeman MD, Croft AC, Rossignol AM, Weaver DS, Reiser M
A review and methodologic critique of the literature refuting whiplash syndrome

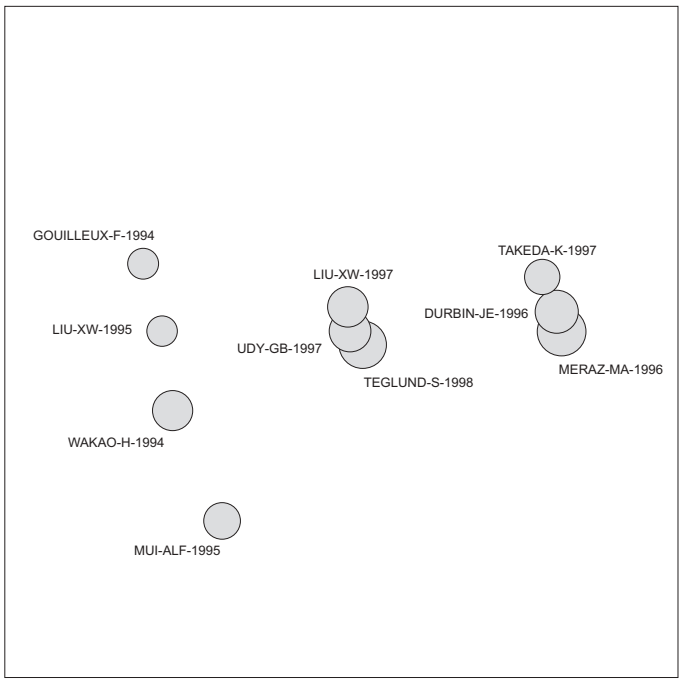
6 Schmid P
Whiplash-associated disorders

5 Obelieniene D, Schrader H, Bovim G, Miseviciene I, Sand T
Pain after whiplash: a prospective controlled inception cohort study

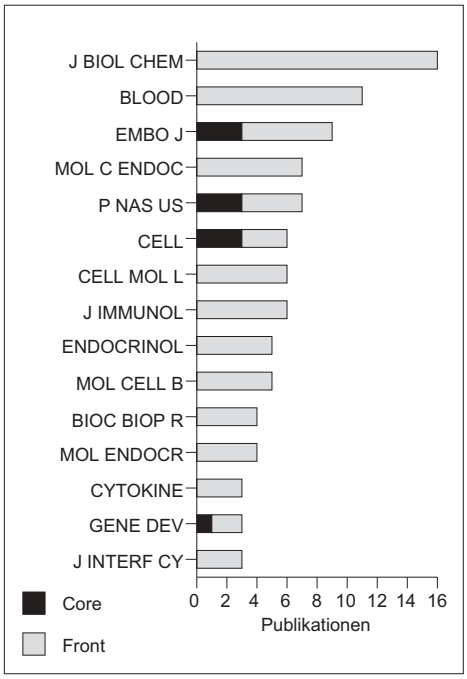
CH-Cluster 2163: Targeted Disruption; STAT5; Stat1 Gene; STAT5 (MGF); Mammary-Gland Factor (MGF) IS

10 Kernpublikationen / 152 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

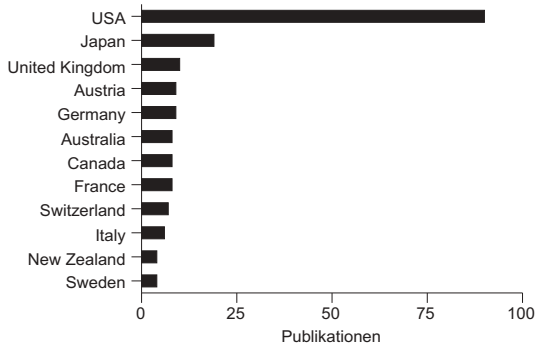


Akteure (Forschungsfront)

Institutionen

10 Univ Tokyo, Japan
8 Boston Univ, USA
8 Univ Texas, USA
6 Harvard Univ, USA
5 Baylor Coll Med, USA
5 NYU, USA
5 Osaka Univ, Japan
5 Washington Univ, USA
(und weitere 179 Institutionen)

Länder



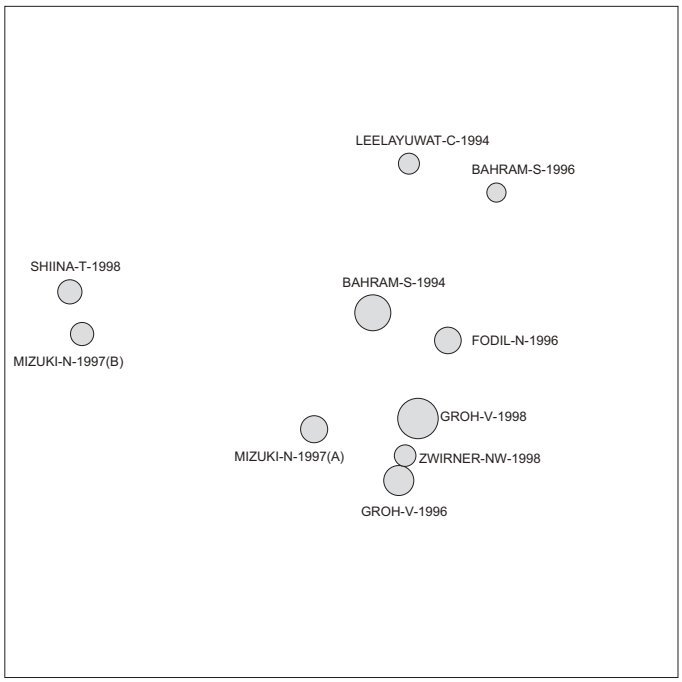
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Akira S
Functional roles of STAT family proteins: Lessons from knockout mice
8 Schindler C, Brutsaert S
Interferons as a paradigm for cytokine signal transduction

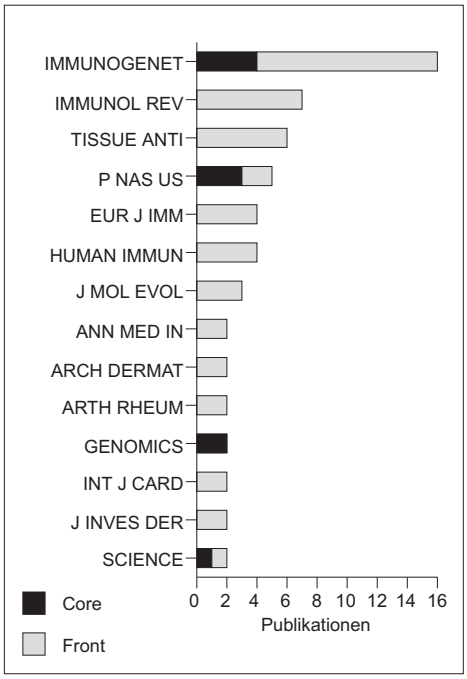
CH-Cluster 2175: Human MHC Class-I Mica Gene; Mica; Mica Gene; Mica Genes; Hla Class-I Region

10 Kernpublikationen / 68 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

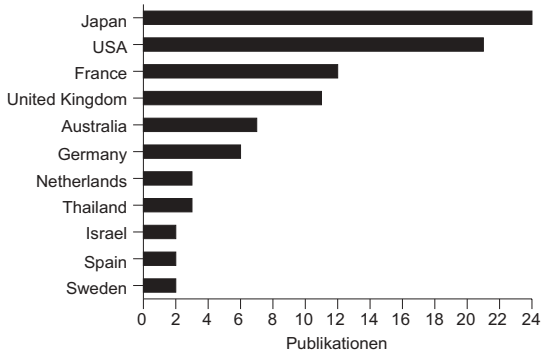


Akteure (Forschungsfront)

Institutionen

14 Tokai Univ, Japan
9 Natl Inst Genet, Japan
8 Shinshu Univ, Japan
7 Univ Western Australia, Australia
6 Ctr Rech Immunol & Hematol, France
6 Fred Hutchinson Canc Res Ctr, USA
6 Yokohama City Univ, Japan
4 John Radcliffe Hosp, United Kingdom
(und weitere 86 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Komatsu-Wakui M, Tokunaga K, Ishikawa Y, Kashiwase K, Moriyama S, Tsuchiya N, Ando H, Shiina T, Geraghty DE, Inoko H, Juji T
MIC-A polymorphism in Japanese and a MIC-A-MIC-B null haplotype

8 Dawkins R, Leelayuwat C, Gaudieri S, Tay G, Hui J, Cattley S, Martinez P, Kulski J
Genomics of the major histocompatibility complex: haplotypes, duplication, retroviruses and disease

8 Mendoza-Rincon J, Arguello JR, Perez-Rodriguez M, McWhinnie A, Marsh SGE, Fischer G, Madrigal JA
Characterization of the MICA polymorphism by sequence-specific oligonucleotide probing

8 Stephens HAF, Vaughan RW, Collins R, Kondeatis E, Theron J, Payne A
Towards a molecular phototyping system for allelic variants of MICA, encoded by polymorphisms in exons 2, 3 and 4 of MHC class I chain-related genes

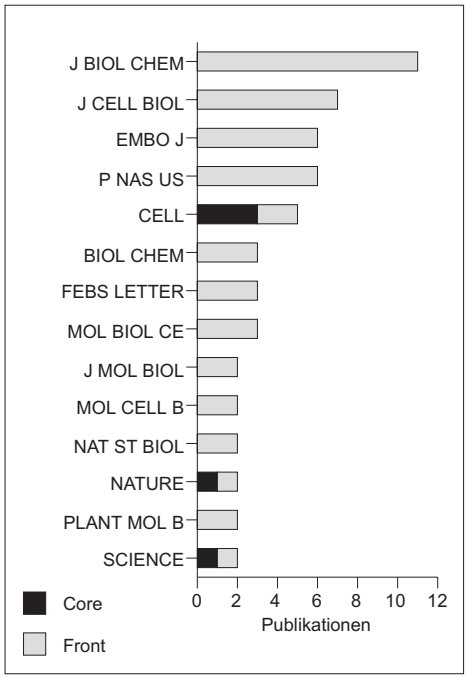
8 Yao Z, Volgger A, Helmberg W, Keller E, Fan LA, Chandanayingyong D, Albert ED
Definition of new alleles of MIC-A using sequencing-based typing

CH-Cluster 2212: Mitochondria; Preprotein Translocation Channel; Protein Import Into Mitochondria; Protein Translocation Across Membranes; Protein Translocation Tunnel Vision

8 Kernpublikationen / 70 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

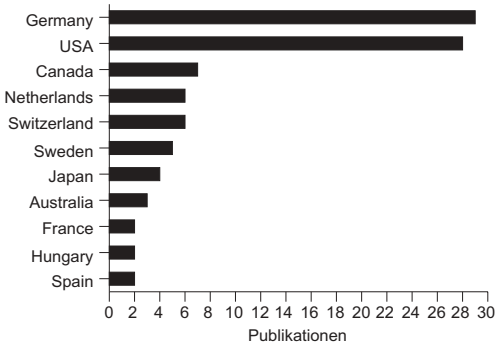


Akteure (Forschungsfront)

Institutionen

8 Univ Freiburg, Germany
7 Univ Munich, Germany
6 Univ Kiel, Germany
5 Univ Basel, Switzerland
5 Univ Marburg, Germany
4 McGill Univ, Canada
4 Univ Calif Los Angeles, USA
3 Northwestern Univ, USA
3 Univ Penn, USA
(und weitere 57 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Ahting U, Thun C, Hegerl R, Typke D, Nargang FE, Neupert W, Nussberger S
The TOM core complex: The general protein import pore of the outer membrane of mitochondria

5 Esaki M, Kanamori T, Nishikawa S, Endo T
Two distinct mechanisms drive protein translocation across the mitochondrial outer membrane in the late step of the cytochrome b(2) import pathway

5 Koehler CM, Merchant S, Schatz G
How membrane proteins travel across the mitochondrial intermembrane space

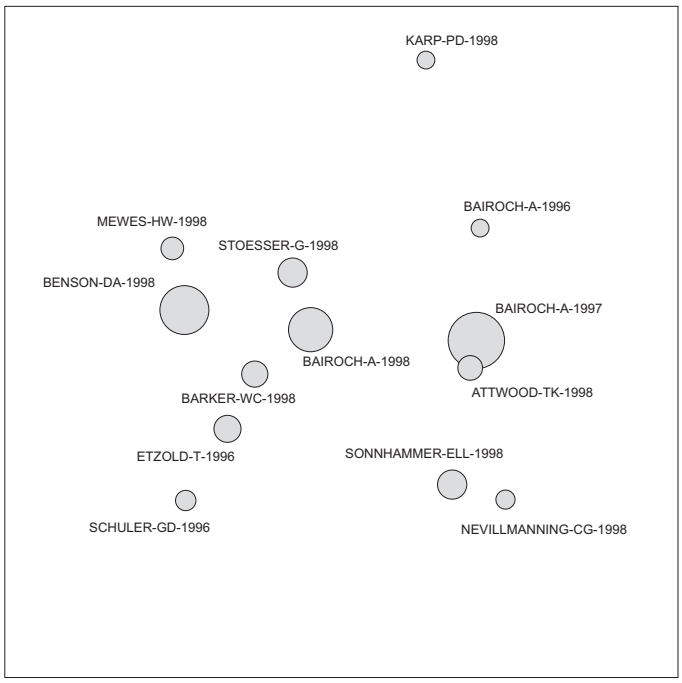
5 Rassow J, Dekker PJT, van Wilpe S, Meijer M, Soll J
The preprotein translocase of the mitochondrial inner membrane: Function and evolution

5 van Wilpe S, Ryan MT, Hill K, Maarse AC, Meisinger C, Brix J, Dekker PJT, Moczko M, Wagner R, Meijer M, Guiard B, Honlinger A, Pfanner N
Tom22 is a multifunctional organizer of the mitochondrial preprotein translocase

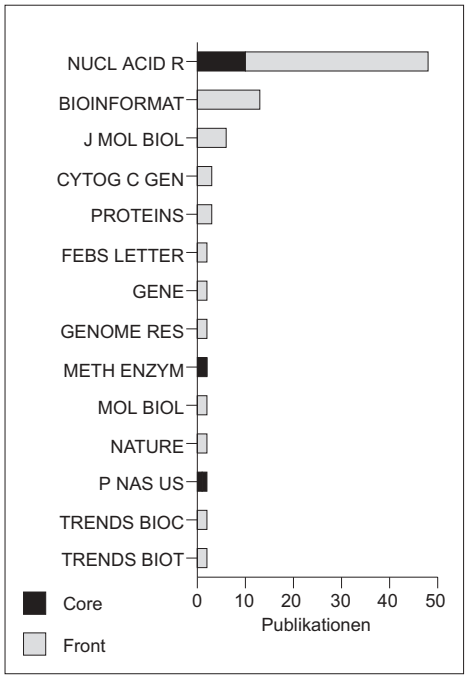
CH-Cluster 2294: Database; Pir-International Protein-Sequence Database; Entrez Molecular-Biology Database; Prints Protein Fingerprint Database; Prosite Database
ITS Status

13 Kernpublikationen / 99 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

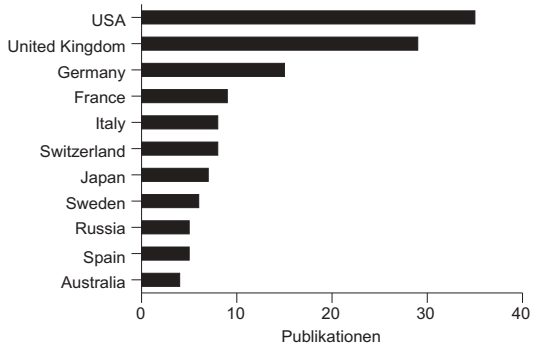


Akteure (Forschungsfront)

Institutionen

8 Stanford Univ, USA
7 European Bioinformat Inst, United Kingdom
7 Univ Geneva, Switzerland
6 Univ Bari, Italy
4 CNR, Italy
4 Karolinska Inst, Sweden
4 NIH, USA
(und weitere 113 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Attwood TK, Flower DR, Lewis AP, Mabey JE, Morgan SR, Scordis P, Selley JN, Wright W
PRINTS prepares for the new millennium

7 Rawlings ND, Barrett AJ
MEROPS: the peptidase database

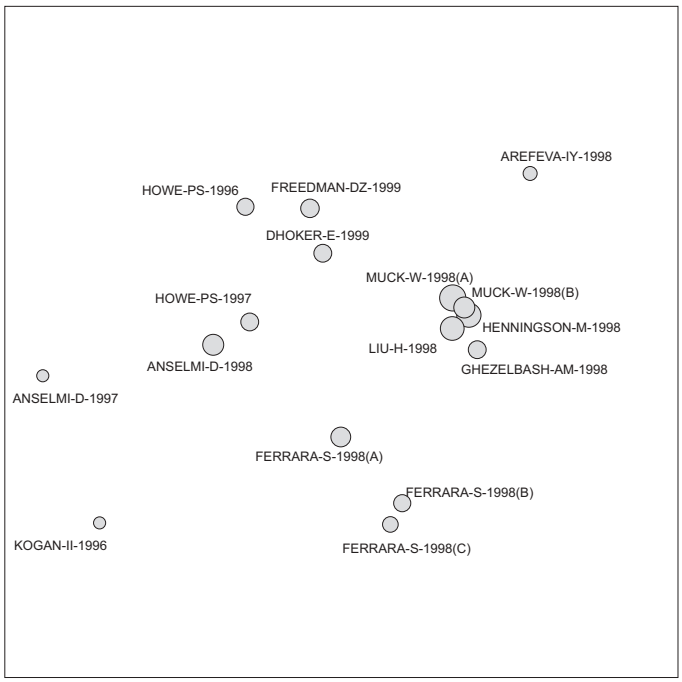
6 Bairoch A, Apweiler R
The SWISS-PROT protein sequence data bank and its supplement TrEMBL in 1999

6 Wu CH, Shivakumar S, Huang HZ
ProClass protein family database

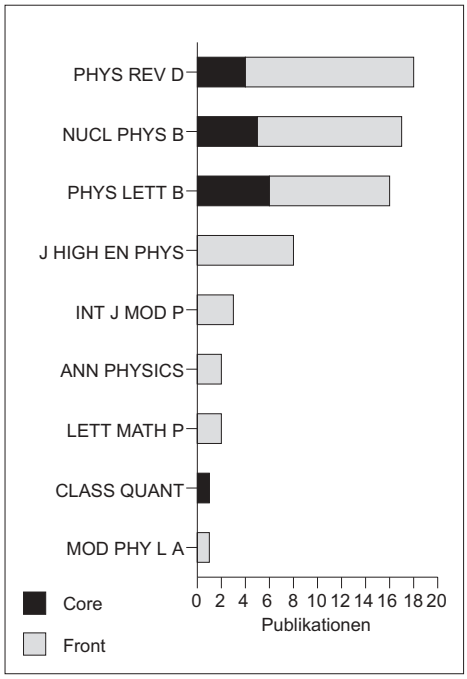
CH-Cluster 2305: ADS/CFT Correspondence; Conformal Field-Theory Correlators; Classical Field-Theory; Duality; D=4 Conformal Supergravity

16 Kernpublikationen / 52 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

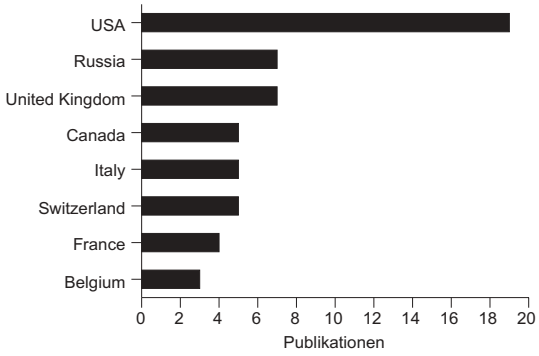


Akteure (Forschungsfront)

Institutionen

5 CERN, Switzerland
5 VA Steklov Math Inst, Russia
4 Univ Calif San Diego, USA
3 Katholieke Univ Leuven, Belgium
3 Simon Fraser Univ, Canada
(und 53 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 D'Hoker E, Freedman DZ, Skiba W
Field theory tests for correlators in the AdS-CFT correspondence - art. no. 045008
8 Dobrev VK
Intertwining operator realization of the AdS/CFT correspondence
7 Corley S
Massless gravitino and the AdS-CFT correspondence - art. no. 086003
7 Dorey N, Hollowood TJ, Khoze VV, Mattis MP, Vandoren S
Multi-instanton calculus and the AdS CFT correspondence in N=4 superconformal field theory
7 Liu H
Scattering in anti-de Sitter space and operator product expansion - art. no. 106005
7 Petkou A, Skenderis K
A non-renormalization theorem for conformal anomalies

5 Institutionenindex

Fettgedruckte Zahlen verweisen auf den Kern, normalgedruckte auf die Front des entsprechenden Clusters

Anhang: Autorenindex

Autorenindex

Fettgeduckte Zahlen verweisen auf den Kern, normalgedruckte auf die Front des entsprechenden Clusters.

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