Abschlussbericht

an den Schweizerischen Wissenschaftsrat
zum Forschungsprojekt

Bibliometrische Analyse hochdynamischer Forschungsfronten in der Klimaforschung und in den Neurowissenschaften

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Zusammenfassung

Im Kontext moderner Forschungspolitik gewinnt die Identifikation und analytische Bewertung derjenigen wissenschaftlichen Spezialgebiete zunehmend an Bedeutung, die sich durch eine hohe Kommunikationsdichte und Entwicklungsdynamik auszeichnen. Die vorliegende Studie identifiziert und dokumentiert solche hochdynamischen Spezialgebiete aus den Bereichen Klimaforschung und Neurowissenschaften. Es handelt sich um Detailanalysen spezieller, relativ kleiner Ausschnitte aus der grossen Bandbreite der Forschung in diesen Feldern. Für jedes dieser Spezialgebiete wurde eine Detaildokumentation erstellt, aus der die hochzitierten Publikationen und ihre Kozitationsbezüge zueinander, die relevanten Zeitschriften, die nationalen und institutionellen Akteure sowie die wichtigsten Publikationen der Forschungsfront hervorgehen. Die Ergebnisse zeigen, dass die Schweiz in erheblichem Umfang an diesen hochdynamischen Fronten aktiv ist. Eine unmittelbare Ableitung forschungspolitischer Konsequenzen aus den einzelnen Darstellungen ist allerdings nicht möglich. Die Validierung und Interpretation der Resultate bedarf des Sachverstandes von Experten der betroffenen Disziplinen; die in diesem Bericht vorgelegten Detaildokumentationen der hochdynamischen Spezialgebiete bieten einen guten Ansatzpunkt dafür.

Summary

Within the context of science policy, the identification and analysis of highly dynamic areas of research is becoming a more and more important task. This study presents insights into such highly dynamic specialities from two fields: climate research and neuroscience. The selected specialities cover only a few very small and specific areas from the large bandwidth of climate and neuroscience research. For each speciality a detailed documentation has been prepared, including a cocitation map of the higly cited documents, a journal profile, the most important actors on institutional and national level, and the most important publications from the research front. The results show a remarkable amount of activity of Switzerland in these highly dynamic specialities. However, political consequences can not be drawn from the data directly. Validation and interpretation has to be done by experts from the fields. Therefore, the detailed data of this report will be a good starting point.

Résumé

Au sein de la politique moderne de la recherche, on assiste à un regain d'importance de l'identification et de l'analyse des domaines scientifiques spécialisés caractérisés par une haute densité de communication ainsi que par une dynamique de développement. La présente étude identifie et documente de tels domaines spécialisés de la climatologie et des neurosciences. Il s'agit d'analyses de détail de secteurs restreints et spécialisés extraits d'une large palette de ces domaines de recherche. Pour chaque domaine spécialisé, on a effectué une documentation de détail mentionnant les publications et les cocitations, les revues de renom, les acteurs nationaux et institutionnels ainsi que les publications importantes du front de la recherche. Les résultats prouvent que la Suisse est très active dans ces domaines très dynamique de la recherche. Cependant, il n'est pas possible d'en tirer les conséquences pour la politique de la recherche. La validation et l'interprétation des résultats nécessitent l'avis d'experts en la matière. Toutefois, la documentation de détail fournie par ce rapport offre un bon point de départ.

1. Einleitung

Im Kontext moderner Forschungspolitik gewinnt die Identifikation und analytische Bewertung derjenigen wissenschaftlichen Spezialgebiete zunehmend an Bedeutung, die sich durch eine hohe Kommunikationsdichte und Entwicklungsdynamik auszeichnen. Mit Hilfe bibliometrischer Methoden können solche sich schnell entwickelnden „Forschungsfronten“ aus der immer unübersehbarer werdenden Breite der gesamten Forschungslandschaft nicht nur herausgefiltert, sondern auch mit einer Reihe von Detailinformationen genau beschrieben werden.

Für die vorliegende Studie wurde die bibliometrische Analyse hochdynamischer Spezialgebiete (**H**ighly **D**ynamic **S**pecialities: **HDS**) für zwei verschiedene Bereiche naturwissenschaftlicher Forschung in Angriff genommen: die Neurowissenschaften und die Klimaforschung. Es wurden bewusst zwei vom Publikationsvolumen her ganz unterschiedliche Bereiche gewählt, um die Eignung der Methoden in beiden Fällen testen zu können. Wenn ausschliesslich die in den international führenden Zeitschriften erscheinenden Publikationen berücksichtigt werden, geht es in den Neurowissenschaften grössenordnungsmässig um etwa 80.000 Veröffentlichungen pro Jahr, in der Klimaforschung sind es „nur“ einige Tausend. Trotz des unterschiedlichen Umfangs haben die beiden Gebiete einige Gemeinsamkeiten, die sie gerade für die bibliometrische Analyse interessant erscheinen lassen: zum einen ein starkes Wachstum des Wissens in den letzten Jahren, zum anderen ein hoher Grad an Interdisziplinarität. In beiden Feldern gruppieren sich Forschende aus vielen verschiedenen Ursprungsdisziplinen um einen gemeinsamen Untersuchungsgegenstand – das Nervensystem bzw. das Weltklima. In den Neurowissenschaften arbeiten Mediziner, Biologen, Biochemiker, Psychologen, Linguisten und andere zusammen, in der Klimaforschung sind es Meteorologen, Meeresforscher, Atmosphärenchemiker, Geophysiker, Simulationstheoretiker und andere. Gerade solche, sich jenseits der Grenzen klassischer Disziplinen entwickelnden Forschungsfelder eignen sich für den Einsatz bibliometrischer Verfahren, mit denen unabhängig von vorgängigen disziplinären Kategorien allein das Kommunikationsverhalten (Publizieren und Zitieren) der Forschenden ausgewertet wird – so wie es sich kontinuierlich in den weltweit wichtigsten Fachzeitschriften niederschlägt.

Dieser Bericht dokumentiert das Ergebnis der Suche nach den Spezialgebieten mit der höchsten Entwicklungsdynamik in den beiden genannten Bereichen. Die ausgewählten HDS sind in einem Überblick in den Tabellen 1 und 2 mit wichtigen Kenndaten aufgeführt. Ausgewiesen ist jeweils auch die absolute und prozentuale Beteiligung schweizerischer Forschungsinstitutionen an der

jeweiligen Forschungsfront. Im Anschluss an die beiden Übersichtstabellen sind die HDS auf je einer Seite im Detail dokumentiert.[1] Darüberhinaus sind im Anhang des Berichts die vollständigen Listen der involvierten Publikationen wiedergegeben, so dass bei Bedarf jede HDS bis auf die Ebene einzelner Veröffentlichungen inspiziert werden kann.

Hinsichtlich der Zielsetzung dieser Untersuchung muss betont werden, dass es hier *nicht* um eine Analyse der schweizerischen Klimaforschung bzw. Neuroforschung insgesamt geht - dazu wäre die gewählte Methode nicht geeignet und der Beobachtungszeitraum viel zu kurz bemessen. Es handelt sich vielmehr um Detailanalysen relativ kleiner, spezieller Ausschnitte dieser Gebiete. Die Ko-Zitationsanalyse zielt nicht auf eine umfassende Totalerhebung; ihre Stärke gegenüber konventionellen bibliometrischen Ansätzen liegt vielmehr darin, dass mit ihr eine Art von Sonde in das Wissenschaftssystem eingebracht werden kann, die von bestimmten Punkten sehr detaillierte „Bilder" der jeweiligen Forschungsfront liefert. Eine unmittelbare Ableitung forschungspolitischer Konsequenzen aus solchen Bildern ist nicht möglich, ihre Validierung und Interpretation bedarf immer auch des Sachverstandes von Experten des betroffenen Gebiets. Im vorliegenden Fall ist die Analyse auf wenige hochdynamische Forschungsfronten beschränkt – generelle Aussagen über den Status der Klimaforschung und der Neurowissenschaften in der Schweiz sind damit nicht impliziert. Ziel der Analyse war die Identifikation und Dokumentation derjenigen Spezialgebiete, in denen derzeit die höchste Entwicklungsdynamik zu verzeichnen ist.

2. Ko-Zitationsanalyse

Die HDS wurden auf der Basis des zum Recherchebeginn aktuellsten verfügbaren Zwölf-Monats-Zeitraums der jeweiligen Datenbank mit einer Ko-Zitationsclusteranalyse ermittelt. Für die Neurowissenschaften waren das die Monate November 1997 - Oktober 1998 des Neuroscience Citation Index (NSCI), für die Klimaforschung die Monate Oktober 1997 - September 1998 des Science Citation Index (SCI). Beide Datenbanken werden vom Institute for Scientific Information (ISI, Philadelphia) hergestellt und als CDROM vertrieben.

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,

[1] Für Unterstützung bei der Erstellung der Detaildokumentationen danken wir Michail Demidov.

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 hoch zitierte 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]

Für jeden Clusterkern kann eine Ko-Zitationskarte (cocitation map) erstellt werden, auf der die einzelnen Publikationen des Kerns wie auf einer Landkarte plaziert werden. Die Anordnung wird mittels multidimensionaler Skalierung (MDS) ermittelt, so dass die Relation aller Abstände möglichst gut der Gesamtheit der Ko-Zitationsrelationen zwischen den Publikationen entspricht. Die in der Kozitationsmatrix enthaltene ursprünglich vieldimensionale Information wird dabei auf zwei Dimensionen reduziert.[3] Die erwünschte Reduktion der Komplexität durch dieses Verfahren wird mit einem gewissen Informationsverlust erkauft: nicht immer lassen sich die multidimensionalen Kozitationsbezüge verzerrungsfrei in eine zweidimensionale Darstellung transformieren. Die Karten sind daher nicht als massstabsgetreue Abbildungen, sondern als Orientierungshilfen zu verstehen.

Selektionskriterium für die Auswahl der HDS unter allen Clustern ist der jeweilige Anteil an „jungen" Publikationen im Kern. 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

[2] Zur Methode der Ko-Zitationsanalyse vgl. Small, H. & Sweeney, E., Clustering the Science Citation Index using Co-citations. Part I. A Comparison of Methods. *Scientometrics*, 7, 1985, 391-409.
[3] Zur Methodik von Ko-Zitationskarten vgl. Small, H., Sweeney, E. & Greenlee, E., Clustering the Science Citation Index using Co-citations. Part II. Mapping Science. *Scientometrics*, 8, 1985, 321-340.

für die Entwicklungsdynamik oder „Schnelligkeit“ („immediacy“) der Forschungsfronten.[4] Aus Gründen der Signifikanz werden Cluster mit sehr kleinem Kern vor der Ermittlung der hochdynamischen Forschungsfronten zunächst ausgeschlossen. Für die Klimaforschung wurden die 42 schnellsten, für die Neurowissenschaften die 100 schnellsten HDS ausgewählt.

3. Ergebnisse

Die Ergebnisse werden für beide Gebiete in zwei Abschnitten dargestellt: zunächst wird eine Übersicht über alle nach dem oben dargestellten Verfahren ausgewählten HDS der Klimaforschung (42) und der Neurowissenschaften (100) mit den wichtigsten Kenndaten präsentiert. Im Anschluss daran folgen die Detaildokumentationen aller HDS auf je einer Seite, diese bilden den Kern dieses Berichts. Der Anhang schliesslich enthält für jede HDS ein vollständiges Verzeichnis aller Publikationen der jeweiligen Front und des Kerns.

In der Übersicht sind pro HDS jeweils folgende Kenndaten dokumentiert (Tabellen 1 und 2):

Nr.	HDS-Identifikationsnummer
Titel	Vorläufige HDS-Bezeichnung
K	Kerngrösse (Zahl der kozitierten Publikationen)
F	Frontgrösse (Zahl der kozitierenden Publikationen)
I	„Immediacy“ (Anteil „junger“ Publikationen am Kern in %)
A	Age (Durchschnittsalter [Jahre] der Publikationen im Kern)
CH	Schweizerische Publikationen an der Front (absolut)
CH%	Schweizerische Publikationen an der Front (in %)

Die HDS-Titel sind als vorläufige Bezeichnungen zu verstehen und dienen nur der groben Orientierung; mit ihnen ist keine exakte Abgrenzung des jeweiligen Themenbereichs möglich. Sie basieren auf einer Titelwortanalyse der mehrfach zitierenden Publikationen der Forschungsfront. Es handelt sich in der Regel um häufig vorkommende Begriffe oder Phrasen.

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

Die Detaildokumentationen der HDS 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): 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 der HDS (Front und Kern zusammengerechnet) erschienen sind. Die Anteile der Front und des Kerns sind durch entsprechende Schraffur kenntlich gemacht.

- **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.

Im Anhang des Berichts sind die vollständigen Listen der Publikationen (getrennt nach Front und Kern) pro HDS 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 HDS 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 HDS-Beteiligung der schweizerischen Institutionen.

Die mit der Ko-Zitationsanalyse generierten HDS liefern Abbildungen von eng begrenzten Ausschnitten der aktuellen Forschungslandschaft (fokussiert auf hochdynamische Teilbereiche), die allein auf der Auswertung der Ströme formaler Kommunikation (Publikationen und Zitationen) beruhen. 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.

Die bibliometrischen Ergebnisse sollten jedoch nicht als „objektive“ Abbildungen der Realität missverstanden werden, die ohne Hinzuziehung von Fachleuten der jeweiligen Disziplinen einfach zu interpretieren oder gar in Forschungspolitik zu übersetzen wären. Eine Validierung durch Experten bleibt unabdingdar; die HDS-Detaildokumentationen bieten hierfür einen guten Ansatzpunkt. In jedem Fall ist zu beachten, dass die Ergebnisse sich nur auf relativ kleine, spezielle Ausschnitte der Klimaforschung und der Neurowissenschaften beziehen – eine umfassende Analyse des Status der schweizerischen Forschung auf diesen Gebieten insgesamt lässt sich daraus nicht ableiten.

3.1 Klimaforschung

Für die Klimaforschung wurde ein thematischer Ausschnitt aus dem multidisziplinären SCI ausgewertet. Die Eingrenzung des Gebietes wurde in einem mehrstufigen Verfahren vorgenommen. Zunächst wurden aus der Gesamtmenge des SCI diejenigen Publikationen herausgefiltert,

a) deren Titel explizit klimaforschungsrelevante Wörter bzw. Phrasen (Liste 1) enthalten, oder
b) die in explizit klimaforschungsbezogenen Zeitschriften (Liste 2) veröffentlicht wurden, oder
c) die in einem erweiterten Kreis geowissenschaftlicher/meteorologischer Zeitschriften (Liste 3) veröffentlicht wurden und zugleich den Wortstamm „Climat“ im Titel enthalten.

Liste 1: Klimaforschungsrelevante Wörter, Wortkombinationen bzw. Phrasen

- ALBEDO and CLIMAT*
- ANTHROPO* and CLIMAT*
- ATMOSPHER* GENERAL CIRCULATION
- ATMOSPHERE OCEAN MODEL*
- CARBON DIOXIDE and CLIMAT*
- CCM1
- CCM2
- CHANG* CLIMAT*
- CIRCULATION ANOMALIES
- CLIMAT* ANOMALIES
- CLIMAT* CHANGE*
- CLIMAT* CYCLE*
- CLIMAT* DRIFT
- CLIMAT* EQUILIBRIUM
- CLIMAT* FORCING
- CLIMAT* FORECAST*
- CLIMAT* IMPACT*
- CLIMAT* IMPLICATION*
- CLIMAT* MODEL
- CLIMAT* MONITORING
- CLIMAT* OBSERV*
- CLIMAT* OSCILLATION
- CLIMAT* PREDICTION*
- CLIMAT* RESPONSE*
- CLIMAT* SIMULATION*
- CLIMAT* SYSTEM*
- CLIMAT* TREND*
- CLIMAT* VARIA*
- CLIMAT* WARMING
- CLIMATOLO*
- COUPLED ICE OCEAN MODEL*
- EL NINO
- ENHANCED GREENHOUSE
- ENSO
- GCM
- GCMS and CLIMAT*
- GENERAL CIRCULATION MODEL*
- GLOBAL CLIMAT*
- GLOBAL MEAN TEMPERATURE
- GLOBAL TEMPERATURE
- GLOBAL WARMING
- GREENHOUSE EFFECT
- GREENHOUSE GAS*
- GREENHOUSE WARMING
- LA NINA
- OCEAN ATMOSPHERE MODEL*
- OCEAN GENERAL CIRCULATION
- PALEOCLIMATIC
- RAINFALL ANOMALIES
- SOUTHERN OSCILLATION
- THERMOHALINE CIRCULATION*

Liste 2: Zeitschriftenset der Klimaforschung (voll berücksichtigt)

- CLIMATE DYNAMICS
- CLIMATIC CHANGE
- INTERNATIONAL JOURNAL OF CLIMATOLOGY
- JOURNAL OF CLIMATE
- THEORETICAL AND APPLIED CLIMATOLOGY

Liste 3: Erweitertes Zeitschriftenset
(nur berücksichtigt, soweit der Titel der jeweiligen Publikation zugleich CLIMAT* enthält)

- ANNALES GEOPHYSICAE ATMOSPHERES HYDROSPHERES AND SPACE SCIENCES
- ATMOSPHERIC ENVIRONMENT
- AUSTRALIAN METEOROLOGICAL MAGAZINE
- BULLETIN OF THE AMERICAN METEOROLOGICAL SOCIETY
- COMPTES RENDUS DE L ACADEMIE DES SCIENCES SERIE II-FASCICULE A SCIENCES DE LA TERRE ET DES PLANETES
- EARTH OBSERVATION AND REMOTE SENSING
- EARTH AND PLANETARY SCIENCE LETTERS
- ECOLOGICAL MODELLING
- ENVIRONMENTAL CONSERVATION
- GEOCHIMICA ET COSMOCHIMICA ACTA
- GEOLOGISCHE RUNDSCHAU
- GEOLOGY
- GEOMORPHOLOGY
- GEOPHYSICAL RESEARCH LETTERS
- GLOBAL AND PLANETARY CHANGE
- GLOBAL ENVIRONMENTAL CHANGE- HUMAN AND POLICY DIMENSIONS
- INTERNATIONAL JOURNAL OF REMOTE SENSING
- IZVESTIYA AKADEMII NAUK FIZIKA ATMOSFERY I OKEANA
- JOURNAL OF APPLIED METEOROLOGY
- JOURNAL OF ARID ENVIRONMENTS
- JOURNAL OF BIOGEOGRAPHY
- JOURNAL OF GEOLOGY
- JOURNAL OF GEOPHYSICAL RESEARCH-ATMOSPHERES
- JOURNAL OF GEOPHYSICAL RESEARCH-OCEANS
- JOURNAL OF HYDROLOGY
- JOURNAL OF MARINE SYSTEMS
- JOURNAL OF PHYSICAL OCEANOGRAPHY
- JOURNAL OF SEDIMENTARY RESEARCH
- JOURNAL OF THE ATMOSPHERIC SCIENCES
- LIMNOLOGY AND OCEANOGRAPHY
- MONTHLY WEATHER REVIEW
- NATURE
- OKEANOLOGIYA
- PALAEOGEOGRAPHY PALAEOCLIMATOLOGY PALAEOECOLOGY
- PALEOCEANOGRAPHY
- PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES- EARTH AND PLANETARY
- SCIENCES
- PROGRESS IN PHYSICAL GEOGRAPHY
- QUARTERLY JOURNAL OF THE ROYAL METEOROLOGICAL SOCIETY
- QUARTERNARY SCIENCE REVIEWS
- QUATERNARY RESEARCH
- SCIENCE
- SEDIMENTOLOGY
- SURVEYS IN GEOPHYSICS
- TELLUS SERIES A-DYNAMIC METEOROLOGY AND OCEANOGRAPHY
- TELLUS SERIES B-CHEMICAL AND PHYSICAL METEOROLOGY
- WATER AIR AND SOIL POLLUTION
- WATER RESOURCES RESEARCH

Im SCI (10/97 - 9/98) wurden mit dieser Gebietsdefinition der Klimaforschung 1.436 Publikationen identifiziert. Dieser Kernbestand wurde dann unter Rückgriff auf die darin hoch zitierten Arbeiten erweitert. Dazu wurden von den 32.803 *zitierten* Veröffentlichungen des Basis-Sets die 409 höchstzitierten (in diesem Fall: mehr als siebenmal zitierten) identifiziert. Anschliessend wurden alle diejenigen Publikationen aus dem SCI (10/97 - 9/98) ausgewählt und dem Basis-Set zugefügt, in deren Referenzlisten mindestens drei dieser 409 hochzitierten Arbeiten aufgeführt sind. Auf diesem Wege wurden mehrere Hundert zusätzliche relevante Arbeiten erfasst, die weder hinreichend spezifische Begriffe im Titel führen, noch aus einer der wenigen voll einschlägigen Zeitschriften der Klimaforschung stammen. Die dabei mögliche Ausweitung des Publikationen-Sets auf „Randbereiche“ der Klimaforschung ist durchaus erwünscht.

Dieses Verfahren wurde in iterativer Weise dreimal nacheinander durchgeführt, wobei jedesmal etwa 400-500 zusätzliche Veröffentlichungen eingebunden wurden. Das Resultat war schliesslich eine Gesamtmenge von 2.797 Publikationen der Klimaforschung im aktuellen Zeitsegment des SCI. Mit dieser Menge bzw. den in ihnen enthaltenen Referenzen wurde dann eine Ko-Zitationsanalyse nach dem oben beschriebenen Verfahren durchgeführt. Die Auswertung der Referenzen ergab, dass 4.896 der insgesamt 67.899 zitierten Arbeiten in dem genannten Zeitraum viermal oder häufiger zitiert wurden. Diese hochzitierten Publikationen wurden einer Clusteranalyse unterzogen. Im Ergebnis entstanden 502 Cluster mit insgesamt 3.270 hoch zitierten und stark ko-zitierten Publikationen in den Kernen.

Zur Ermittlung der hochdynamischen Forschungsfronten wurden diejenigen 169 Cluster herangezogen, deren Kern mehr als vier Publikationen umfasste. Ausgewählt wurden die 42 Cluster mit den höchsten Immediacy-Werten, in diesem Fall mit einem Anteil junger Publikationen im Kern von ≥40%. Diese sind mit ihren Kenndaten in Tabelle 1 aufgeführt, sortiert nach dem Immediacy-Wert und der Frontgrösse (in absteigender Reihenfolge).

Eine durchgehende Beteiligung der Schweiz an allen Fronten war nicht zu erwarten – angesichts der Tatsache, dass der Anteil schweizerischer Publikationen am gesamten SCI bei 1,5% liegt. Forschende aus schweizerischen Institutionen sind aber an einem Drittel der 42 Fronten mit eigenen Publikationen vertreten; damit wird deutlich, dass die Schweiz in erheblichem Umfang an diesen ausgewählten, hochdynamischen Forschungsfronten der Klimaforschung aktiv ist. Die ETH Zürich und die Universität Bern sind jeweils an einer ganzen Reihe dieser Fronten vertreten, zum Teil auch mit hochzitierten Publikationen in den Clusterkernen.

Tabelle 1: Hochdynamische Forschungsfronten der Klimaforschung 1998

Nr.	Forschungsfront	K	F	I	A	CH	CH%
1	Atmosphere-Ice-Ocean Interactions in the Arctic	7	8	85	3.0	0	0
2	Middle Atmosphere Climatologies/Ukmos Unified Model	6	10	83	3.0	0	0
3	NCAR Ccm3	37	42	81	1.4	0	0
4	Climate-Change and Health	11	15	81	2.5	1	7
5	Boreal Forest Ecosystems	16	22	68	4.2	0	0
6	Multi-Fingerprint Detection	6	4	66	3.5	0	0
7	Glacial/Oceanic History of the Polar North-Atlantic Margins	25	24	64	4.4	1	4
8	Coupled General-Circulation Modeling of the Tropical Pacific	5	10	60	3.6	0	0
9	Trends in Total Rainfall	5	7	60	4.0	0	0
10	Late Pliocene Climatic-Change	12	19	58	5.8	0	0
11	Simulation of Climate-Change over Europe	7	8	57	6.6	1	13
12	Ocean Climate-Change	18	19	55	5.2	0	0
13	Atmospheric Effects of Aircraft Emissions	9	7	55	4.2	0	0
14	Solar Surface Radiation Budget	32	55	53	4.0	3	5
15	Anthropogenic Sulfate and Black Carbon Aerosols	15	22	53	7.2	1	5
16	Detecting Climate Signals	18	29	50	5.8	0	0
17	Biomass History/Greenland Ice Core Project	8	15	50	4.0	2	13
18	Terrestrial Carbon-Cycle	6	11	50	6.2	0	0
19	Toga-Coare	26	33	46	5.2	0	0
20	Plane-Parallel Albedo Biases	24	25	45	6.1	0	0
21	Simulating Carbon Dynamics	22	21	45	5.5	1	5
22	Regional Moisture Fluxes	11	13	45	11.7	0	0
23	Semi-Lagrangian vs Eulerian Polar Climate Simulations	11	7	45	3.8	0	0
24	Temperature Trends	27	23	44	4.1	0	0
25	ENSO Prediction	9	13	44	3.8	0	0
26	Global Size-Dependent Aerosol Transport Model	9	10	44	4.8	1	10
27	Decadal Time-Scale Variability	16	19	43	4.7	1	5
28	Deglaciation of a Soft-Bedded Laurentide Ice-Sheet	7	7	42	5.9	0	0
29	Instability of the Ocean Mixed-Layer	7	7	42	16.1	0	0
30	Thermohaline Oscillations	39	60	41	5.8	6	10
31	Z-Coordinate Ocean Model	34	45	41	6.6	2	4
32	Potential Seasonal Predictability	40	52	40	6.2	1	2
33	Biosphere-Atmosphere Feedbacks in Climate-Change	37	46	40	6.8	1	2

Nr.	Forschungsfront	K	F	I	A	CH	CH%
34	Simulation of Tropospheric O-3-NOx-Hydrocarbon Chemistry	5	20	40	4.4	0	0
35	Indonesian Throughflow	5	13	40	4.8	0	0
36	Response of Tropical Climatology to Global Warming	5	10	40	4.8	0	0
37	Thermohaline Instability in the North-Atlantic	5	7	40	4.6	1	14
38	Secular Variation of Nd and Pb Isotopes	10	7	40	9.2	0	0
39	Anthropogenically Derived Tropospheric Ozone	5	6	40	4.0	0	0
40	Early Pliocene Deep-Water Circulation	5	6	40	4.8	0	0
41	Large-Scale Temperature Averages	5	5	40	4.2	0	0
42	Thermohaline Circulation/Anthropogenic CO2	5	5	40	10.8	0	0

3.2 Neurowissenschaften

Für die Neurowissenschaften wurde der NSCI mit insgesamt 86.482 Publikationen (11/97 – 10/98) einschliesslich der in ihnen enthaltenen Referenzen ausgewertet. Nach Angaben des Datenbankherstellers umfasst der NSCI Verweise auf die Publikationen von mehr als 2.800 führenden Zeitschriften der folgenden Gebiete:

- Behavioral Neurology
- Cerebrovascular Disease & Metabolism
- Developmental Neuroscience
- Electroencephalography
- Epilepsy Research
- Molecular Brain Research
- Neural Networks
- Neurogenetics
- Neuorimaging
- Neurosurgery
- Psychopharmacology

Eine vollständige Liste der ausgewerteten Zeitschriften ist im World-Wide-Web beim Hersteller verfügbar (http://www.isinet.com/products/citation/citnsci.html).

Die Auswertung der Referenzen ergab, dass 97.860 der insgesamt 2.401.569 zitierten Veröffentlichungen in dem genannten Zeitraum mehr als viermal zitiert wurden; diese wurden in die weitere Analyse einbezogen. Die Ko-Zitationsclusteranalyse ergab 10.070 Cluster mit insgesamt 66.482 hoch zitierten und stark ko-zitierten Publikationen in den Kernen. Zur Ermittlung der hochdynamischen Forschungsfronten wurden diejenigen 2.712 Cluster herangezogen, deren Kern mehr als fünf Publikationen umfasste. Ausgewählt wurden die 100 Cluster mit den höchsten Immediacy-Werten, in diesem Fall mit einem Anteil junger Publikationen im Kern von ≥75%. Diese sind mit ihren Kenndaten in Tabelle 2 aufgeführt, sortiert nach dem Immediacy-Wert und der Frontgrösse (in absteigender Reihenfolge).

An 42 der 100 Fronten sind Forschende aus schweizerischen Institutionen mit eigenen Publikationen aktiv. Damit ist die Schweiz in diesen hochdynamischen Bereichen der Neurowissenschaften gut vertreten. Vor allem die Universitäten Genf und Zürich, aber auch andere Hochschulen und die Basler pharmazeutischen Firmen sind an einer ganzen Reihe von Fronten aktiv.

Tabelle 2: Hochdynamische Forschungsfronten der Neurowissenschaften 1998

Nr.	Forschungsfront	K	F	I	A	CH	CH%
1	Acute Stroke Therapy	6	99	100	2.7	4	4
2	New Variant Creutzfeldt-Jakob-Disease	7	77	100	1.6	7	9
3	Limbic Gamma-Rhythms	7	55	100	2.1	3	5
4	Event-Related Fmri	13	44	100	1.5	0	0
5	Presenilin Mutation in Alzheimers-Disease	17	43	100	2.3	0	0
6	Genetic Epidemiology of Alzheimer-Disease	16	38	100	2.1	0	0
7	Apoptosis and Cerebral-Ischemia	7	35	100	1.4	1	3
8	Nociceptin/Orphanin Fq	11	30	100	1.6	1	3
9	Central-Nervous-System Effects of Leptin	11	29	100	1.4	2	7
10	G-Protein Signaling	11	23	100	1.7	0	0
11	Regulation of Leptin Production	6	16	100	2.7	2	13
12	Gaa Instability in Friedreichs-Ataxia	9	16	100	2.2	0	0
13	Prenatal Cocaine Exposure	9	14	100	2.3	0	0
14	Structural Neuroimaging and Mood Disorders	6	10	100	1.5	0	0
15	Regulating HES-1 Induction	6	10	100	1.5	1	10
16	Fluoxetine and 5-Ht1A Receptor Antagonists	6	10	100	2.0	0	0
17	Polyglutamine-Expanded Human Huntingtin Transgenes	7	10	100	0.3	0	0
18	MRI in Multiple-Sclerosis	6	7	100	0.5	0	0
19	Neurobiology of OB Protein (Leptin)	36	150	94	2.5	10	7
20	Estrogen Receptor-Beta Messenger-RNA	15	43	93	1.7	0	0
21	Bone Morphogenetic Proteins and Their Receptors	16	23	93	2.6	0	0
22	Apolipoprotein-E and Alzheimers-Disease	13	27	92	2.5	0	0
23	Presenilins and Alzheimers-Disease	45	265	91	2.2	7	3
24	Gdnf Family Receptor	31	162	90	1.9	8	5
25	Neuronal Cell-Death	40	89	90	1.6	5	6
26	Lubeluzole Treatment of Acute Ischemic Stroke	11	19	90	2.5	1	5
27	Visuomotor Imagery	10	16	90	2.6	0	0
28	Rho and Rho-Kinase	10	14	90	2.3	0	0
29	Mirtazapine and Severe Major Depressive Disorder	10	10	90	3.2	0	0
30	Basic Helix-Loop-Helix Proteins	9	25	88	2.4	0	0
31	5-HT Autoreceptors	9	20	88	2.6	1	5
32	Amisulpride	9	19	88	2.1	0	0
33	Apoptosis in Neurodegenerative Diseases	8	90	87	2.9	0	0
34	Recognition of Facial Expressions	16	57	87	3.5	1	2

Nr.	Forschungsfront	K	F	I	A	CH	CH%
35	Gdnf and Parkinsons-Disease	16	40	87	2.2	1	3
36	Pindolol Augmentation of Antidepressant Therapy	8	35	87	1.8	0	0
37	Microglial Cell Development	8	18	87	1.8	1	6
38	Huntington-Disease/Expanded Polyglutamine	8	12	87	2.5	0	0
39	Adenoviral Gene-Transfer	8	11	87	2.4	0	0
40	Mitochondria in Neurodegenerative Apoptosis	15	61	86	2.1	4	7
41	Huntington-Disease and Drpla	29	53	86	2.7	0	0
42	Selective Limbic Activation and Emotional Disorders	7	19	85	2.3	0	0
43	Cannabinoid Cb1 Receptors	7	14	85	2.7	0	0
44	Insulin-Like Growth-Factor-I	7	13	85	3.0	0	0
45	Nitric-Oxide Synthase	7	10	85	2.7	0	0
46	Cd95L-Induced Apoptosis	19	47	84	2.3	9	19
47	Tau-Protein Pathology	19	28	84	1.9	1	4
48	Hippocampal Connectivity in Schizophrenia	13	19	84	2.5	0	0
49	Semaphorins	31	58	83	2.4	3	5
50	Synaptic Snare Complex	24	49	83	2.8	4	8
51	Opioid Receptors	18	42	83	2.6	0	0
52	Calcium Channels and Snare Complex	12	39	83	2.2	2	5
53	Caspase Inhibitors	6	33	83	3.7	2	6
54	Nitric-Oxide in Neurodegeneration	6	32	83	2.2	1	3
55	Tachykinins	6	16	83	2.3	0	0
56	Brain-Tissue Po-2	6	16	83	2.8	0	0
57	Apolipoprotein-E/Focal Ischemia	6	12	83	4.0	0	0
58	Fibrillogenesis of Beta-Amyloid	6	11	83	2.8	0	0
59	Transgenic Mice in Drug-Dependence Research	6	10	83	2.0	1	10
60	P21-Activated Kinase-1 (Pak1)	6	10	83	2.2	0	0
61	Na+/Ca2+ Channel Blocker	6	10	83	2.5	0	0
62	Adults with Aphasia	6	10	83	2.7	0	0
63	Aceruloplasminemia	12	10	83	3.1	0	0
64	Zebrafish Retinal Mutants	6	9	83	2.5	0	0
65	Nociceptin/Orphanin Fq/ORL-1	35	104	82	2.1	2	2
66	CSF-Tau and A-Beta-42	34	77	82	2.9	6	8
67	Genetic Causes of Hearing-Loss	28	38	82	2.5	0	0
68	Cannabis and Endogenous Cannabinoid Systems	22	42	81	3.2	0	0
69	How Cells Tell Time	11	40	81	2.2	2	5

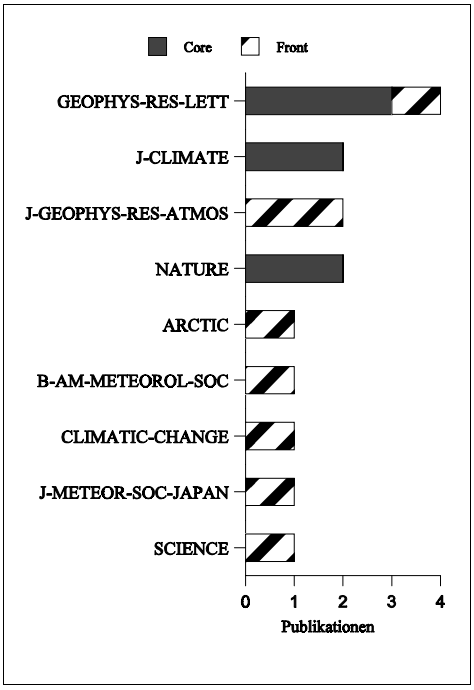
Nr.	Forschungsfront	K	F	I	A	CH	CH%
70	Cell Fate Determination in Embryonic Ectoderm	37	37	81	2.5	0	0
71	Caspase-3 in Apoptosis	20	104	80	2.9	3	3
72	Nonconventional MRI in Monitoring MS	35	71	80	2.4	2	3
73	Transglutaminase/Expanded Polyglutamine	15	66	80	2.1	0	0
74	Chemokines and CNS Inflammation	21	54	80	2.7	3	6
75	Ataxia-Telangiectasia	45	47	80	3.6	0	0
76	Antidepressant Activity of Hypericum Extract	15	25	80	3.3	1	4
77	Neural Protein Fe65	15	20	80	2.9	0	0
78	Immunoreactivity/Vagus Nerve	24	68	79	3.0	3	4
79	Schizophrenia Susceptibility Genes	24	31	79	3.2	1	3
80	Dopamine-Receptor Subtype	28	53	78	2.4	4	8
81	Nitric-Oxide Synthases/Neuromuscular-Junctions	19	44	78	3.0	0	0
82	Cd95 (Apo-1/Fas)	27	45	77	3.1	3	7
83	Spiking Neurons/Information Coding	17	58	76	4.0	3	5
84	Reelin and Brain-Development	26	56	76	6.5	0	0
85	Dopamine-D4 Receptor Gene	17	53	76	2.5	4	8
86	Apolipoprotein-E Knockout Mouse	13	29	76	2.6	2	7
87	Transcription Factor NF-Kappa-B	13	17	76	2.8	0	0
88	Antipsychotic Agents and Bipolar Disorder	13	17	76	2.9	0	0
89	Serotonin Transporter Gene Htt	44	85	75	2.9	1	1
90	The Synuclein Family	40	83	75	3.1	0	0
91	Lipid-Peroxidation	16	44	75	2.4	0	0
92	Sonic Hedgehog Signaling	20	36	75	2.9	0	0
93	Frontotemporal Dementia	16	31	75	2.4	0	0
94	GABA(A) Receptors	8	22	75	2.5	0	0
95	Early Diagnosis of Alzheimers-Disease	8	22	75	3.1	0	0
96	Tissue-Plasminogen Activator	8	20	75	2.9	2	10
97	B7/Cd28-Ctla-4 Costimulatory System	12	19	75	3.3	0	0
98	Nicotinic Acetylcholine-Receptors	12	14	75	3.2	0	0
99	Experimental Allergic Encephalomyelitis	8	13	75	4.5	0	0
100	Collapsin Response Mediator Protein (Crmp)	8	11	75	4.2	0	0

HDS 1: Atmosphere-Ice-Ocean Interactions in the Arctic

7 Kernpublikationen / 8 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



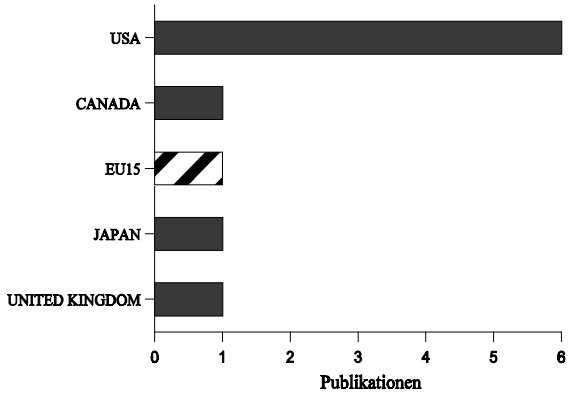
Akteure (Forschungsfront)

Institutionen

3 NASA, USA
2 NOAA, USA
2 UNIV-COLORADO, USA
2 UNIV-WASHINGTON, USA
2 USN, USA

(und weitere 20 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Randall-D Curry-J Battisti-D Flato-G Grumbine-R Hakkinen-S Martinson-D Preller-R Walsh-J Weatherly-J
Status of and Outlook for Large-Scale Modeling of Atmosphere-Ice-Ocean Interactions in the Arctic

5 Cavalieri-DJ Gloersen-P Parkinson-CL Comiso-JC Zwally-HJ
Observed Hemispheric-Asymmetry in Global Sea-Ice Changes

5 Smith-DM
Recent Increase in the Length of the Melt Season of Perennial Arctic Sea-Ice

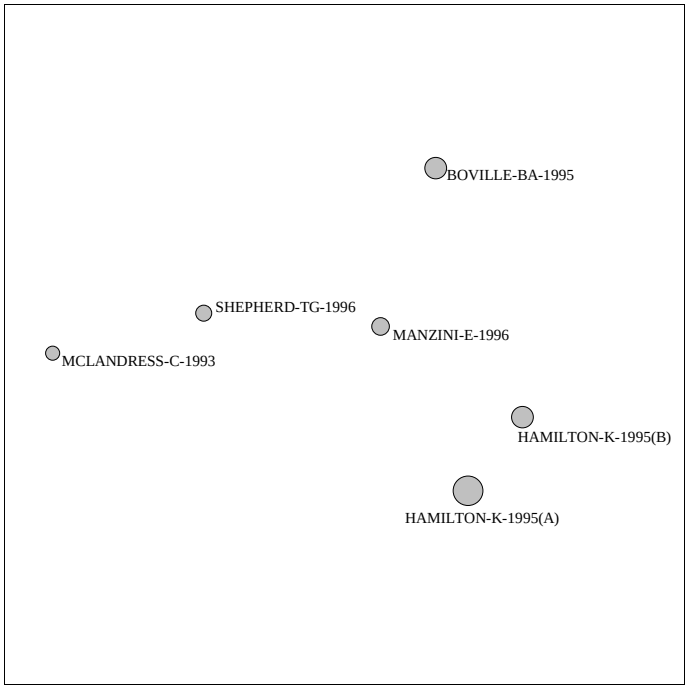
4 Stone-RS
Variations in Western Arctic Temperatures in Response to Cloud Radiative and Synoptic-Scale Influences

4 Tynan-CT Demaster-DP
Observations and Predictions of Arctic Climatic-Change - Potential Effects on Marine Mammals

HDS 2: Middle Atmosphere Climatologies/Ukmos Unified Model

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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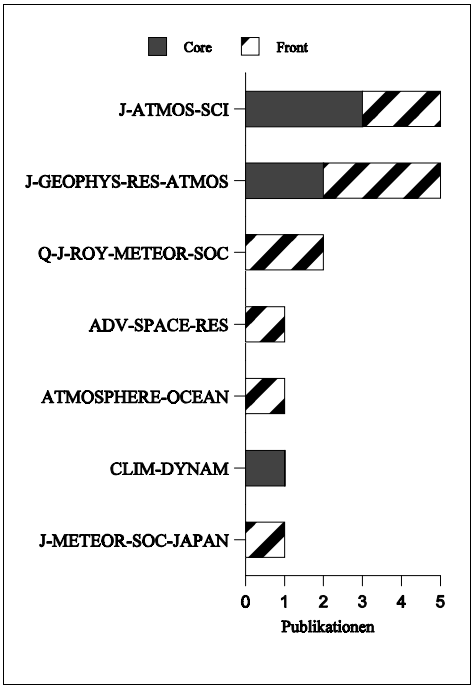
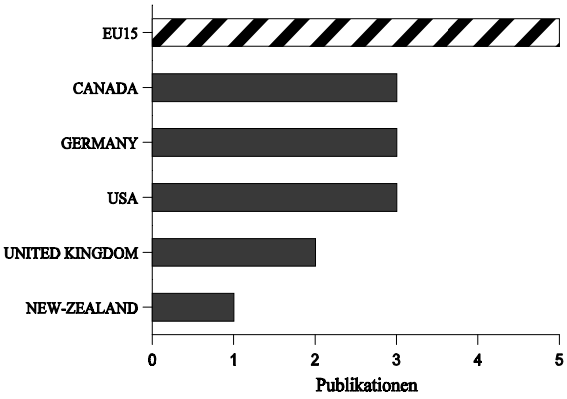


Akteure (Forschungsfront)

Institutionen

2 MAX-PLANCK-INST-METEOROL, GERMANY
2 METEOROL-OFF, UNITED KINGDOM
2 PRINCETON-UNIV, USA
1 CANADIAN-CTR-CLIMATE-MODELLING-&-ANAL, CANADA
1 CCCMA, CANADA
1 DEUTSCH-KLIMARECHENZENTRUM, GERMANY
1 FREE-UNIV-BERLIN, GERMANY
1 INST-SPACE-&-TERR-SCI, CANADA
1 LOS-ALAMOS-NATL-LAB, USA
1 UNIV-CANTERBURY, NEW-ZEALAND
1 UNIV-CHICAGO, USA
1 UNIV-READING, UNITED KINGDOM
1 UNIV-TORONTO, CANADA
1 UNIV-VICTORIA, CANADA
1 YORK-UNIV, CANADA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Beagley-SR Degrandpre-J Koshyk-JN Mcfarlane-NA Shepherd-TG
Radiative-Dynamical Climatology of the First-Generation Canadian Middle Atmosphere Model

5 Butchart-N Austin-J
Middle Atmosphere Climatologies from the Troposphere-Stratosphere Configuration of the Ukmos Unified Model

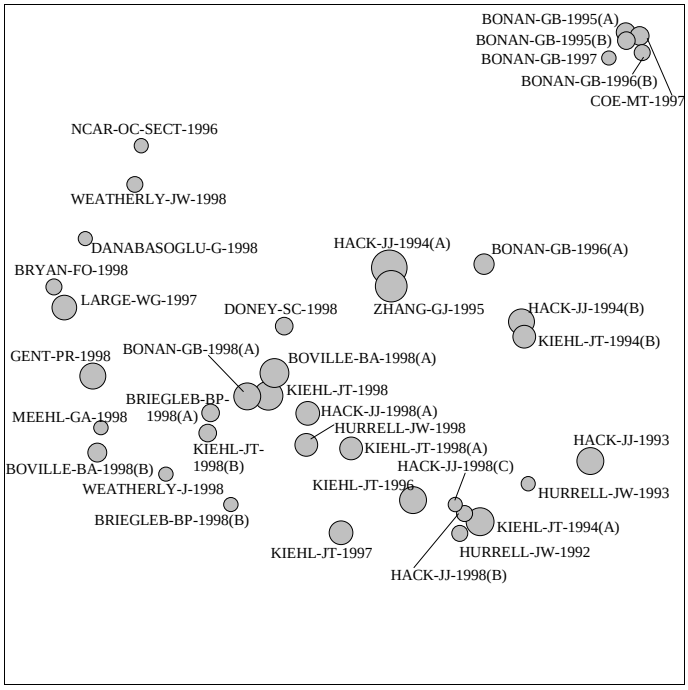
5 Swinbank-R Lahoz-WA Oneill-A Douglas-CS Heaps-A Podd-D
Middle Atmosphere Variability in the UK Meteorological-Office Unified Model

4 Manzini-E Mcfarlane-NA Mclandress-C
Impact of the Doppler Spread Parameterization on the Simulation of the Middle Atmosphere Circulation Using the Ma/Echam4 General-Circulation Model

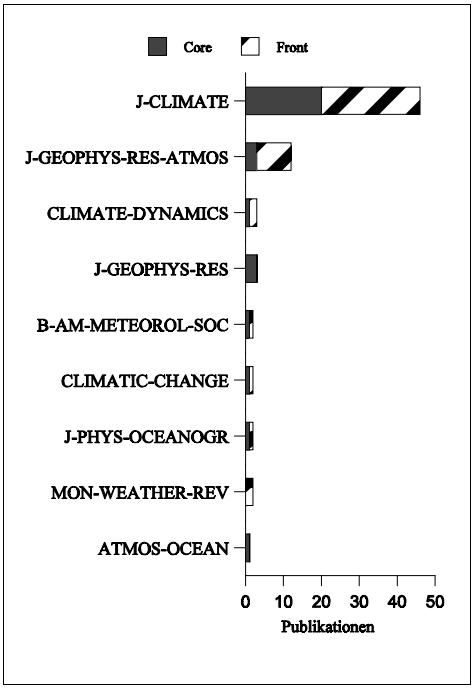
HDS 3: NCAR Ccm3

37 Kernpublikationen / 42 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



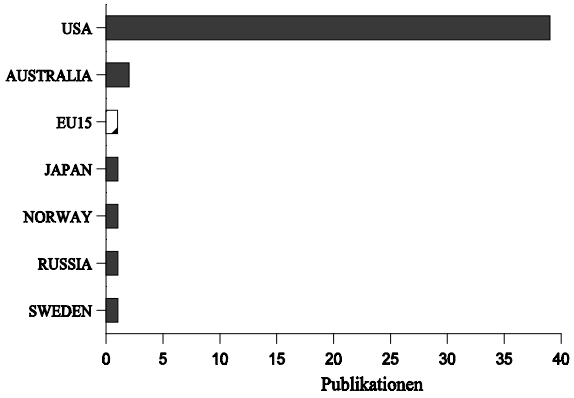
Akteure (Forschungsfront)

Institutionen

28 NATL-CTR-ATMOSPHER-RES, USA
4 UNIV-CALIF-SAN-DIEGO, USA
3 OHIO-STATE-UNIV, USA
2 GEORGIA-INST-TECHNOL, USA

(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

23 Kiehl-JT Hack-JJ Bonan-GB Boville-BA Williamson-DL Rasch-PJ
The National-Center-for-Atmospheric-Research Community-Climate-Model - Ccm3

20 Hack-JJ Kiehl-JT Hurrell-JW
The Hydrologic and Thermodynamic Characteristics of the NCAR Ccm3

19 Boville-BA Gent-PR
The NCAR-Climate-System-Model, Version One

15 Boville-BA Hurrell-JW
A Comparison of the Atmospheric Circulations Simulated by the Ccm3 and Csm1

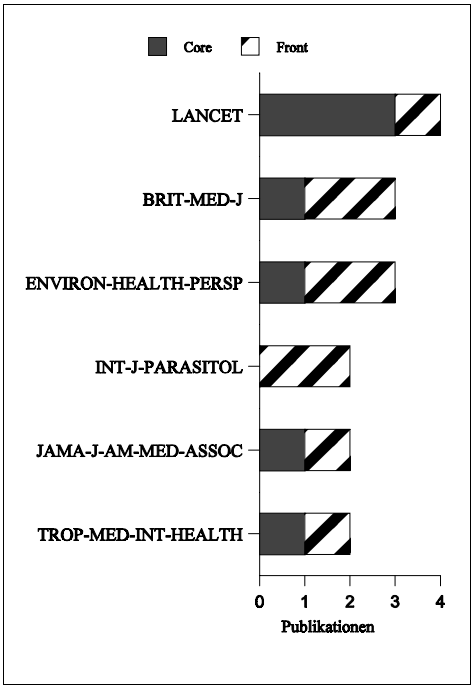
15 Kiehl-JT Hack-JJ Hurrell-JW
The Energy Budget of the NCAR Community Climate Model - Ccm3

HDS 4: Climate-Change and Health

11 Kernpublikationen / 15 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



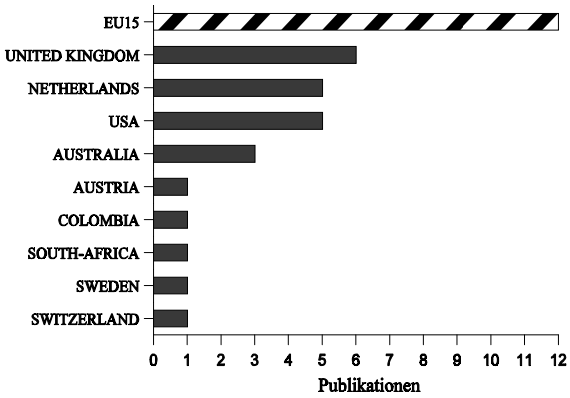
Akteure (Forschungsfront)

Institutionen

6 UNIV-LONDON-LONDON-SCH-HYG-&-TROP-MED, UNITED KINGDOM
4 MAASTRICHT-UNIV, NETHERLANDS
3 ROYAL-FREE-HOSP, UNITED KINGDOM
3 UNIV-COLL-LONDON, UNITED KINGDOM
2 JOHNS-HOPKINS-UNIV, USA
2 WAGENINGEN-UNIV-AGR, NETHERLANDS

(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

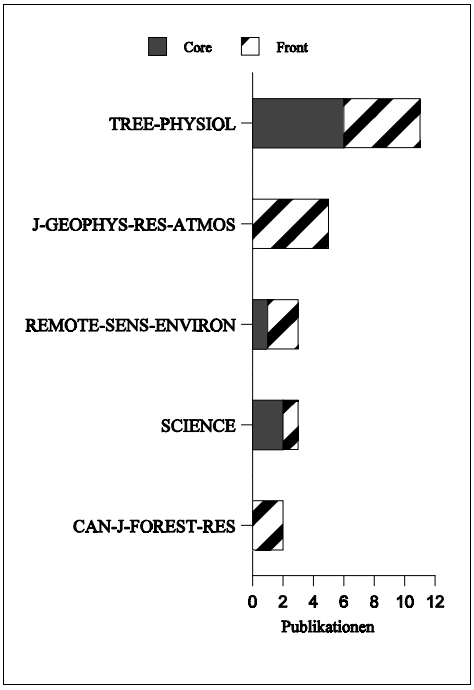
9 Mcmichael-AJ Patz-J Kovats-RS
Impacts of Global Environmental-Change on Future Health and Health-Care in Tropical Countries
8 Haines-A Mcmichael-AJ
Climate-Change and Health - Implications for Research, Monitoring, and Policy
7 Epstein-PR Diaz-HF Elias-S Grabherr-G Graham-NE Martens-WJM Mosleythompson-E Susskind-J
Biological and Physical Signs of Climate-Change - Focus on Mosquito-Borne Diseases
7 Mcmichael-AJ Haines-A
Global Climate-Change - The Potential Effects on Health
6 Patz-JA Martens-WJM Focks-DA Jetten-TH
Dengue-Fever Epidemic Potential as Projected by General-Circulation Models of Global Climate-Change

HDS 5: Boreal Forest Ecosystems

16 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



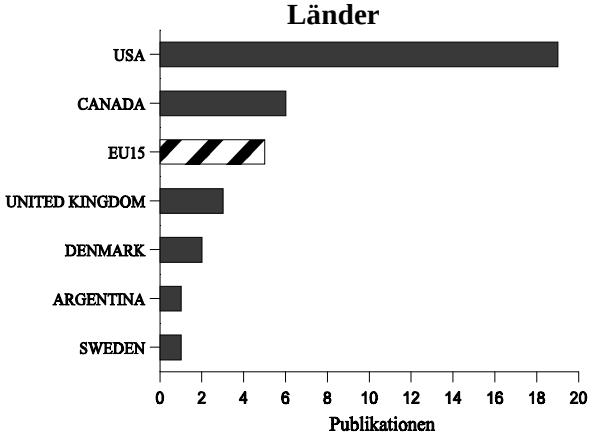
Akteure (Forschungsfront)

Institutionen

5 NASA, USA
4 NATL-CTR-ATMOSPHER-RES, USA
4 UNIV-LAVAL, CANADA
4 UNIV-WISCONSIN, USA
3 UNIV-NEW-HAMPSHIRE, USA
2 UNIV-MARYLAND, USA
2 US-FOREST-SERV, USA

(und weitere 39 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

13 Sellers-PJ Hall-FG Kelly-RD Black-A Baldocchi-D Berry-J Ryan-M Ranson-KJ Crill-PM Lettenmaier-DP Margolis-H Cihlar-J Newcomer-J Fitzjarrald-D Jarvis-PG Gower-ST Halliwell-D Williams-D Goodison-B Wickland-DE Guertin-FE
Boreas in 1997 - Experiment Overview, Scientific Results, and Future-Directions

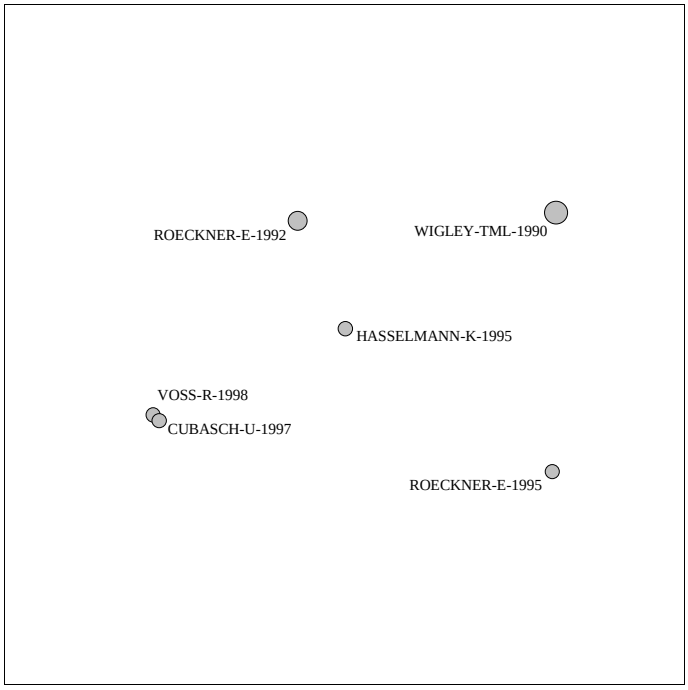
12 Margolis-HA Ryan-MG
A Physiological-Basis for Biosphere-Atmosphere Interactions in the Boreal Forest - An Overview

10 Dang-QL Margolis-HA Collatz-GJ
Parameterization and Testing of a Coupled Photosynthesis Stomatal Conductance Model for Boreal Trees

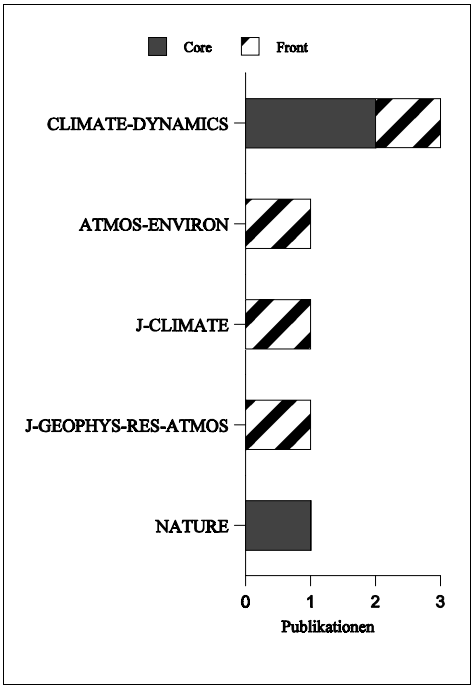
HDS 6: Multi-Fingerprint Detection

6 Kernpublikationen / 4 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

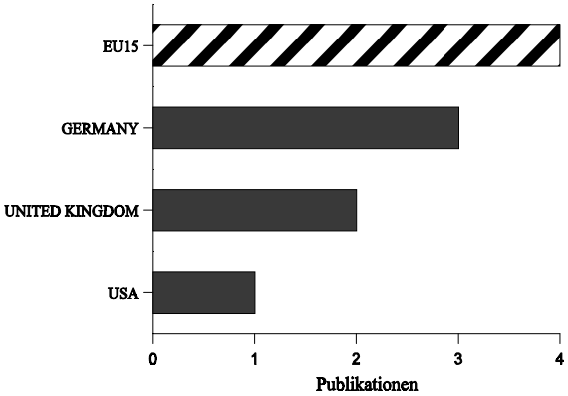


Akteure (Forschungsfront)

Institutionen

3 MAX-PLANCK-INST-METEOROL, GERMANY
2 DEUTSCHES-KLIMARECHENZENTRUM, GERMANY
1 HADLEY-CTR-CLIMATE-PREDICT-&-RES, UNITED KINGDOM
1 UNIV-E-ANGLIA, UNITED KINGDOM
1 UNIV-WASHINGTON, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Jones-PD Hegerl-GC
Comparisons of 2 Methods of Removing Anthropogenically Related Variability from the Near-Surface Observational Temperature-Field

4 Hegerl-GC Hasselmann-K Cubasch-U Mitchell-JFB Roeckner-E Voss-R Waszkewitz-J
Multi-Fingerprint Detection and Attribution Analysis of Greenhouse-Gas, Greenhouse Gas-Plus-Aerosol and Solar Forced Climate-Change

4 Timmermann-A Latif-M Voss-R Grotzner-A
Northern Hemispheric Interdecadal Variability - A Coupled Air-Sea Mode

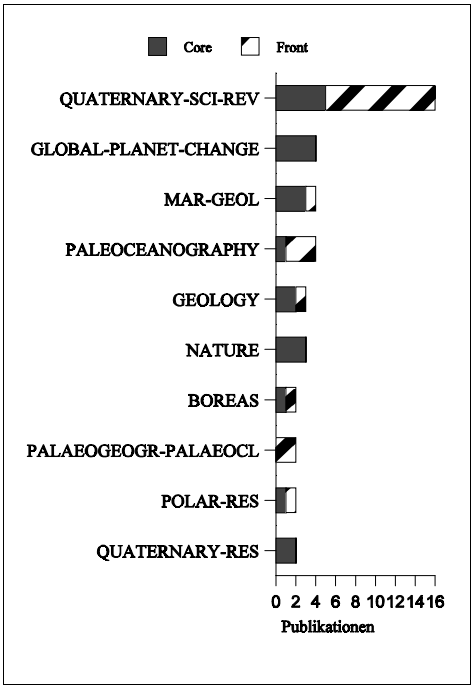
3 Langmann-B Herzog-M Graf-HF
Radiative Forcing of Climate by Sulfate Aerosols as Determined by a Regional Circulation Chemistry Transport Model

HDS 7: Glacial/Oceanic History of the Polar North-Atlantic Margins

25 Kernpublikationen / 24 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

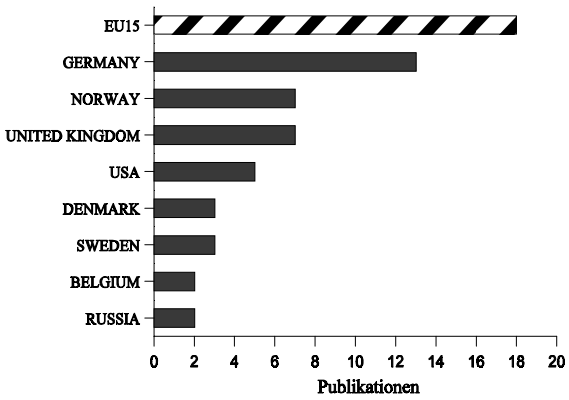


Akteure (Forschungsfront)

Institutionen

6 ALFRED-WEGENER-INST-POLAR-&-MARINE-RES, GERMANY
5 UNIV-BREMEN, GERMANY
5 UNIV-OSLO, NORWAY
3 CHRISTIAN-ALBRECHTS-UNIV-KIEL, GERMANY
3 UNIS, NORWAY
3 UNIV-BERGEN, NORWAY
3 NIV-WALES, UNITED KINGDOM
(und weitere 37 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

14 Landvik-JY Bondevik-S Elverhoi-A Fjeldskaar-W Mangerud-J Salvigsen-O Siegert-MJ Svendsen-JI Vorren-TO
The Last Glacial Maximum of Svalbard and the Barents-Sea Area - Ice-Sheet Extent and Configuration

12 Dowdeswell-JA Elverhoi-A Spielhagen-R
Glacimarine Sedimentary Processes and Facies on the Polar North-Atlantic Margins

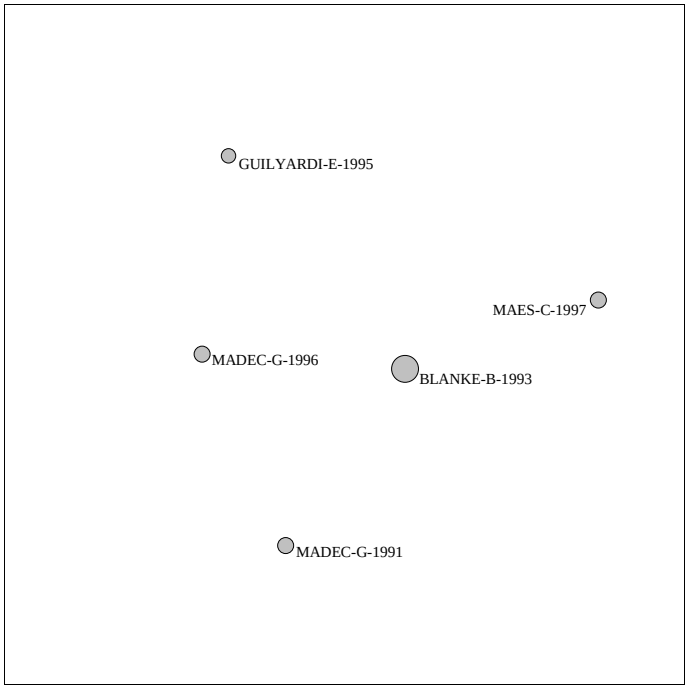
12 Elverhoi-A Dowdeswell-JA Funder-S Mangerud-J Stein-R
Glacial and Oceanic History of the Polar North-Atlantic Margins - An Overview

11 Solheim-A Faleide-JI Andersen-ES Elverhoi-A Forsberg-CF Vanneste-K Uenzelmannneben-G Channell-JET
Late Cenozoic Seismic Stratigraphy and Glacial Geological Development of the East Greenland and Svalbard Barents-Sea Continental Margins

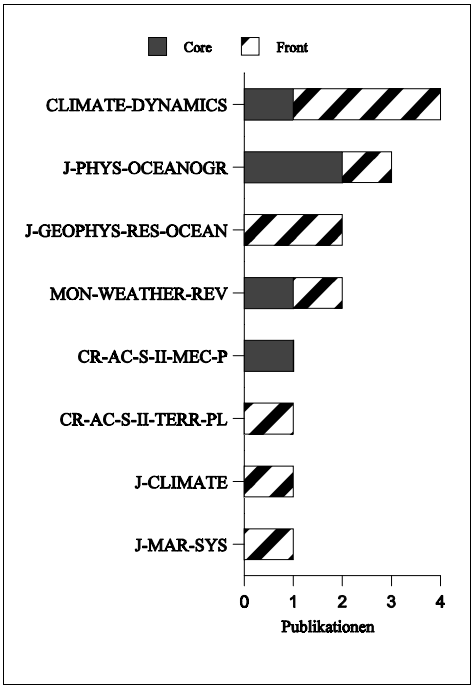
HDS 8: Coupled General-Circulation Modeling of the Tropical Pacific

5 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



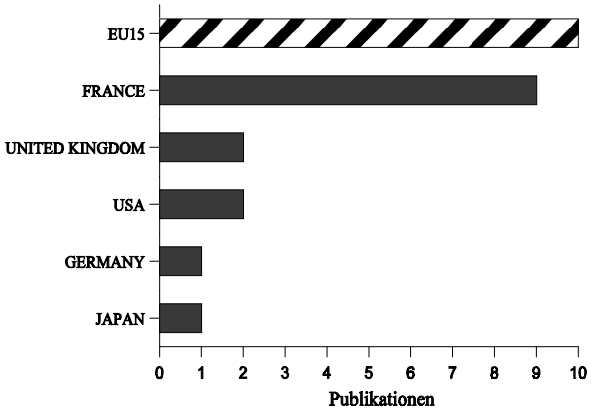
Akteure (Forschungsfront)

Institutionen

7 UNIV-PARIS-06, FRANCE
3 CERFACS, FRANCE
2 NASA, USA

(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

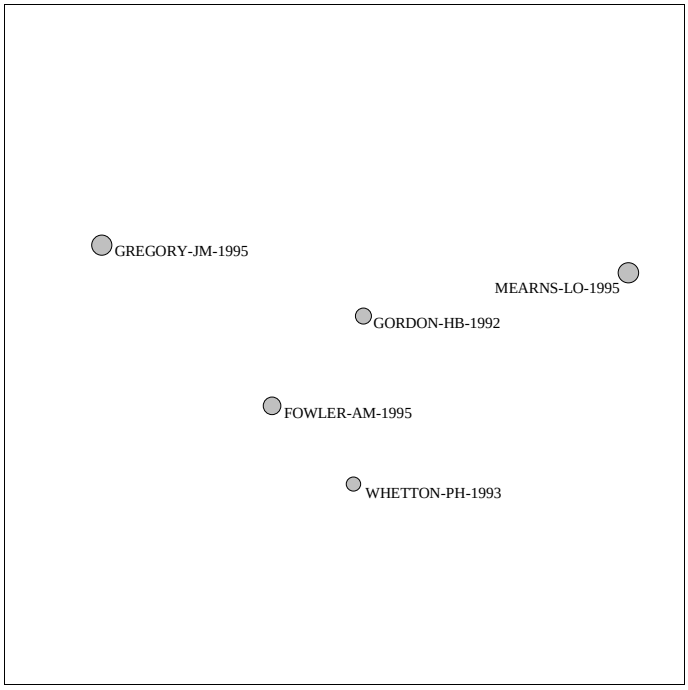
4 Cassou-C Noyret-P Sevault-E Thual-O Terray-L Beaucourt-D Imbard-M
Distributed Ocean-Atmosphere Modeling and Sensitivity to the Coupling Flux Precision - The Cathode Project

4 Delecluse-P Davey-MK Kitamura-Y Philander-SGH Suarez-M Bengtsson-L
Coupled General-Circulation Modeling of the Tropical Pacific

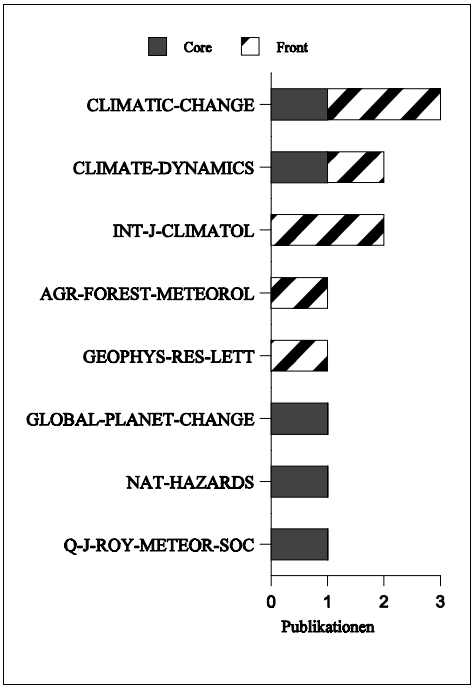
HDS 9: Trends in Total Rainfall

5 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

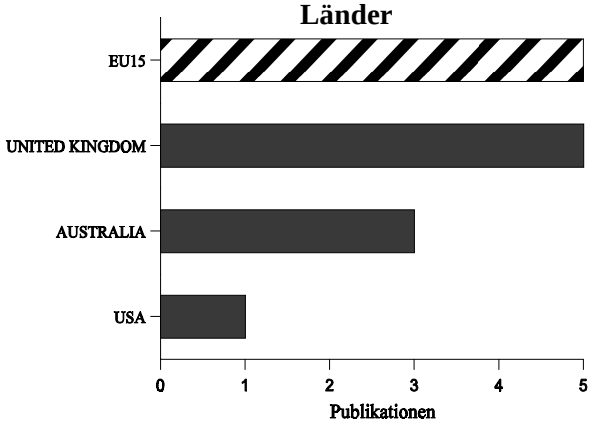


Akteure (Forschungsfront)

Institutionen

4 UNIV-E-ANGLIA, UNITED KINGDOM
3 CSIRO, AUSTRALIA
1 NATL-CTR-ATMOSPHER-RES, USA
1 UNITED-KINGDOM-METEOROL-OFF, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Osborn-TJ Hulme-M
Evaluation of the European Daily Precipitation Characteristics from the Atmospheric Model Intercomparison Project

4 Hennessy-KJ Gregory-JM Mitchell-JFB
Changes in Daily Precipitation Under Enhanced Greenhouse Conditions

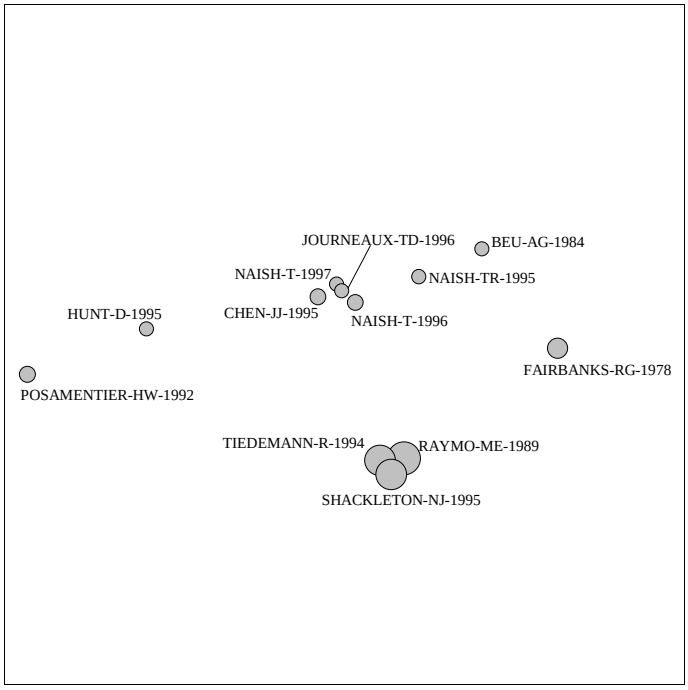
4 Suppiah-R Hennessy-KJ
Trends in Total Rainfall, Heavy Rain Events and Number of Dry Days in Australia, 1910-1990

3 Walsh-K Pittock-AB
Potential Changes in Tropical Storms, Hurricanes, and Extreme Rainfall Events as a Result of Climate-Change

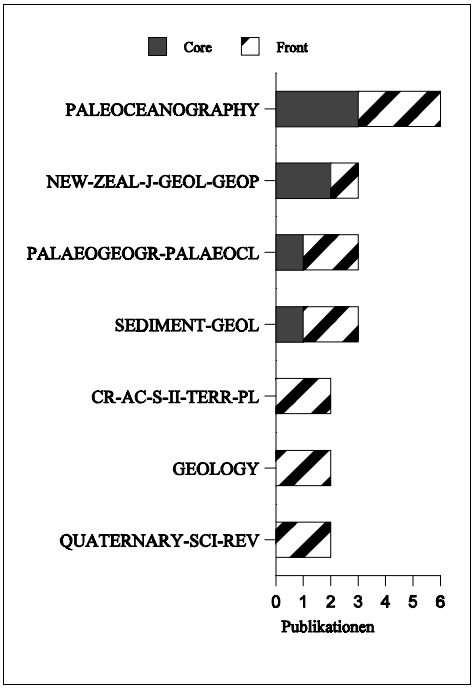
HDS 10: Late Pliocene Climatic-Change

12 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

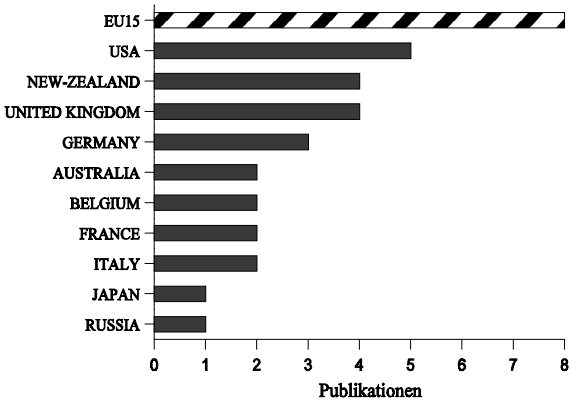


Akteure (Forschungsfront)

Institutionen

4 UNIV-WAIKATO, NEW-ZEALAND
2 CHRISTIAN-ALBRECHTS-UNIV-KIEL, GERMANY
2 INST-GEOL-&-NUCL-SCI, NEW-ZEALAND
2 JAMES-COOK-UNIV-N-QUEENSLAND, AUSTRALIA
2 UNIV-CALIF-SANTA-CRUZ, USA
2 UNIV-CAMBRIDGE, UNITED KINGDOM
2 UNIV-CATHOLIQUE-LOUVAIN, BELGIUM
2 UNIV-COLL-LONDON, UNITED KINGDOM
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

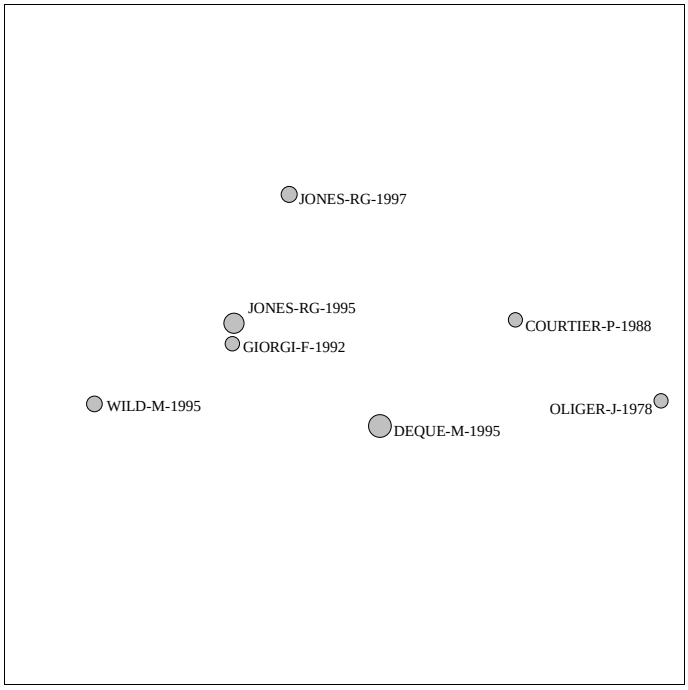
10 Kamp-PJJ Naish-T
Forward Modeling of the Sequence Stratigraphic Architecture of Shelf Cyclothems - Application to Late Pliocene Sequences, Wanganui Basin (New-Zealand)

10 Mcintyre-AP Kamp-PJJ
Late Pliocene (2.8-2.4 Ma) Cyclothemic Shelf Deposits, Parikino, Wanganui Basin, New-Zealand - Lithostratigraphy and Correlation of Cycles

HDS 11: Simulation of Climate-Change over Europe

7 Kernpublikationen / 8 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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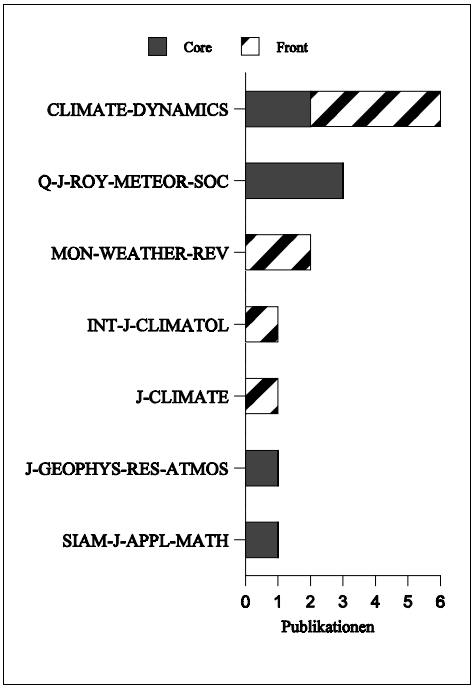


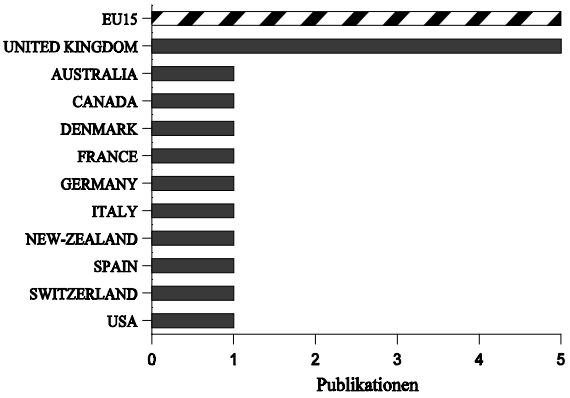
Akteure (Forschungsfront)

Institutionen

1 ATMOSPHER-ENVIRONM-SERV, CANADA
1 CSIRO, AUSTRALIA
1 DANISH-METEOROL-INST, DENMARK
1 ETH-ZURICH, SWITZERLAND
1 GEN-SCI-CORP, USA
1 HADLEY-CTR, UNITED KINGDOM
1 HADLEY-CTR-CLIMATE-PREDICT-&-RES, UNITED KINGDOM

(und weitere 12 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Deque-M Marquet-P Jones-RG
Simulation of Climate-Change over Europe Using a Global Variable Resolution General-Circulation Model

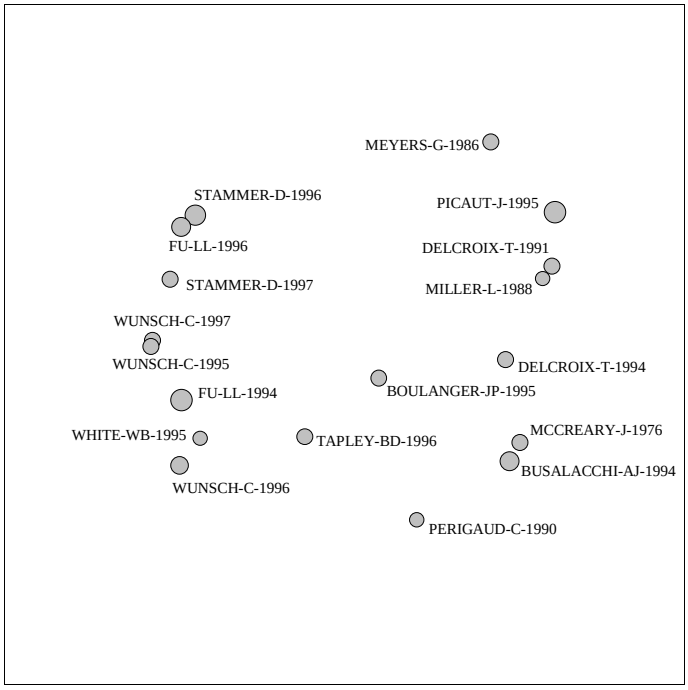
5 Cote-J Gravel-S Methot-A Patoine-A Roch-M Staniforth-A
The Operational CMC-Mrb Global Environmental Multiscale (Gem) Model - Part I - Design Considerations and Formulation

5 Noguer-M Jones-R Murphy-J
Sources of Systematic-Errors in the Climatology of a Regional Climate Model over Europe

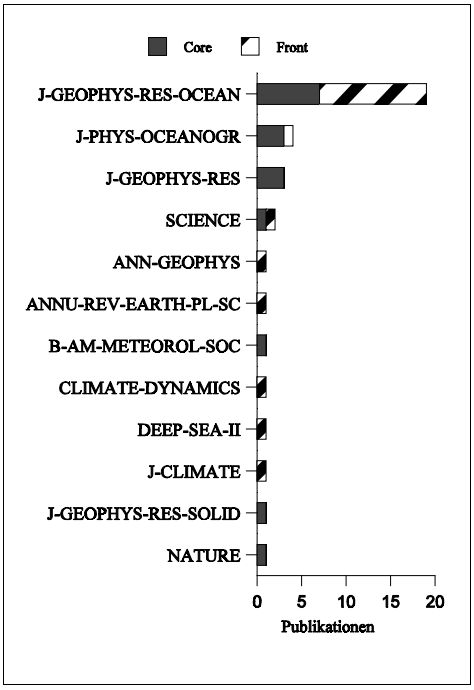
HDS 12: Ocean Climate-Change

18 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

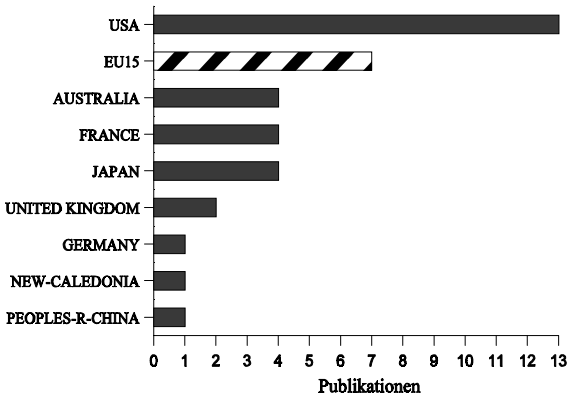


Akteure (Forschungsfront)

Institutionen

4 CSIRO, AUSTRALIA
4 MIT, USA
3 CALTECH, USA
3 UNIV-WASHINGTON, USA
2 NOAA, USA
2 RUTHERFORD-APPLETON-LAB, UNITED KINGDOM
2 UNIV-CALIF-SAN-DIEGO, USA
2 UNIV-HAWAII-MANOA, USA
2 UNIV-OXFORD, UNITED KINGDOM
2 UNIV-S-FLORIDA, USA
2 UNIV-TOKYO, JAPAN
2 WOODS-HOLE-OCEANOG-INST, USA
(und weitere 25 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

12 Stammer-D
Steric and Wind-Induced Changes in Topex/Poseidon Large-Scale Sea-Surface Topography Observations

10 Mcphaden-MJ Busalacchi-AJ Cheney-R Donguy-JR Gage-KS Halpern-D Ji-M Julian-P Meyers-G Mitchum-GT Niiler-PP Picaut-J Reynolds-RW Smith-N Takeuchi-K
The Tropical Ocean Global Atmosphere Observing System - A Decade of Progress

10 Wunsch-C Stammer-D
Satellite Altimetry, the Marine Geoid, and the Oceanic General-Circulation

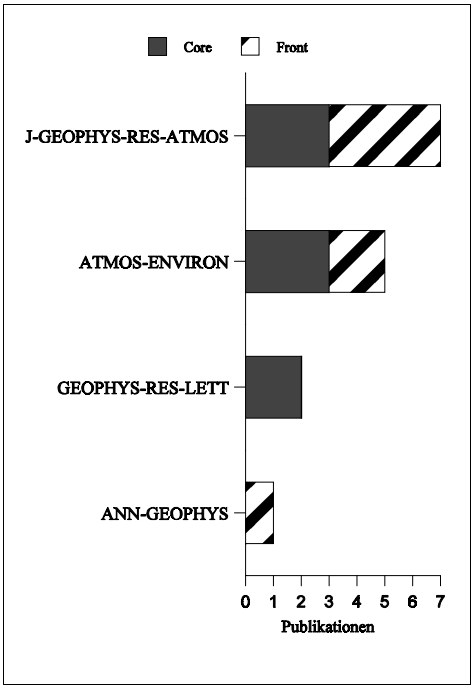
7 Neelin-JD Battisti-DS Hirst-AC Jin-FF Wakata-Y Yamagata-T Zebiak-SE
ENSO Theory

HDS 13: Atmospheric Effects of Aircraft Emissions

9 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



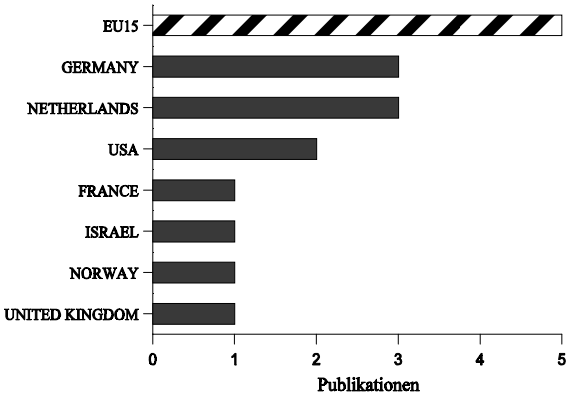
Akteure (Forschungsfront)

Institutionen

2 DLR, GERMANY
2 MAX-PLANCK-INST-CHEM, GERMANY
2 ROYAL-NETHERLANDS-METEOROL-INST, NETHERLANDS

(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Brasseur-GP Cox-RA Hauglustaine-D Isaksen-I Lelieveld-J Lister-DH Sausen-R Schumann-U Wahner-A Wiesen-P
European Scientific Assessment of the Atmospheric Effects of Aircraft Emissions

8 Dameris-M Grewe-V Kohler-I Sausen-R Bruhl-C Grooss-JU Steil-B
Impact of Aircraft NOx Emissions on Tropospheric and Stratospheric Ozone - Part II - 3-D Model Results

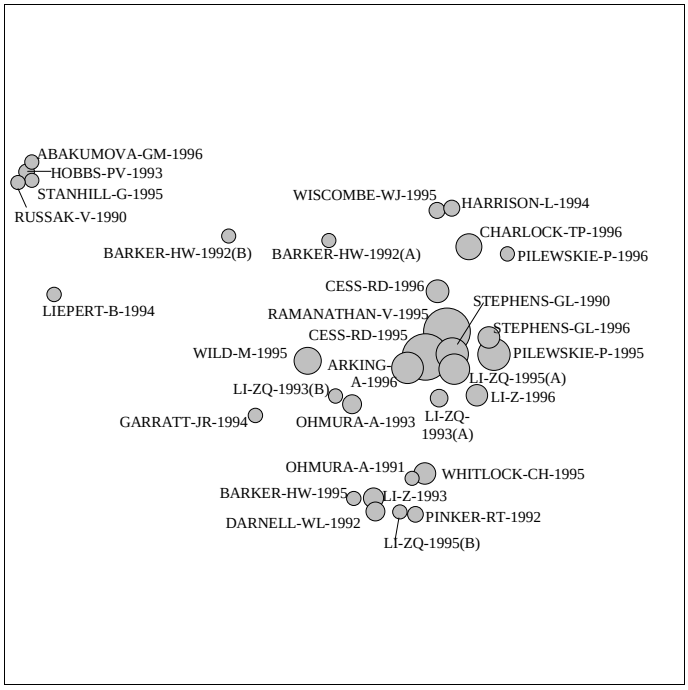
4 Penner-JE Bergmann-DJ Walton-JJ Kinnison-D Prather-MJ Rotman-D Price-C Pickering-KE Baughcum-SL
An Evaluation of Upper Troposphere NOx with 2 Models

4 Steil-B Dameris-M Bruhl-C Crutzen-PJ Grewe-V Ponater-M Sausen-R
Development of a Chemistry Module for Gcms - First Results of a Multiannual Integration

HDS 14: Solar Surface Radiation Budget

32 Kernpublikationen / 55 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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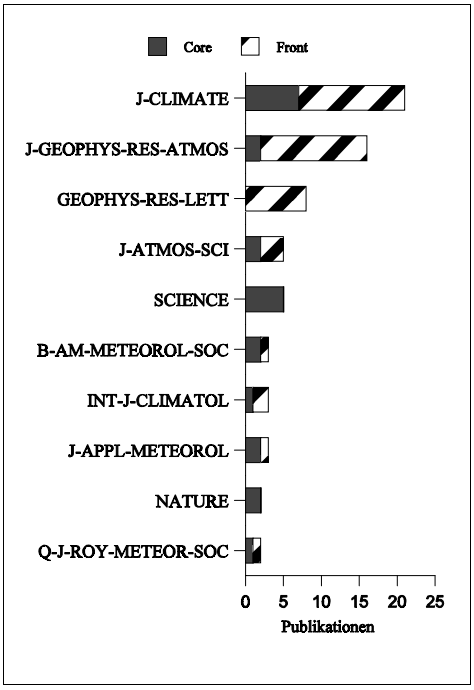
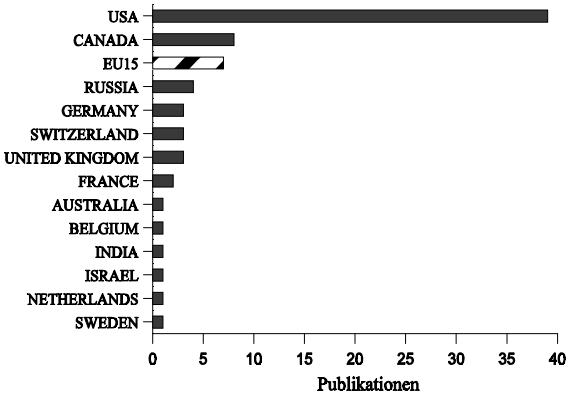


Akteure (Forschungsfront)

Institutionen

10 NASA, USA
8 UNIV-CALIF-SAN-DIEGO, USA
6 NATL-CTR-ATMOSPHER-RES, USA
5 COLUMBIA-UNIV, USA
5 DALHOUSIE-UNIV, CANADA
5 SUNY-STONY-BROOK, USA
3 NOAA, USA
3 SUNY-ALBANY, USA
3 SWISS-FED-INST-TECHNOL, SWITZERLAND
3 UNIV-COLORADO, USA
(und weitere 63 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

19 Li-ZQ
Influence of Absorbing Aerosols on the Inference of Solar Surface Radiation Budget and Cloud Absorption

14 Zhang-MH Cess-RD Jing-XD
Concerning the Interpretation of Enhanced Cloud Shortwave Absorption Using Monthly-Mean Earth Radiation Budget Experiment/Global Energy-Balance Archive Measurements

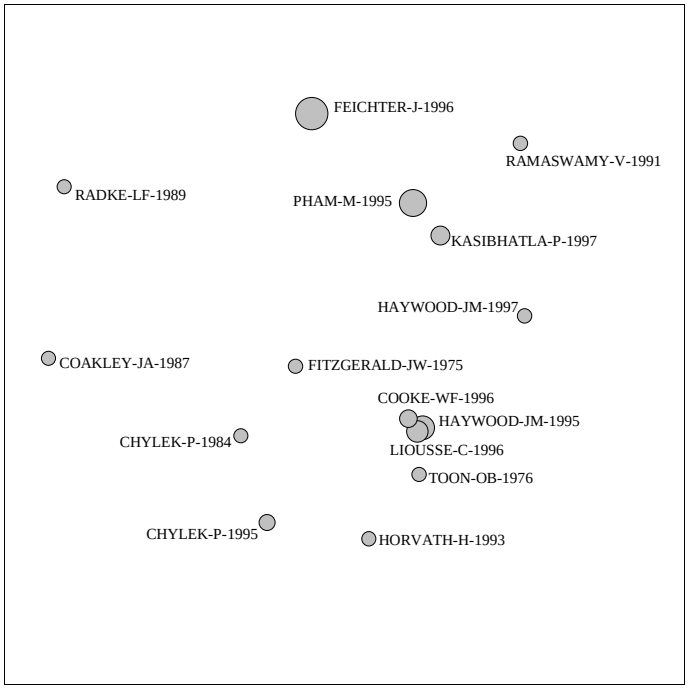
13 Garratt-JR Prata-AJ Rotstayn-LD Mcavaney-BJ Cusack-S
The Surface Radiation Budget over Oceans and Continents

13 Gilgen-H Wild-M Ohmura-A
Means and Trends of Shortwave Irradiance at the Surface Estimated from Global Energy-Balance Archive Data

HDS 15: Anthropogenic Sulfate and Black Carbon Aerosols

15 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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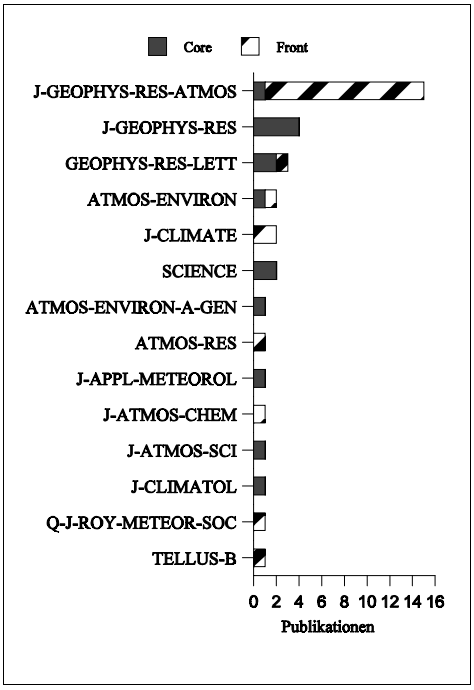
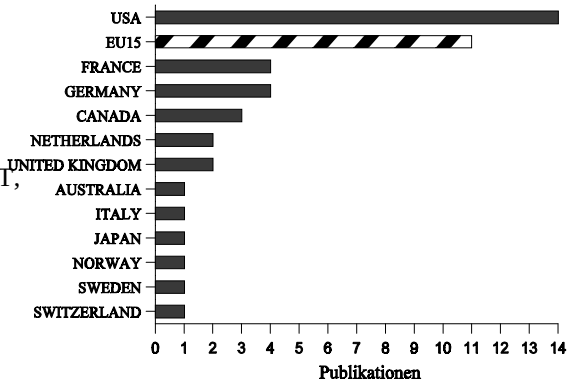


Akteure (Forschungsfront)

Institutionen

4 NASA, USA
3 NOAA, USA
3 PRINCETON-UNIV, USA
3 UNIV-WASHINGTON, USA
2 BROOKHAVEN-NATL-LAB, USA
2 INST-MARINE-&-ATMOSPHER-RES-UTRECHT, NETHERLANDS
2 NATL-CTR-ATMOSPHER-RES, USA
2 UNIV-MARYLAND, USA
2 UNIV-TOULOUSE-3, FRANCE
2 USN, USA
(und weitere 36 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

12 Haywood-JM Ramaswamy-V
Global Sensitivity Studies of the Direct Radiative Forcing Due to Anthropogenic Sulfate and Black Carbon Aerosols

8 Haywood-JM Shine-KP
Multispectral Calculations of the Direct Radiative Forcing of Tropospheric Sulfate and Soot Aerosols Using a Column Model

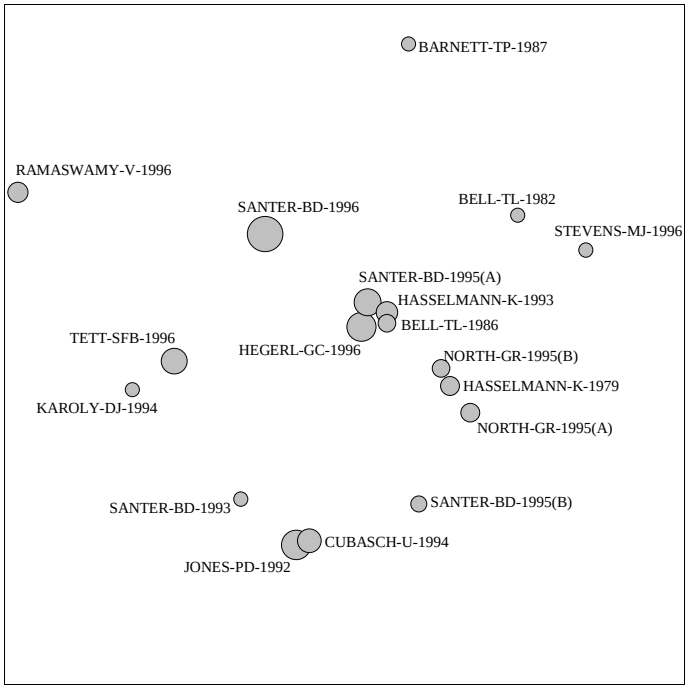
5 Schult-I Feichter-J Cooke-WF
Effect of Black Carbon and Sulfate Aerosols on the Global Radiation Budget

4 Bates-TS Huebert-BJ Gras-JL Griffiths-FB Durkee-PA
International Global Atmospheric Chemistry (Igac) Projects First Aerosol Characterization Experiment (ACE-1) - Overview

HDS 16: Detecting Climate Signals

18 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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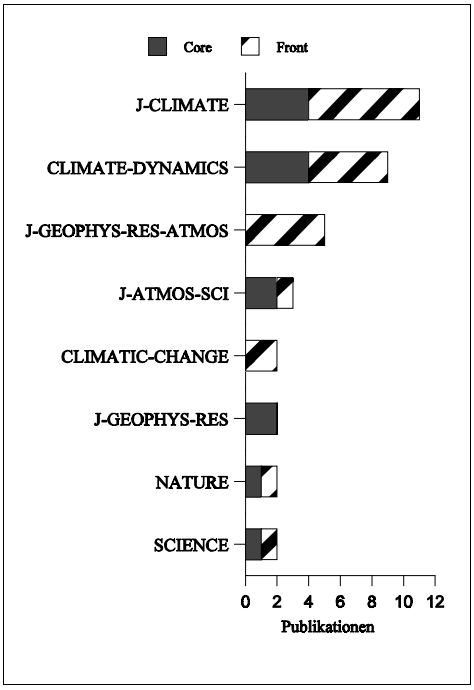


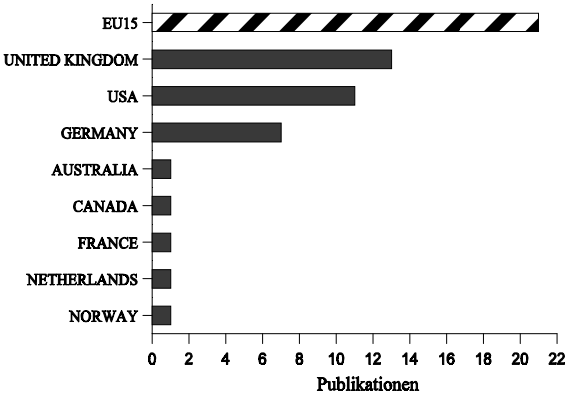
Akteure (Forschungsfront)

Institutionen

7 MAX-PLANCK-INST-METEOROL, GERMANY
7 UNIV-E-ANGLIA, UNITED KINGDOM
3 METEOROL-OFF, UNITED KINGDOM
3 TEXAS-A&M-UNIV, USA
2 LAWRENCE-LIVERMORE-NATL-LAB, USA
2 NATL-CTR-ATMOSPHER-RES, USA
2 UNIV-READING, UNITED KINGDOM
2 USN, USA

(und weitere 29 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

13 Barnett-TP Hegerl-GC Santer-B Taylor-K
The Potential Effect of GCM Uncertainties and Internal Atmospheric Variability on Anthropogenic Signal-Detection

13 Hegerl-GC Hasselmann-K Cubasch-U Mitchell-JFB Roeckner-E Voss-R Waszkewitz-J
Multi-Fingerprint Detection and Attribution Analysis of Greenhouse-Gas, Greenhouse Gas-Plus-Aerosol and Solar Forced Climate-Change

11 Hasselmann-K
Multi-Pattern Fingerprint Method for Detection and Attribution of Climate-Change

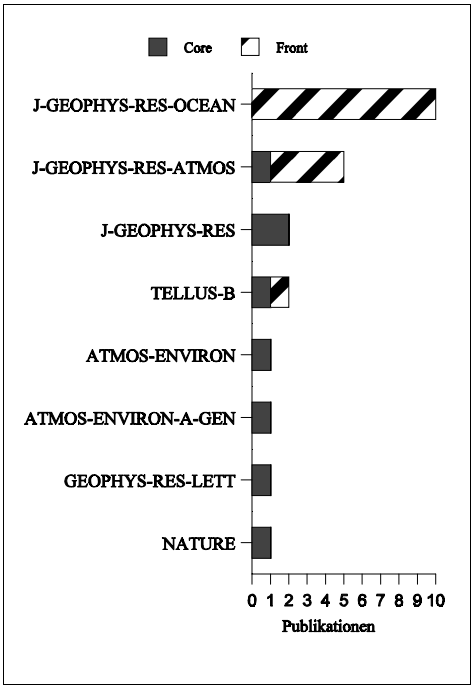
11 North-GR Stevens-MJ
Detecting Climate Signals in the Surface-Temperature Record

HDS 17: Biomass History/Greenland Ice Core Project

8 Kernpublikationen / 15 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

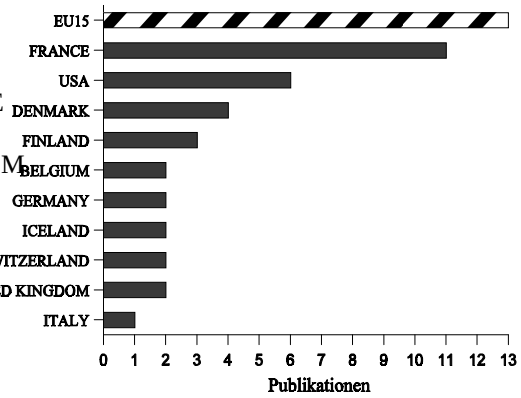


Akteure (Forschungsfront)

Institutionen

5 UNIV-NEW-HAMPSHIRE, USA
4 CNRS, FRANCE
4 LAB-GLACIOL-&-GEOPHYS-ENVIRONM, FRANCE
4 UNIV-COPENHAGEN, DENMARK
2 BRITISH-ANTARCTIC-SURVEY, UNITED KINGDOM
2 UNIV-BERN, SWITZERLAND
2 UNIV-GRENOBLE-1, FRANCE
2 UNIV-LAPLAND, FINLAND
2 USA, USA
(und weitere 21 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Savarino-J Legrand-M
High Northern Latitude Forest-Fires and Vegetation Emissions over the Last Millennium Inferred from the Chemistry of a Central Greenland Ice Core

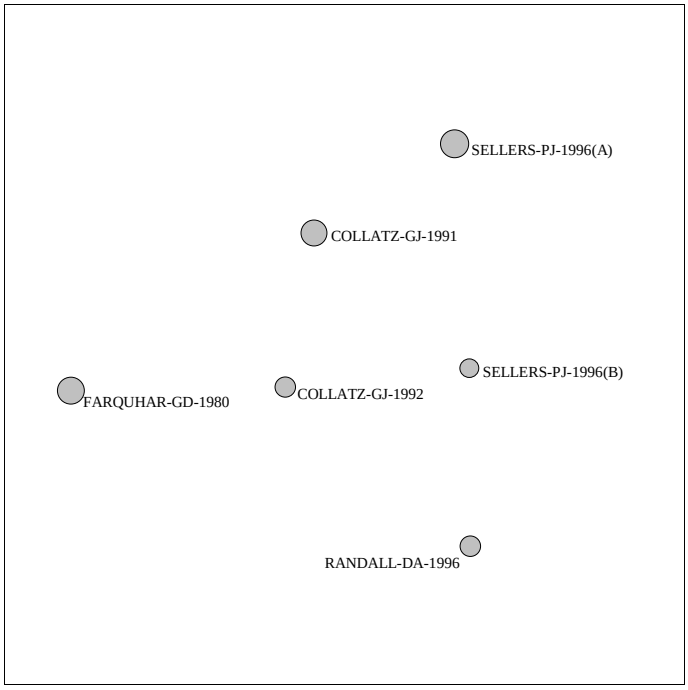
6 Fuhrer-K Legrand-M
Continental Biogenic Species in the Greenland Ice Core Project Ice Core - Tracing Back the Biomass History of the North-American Continent

5 Haan-D Raynaud-D
Ice Core Record of Co Variations During the Last 2 Millennia - Atmospheric Implications and Chemical Interactions Within the Greenland Ice

HDS 18: Terrestrial Carbon-Cycle

6 Kernpublikationen / 11 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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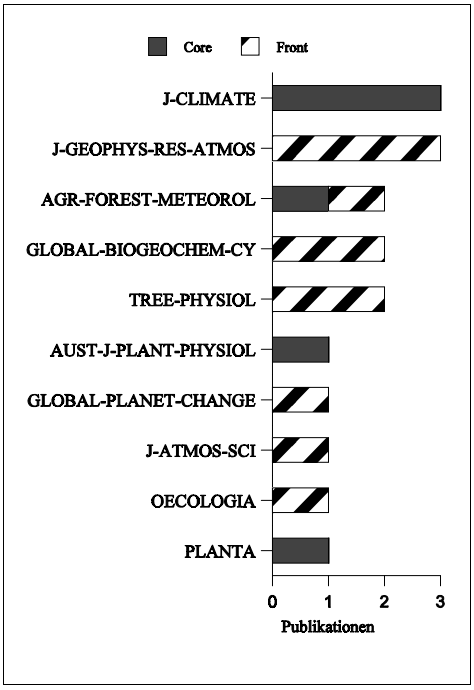


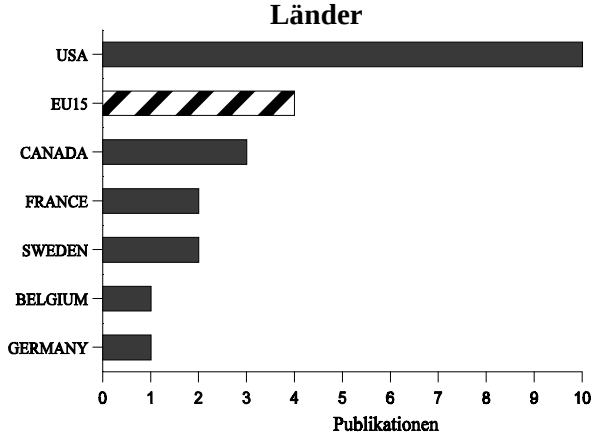
Akteure (Forschungsfront)

Institutionen

6 NASA, USA
3 CARNEGIE-INST-WASHINGTON, USA
2 UNIV-LAVAL, CANADA

(und weitere 24 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Collatz-GJ Berry-JA Clark-JS
Effects of Climate and Atmospheric CO2 Partial-Pressure on the Global Distribution of C-4 Grasses - Present, Past, and Future

6 Craig-SG Holmen-KJ Bonan-GB Rasch-PJ
Atmospheric CO2 Simulated by the National-Center-for-Atmospheric-Research Community Climate Model - 1 - Mean Fields and Seasonal Cycles

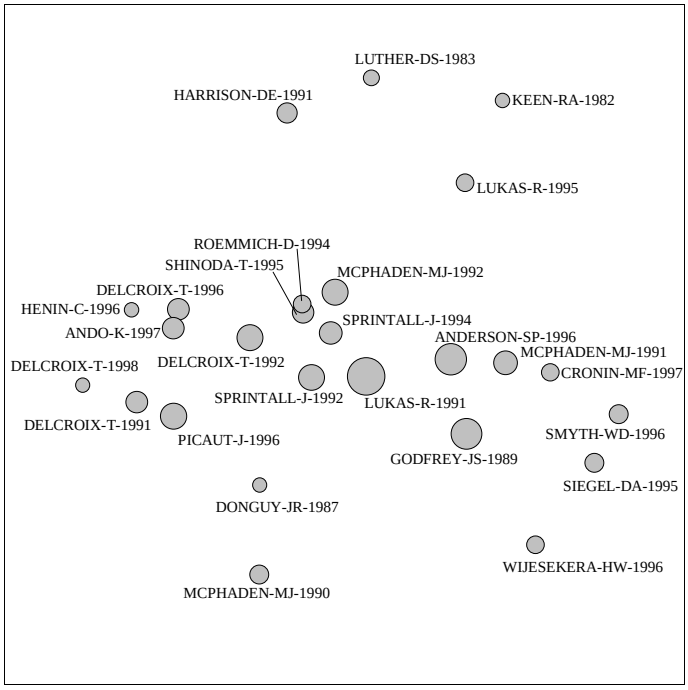
6 Fung-I Field-CB Berry-JA Thompson-MV Randerson-JT Malmstrom-CM Vitousek-PM Collatz-GJ Sellers-PJ Randall-DA Denning-AS Badeck-F John-J
Carbon-13 Exchanges Between the Atmosphere and Biosphere

5 Colello-GD Grivet-C Sellers-PJ Berry-JA
Modeling of Energy, Water, and CO2 Flux in a Temperate Grassland Ecosystem with Sib2 - May-October 1987

HDS 19: Toga-Coare

26 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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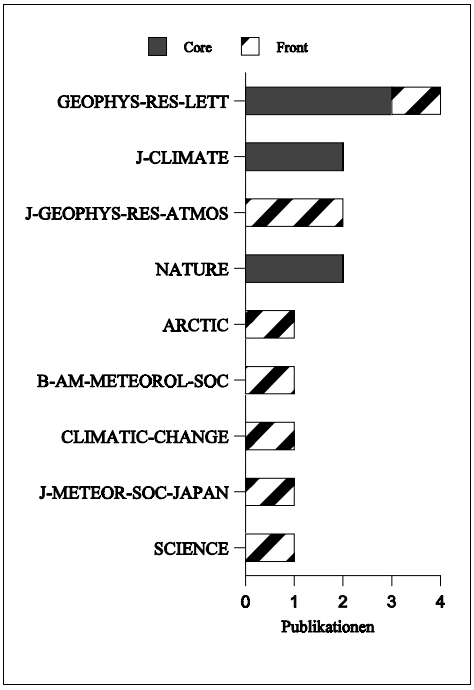


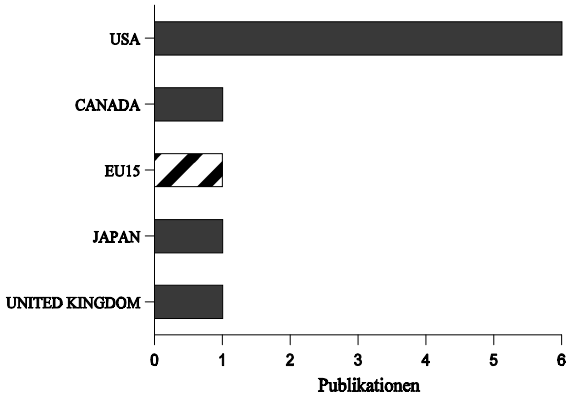
Akteure (Forschungsfront)

Institutionen

6 NASA, USA
6 NOAA, USA
6 UNIV-WASHINGTON, USA
4 CSIRO, AUSTRALIA
4 ORSTOM, NEW-CALEDONIA
3 UNIV-MARYLAND, USA
3 UNIV-PARIS-06, FRANCE

(und weitere 31 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

21 Mcphaden-MJ Busalacchi-AJ Cheney-R Donguy-JR Gage-KS Halpern-D Ji-M Julian-P Meyers-G Mitchum-GT Niiler-PP Picaut-J Reynolds-RW Smith-N Takeuchi-K
The Tropical Ocean Global Atmosphere Observing System - A Decade of Progress

14 Henin-C Dupenhoat-Y Ioualalen-M
Observations of Sea-Surface Salinity in the Western Pacific Fresh Pool - Large-Scale Changes in 1992-1995

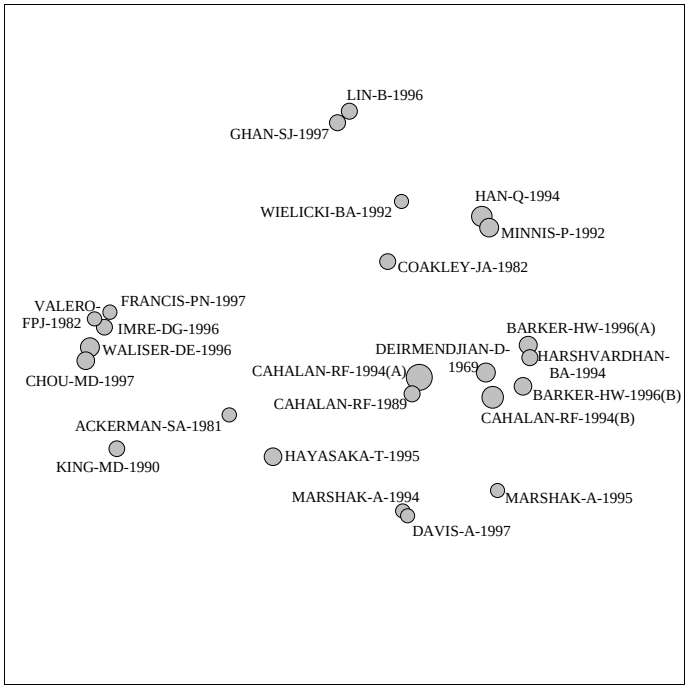
12 Godfrey-JS Houze-RA Johnson-RH Lukas-R Redelsperger-JL Sumi-A Weller-R
Coupled Ocean-Atmosphere Response Experiment (Coare) - An Interim-Report

12 Maes-C Delecluse-P Madec-G
Impact of Westerly Wind Bursts on the Warm Pool of the Toga-Coare Domain in an Ogcm

HDS 20: Plane-Parallel Albedo Biases

24 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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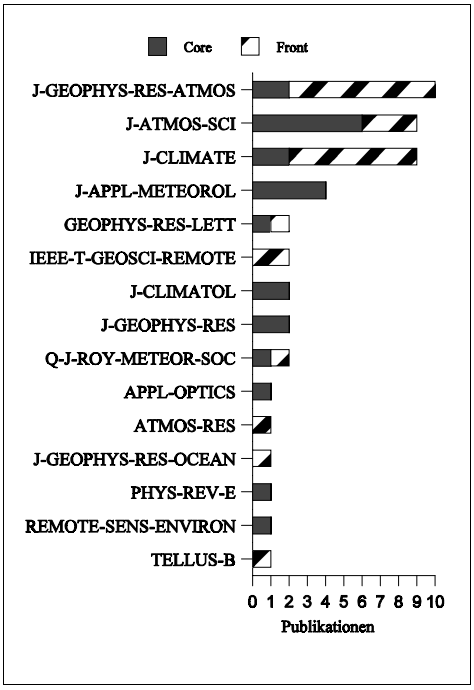
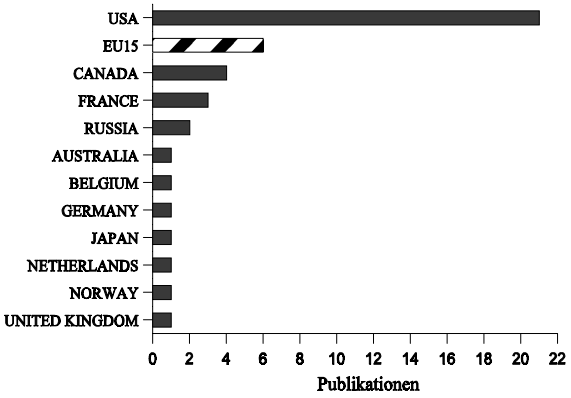


Akteure (Forschungsfront)

Institutionen

10 NASA, USA
5 UNIV-CALIF-SAN-DIEGO, USA
3 NATL-CTR-ATMOSPHER-RES, USA
3 UNIV-ALABAMA, USA
2 ATMOSPHER-ENVIRONM-SERV, CANADA
2 COLORADO-STATE-UNIV, USA
2 MCGILL-UNIV, CANADA
2 OREGON-STATE-UNIV, USA
2 SANDIA-NATL-LABS, USA
2 SUNY-STONY-BROOK, USA
2 UNIV-ARIZONA, USA
(und weitere 26 Institutionen)

Lände



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

11 Marshak-A Davis-A Cahalan-RF Wiscombe-W
Nonlocal Independent Pixel Approximation - Direct and Inverse Problems

10 Barker-HW Wielicki-BA
Parameterizing Grid-Averaged Longwave Fluxes for Inhomogeneous Marine Boundary-Layer Clouds

8 Marshak-A Davis-A Wiscombe-W Ridgway-W Cahalan-R
Biases in Shortwave Column Absorption in the Presence of Fractal Clouds

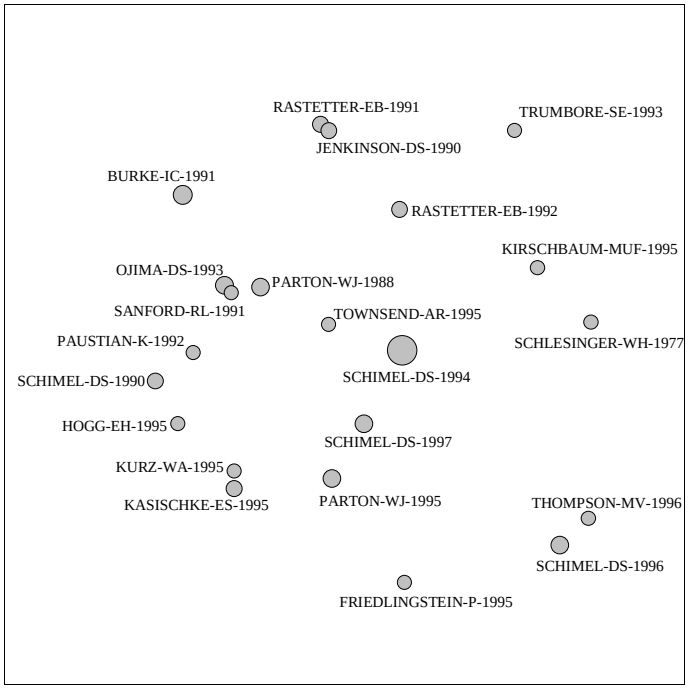
8 Oreopoulos-L Davies-R
Plane-Parallel Albedo Biases from Satellite-Observations - Part I - Dependence on Resolution and Other Factors

8 Valero-FPJ Cess-RD Zhang-MH Pope-SK Bucholtz-A Bush-B Vitko-J
Absorption of Solar-Radiation by the Cloudy Atmosphere - Interpretations of Collocated Aircraft Measurements

HDS 21: Simulating Carbon Dynamics

22 Kernpublikationen / 21 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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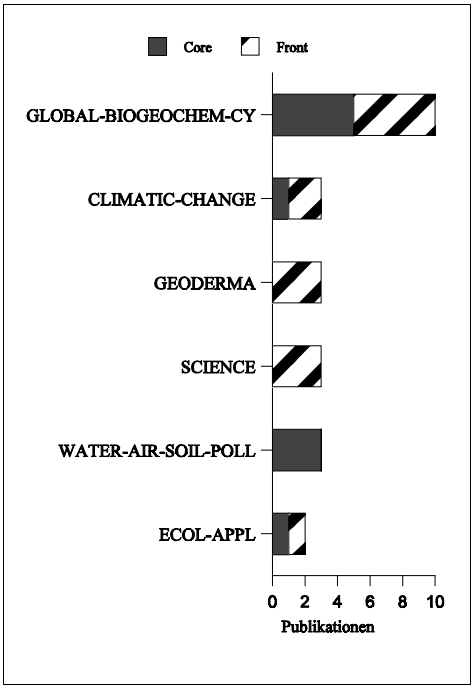
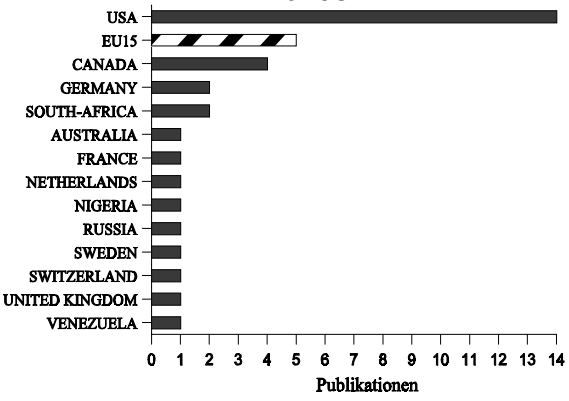


Akteure (Forschungsfront)

Institutionen

5 COLORADO-STATE-UNIV, USA
4 NATL-CTR-ATMOSPHER-RES, USA
3 STANFORD-UNIV, USA
3 UNIV-NEW-HAMPSHIRE, USA
2 CARNEGIE-INST-WASHINGTON, USA
2 MARINE-BIOL-LAB, USA
2 NASA, USA
2 NAT-RESOURCES-CANADA, CANADA
2 UNIV-CALIF-BERKELEY, USA
(und weitere 38 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

16 Peng-CH Apps-MJ
Simulating Carbon Dynamics Along the Boreal Forest Transect Case-Study (Bftcs) in Central Canada - 2 - Sensitivity to Climate-Change

12 Peng-CH Apps-MJ Price-DT Nalder-IA Halliwell-DH
Simulating Carbon Dynamics Along the Boreal-Forest-Transect Case-Study (Bftcs) in Central Canada - 1 - Model Testing

7 Bolker-BM Pacala-SW Parton-WJ
Linear-Analysis of Soil Decomposition - Insights from the Century Model

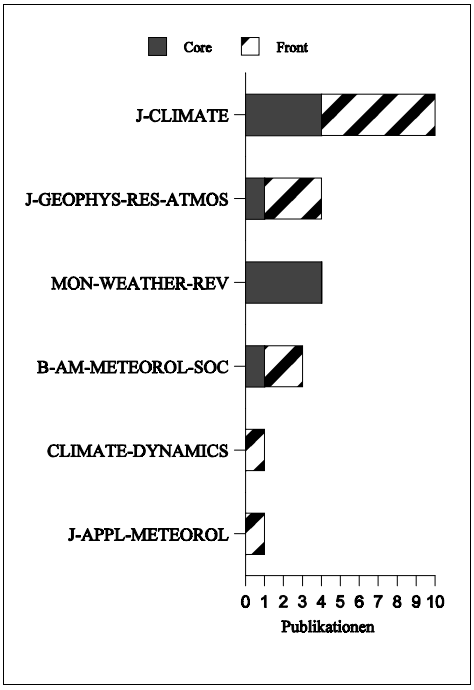
7 Paustian-K Levine-E Post-WM Ryzhova-IM
The Use of Models to Integrate Information and Understanding of Soil-C at the Regional-Scale

HDS 22: Regional Moisture Fluxes

11 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

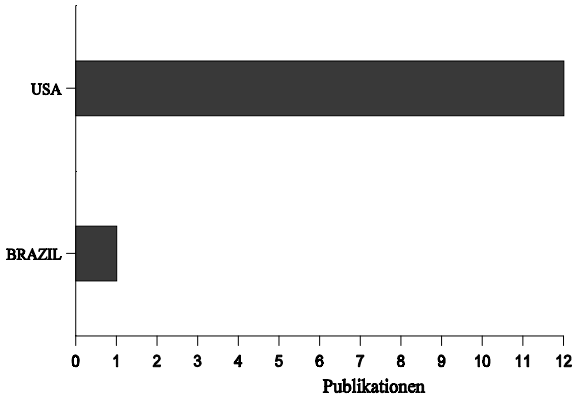


Akteure (Forschungsfront)

Institutionen

4 NOAA, USA
2 NATL-CTR-ATMOSPHER-RES, USA
1 BATTELLE-MEM-INST, USA
1 INST-NACL-PESQUISAS-ESPACIAIS, BRAZIL
1 IOWA-STATE-UNIV-SCI-&-TECHNOL, USA
1 MIT, USA
1 NASA, USA
1 NATL-CTR-ENVIRONM-PREDICT, USA
1 OHIO-STATE-UNIV, USA
1 RES-&-DATA-SYST-CORP, USA
1 UNIV-CALIF-SAN-DIEGO, USA
1 UNIV-MISSOURI, USA
1 UNIV-SPACE-RES-ASSOC, USA
1 UNIV-UTAH, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Min-W Schubert-S
The Climate Signal in Regional Moisture Fluxes - A Comparison of 3 Global Data Assimilation Products

7 Yeh-PJF Irizarry-M Eltahir-EAB
Hydroclimatology of Illinois - A Comparison of Monthly Evaporation Estimates Based on Atmospheric Water-Balance and Soil-Water Balance

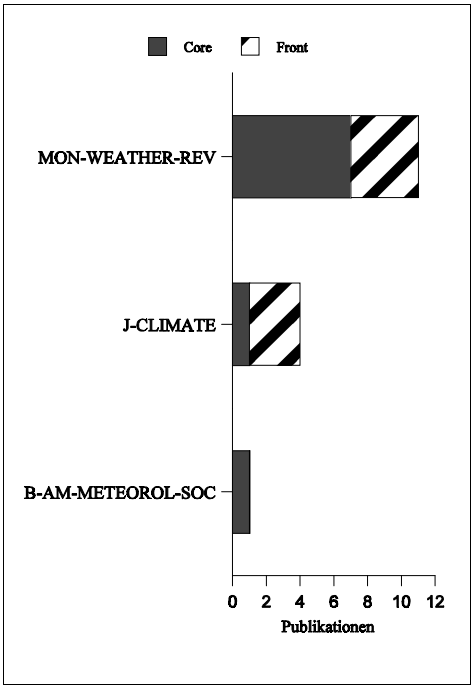
6 Gutowski-WJ Chen-YB Otles-Z
Atmospheric Water-Vapor Transport in Ncep-NCAR Reanalyses - Comparison with River Discharge in the Central United-States

HDS 23: Semi-Lagrangian vs Eulerian Polar Climate Simulations

11 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

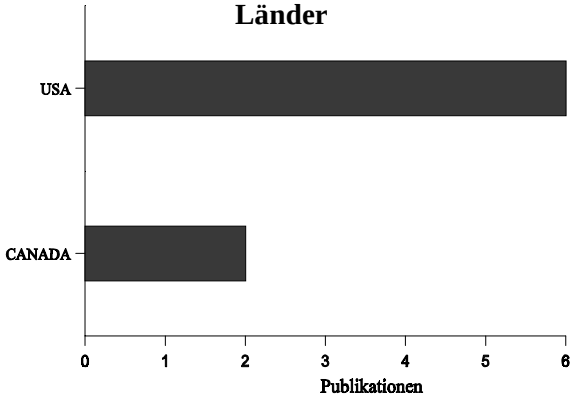


Akteure (Forschungsfront)

Institutionen

4 NATL-CTR-ATMOSPHER-RES, USA
2 ATMOSPHER-ENVIRONM-SERV, CANADA
1 MCGILL-UNIV, CANADA
1 NASA, USA
1 SUNY-COLL-BROCKPORT, USA
1 UNIV-CALIF-SAN-DIEGO, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

11 Williamson-DL Olson-JG
A Comparison of Semi-Lagrangian and Eulerian Polar Climate Simulations

10 Williamson-DL Olson-JG Boville-BA
A Comparison of Semi-Lagrangian and Eulerian Tropical Climate Simulations

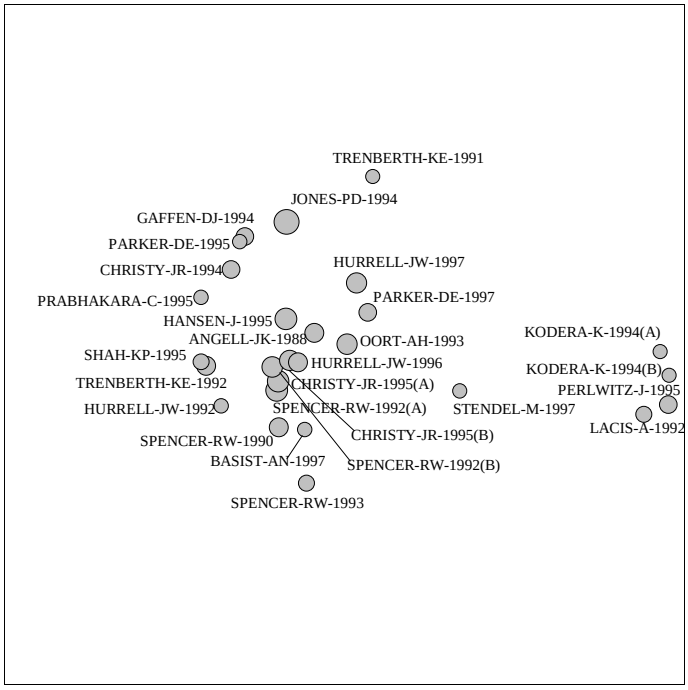
6 Cote-J Gravel-S Methot-A Patoine-A Roch-M Staniforth-A
The Operational CMC-Mrb Global Environmental Multiscale (Gem) Model - Part I - Design Considerations and Formulation

5 Chen-MH Rood-RB Takacs-LL
Impact of a Semi-Lagrangian and an Eulerian Dynamical Core on Climate Simulations

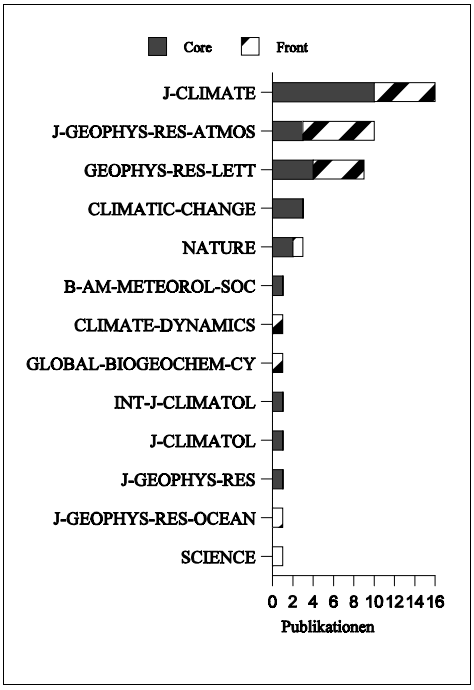
HDS 24: Temperature Trends

27 Kernpublikationen / 23 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



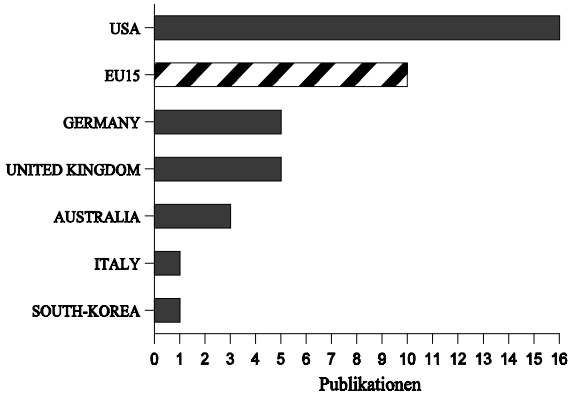
Akteure (Forschungsfront)

Institutionen

5 NASA, USA
4 MAX-PLANCK-INST-METEOROL, GERMANY
4 NATL-CTR-ATMOSPHER-RES, USA
3 UNIV-MARYLAND, USA
2 LAWRENCE-LIVERMORE-NATL-LAB, USA
2 NOAA, USA
2 UNIV-E-ANGLIA, UNITED KINGDOM
2 UNIV-WASHINGTON, USA

(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

21 Hurrell-JW Trenberth-KE
Difficulties in Obtaining Reliable Temperature Trends - Reconciling the Surface and Satellite Microwave Sounding Unit Records

15 Stendel-M Bengtsson-L
Toward Monitoring the Tropospheric Temperature by Means of a General-Circulation Model

14 Christy-JR Spencer-RW Lobl-ES
Analysis of the Merging Procedure for the MSU Daily Temperature Time-Series

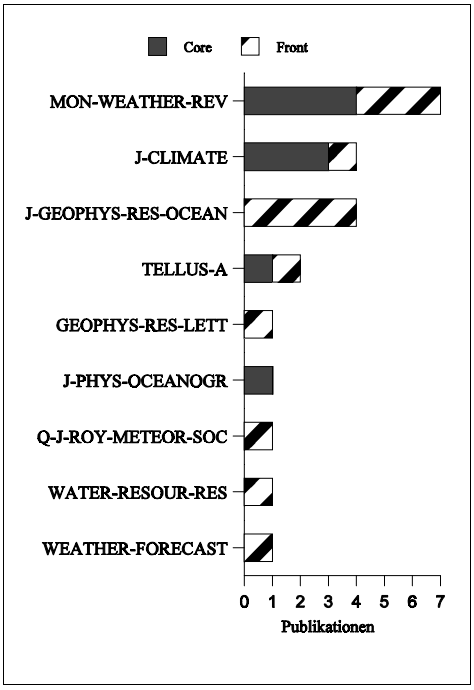
14 Jones-PD Osborn-TJ Wigley-TML Kelly-PM Santer-BD
Comparisons Between the Microwave Sounding Unit Temperature Record and the Surface-Temperature Record from 1979 to 1996 - Real Differences or Potential Discontinuities

HDS 25: ENSO Prediction

9 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



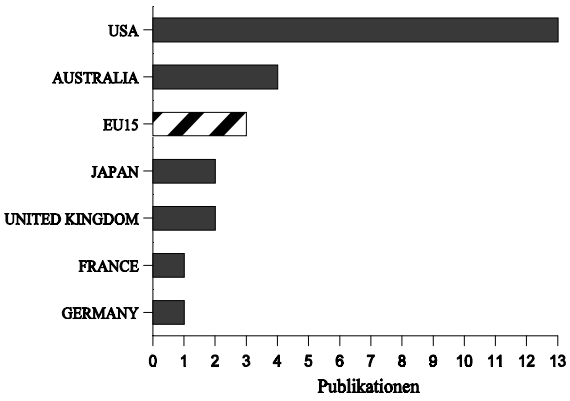
Akteure (Forschungsfront)

Institutionen

5 COLUMBIA-UNIV, USA
5 NOAA, USA
3 BUR-METEOROL, AUSTRALIA
2 CSIRO, AUSTRALIA
2 FLORIDA-STATE-UNIV, USA
2 NASA, USA
2 UNIV-CALIF-SAN-DIEGO, USA

(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Ji-M Behringer-DW Leetmaa-A
An Improved Coupled Model for ENSO Prediction and Implications for Ocean Initialization - Part II - The Coupled Model

8 Latif-M Anderson-D Barnett-T Cane-M Kleeman-R Leetmaa-A Obrien-J Rosati-A Schneider-E
A Review of the Predictability and Prediction of ENSO

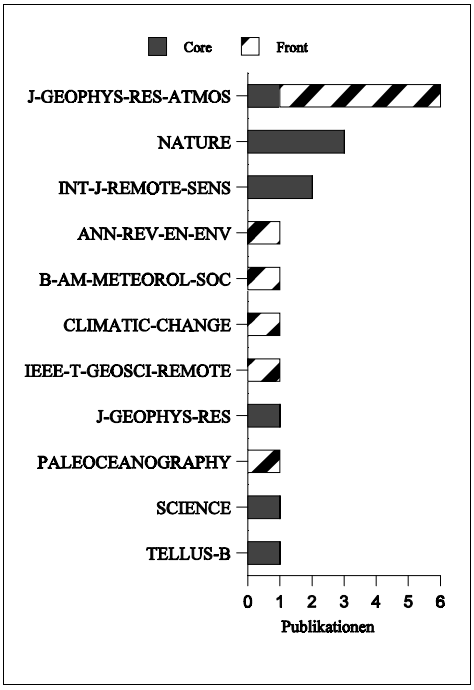
7 Behringer-DW Ji-M Leetmaa-A
An Improved Coupled Model for ENSO Prediction and Implications for Ocean Initialization - Part I - The Ocean Data Assimilation System

HDS 26: Global Size-Dependent Aerosol Transport Model

9 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



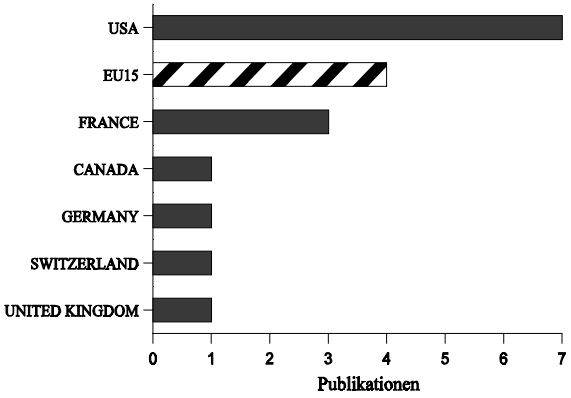
Akteure (Forschungsfront)

Institutionen

4 NASA, USA
2 BOSTON-UNIV, USA
2 UNIV-MICHIGAN, USA

(und weitere 23 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Nicholson-SE Tucker-CJ Ba-MB
Desertification, Drought, and Surface Vegetation - An Example from the West-African Sahel

6 Tegen-I Hollrig-P Chin-M Fung-I Jacob-D Penner-J
Contribution of Different Aerosol Species to the Global Aerosol Extinction Optical-Thickness - Estimates from Model Results

4 Lashof-DA Deangelo-BJ Saleska-SR Harte-J
Terrestrial Ecosystem Feedbacks to Global Climate-Change

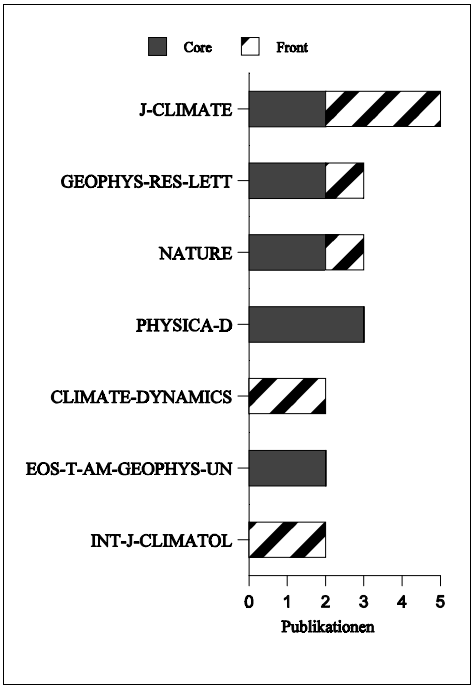
4 Schulz-M Balkanski-YJ Guelle-W Dulac-F
Role of Aerosol-Size Distribution and Source Location in a 3-Dimensional Simulation of a Saharan Dust Episode Tested Against Satellite-Derived Optical-Thickness

HDS 27: Decadal Time-Scale Variability

16 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



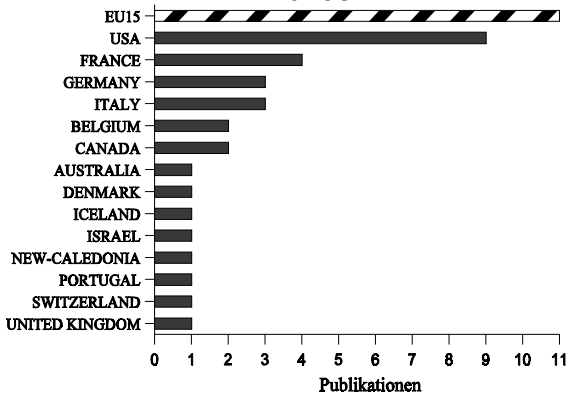
Akteure (Forschungsfront)

Institutionen

2 ECOLE-NORMALE-SUPER, FRANCE
2 UNIV-ARIZONA, USA
2 UNIV-CALIF-LOS-ANGELES, USA
2 UNIV-CATHOLIQUE-LOUVAIN, BELGIUM
2 UNIV-MASSACHUSETTS, USA

(und weitere32 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

13 Moron-V Vautard-R Ghil-M
Trends, Interdecadal and Interannual Oscillations in Global Sea-Surface Temperatures

9 Allen-MR Smith-LA
Optimal Filtering in Singular Spectrum Analysis

9 Dettinger-MD Ghil-M
Seasonal and Interannual Variations of Atmospheric CO2 and Climate

8 Melice-JL Roucou-P
Decadal Time-Scale Variability Recorded in the Quelccaya Summit Ice Core Delta-O-18 Isotopic Ratio Series and Its Relation with the Sea-Surface Temperature

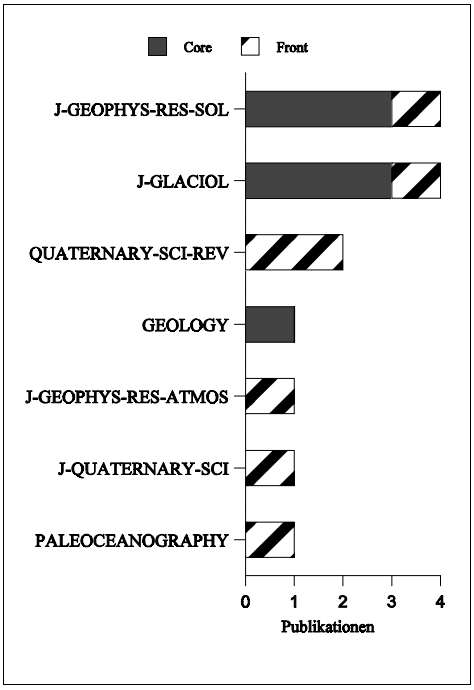
8 Quinn-TM Crowley-TJ Taylor-FW Henin-C Joannot-P Join-Y
A Multicentury Stable-Isotope Record from a New-Caledonia Coral - Interannual and Decadal Sea-Surface Temperature Variability in the Southwest Pacific Since 1657 AD

HDS 28: Deglaciation of a Soft-Bedded Laurentide Ice-Sheet

7 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

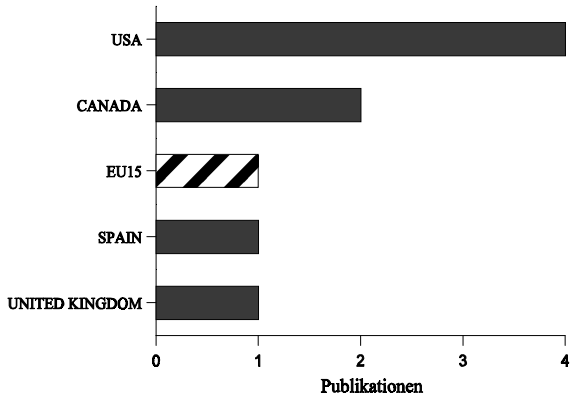


Akteure (Forschungsfront)

Institutionen

2 OREGON-STATE-UNIV, USA
2 PENN-STATE-UNIV, USA
1 LEHIGH-UNIV, USA
1 MATH-INST, UNITED KINGDOM
1 MICHIGAN-STATE-UNIV, USA
1 UNIV-AUTONOMA-MADRID, SPAIN
1 UNIV-BRITISH-COLUMBIA, CANADA
1 UNIV-CHICAGO, USA
1 UNIV-COLORADO, USA
1 UNIV-GUAM, USA
1 UNIV-TORONTO, CANADA
1 UNIV-WASHINGTON, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

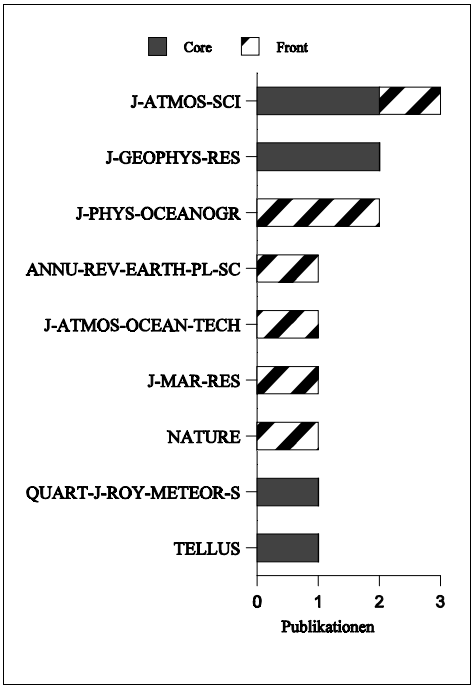
7 Clark-PU Pollard-D
Origin of the Middle Pleistocene Transition by Ice-Sheet Erosion of Regolith
7 Licciardi-JM Clark-PU Jenson-JW Macayeal-DR
Deglaciation of a Soft-Bedded Laurentide Ice-Sheet
4 Alley-RB Cuffey-KM Evenson-EB Strasser-JC Lawson-DE Larson-GJ
How Glaciers Entrain and Transport Basal Sediment - Physical Constraints

HDS 29: Instability of the Ocean Mixed-Layer

7 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

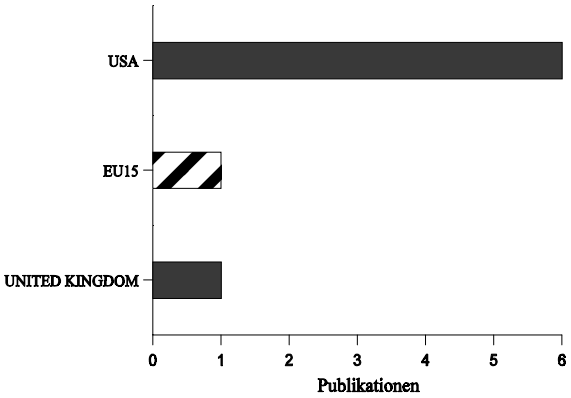


Akteure (Forschungsfront)

Institutionen

6 MIT, USA
1 ATMOSPHER-&-ENVIRONM-RES-INC, USA
1 SOUTHAMPTON-OCEANOG-CTR, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Haine-TWN Marshall-J
Gravitational, Symmetrical, and Baroclinic Instability of the Ocean Mixed-Layer

5 Stammer-D
On Eddy Characteristics, Eddy Transports, and Mean Flow Properties

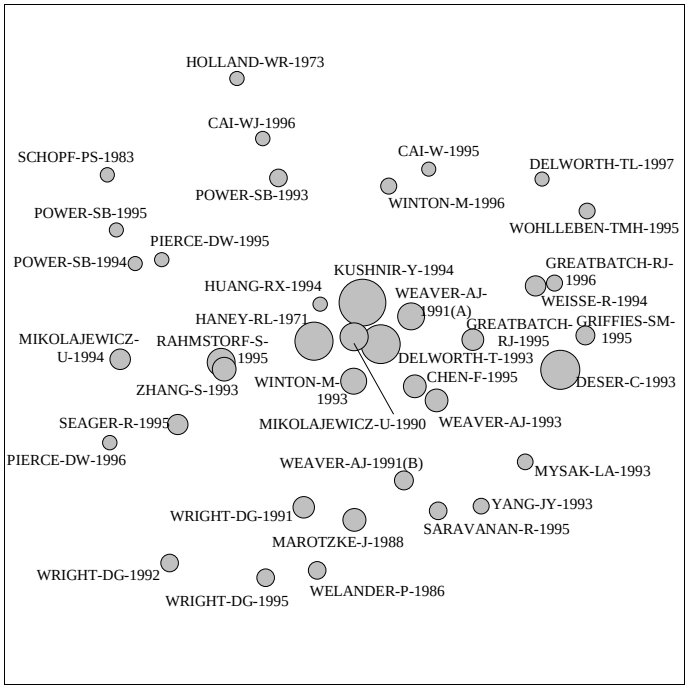
4 Wunsch-C Stammer-D
Satellite Altimetry, the Marine Geoid, and the Oceanic General-Circulation

3 Menemenlis-D Wunsch-C
Linearization of an Oceanic General-Circulation Model for Data Assimilation and Climate Studies

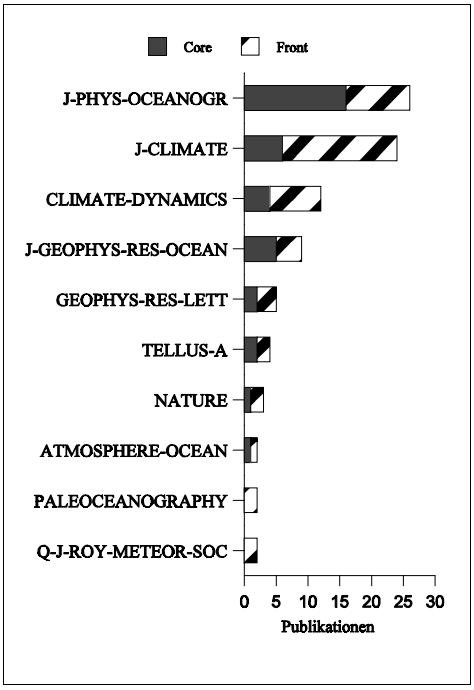
HDS 30: Thermohaline Oscillations

39 Kernpublikationen / 60 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

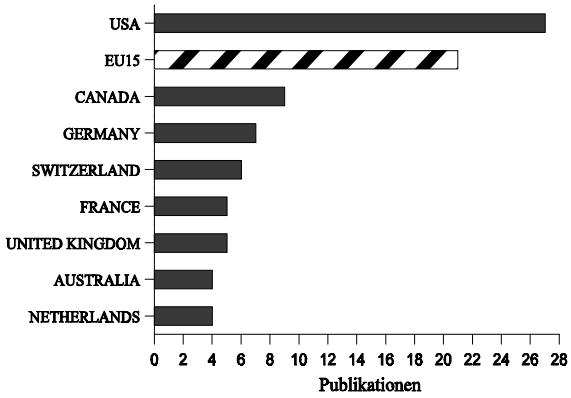


Akteure (Forschungsfront)

Institutionen

6 UNIV-BERN, SWITZERLAND
6 UNIV-CALIF-LOS-ANGELES, USA
5 MAX-PLANCK-INST-METEOROL, GERMANY
5 NATL-CTR-ATMOSPHER-RES, USA
3 CSIRO, AUSTRALIA
3 UNIV-CALIF-SAN-DIEGO, USA
3 UNIV-E-ANGLIA, UNITED KINGDOM
3 UNIV-VICTORIA, CANADA
3 UNIV-WASHINGTON, USA
(und weitere 52 Institutionen)

Länder



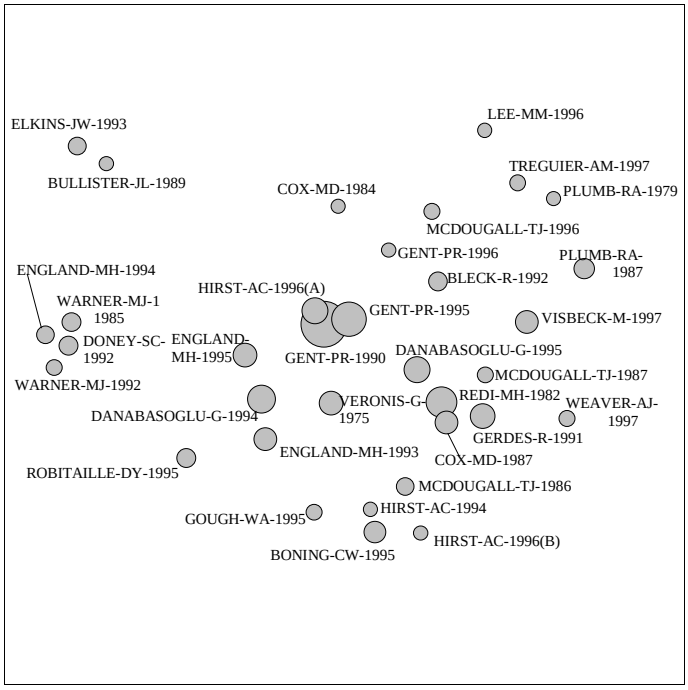
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

14 Cai-WJ Chu-PC
A Thermal Oscillation Under a Restorative Forcing
14 Rivin-I Tziperman-E
Sensitivity of Air-Sea Fluxes to SST Perturbations
14 Saravanan-R Mcwilliams-JC
Stochasticity and Spatial Resonance in Interdecadal Climate Fluctuations
14 Yang-JY Neelin-JD
Sea-Ice Interaction and the Stability of the Thermohaline Circulation

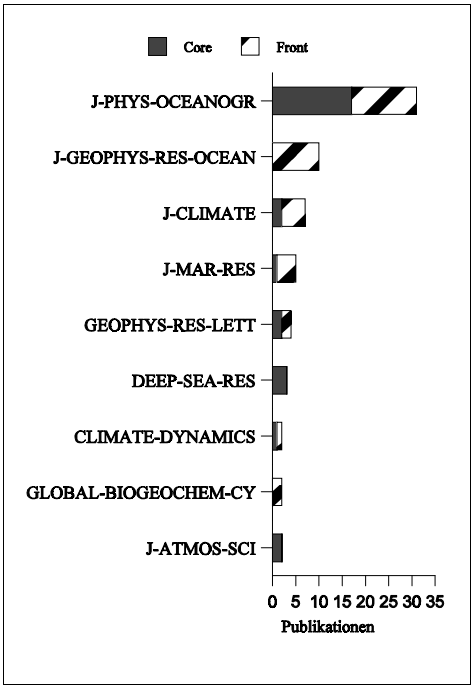
HDS 31: Z-Coordinate Ocean Model

34 Kernpublikationen / 45 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



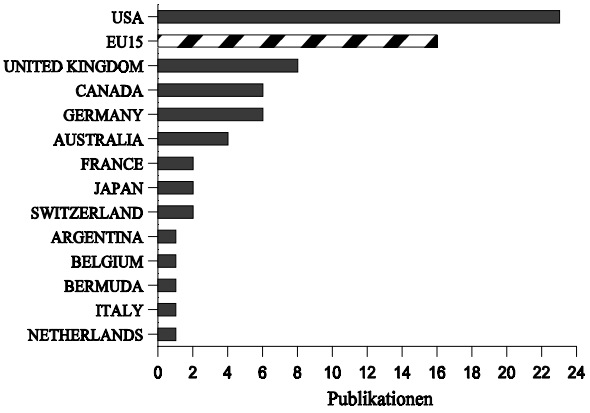
Akteure (Forschungsfront)

Institutionen

9 NATL-CTR-ATMOSPHER-RES, USA
4 NOAA, USA
3 CSIRO, AUSTRALIA
3 MAX-PLANCK-INST-METEOROL, GERMANY
3 PRINCETON-UNIV, USA

(und weitere 41 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

18 England-MH Holloway-G
Simulations of CFC Content and Water Mass Age in the Deep North-Atlantic

18 Hirst-AC Mcdougall-TJ
Meridional Overturning and Dianeutral Transport in a Z-Coordinate Ocean Model Including Eddy-Induced Advection

17 Griffies-SM Gnanadesikan-A Pacanowski-RC Larichev-VD Dukowicz-JK Smith-RD
Isoneutral Diffusion in a Z-Coordinate Ocean Model

16 Griffies-SM
The Ghent-Mcwilliams Skew Flux

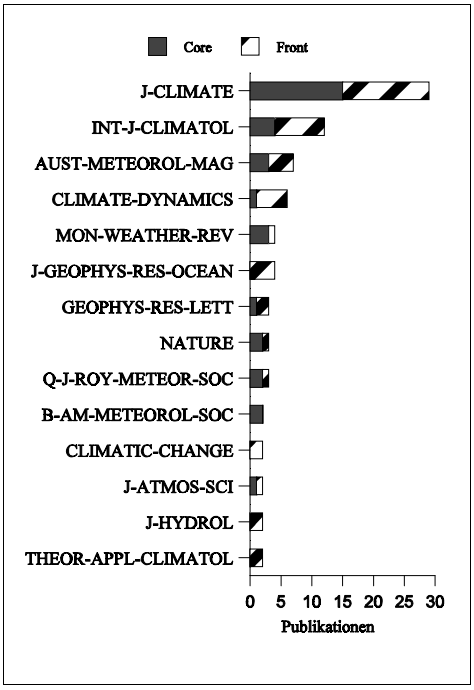
14 Gough-WA
Isopycnic Mixing and Convective Adjustment in an Ocean General-Circulation Model

HDS 32: Potential Seasonal Predictability

40 Kernpublikationen / 52 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



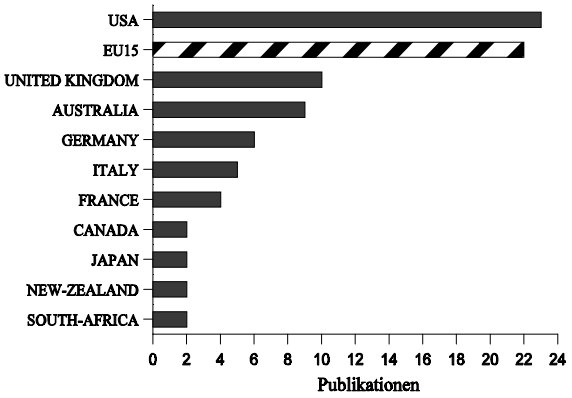
Akteure (Forschungsfront)

Institutionen

7 NOAA, USA
4 CNR, ITALY
3 BUR-METEOROL, AUSTRALIA
3 COLUMBIA-UNIV, USA
3 MIT, USA
3 NATL-CTR-ATMOSPHER-RES, USA
3 UK-METEOROL-OFF, UNITED KINGDOM
3 UNIV-CALIF-LOS-ANGELES, USA
3 UNIV-COLORADO, USA
3 UNIV-OKLAHOMA, USA

(und weitere 62 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

22 Moron-V Navarra-A Ward-MN Roeckner-E
Skill and Reproducibility of Seasonal Rainfall Patterns in the Tropics in Echam-4 GCM Simulations with Prescribed SST

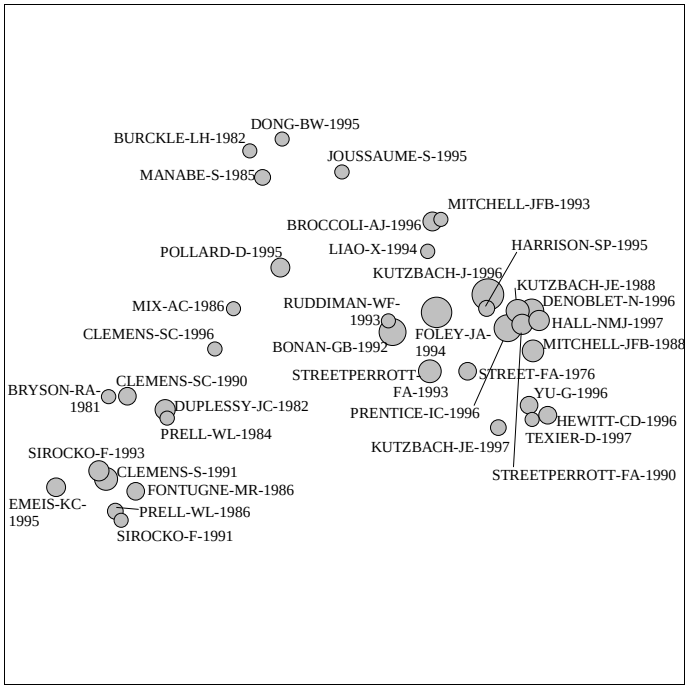
16 Liu-ZJ Valdes-JB Entekhabi-D
Merging and Error Analysis of Regional Hydrometeorologic Anomaly Forecasts Conditioned on Climate Precursors

16 Rowell-DP
Assessing Potential Seasonal Predictability with an Ensemble of Multidecadal GCM Simulations

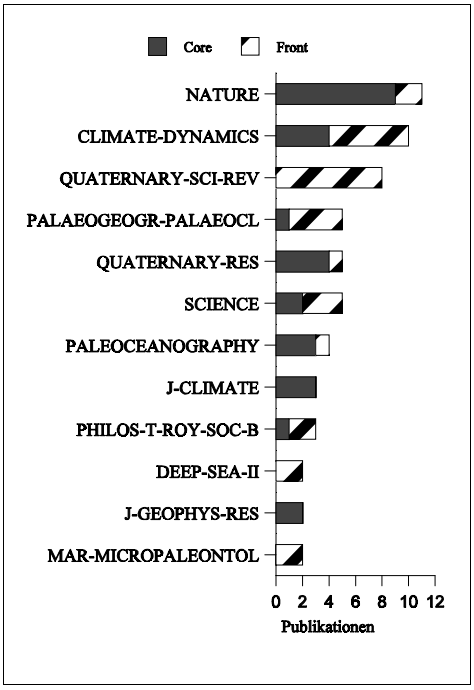
HDS 33: Biosphere-Atmosphere Feedbacks in Climate-Change

37 Kernpublikationen / 46 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



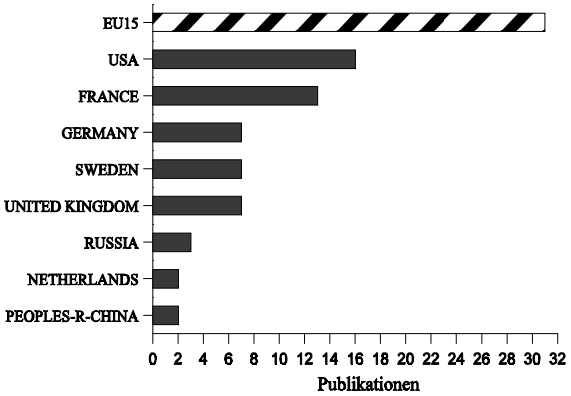
Akteure (Forschungsfront)

Institutionen

7 LUND-UNIV, SWEDEN
4 UNIV-WISCONSIN, USA
3 NATL-CTR-ATMOSPHER-RES, USA
3 POTSDAM-INST-KLIMAFOLGENFORSCH, GERMANY

(und weitere 59 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

17 Texier-D Denoblet-N Harrison-SP Haxeltine-A Jolly-D Joussaume-S Laarif-F Prentice-IC Tarasov-P
Quantifying the Role of Biosphere-Atmosphere Feedbacks in Climate-Change - Coupled Model Simulations for 6000 Years Bp and Comparison with Palaeodata for Northern Eurasia and Northern Africa

14 Kutzbach-J Gallimore-R Harrison-S Behling-P Selin-R Laarif-F
Climate and Biome Simulations for the Past 21,000 Years

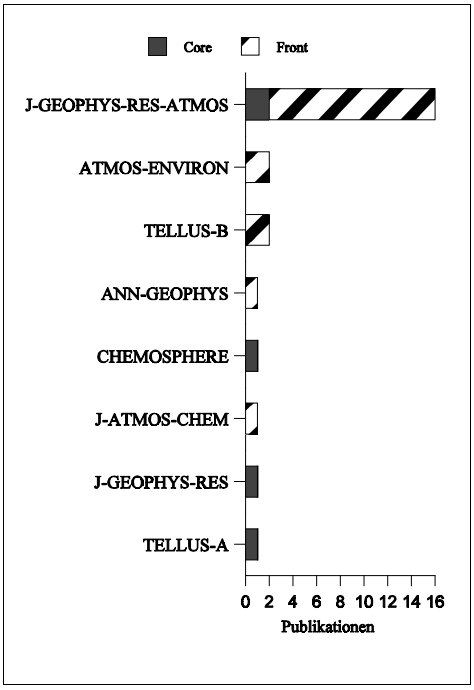
13 Hoelzmann-P Jolly-D Harrison-SP Laarif-F Bonnefille-R Pachur-HJ
Midholocene Land-Surface Conditions in Northern Africa and the Arabian Peninsula - A Data Set for the Analysis of Biogeophysical Feedbacks in the Climate System

HDS 34: Simulation of Tropospheric O-3-NOx-Hydrocarbon Chemistry

5 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

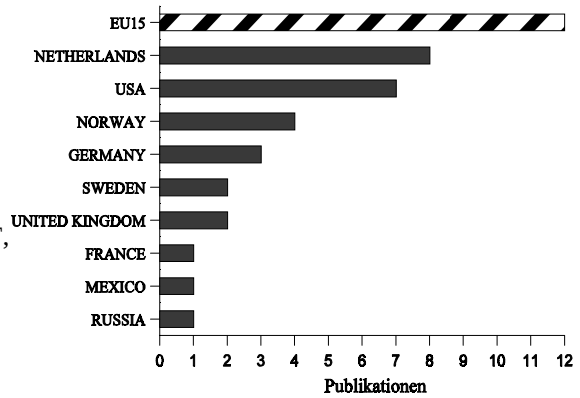


Akteure (Forschungsfront)

Institutionen

4 UNIV-OSLO, NORWAY
3 HARVARD-UNIV, USA
3 ROYAL-NETHERLANDS-METEOROL-INST, NETHERLANDS
3 UNIV-UTRECHT, NETHERLANDS
2 CTR-INT-CLIMATE-&-ENVIRONM-RES, NORWAY
2 INST-MARINE-&-ATMOSPHER-RES-UTRECHT, NETHERLANDS
2 MAX-PLANCK-INST-CHEM, GERMANY
2 UNIV-STOCKHOLM, SWEDEN
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Wang-YH Logan-JA Jacob-DJ
Global Simulation of Tropospheric O-3-NOx-Hydrocarbon Chemistry 2 - Model Evaluation and Global Ozone Budget

4 Berntsen-TK Isaksen-ISA
A Global 3-Dimensional Chemical-Transport Model for the Troposphere .1. Model Description and Co and Ozone Results

4 Wang-YH Jacob-DJ Logan-JA
Global Simulation of Tropospheric O-3-NOx-Hydrocarbon Chemistry 3 - Origin of Tropospheric Ozone and Effects of Nonmethane Hydrocarbons

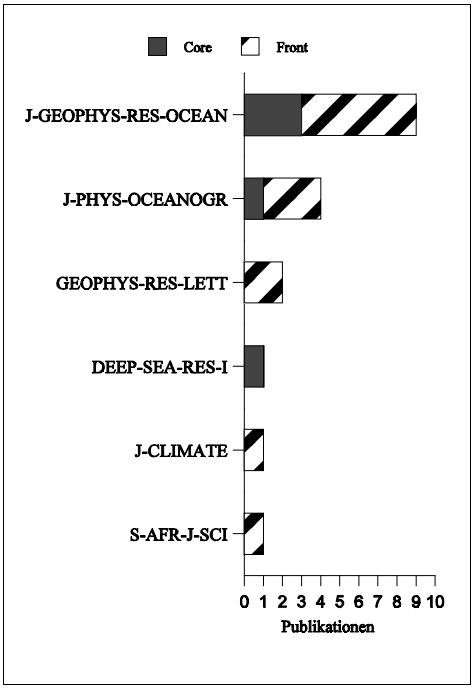
4 Wauben-WMF Fortuin-JPF Vanvelthoven-PFJ Kelder-HM
Comparison of Modeled Ozone Distributions with Sonde and Satellite-Observations

HDS 35: Indonesian Throughflow

5 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

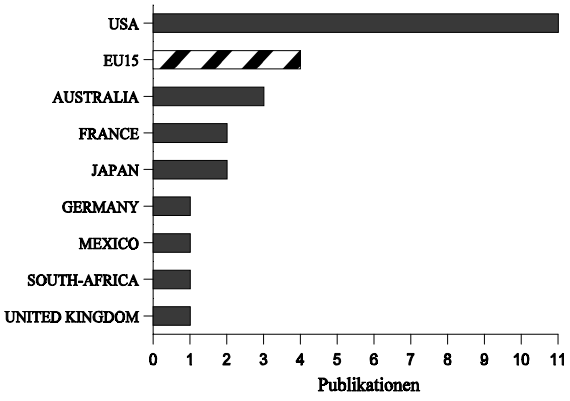


Akteure (Forschungsfront)

Institutionen

3 NASA, USA
3 UNIV-CALIF-SAN-DIEGO, USA
2 CALTECH, USA
2 CSIRO, AUSTRALIA
2 NATL-CTR-ATMOSPHER-RES, USA
2 NOAA, USA
2 UNIV-CALIF-LOS-ANGELES, USA
2 UNIV-HAWAII, USA
2 UNIV-MARYLAND, USA
2 UNIV-S-FLORIDA, USA
2 UNIV-WASHINGTON, USA
(und weitere 15 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Murtugudde-R Busalacchi-AJ Beauchamp-J
Seasonal-to-Interannual Effects of the Indonesian Throughflow on the Tropical Indo-Pacific Basin

4 Gordon-AL Ma-SB Olson-DB Hacker-P Ffield-A Talley-LD Wilson-D Baringer-M
Advection and Diffusion of Indonesian Throughflow Water Within the Indian-Ocean South Equatorial Current

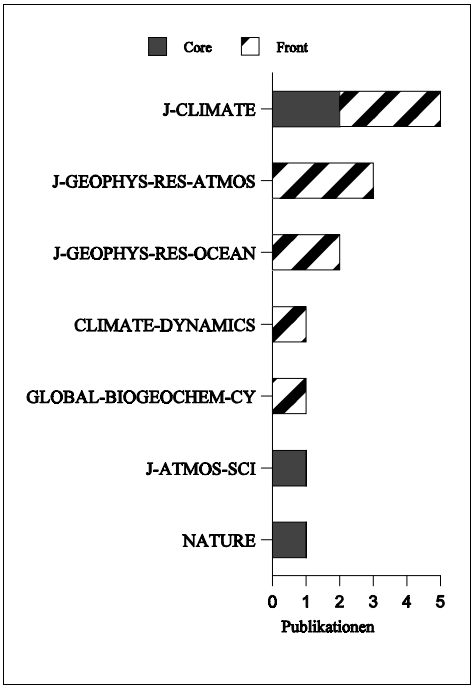
4 Potemra-JT Lukas-R Mitchum-GT
Large-Scale Estimation of Transport from the Pacific to the Indian-Ocean

HDS 36: Response of Tropical Climatology to Global Warming

5 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



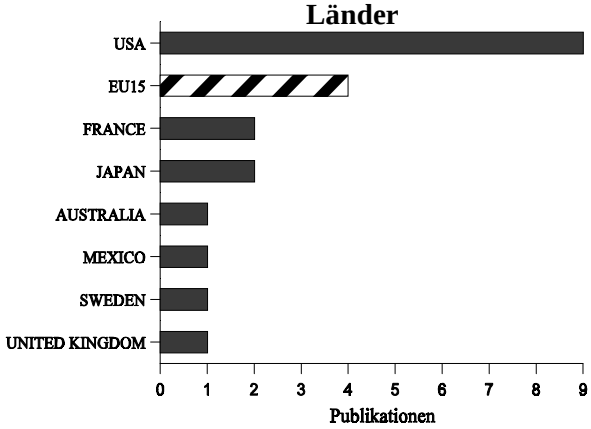
Akteure (Forschungsfront)

Institutionen

3 UNIV-CALIF-SAN-DIEGO, USA

(und weitere 25 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

5 Gershunov-A Michaelsen-J Gautier-C
Large-Scale Coupling Between the Tropical Greenhouse-Effect and Latent-Heat Flux via Atmospheric Dynamics

4 Broecker-WS
Mountain Glaciers - Recorders of Atmospheric Water-Vapor Content

4 Collins-WD Wang-JY Kiehl-JT Zhang-GJ Cooper-DI Eichinger-WE
Comparison of Tropical Ocean-Atmosphere Fluxes with the NCAR Community Climate Model Ccm3

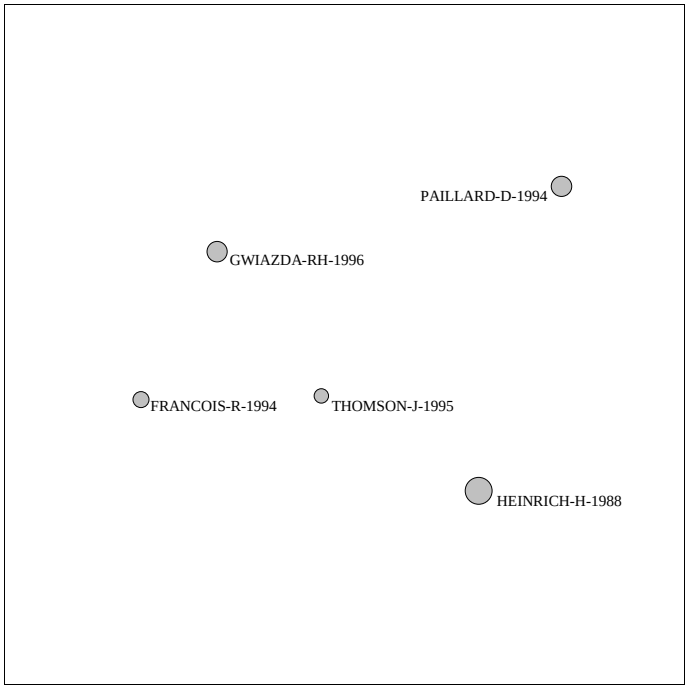
4 Liu-ZY
The Role of Ocean in the Response of Tropical Climatology to Global Warming - The West-East SST Contrast

4 Webster-PJ Magana-VO Palmer-TN Shukla-J Tomas-RA Yanai-M Yasunari-T
Monsoons - Processes, Predictability, and the Prospects for Prediction

HDS 37: Thermohaline Instability in the North-Atlantic

5 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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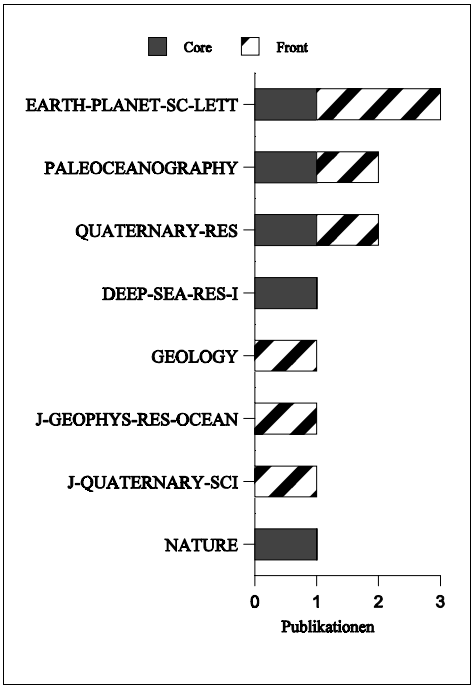
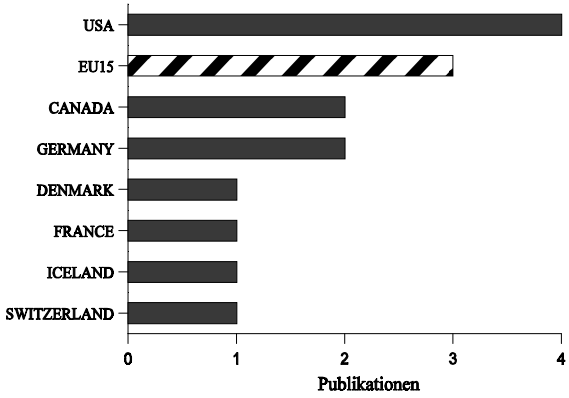


Akteure (Forschungsfront)

Institutionen

2 CHRISTIAN-ALBRECHTS-UNIV-KIEL, GERMANY
2 GEOMAR, GERMANY
1 BUNDESANSTALT-GEOWISSENSCH-&-ROHSTOFFE, GERMANY
1 COLUMBIA-UNIV, USA
1 CTR-ETUD-SACLAY, FRANCE
1 MCGILL-UNIV, CANADA
1 UNIV-BERN, SWITZERLAND
1 UNIV-COLORADO, USA
1 UNIV-COPENHAGEN, DENMARK
1 UNIV-FLORIDA, USA
1 UNIV-NEW-HAMPSHIRE, USA
1 UNIV-QUEBEC, CANADA
1 UNIV-REYKJAVIK, ICELAND
1 WOODS-HOLE-OCEANOG-INST, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Andrews-JT
Abrupt Changes (Heinrich Events) in Late Quaternary North-Atlantic Marine Environments - A History and Review of Data and Concepts

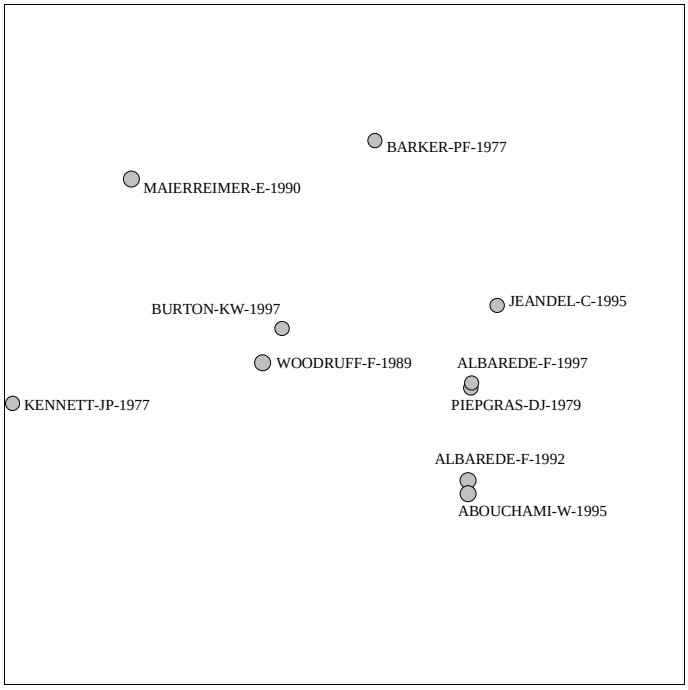
5 Zahn-R Schonfeld-J Kudrass-HR Park-MH Erlenkeuser-H Grootes-P
Thermohaline Instability in the North-Atlantic During Meltwater Events - Stable-Isotope and Ice-Rafted Detritus Records from Core So75-26Kl, Portuguese Margin

4 Mcmanus-JF Anderson-RF Broecker-WS Fleisher-MQ Higgins-SM
Radiometrically Determined Sedimentary Fluxes in the Subpolar North-Atlantic During the Last 140,000 Years

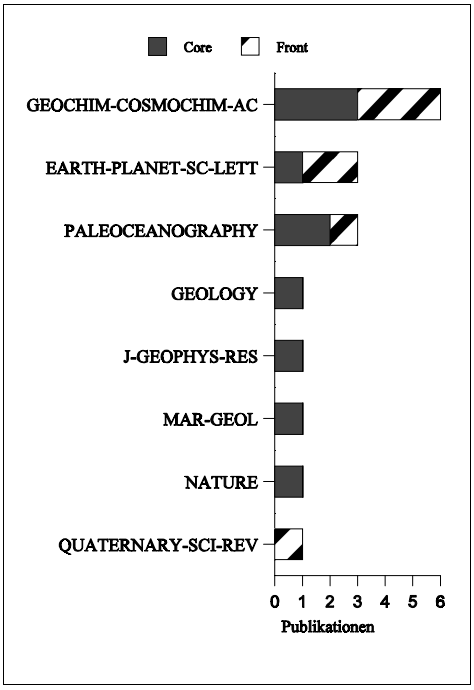
HDS 38: Secular Variation of Nd and Pb Isotopes

10 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

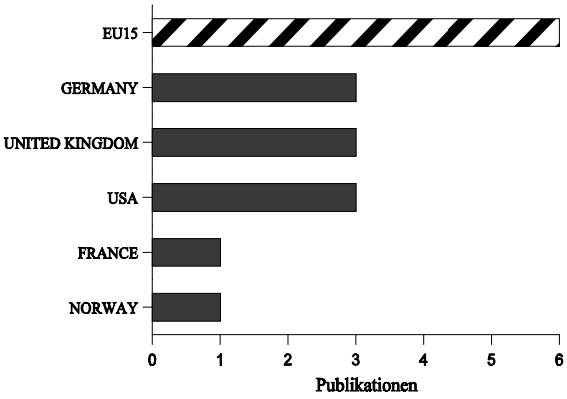


Akteure (Forschungsfront)

Institutionen

3 UNIV-OXFORD, UNITED KINGDOM
1 ALFRED-WEGENER-INST-POLAR-&-MARINE-RES, GERMANY
1 CNRS, FRANCE
1 GEOMAR-FORSCHUNGSZENTRUM-MARINE-GEOWISSENSCH, GERMANY
1 HEIDELBERGER-AKAD-WISSENSCH, GERMANY
1 MAX-PLANCK-INST-CHEM, GERMANY
1 MAX-PLANCK-INST-METEOROL, GERMANY
1 OPEN-UNIV, UNITED KINGDOM
1 TEXAS-A&M-UNIV, USA
1 UNIV-BREMEN, GERMANY
1 UNIV-CAMBRIDGE, UNITED KINGDOM
1 UNIV-GOTTINGEN, GERMANY
1 UNIV-OSLO, NORWAY
1 UNIV-WISCONSIN, USA
1 US-GEOL-SURVEY, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Abouchami-W Goldstein-SL Galer-SJG Eisenhauer-A Mangini-A
Secular Changes of Lead and Neodymium in Central Pacific Seawater Recorded by a Fe-Mn Crust

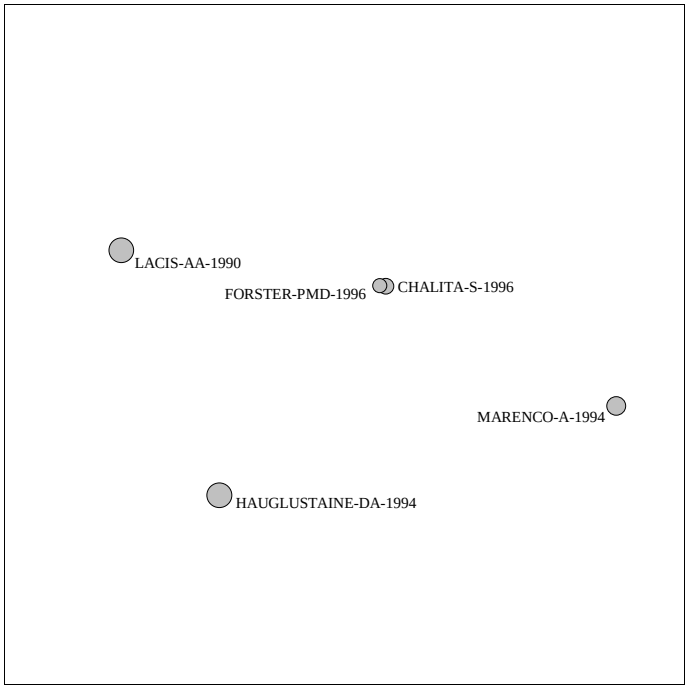
9 Onions-RK Frank-M Vonblanckenburg-F Ling-HF
Secular Variation of Nd and Pb Isotopes in Ferromanganese Crusts from the Atlantic, Indian and Pacific Oceans

8 Frank-M Onions-RK
Sources of Pb for Indian-Ocean Ferromanganese Crusts - A Record of Himalayan Erosion

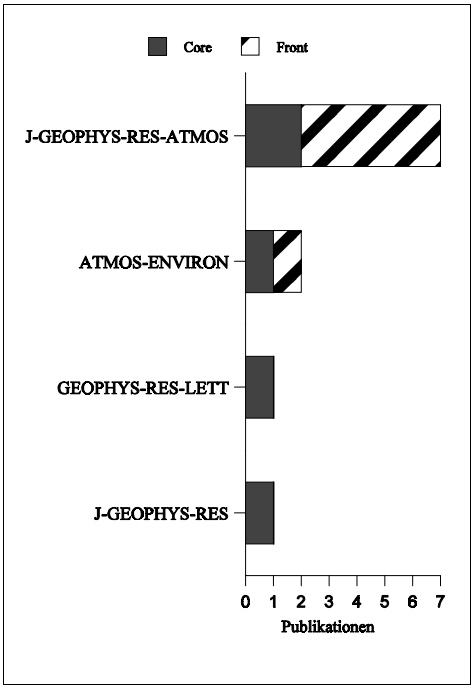
HDS 39: Anthropogenically Derived Tropospheric Ozone

5 Kernpublikationen / 6 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



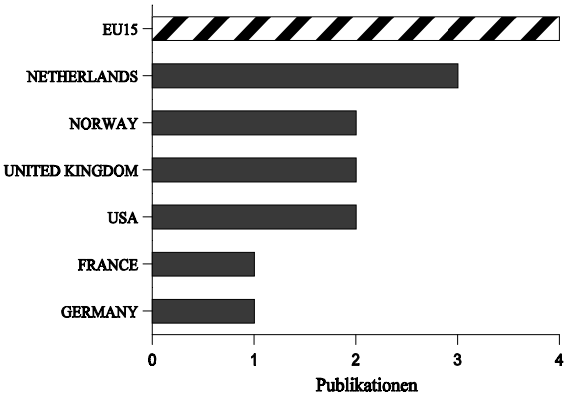
Akteure (Forschungsfront)

Institutionen

2 ROYAL-NETHERLANDS-METEOROL-INST, NETHERLANDS
2 UNIV-OSLO, NORWAY

(und weitere 25 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Berntsen-TK Isaksen-ISA Myhre-G Fuglestvedt-JS Stordal-F Larsen-TA Freckleton-RS Shine-KP
Effects of Anthropogenic Emissions on Tropospheric Ozone and Its Radiative Forcing

5 Haywood-JM Schwarzkopf-MD Ramaswamy-V
Estimates of Radiative Forcing Due to Modeled Increases in Tropospheric Ozone

5 Roelofs-GJ Lelieveld-J Vandorland-R
A 3-Dimensional Chemistry General-Circulation Model Simulation of Anthropogenically Derived Ozone in the Troposphere and Its Radiative Climate Forcing

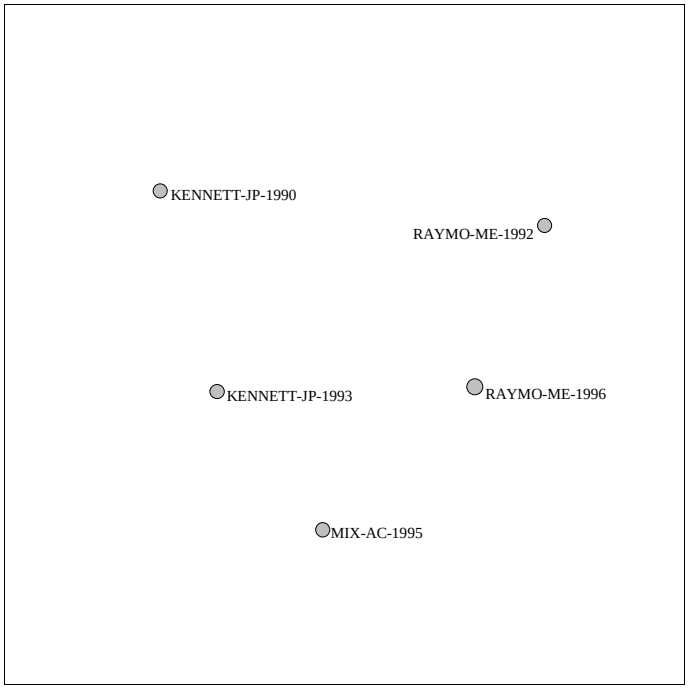
4 Brasseur-GP Cox-RA Hauglustaine-D Isaksen-I Lelieveld-J Lister-DH Sausen-R Schumann-U Wahner-A Wiesen-P
European Scientific Assessment of the Atmospheric Effects of Aircraft Emissions

3 Vandorland-R Dentener-FJ Lelieveld-J
Radiative Forcing Due to Tropospheric Ozone and Sulfate Aerosols

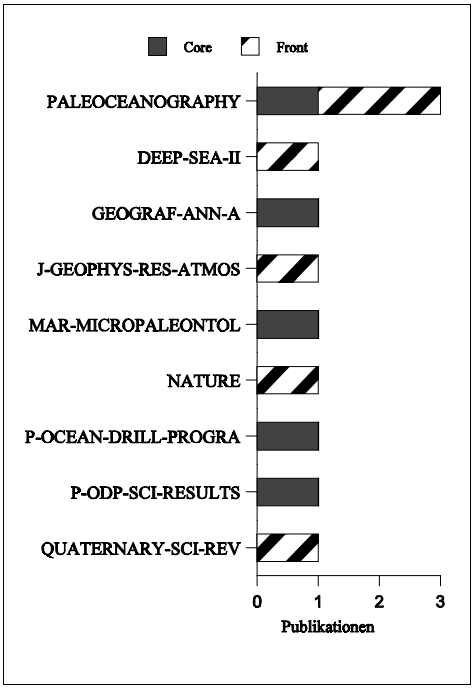
HDS 40: Early Pliocene Deep-Water Circulation

5 Kernpublikationen / 6 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

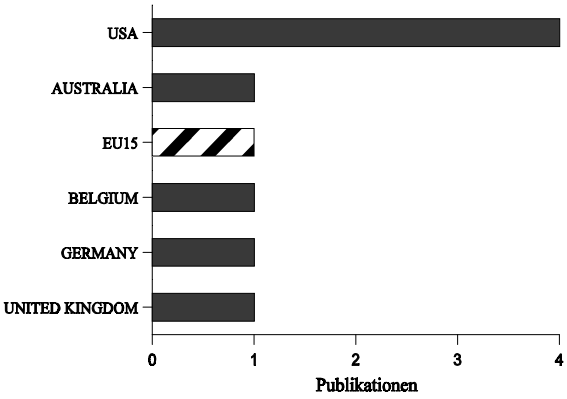


Akteure (Forschungsfront)

Institutionen

2 UNIV-CALIF-SANTA-CRUZ, USA
1 AUSTRALIAN-MUSEUM, AUSTRALIA
1 CHRISTIAN-ALBRECHTS-UNIV-KIEL, GERMANY
1 ENVIRONM-DEF-FUND, USA
1 NASA, USA
1 UNIV-CATHOLIQUE-LOUVAIN, BELGIUM
1 UNIV-COLL-LONDON, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

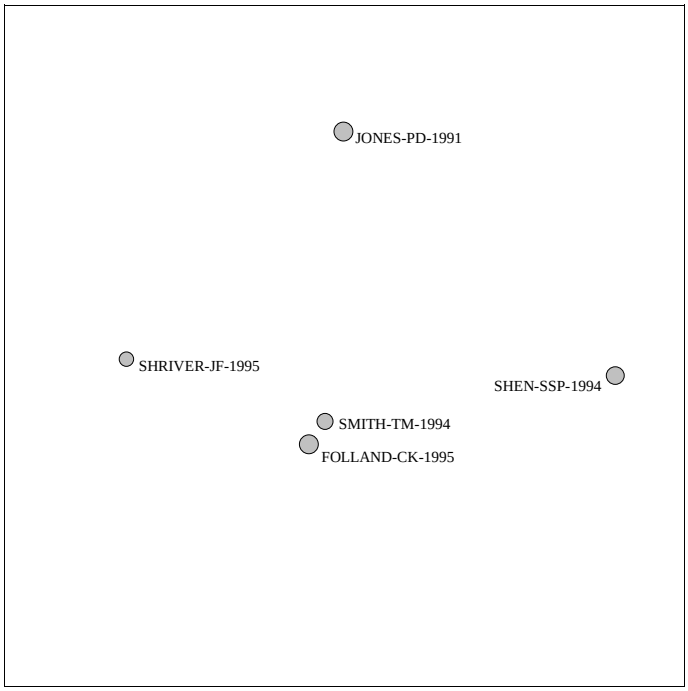
4 Billups-K Ravelo-AC Zachos-JC
Early Pliocene Deep-Water Circulation in the Western Equatorial Atlantic - Implications for High-Latitude Climate-Change

3 Cannariato-KG Ravelo-AC
Pliocene-Pleistocene Evolution of Eastern Tropical Pacific Surface-Water Circulation and Thermocline Depth

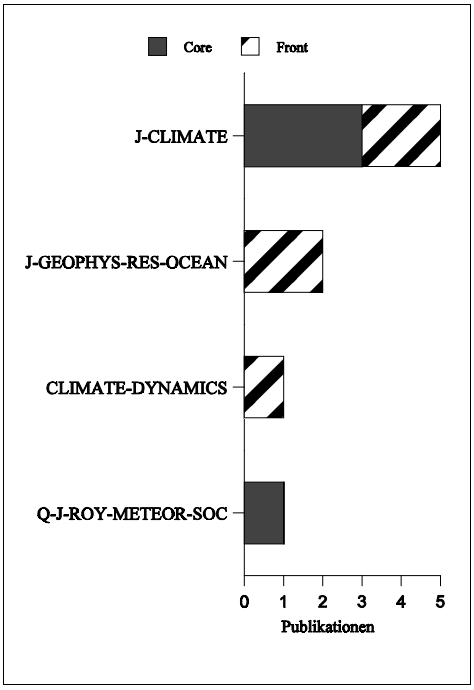
HDS 41: Large-Scale Temperature Averages

5 Kernpublikationen / 5 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

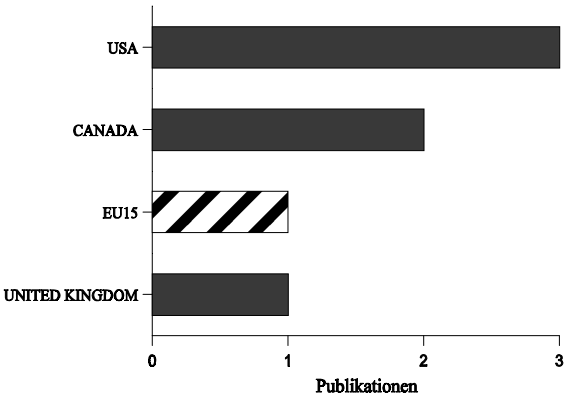


Akteure (Forschungsfront)

Institutionen

2 COLUMBIA-UNIV, USA
2 UNIV-ALBERTA, CANADA
1 CANADIAN-CTR-CLIMATE-MODELLING-&-ANAL, CANADA
1 NOAA, USA
1 UNIV-E-ANGLIA, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Kaplan-A Kushnir-Y Cane-MA Blumenthal-MB
Reduced Space Optimal Analysis for Historical Data Sets - 136 Years of Atlantic Sea-Surface Temperatures

4 Jones-PD Osborn-TJ Briffa-KR
Estimating Sampling Errors in Large-Scale Temperature Averages

4 Kaplan-A Cane-MA Kushnir-Y Clement-AC Blumenthal-MB Rajagopalan-B
Analyses of Global Sea-Surface Temperature 1856-1991

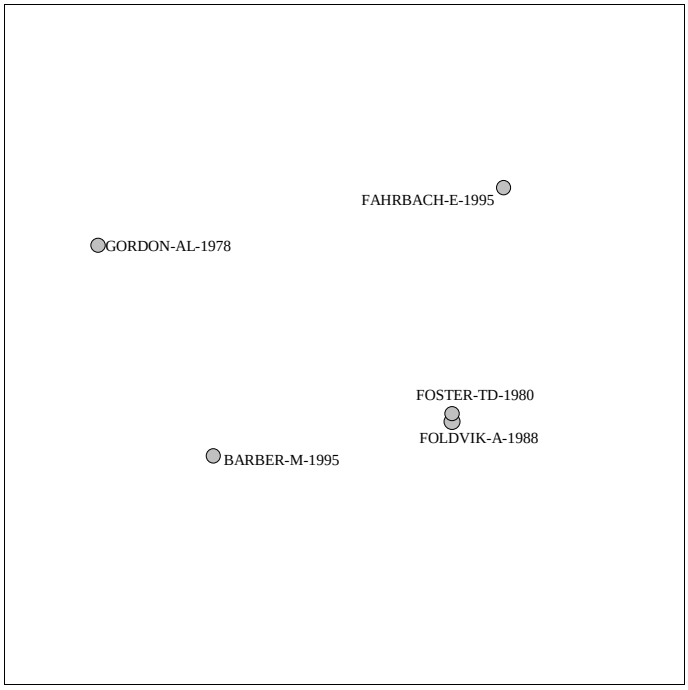
3 Smith-TM Livezey-RE Shen-SS
An Improved Method for Analyzing Sparse and Irregularly Distributed SST Data on a Regular Grid - The Tropical Pacific-Ocean

2 Zwiers-FW Shen-SS
Errors in Estimating Spherical Harmonic Coefficients from Partially Sampled GCM Output

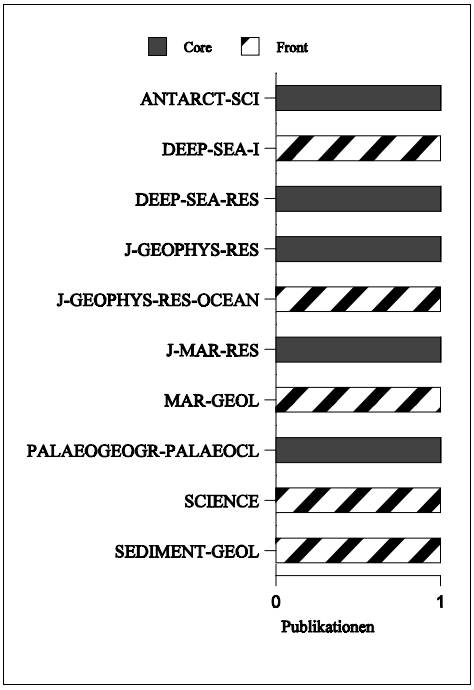
HDS 42: Thermohaline Circulation/Anthropogenic CO2

5 Kernpublikationen / 5 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

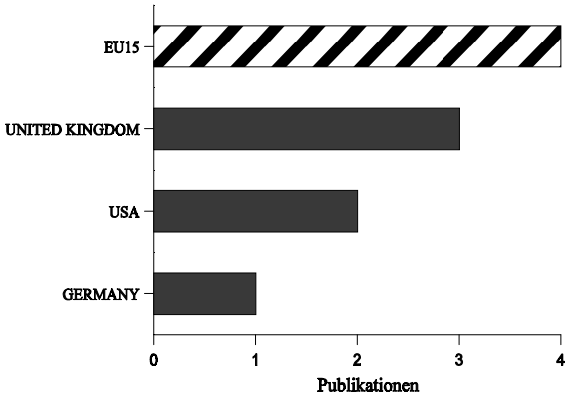


Akteure (Forschungsfront)

Institutionen

3 BRITISH-ANTARCTIC-SURVEY, UNITED KINGDOM
2 COLUMBIA-UNIV, USA
1 ALFRED-WEGENER-INST-POLAR-&-MARINE-RES, GERMANY
1 MAX-PLANCK-INST-METEOROL, GERMANY
1 NOAA, USA
1 PRINCETON-UNIV, USA
1 UNIV-CALIF-SAN-DIEGO, USA
1 UNIV-E-ANGLIA, UNITED KINGDOM
1 UNIV-SOUTHAMPTON, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

4 Pudsey-CJ King-P
Particle Fluxes, Benthic Processes and the Paleoenvironmental Record in the Northern Weddell Sea

3 Broecker-WS
Thermohaline Circulation, the Achilles-Heel of Our Climate System - Will Man-Made CO2 Upset the Current Balance

3 Broecker-WS Peacock-SL Walker-S Weiss-R Fahrbach-E Schroeder-M Mikolajewicz-U Heinze-C Key-R Peng-TH Rubin-S
How Much Deep-Water Is Formed in the Southern-Ocean

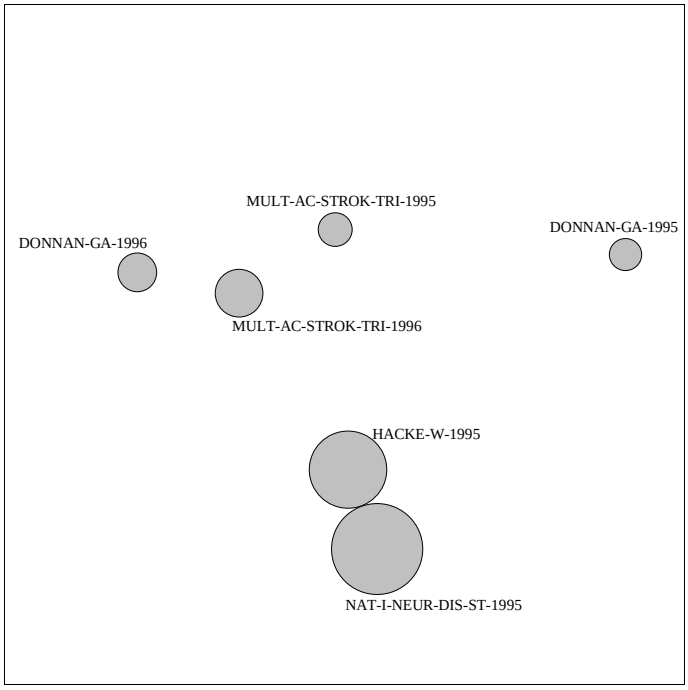
3 Gilbert-IM Pudsey-CJ Murray-JW
A Sediment Record of Cyclic Bottom-Current Variability from the Northwest Weddell Sea

2 Pudsey-CJ Howe-JA
Quaternary History of the Antarctic Circumpolar Current - Evidence from the Scotia Sea

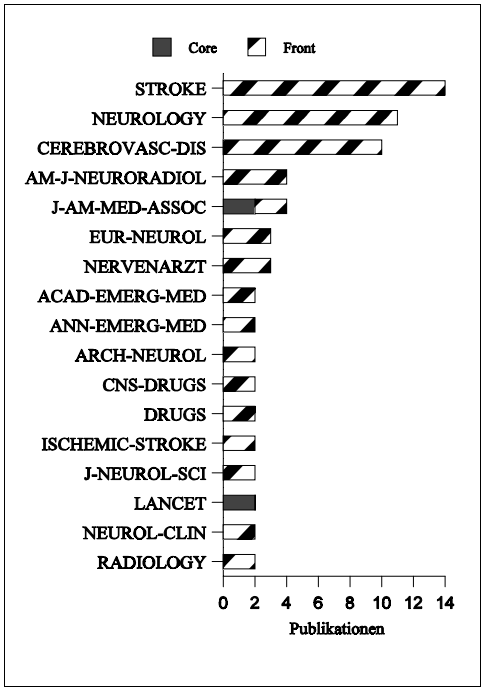
HDS 1: Acute Stroke Therapy

6 Kernpublikationen / 99 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

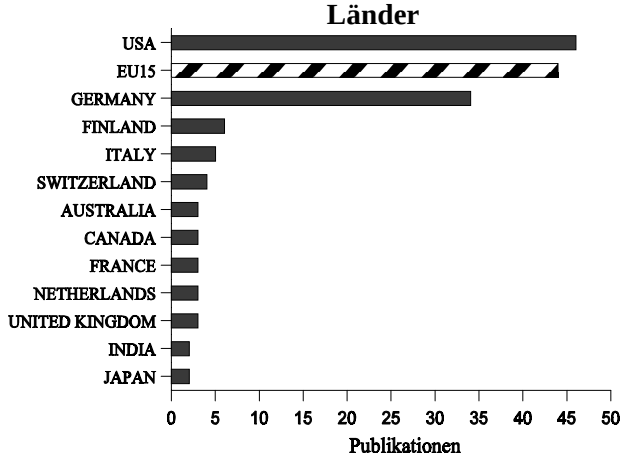


Akteure (Forschungsfront)

Institutionen

15 UNIV-HEIDELBERG, GERMANY
7 UNIV-TEXAS, USA
6 UNIV-CINCINNATI, USA
6 UNIV-HELSINKI, FINLAND
5 HENRY-FORD-HOSP, USA
5 UNIV-COLOGNE, GERMANY
4 TECH-UNIV-DRESDEN, GERMANY
4 UNIV-CALIF-SAN-DIEGO, USA
4 UNIV-MASSACHUSETTS, USA
4 UNIV-ROMA-LA-SAPIENZA, ITALY
(und weitere 118 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Lutsep-HL Clark-WM
Acute Stroke Therapy - Perspectives on Current, Future Treatments

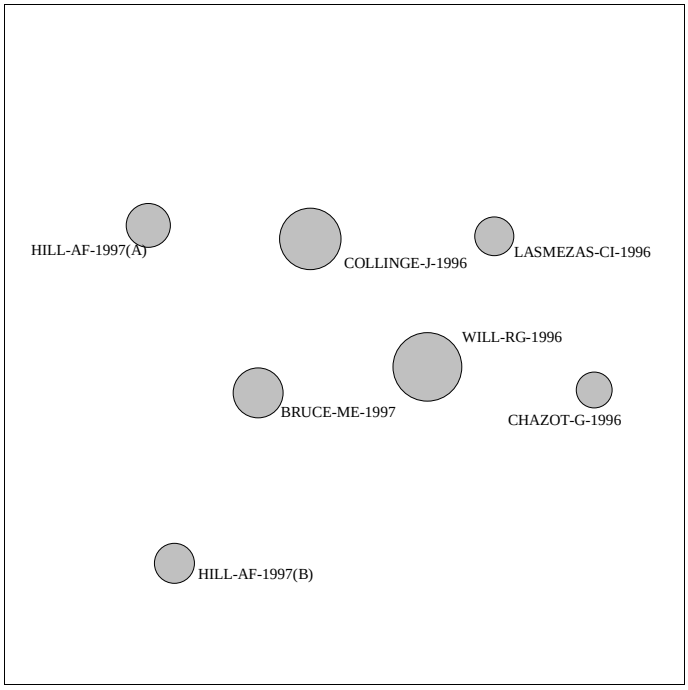
6 Onal-MZ Fisher-M
Acute Ischemic Stroke Therapy - A Clinical Overview

6 Yasaka-M Okeefe-GJ Chambers-BR Davis-SM Infeld-B Omalley-H Baird-AE Hirano-T Donnan-GA
Streptokinase in Acute Stroke - Effect on Reperfusion and Recanalization

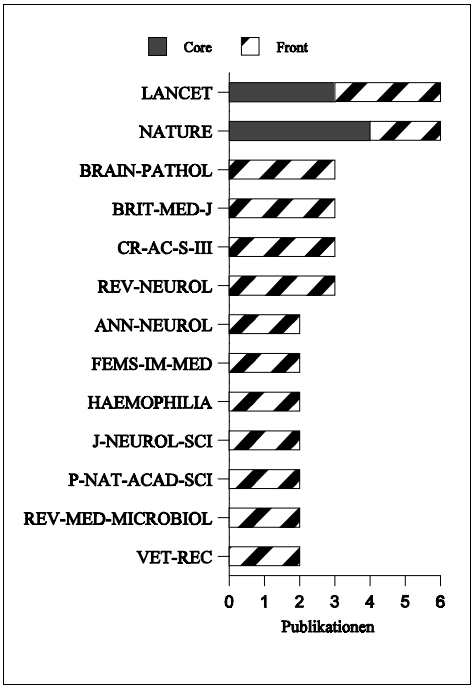
HDS 2: New Variant Creutzfeldt-Jakob-Disease

7 Kernpublikationen / 77 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

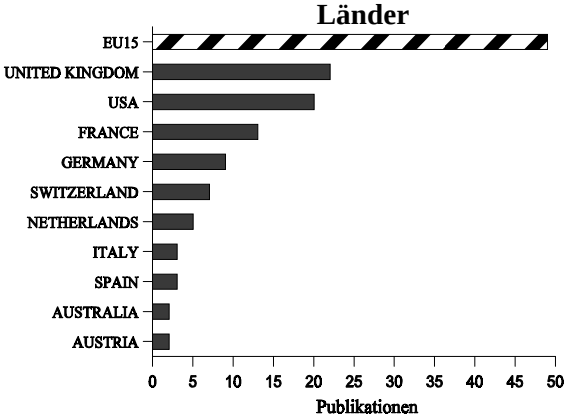


Akteure (Forschungsfront)

Institutionen

10 WESTERN-GEN-HOSP, UNITED KINGDOM
5 UNIV-CALIF-SAN-FRANCISCO, USA
5 UNIV-ZURICH, SWITZERLAND
3 HOP-LA-PITIE-SALPETRIERE, FRANCE
3 MARIEN-HOSP, GERMANY
3 UNIV-COLL-LONDON, UNITED KINGDOM
3 UNIV-GOTTINGEN, GERMANY
(und weitere 84 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Hauw-JJ Lazarini-F Sazdovitch-V Seilhean-D Suarez-S Colle-MA Boularand-S Delasnerielaupretre-N Duyckaerts-C
Diseases Transmissible by Nonconventional Agents - Nosology and Diagnosis

7 Ironside-JW
New-Variant Creutzfeldt-Jakob-Disease

7 Pastoret-PP Falize-F Brochier-B Vanopdenbosch-E Thiry-E
Transmissible Spongiform Encephalopathies and Their Regulatory Consequences

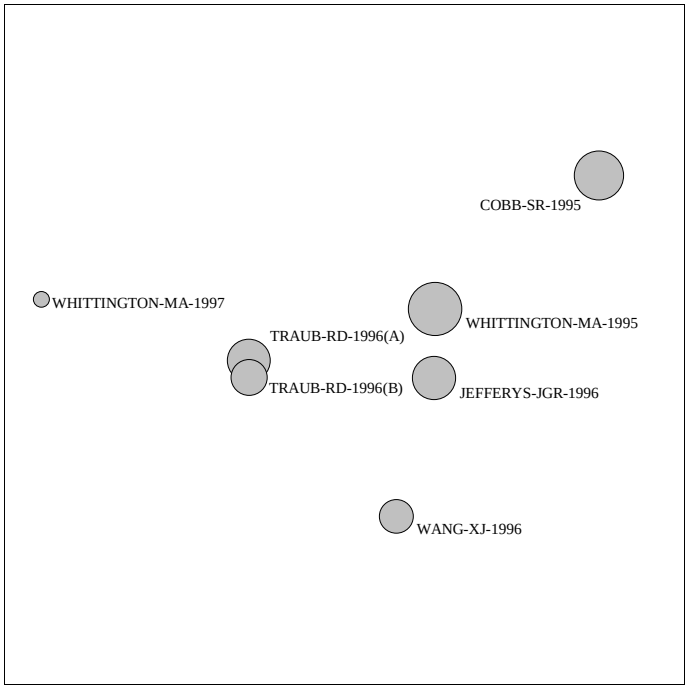
7 Raeber-AJ Brandner-S Klein-MA Benninger-Y Musahl-C Frigg-R Roeckl-C Fischer-MB Weissmann-C Aguzzi-A
Transgenic and Knockout Mice in Research on Prion Diseases

7 Stewart-GE Ironside-JW
New Variant Creutzfeldt-Jakob-Disease

HDS 3: Limbic Gamma-Rhythms

7 Kernpublikationen / 55 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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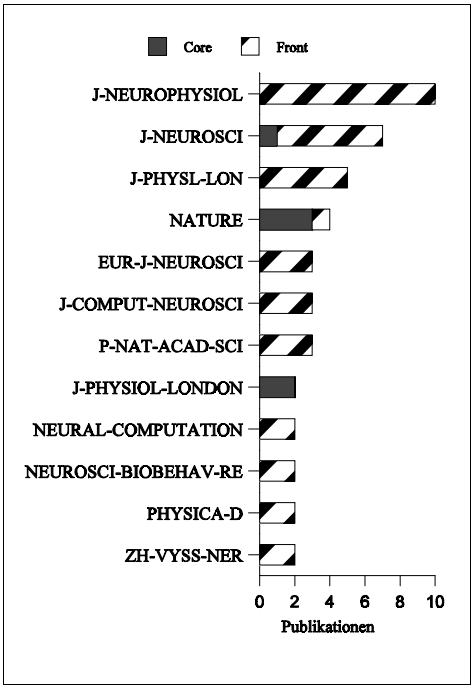
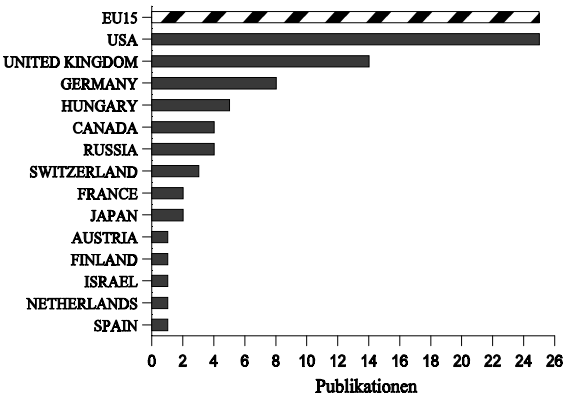


Akteure (Forschungsfront)

Institutionen

7 UNIV-BIRMINGHAM, UNITED KINGDOM
6 UNIV-PITTSBURGH, USA
5 UNIV-OXFORD, UNITED KINGDOM
4 BOSTON-UNIV, USA
4 BRANDEIS-UNIV, USA
4 RUSSIAN-ACAD-SCI, RUSSIA
3 HUNGARIAN-ACAD-SCI, HUNGARY
3 MAX-PLANCK-INST-BRAIN-RES, GERMANY
3 RUTGERS-STATE-UNIV, USA
3 UNIV-LONDON-IMPERIAL-COLL-SCI-TECHNOL-&-MED, UNITED KINGDOM
(und weitere 48 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

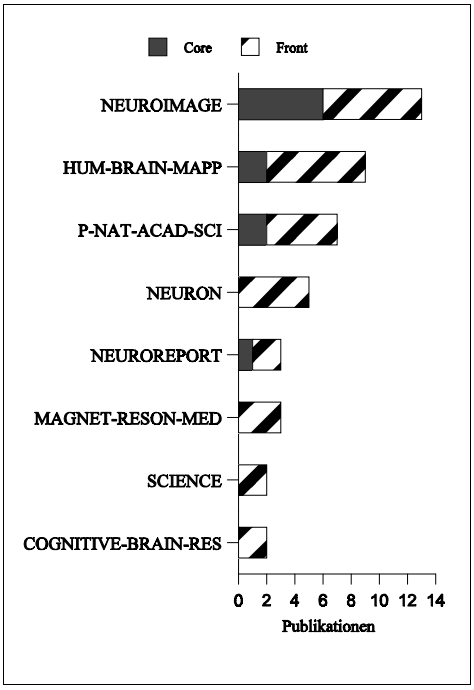
6 Penttonen-M Kamondi-A Acsady-L Buzsaki-G
Gamma-Frequency-Oscillation in the Hippocampus of the Rat - Intracellular Analysis in-Vivo

HDS 4: Event-Related Fmri

13 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

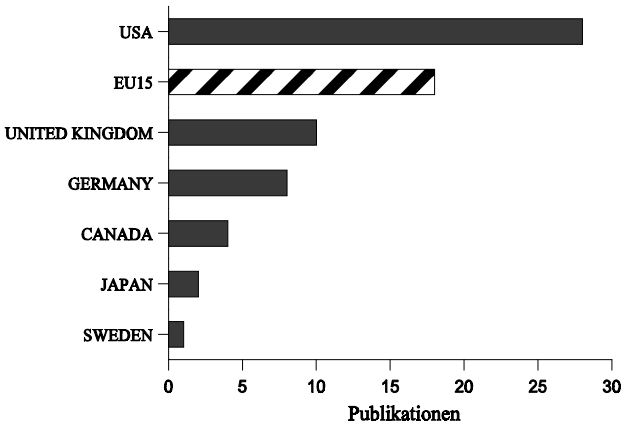


Akteure (Forschungsfront)

Institutionen

13 HARVARD-UNIV, USA
9 WASHINGTON-UNIV, USA
7 INST-NEUROL, UNITED KINGDOM
7 MASSACHUSETTS-GEN-HOSP, USA
5 UNIV-PENN, USA
4 OTTO-VON-GUERICKE-UNIV, GERMANY
3 NIMH, USA
3 RES-CTR-JULICH, GERMANY
(und 28 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

9 Buckner-RL Koutstaal-W Schacter-DL Dale-AM Rotte-M Rosen-BR
Functional-Anatomic Study of Episodic Retrieval II - Selective Averaging of Event-Related Fmri Trials to Test the Retrieval Success Hypothesis

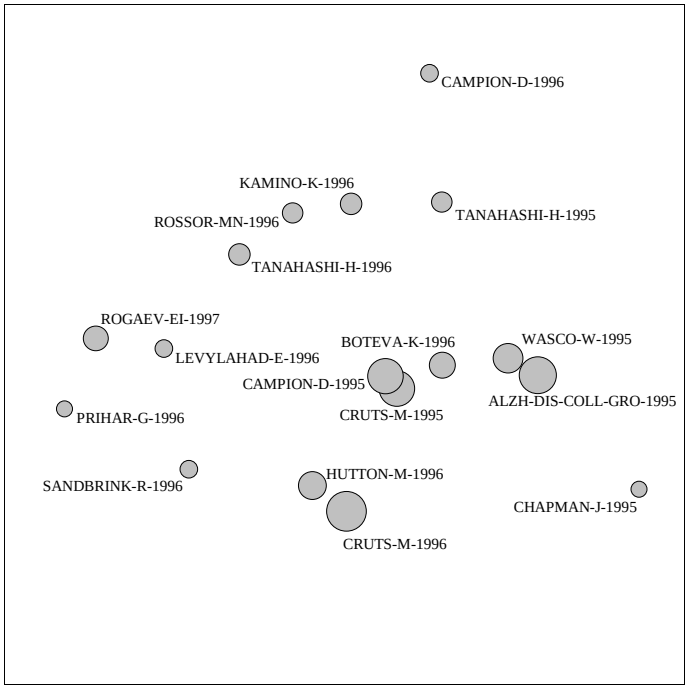
8 Buckner-RL Goodman-J Burock-M Rotte-M Koutstaal-W Schacter-D Rosen-B Dale-AM
Functional-Anatomic Correlates of Object Priming in Humans Revealed by Rapid Presentation Event-Related Fmri

6 Buckner-RL Koutstaal-W
Functional Neuroimaging Studies of Encoding, Priming, and Explicit Memory Retrieval

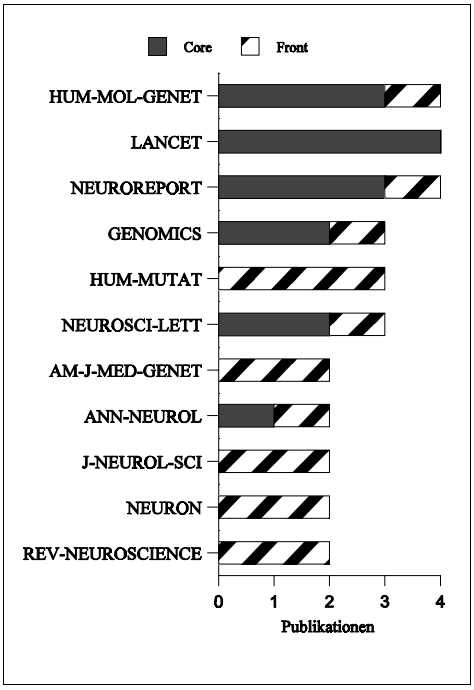
HDS 5: Presenilin Mutation in Alzheimers-Disease

17 Kernpublikationen / 43 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

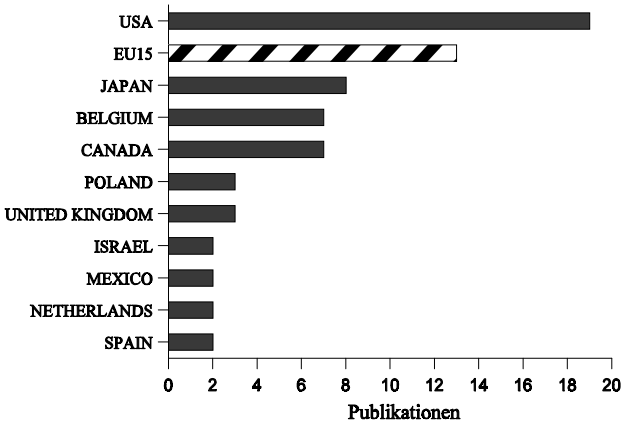


Akteure (Forschungsfront)

Institutionen

6 UNIV-ANTWERP, BELGIUM
5 UNIV-TORONTO, CANADA
4 JOHNS-HOPKINS-UNIV, USA
3 CARNEGIE-MELLON-UNIV, USA
3 MAYO-CLIN-JACKSONVILLE, USA
3 UNIV-PITTSBURGH, USA
2 INST-PSYCHIAT-&-NEUROL, POLAND
2 NCNP, JAPAN
2 NEW-YORK-STATE-INST-BASIC-RES-DEV-DISABIL, USA
2 NYU, USA
2 POLISH-ACAD-SCI, POLAND
2 TORONTO-HOSP, CANADA
2 UNIV-KENTUCKY, USA
(und 66 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

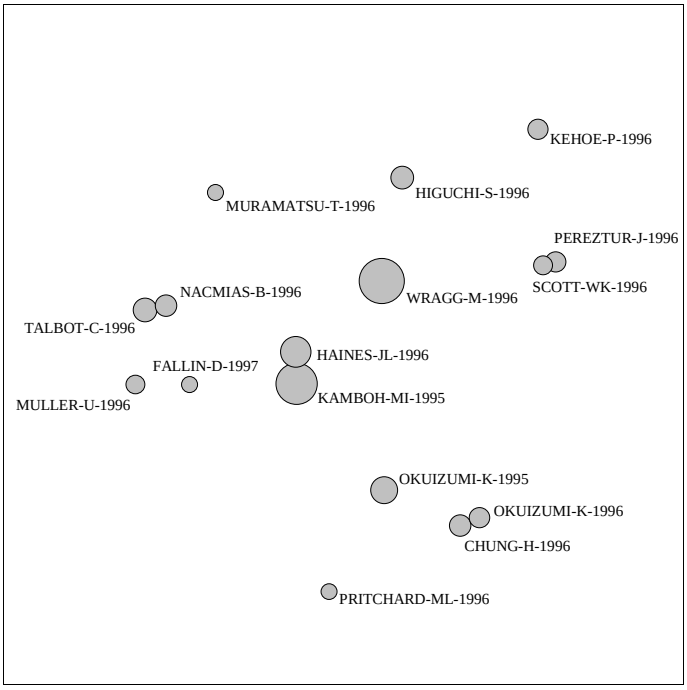
13 Cruts-M Vanbroeckhoven-C
Presenilin Mutation in Alzheimers-Disease

10 Cruts-M Vanduijn-CM Backhovens-H Vandenbroeck-M Wehnert-A Serneels-S Sherrington-R Hutton-M Hardy-J Stgeorgehyslop-PH Hofman-A Vanbroeckhoven-C
Estimation of the Genetic Contribution of Presenilin-1 and Presenilin-2 Mutations in a Population-Based Study of Presenile Alzheimer-Disease

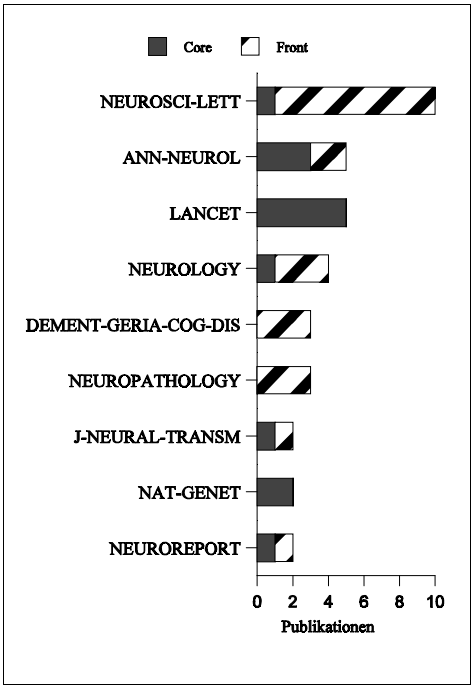
HDS 6: Genetic Epidemiology of Alzheimer Disease

16 Kernpublikationen / 38 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

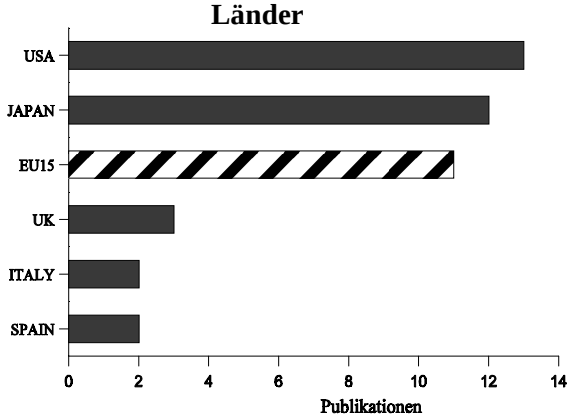


Akteure (Forschungsfront)

Institutionen

5 UNIV-PITTSBURGH, USA
4 UNIV-TOKYO, JAPAN
3 TOKYO-MED-&-DENT-UNIV, JAPAN
3 YOKUFUKAI-GERIATR-HOSP, JAPAN
2 DUKE-UNIV, USA
2 HOSP-CLIN-BARCELONA, SPAIN
2 KURIHAMA-NATL-HOSP, JAPAN
2 NCNP, JAPAN
2 NEWCASTLE-GEN-HOSP, UK
2 UNIV-CALIF-SAN-DIEGO, USA
2 UNIV-PENN, USA
(und weitere 47 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Itabashi-S Arai-H Matsui-T Matsushita-S Muramatsu-T Higuchi-S Trojanowski-JQ Sasaki-H
Absence of Association of Alpha(1)-Antichymotrypsin Polymorphisms with Alzheimers-Disease - A Report on Autopsy-Confirmed Cases

9 Scott-WK
Heredity and Alzheimers-Disease - Basic Findings and Clinical Implications

9 Slooter-AJC Vanduijn-CM

8 Katzman-R Kang-D Thomas-R
Interaction of Apolipoprotein-E Epsilon-4 with Other Genetic and Nongenetic Risk-Factors in Late-Onset Alzheimer-Disease - Problems Pacing the Investigator

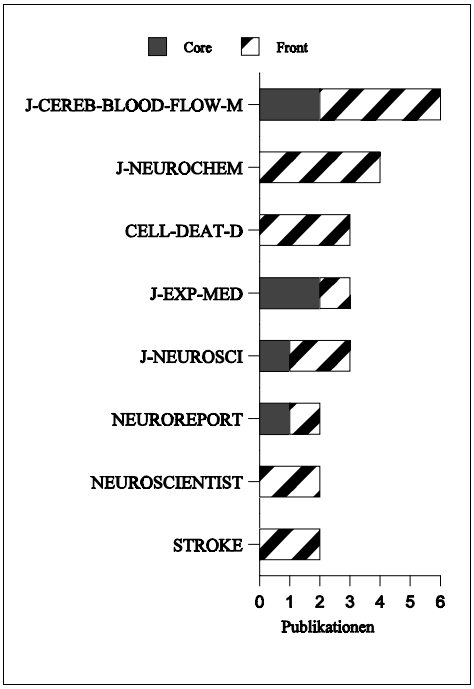
8 Wang-XY Dekosky-ST Wisniewski-S Aston-CE Kamboh-MI
Genetic Association of 2 Chromosome-14 Genes (Presenilin-1 and Alpha(1)-Antichymotrypsin) with Alzheimers-Disease

HDS 7: Apoptosis and Cerebral-Ischemia

7 Kernpublikationen / 35 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

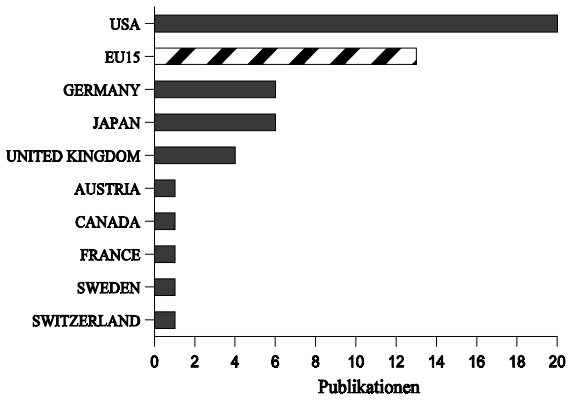


Akteure (Forschungsfront)

Institutionen

8 HARVARD-UNIV, USA
3 UNIV-MICHIGAN, USA
2 OSAKA-UNIV, JAPAN
2 TOHOKU-UNIV, JAPAN
2 UNIV-KONSTANZ, GERMANY
2 UNIV-MANCHESTER, UNITED KINGDOM
2 UNIV-TUBINGEN, GERMANY
2 UNIV-WASHINGTON, USA
2 WARNER-LAMBERT-PARKE-DAVIS, USA
(und weitere 29 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Endres-M Kaps-M Moskowitz-MA
Apoptosis and Cerebral-Ischemia

5 Friedlander-RM Yuan-JY
Ice, Neuronal Apoptosis and Neurodegeneration

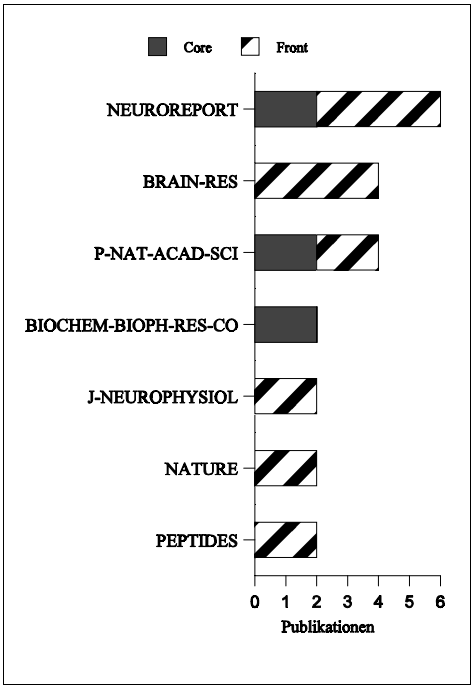
5 Kitagawa-H Hayashi-T Mitsumoto-Y Koga-N Itoyama-Y Abe-K
Reduction of Ischemic Brain Injury by Topical Application of Glial-Cell Line-Derived Neurotropic Factor After Permanent Middle Cerebral-Artery Occlusion in Rats

HDS 8: Nociceptin/Orphanin Fq

11 Kernpublikationen / 30 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

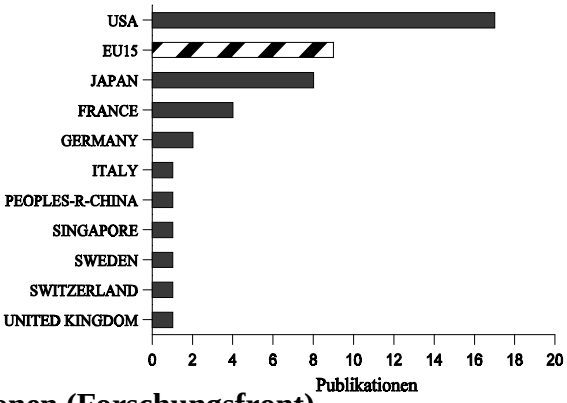


Akteure (Forschungsfront)

Institutionen

4 OREGON-HLTH-SCI-UNIV, USA
3 UNIV-CALIF-LOS-ANGELES, USA
3 UNIV-TOKYO, JAPAN
2 KANSAI-MED-UNIV, JAPAN
2 NAGASAKI-UNIV, JAPAN
2 NAGOYA-UNIV, JAPAN
2 TULANE-UNIV, USA
2 UNIV-CALIF-IRVINE, USA
(und weitere 33 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Meunier-JC
Nociceptin/Orphanin Fq and the Opioid Receptor-Like Orl1 Receptor

11 Zaki-PA Evans-CJ
ORL-1 - An Awkward Child of the Opioid Receptor Family

8 Darland-T Heinricher-MM Grandy-DK
Orphanin Fq/Nociceptin - A Role in Pain and Analgesia, But So Much More

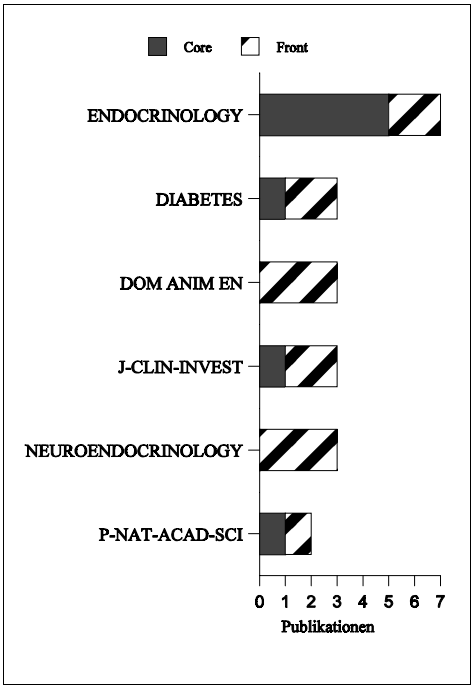
7 Ikeda-K Watanabe-M Ichikawa-T Kobayashi-T Yano-R Kumanishi-T
Distribution of Prepro-Nociceptin/Orphanin Fq Messenger-RNA and Its Receptor Messenger-RNA in Developing and Adult-Mouse Central Nervous Systems

HDS 9: Central-Nervous-System Effects of Leptin

11 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

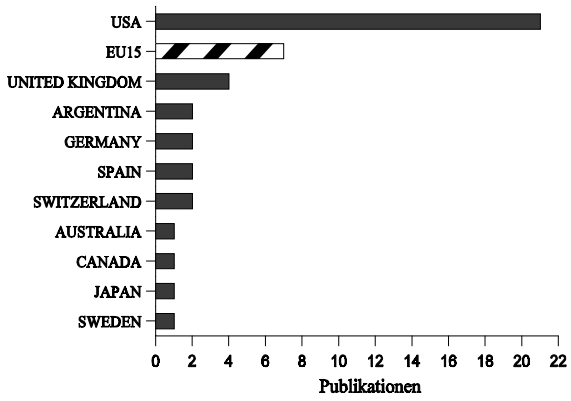


Akteure (Forschungsfront)

Institutionen

3 HARVARD-UNIV, USA
2 CONSEJO-NACL-INVEST-CIENT-&-TECN, ARGENTINA
2 LILLY-DEUTSCHLAND, GERMANY
2 LOUISIANA-STATE-UNIV, USA
2 ROWETT-RES-INST, UNITED KINGDOM
2 UNIV-GIESSEN, GERMANY
2 UNIV-MISSOURI, USA
2 UNIV-PITTSBURGH, USA
(und weitere 32 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Ahima-RS Prabakaran-D Flier-JS
Postnatal Leptin Surge and Regulation of Circadian-Rhythm of Leptin by Feeding - Implications for Energy Homeostasis and Neuroendocrine Function

8 Elmquist-JK Ahima-RS Elias-CF Flier-JS Saper-CB
Leptin Activates Distinct Projections from the Dorsomedial and Ventromedial Hypothalamic Nuclei

6 Buchanan-C Mahesh-V Zamorano-P Brann-D
Central-Nervous-System Effects of Leptin

6 Elmquist-JK Maratosflier-E Saper-CB Flier-JS
Unraveling the Central-Nervous-System Pathways Underlying Responses to Leptin

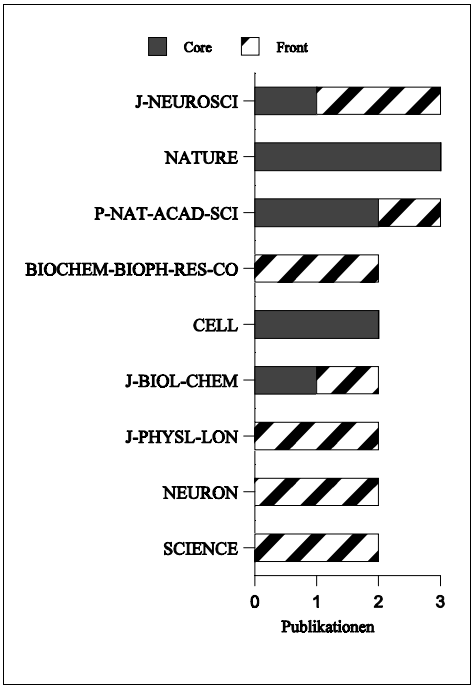
6 Nagatani-S Guthikonda-P Thompson-RC Tsukamura-H Maeda-KI Foster-DL
Evidence for GnRH Regulation by Leptin - Leptin Administration Prevents Reduced Pulsatile LH-Secretion During Fasting

HDS 10: G-Protein Signaling

11 Kernpublikationen / 23 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

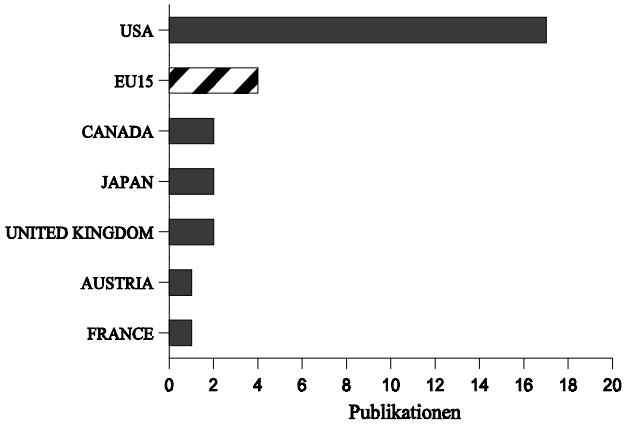


Akteure (Forschungsfront)

Institutionen

3 UNIV-TEXAS, USA
3 UNIV-WASHINGTON, USA
2 AMGEN-INST, CANADA
2 BAYLOR-COLL-MED, USA
2 HARVARD-UNIV, USA
(und 30 weitere Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

9 He-W Cowan-CW Wensel-TG
Rgs9, a GTPase Accelerator for Phototransduction

9 Ingi-T Krumins-AM Chidiac-P Brothers-GM Chung-S Snow-BE Barnes-CA Lanahan-AA Siderovski-DP Ross-EM Gilman-AG Worley-PF
Dynamic Regulation of Rgs2 Suggests a Novel Mechanism in G-Protein Signaling and Neuronal Plasticity

9 Nomoto-S Adachi-K Yang-LX Hirata-Y Muraguchi-S Kiuchi-K
Distribution of Rgs4 Messenger-RNA in Mouse-Brain Shown by in-Situ Hybridization

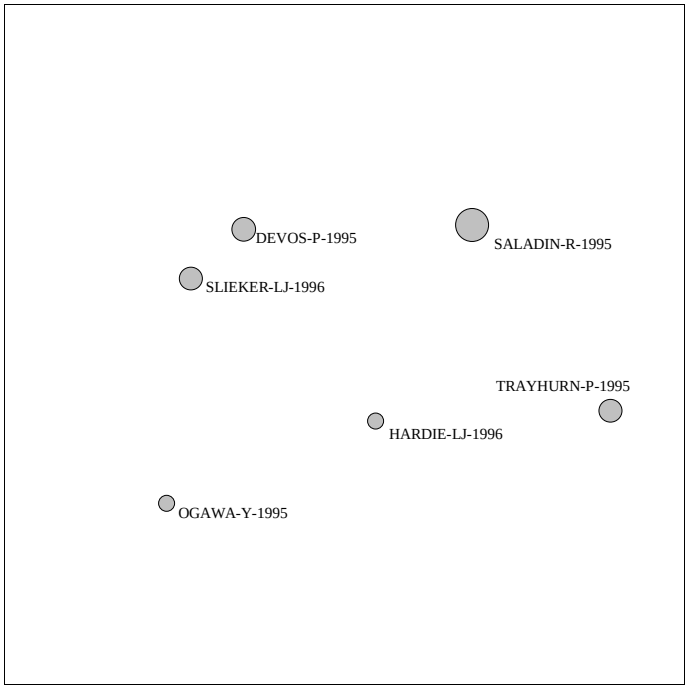
9 Saugstad-JA Marino-MJ Folk-JA Hepler-JR Conn-PJ
Rgs4 Inhibits Signaling by Group-I Metabotropic Glutamate Receptors

9 Shuey-DJ Betty-M Jones-PG Khawaja-XZ Cockett-MI
Rgs7 Attenuates Signal-Transduction Through the G(Alpha-Q) Family of Heterotrimeric G-Proteins in Mammalian-Cells

HDS 11: Regulation of Leptin Production

6 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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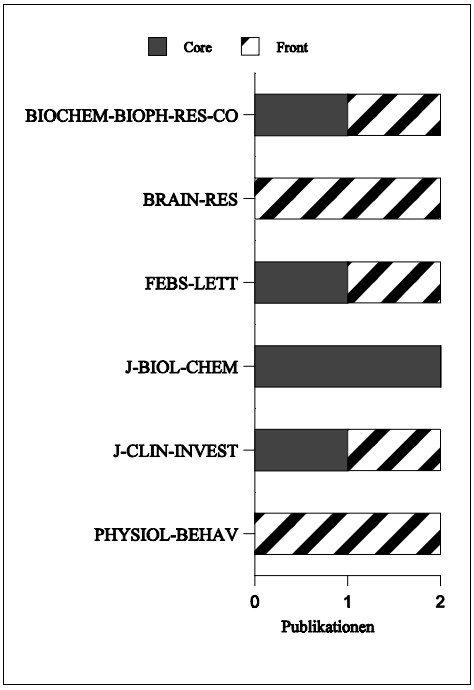
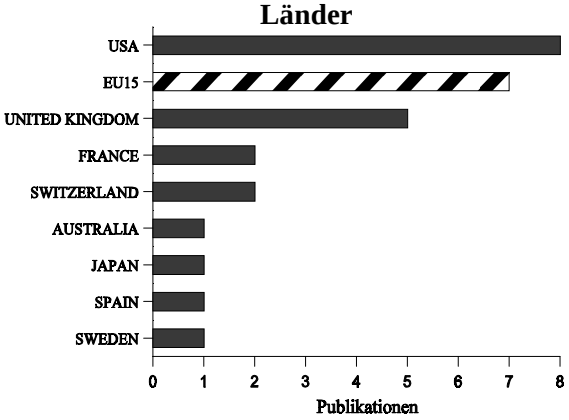


Akteure (Forschungsfront)

Institutionen

3 ROWETT-RES-INST, UNITED KINGDOM
2 SMITHKLINE-BEECHAM-PHARMACEUT, UNITED KINGDOM
2 UNIV-CINCINNATI, USA
2 UNIV-FLORIDA, USA
(und weitere 18 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Trayhurn-P Duncan-JS Hoggard-N Rayner-DV
Regulation of Leptin Production - A Dominant Role for the Sympathetic Nervous-System

4 Albarazanji-KA Buckingham-RE Arch-JRS Haynes-A Mossakowska-DE Mcbay-DL Holmes-SD Mchale-MT Wang-XM Gloger-IS
Effects of Intracerebroventricular Infusion of Leptin in Obese Zucker Rats

4 Rayner-DV Simon-E Duncan-JS Trayhurn-P
Hyperleptinaemia in Mice Induced by Administration of the Tyrosine-Hydroxylase Inhibitor Alpha-Methyl-P-Tyrosine

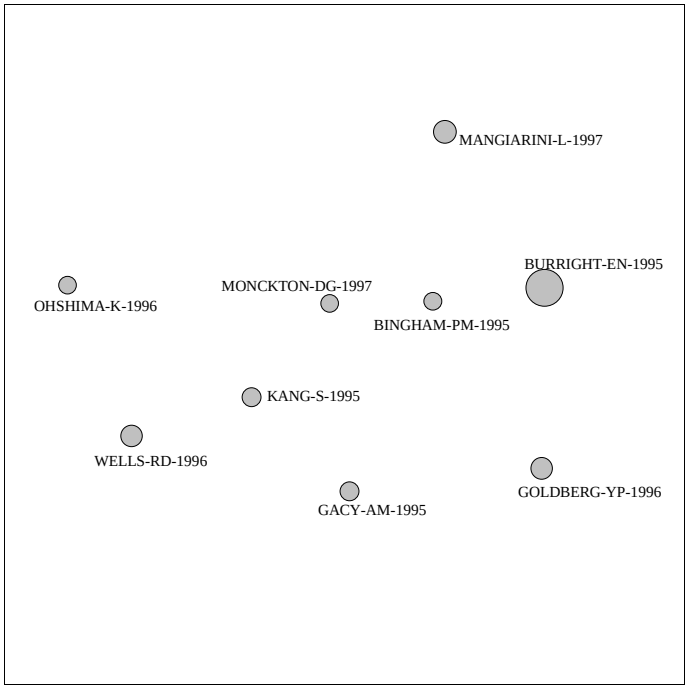
3 Heiman-ML Chen-YY Caro-JF
Leptin Participates in the Regulation of Glucocorticoid and Growth-Hormone Axes

3 Yarnell-DO Knight-DS Hamilton-K Tulp-O Tso-P
Localization of Leptin Receptor Immunoreactivity in the Lean and Obese Zucker Rat-Brain

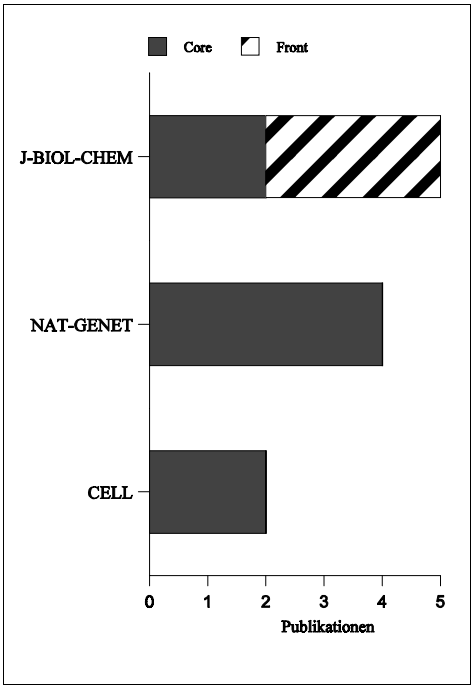
HDS 12: Gaa Instability in Friedreichs-Ataxia

9 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

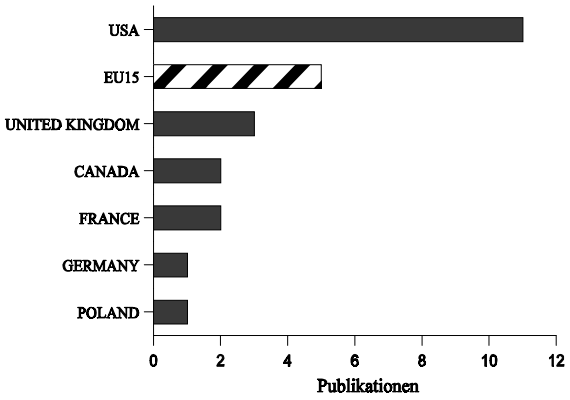


Akteure (Forschungsfront)

Institutionen

3 TEXAS-A&M-UNIV, USA
2 MASSACHUSETTS-GEN-HOSP, USA
2 UNIV-CALIF-LOS-ANGELES, USA
2 UNIV-LONDON-UNIV-COLL, UNITED KINGDOM
2 UNIV-MONTREAL, CANADA
2 UNIV-SO-CALIF, USA
(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Ohshima-K Montermini-L Wells-RD Pandolfo-M
Inhibitory Effects of Expanded Gaa-Center-Dot-Ttc Triplet Repeats from Intron-I of the Friedreich Ataxia Gene on Transcription and Replication in-Vivo

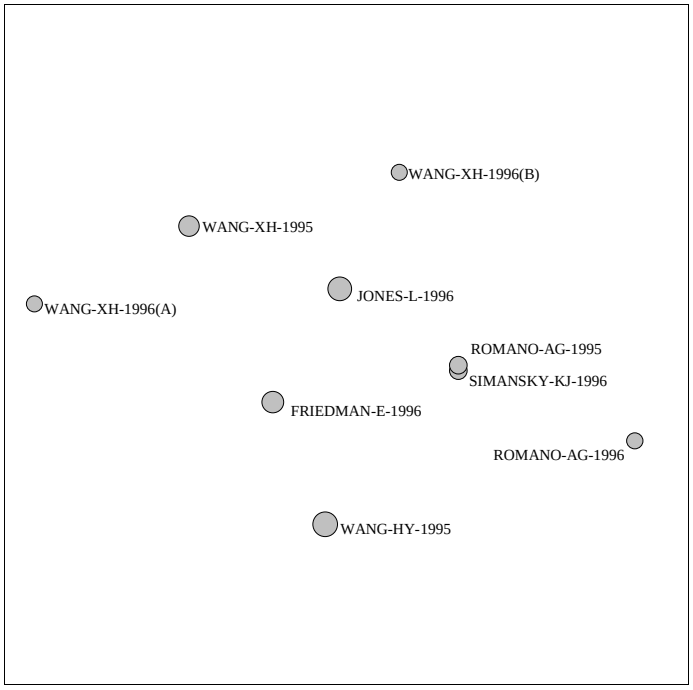
8 Wells-RD
DNA-Structure, Triplet Repeats, and Hereditary Neurological Diseases

7 Gacy-AM Goellner-GM Spiro-C Chen-X Gupta-G Bradbury-EM Dyer-RB Mikesell-MJ Yao-JZ Johnson-AJ Richter-A Melancon-SB Mcmurray-CT
Gaa Instability in Friedreichs-Ataxia Shares a Common, DNA-Directed and Intraallelic Mechanism with Other Trinucleotide Diseases

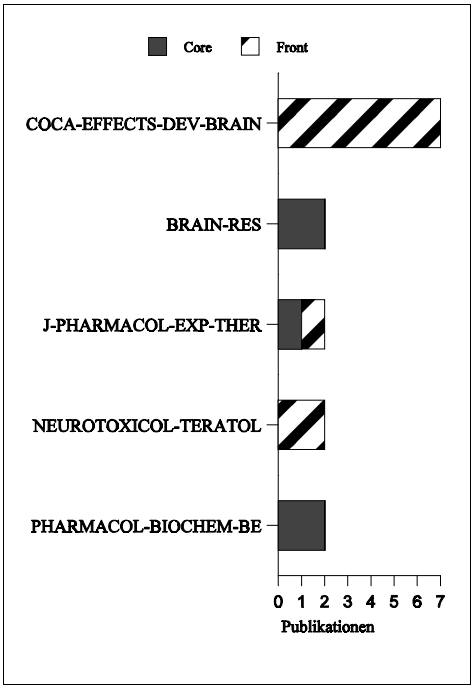
HDS 13: Prenatal Cocaine Exposure

9 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

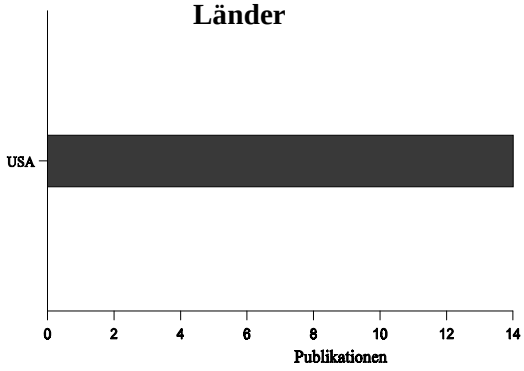


Akteure (Forschungsfront)

Institutionen

5 ALLEGHENY-UNIV-HLTH-SCI, USA
2 HARVARD-UNIV, USA
2 MASSACHUSETTS-GEN-HOSP, USA
2 UNIV-PITTSBURGH, USA
(und weitere 10 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Romano-AG Harvey-JA
Prenatal Cocaine Exposure - Long-Term Deficits in Learning and Motor-Performance

6 Friedman-E Wang-HY
Prenatal Cocaine Exposure Alters Signal-Transduction in the Brain D-1 Dopamine-Receptor System

6 Levitt-P
Prenatal Effects of Drugs of Abuse on Brain-Development

6 Levitt-P Reinoso-B Jones-L
The Critical Impact of Early Cellular Environment on Neuronal Development

6 Simansky-KJ Baker-G Kachelries-WJ Hood-H Romano-AG Harvey-JA
Prenatal Exposure to Cocaine Reduces Dopaminergic D-1-Mediated Motor Function But Spares the Enhancement of Learning by Amphetamine in Rabbits

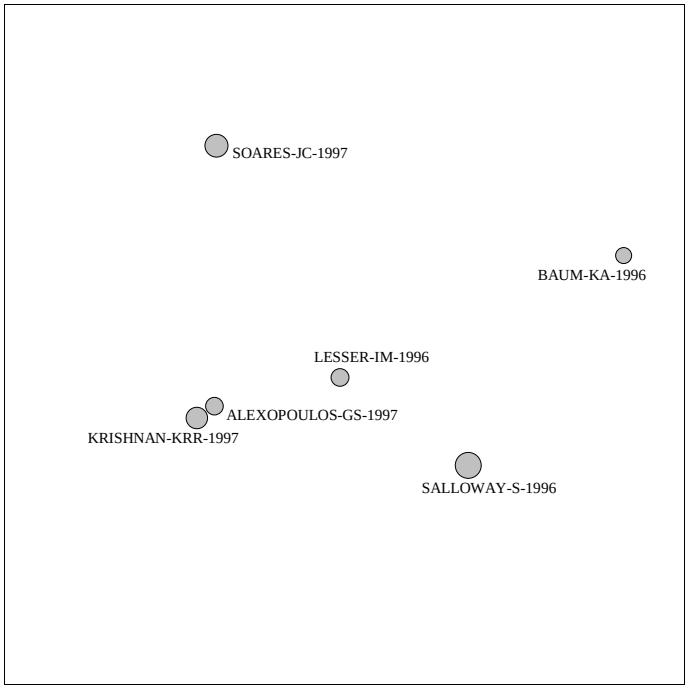
5 Gabriel-M Taylor-C
Prenatal Exposure to Cocaine Impairs Neuronal Coding of Attention and Discriminative Learning

5 Plessinger-MA Woods-JR
Cocaine in Pregnancy - Recent Data on Maternal and Fetal Risks

HDS 14: Structural Neuroimaging and Mood Disorders

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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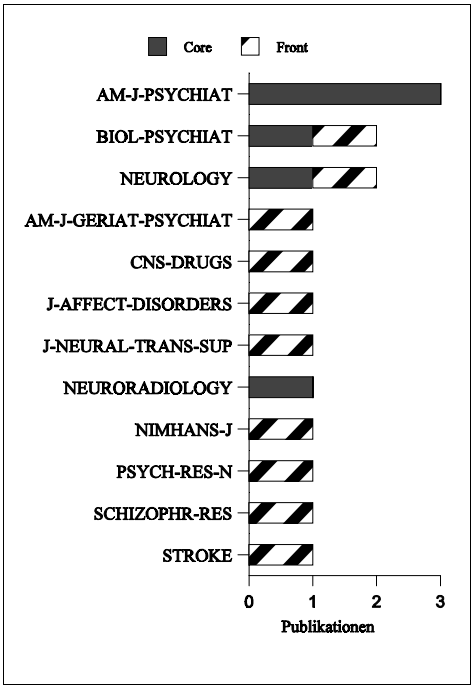
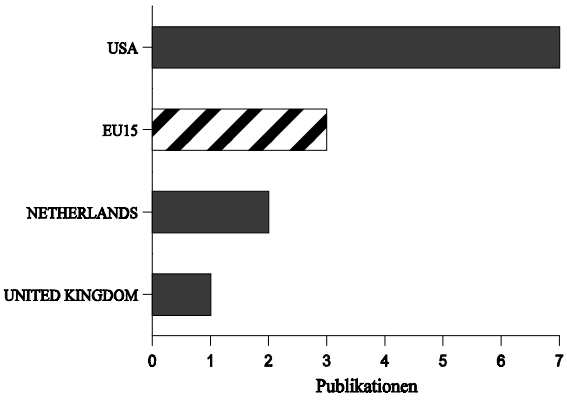


Akteure (Forschungsfront)

Institutionen

3 DUKE-UNIV, USA
1 ALBERT-EINSTEIN-COLL-MED, USA
1 BOSTON-UNIV, USA
1 CATHOLIC-UNIV-AMER, USA
1 ERASMUS-UNIV, NETHERLANDS
1 HARBOR-UCLA-MED-CTR, USA
1 INDIANA-UNIV, USA
1 LONG-ISL-JEWISH-MED-CTR, USA
1 MANCHESTER-ROYAL-INFIRM, UK
1 NIMH, USA
1 SRI-INT, USA
1 UNIV-KANSAS, USA
1 UNIV-MAASTRICHT, NETHERLANDS
1 UNIV-PITTSBURGH, USA
1 UNIV-ROCHESTER, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Steffens-DC Krishnan-KRR
Structural Neuroimaging and Mood Disorders - Recent Findings, Implications for Classification, and Future-Directions

4 Baldwin-RC Simpson-S
Treatment-Resistant Depression in the Elderly - A Review of Its Conceptualization, Management and Relationship to Organic Brain Disease

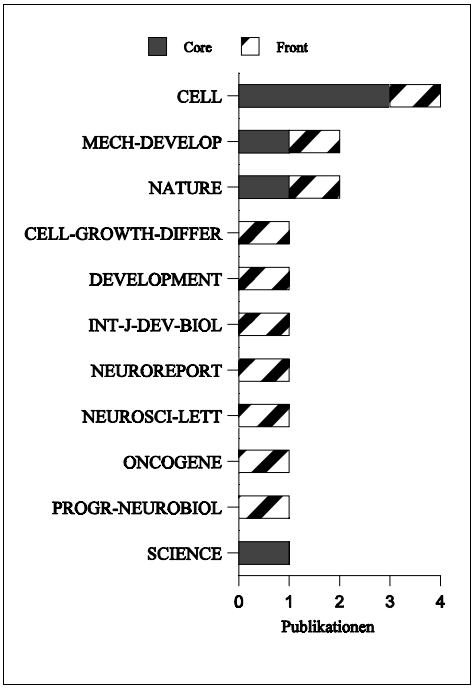
4 Greenwald-BS Kramerginsberg-E Krishnan-KRR Ashtari-M Auerbach-C Patel-M
Neuroanatomical Localization of Magnetic-Resonance-Imaging Signal Hyperintensities in Geriatric Depression

HDS 15: Regulating HES-1 Induction

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

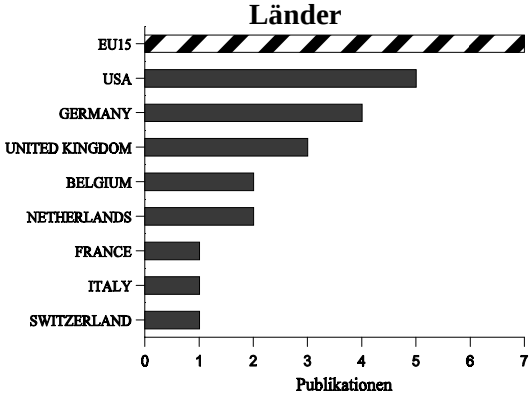


Akteure (Forschungsfront)

Institutionen

2 NYU, USA
2 UNIV-UTRECHT-HOSP, NETHERLANDS
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Ahmed-Y Hayashi-S Levine-A Wieschaus-E
Regulation of Armadillo by a Drosophila APC Inhibits Neuronal Apoptosis During Retinal Development

5 Issack-PS Ziff-EB
Genetic Elements Regulating HES-1 Induction in Wnt-1-Transformed PC12 Cells

4 Bhat-KM
Cell-Cell Signaling During Neurogenesis - Some Answers and Many Questions

3 Molenaar-M Roose-J Peterson-J Venanzi-S Clevers-H Destree-O
Differential Expression of the HMG Box Transcription Factors Xtcf-3 and Xlef-1 During Early Xenopus Development

3 Morrison-EE Askham-J Clissold-P Markham-AF Meredith-DM
Expression of Beta-Catenin and the Adenomatous Polyposis-Coli Tumor-Suppressor Protein in Mouse Neocortical Cells in-Vitro

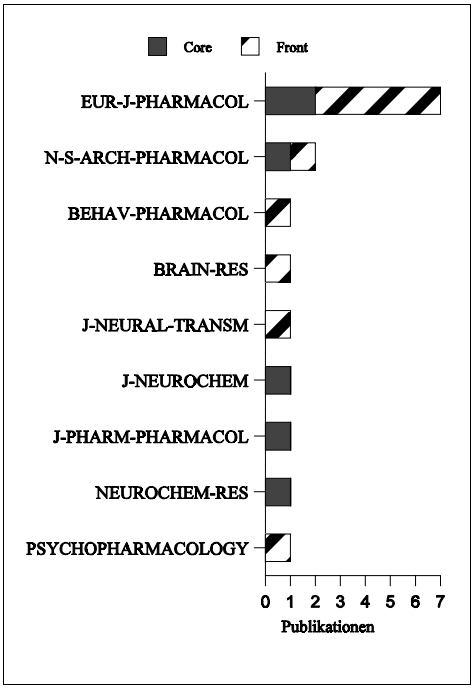
3 Wheal-HV Chen-Y Mitchell-J Schachner-M Maerz-W Wieland-H Vanrossum-D Kirsch-J
Molecular Mechanisms That Underlie Structural and Functional-Changes at the Postsynaptic Membrane During Synaptic Plasticity

HDS 16: Fluoxetine and 5-Ht1A Receptor Antagonists

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

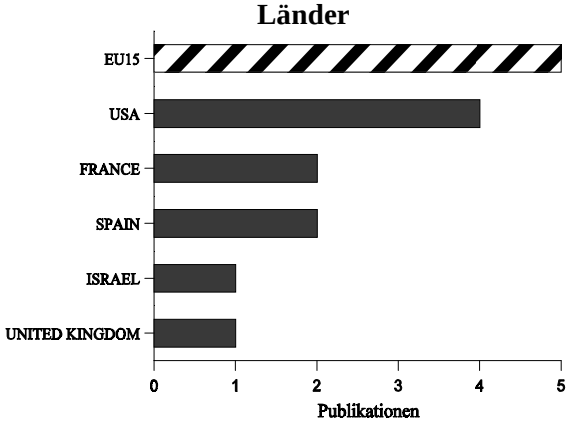


Akteure (Forschungsfront)

Institutionen

2 CSIC, SPAIN
2 UNIV-PARIS-SUD, FRANCE
1 ALMIRALL-PRODES-FARMA, SPAIN
1 ELI-LILLY-&-CO, USA
1 FAC-PICARDIE-JULES-VERNE, FRANCE
1 HEBREW-UNIV-JERUSALEM, ISRAEL
1 PURDUE-UNIV, USA
1 SO-ILLINOIS-UNIV, USA
1 UNIV-BATH, UNITED KINGDOM
1 UNIV-ILLINOIS, USA
1 UNIV-PICARDIE, FRANCE
1 WYETH-AYERST-RES, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Trillat-AC Malagie-I Matheallainmat-M Anmella-MC Jacquot-C Langlois-M Gardier-AM
Synergistic Neurochemical and Behavioral-Effects of Fluoxetine and 5-Ht1A Receptor Antagonists

4 Hervas-I Artigas-F
Effect of Fluoxetine on Extracellular 5-Hydroxytryptamine in Rat-Brain - Role of 5-HT Autoreceptors

4 Hervas-I Bel-N Fernandez-AG Palacios-JM Artigas-F
In-Vivo Control of 5-Hydroxytryptamine Release by Terminal Autoreceptors in Rat-Brain Areas Differentially Innervated by the Dorsal and Median Raphe Nuclei

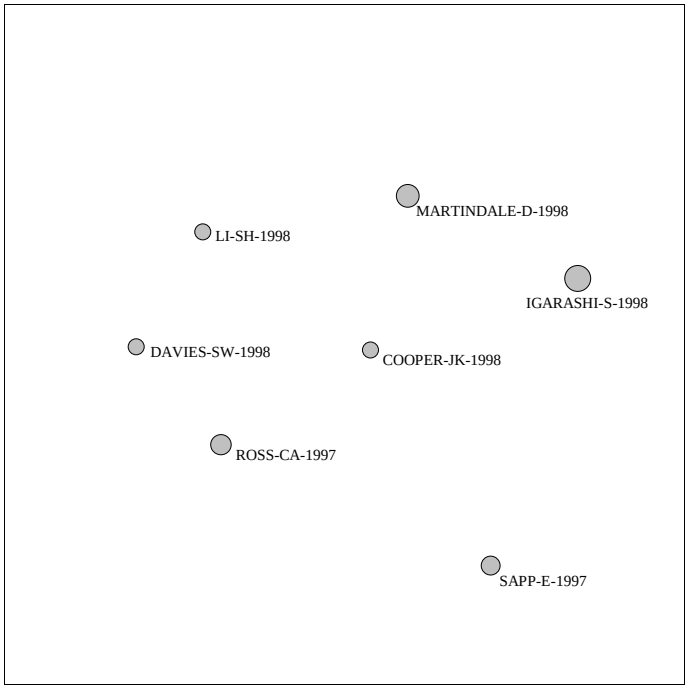
3 Dawson-LA Nguyen-HQ
Effects of 5-Ht1A Receptor Antagonists on Fluoxetine-Induced Changes in Extracellular Serotonin Concentrations in Rat Frontal-Cortex

3 Mitchell-PJ Redfern-PH
Potentiation of the Time-Dependent, Antidepressant-Induced Changes in the Agonistic Behavior of Resident Rats by the 5-Ht1A Receptor Antagonist, Way-100635

HDS 17: Polyglutamine-Expanded Human Huntingtin Transgenes

7 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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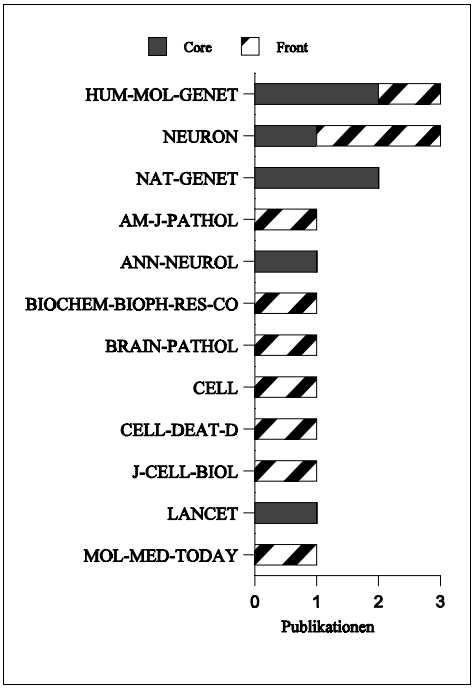
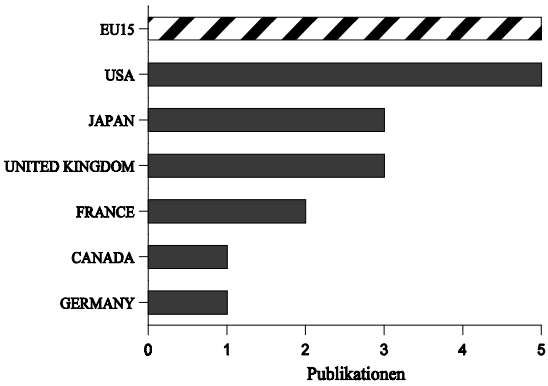


Akteure (Forschungsfront)

Institutionen

2 MASSACHUSETTS-GEN-HOSP, USA
2 MRC, UNITED KINGDOM
2 UNIV-PENN, USA
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Bates-GP Mangiarini-L Davies-SW
Transgenic Mice in the Study of Polyglutamine Repeat Expansion Diseases

7 Jackson-GR Salecker-I Dong-XZ Yao-X Arnheim-N Faber-PW Macdonald-ME Zipursky-SL
Polyglutamine-Expanded Human Huntingtin Transgenes Induce Degeneration of Drosophila Photoreceptor Neurons

5 Saudou-F Finkbeiner-S Devys-D Greenberg-ME
Huntingtin Acts in the Nucleus to Induce Apoptosis But Death Does Not Correlate with the Formation of Intranuclear Inclusions

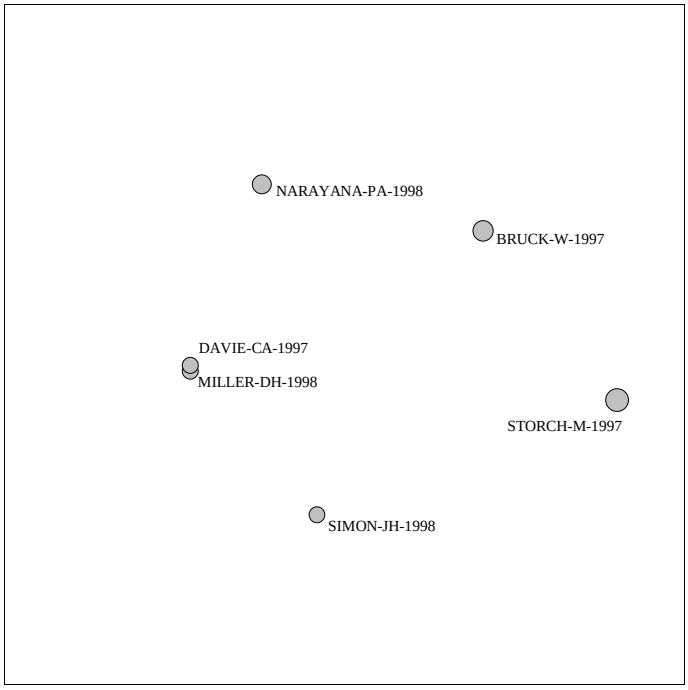
4 Hackam-AS Singaraja-R Wellington-CL Metzler-M Mccutcheon-K Zhang-TQ Kalchman-M Hayden-MR
The Influence of Huntingtin Protein Size on Nuclear-Localization and Cellular Toxicity

4 Lunkes-A Mandel-JL
A Cellular-Model That Recapitulates Major Pathogenic Steps of Huntingtons-Disease

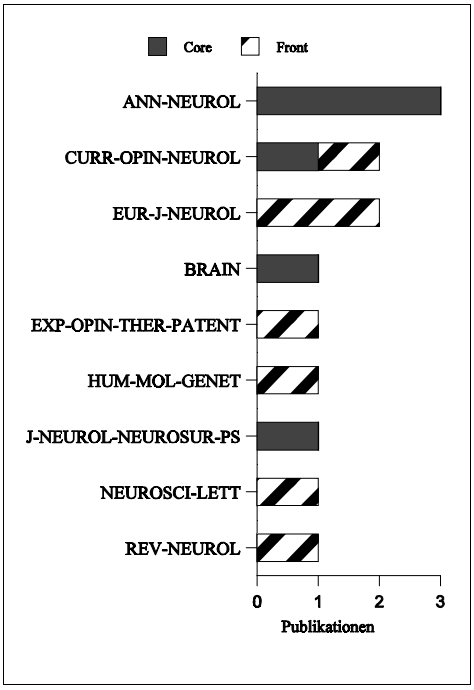
HDS 18: MRI in Multiple-Sclerosis

6 Kernpublikationen / 7 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

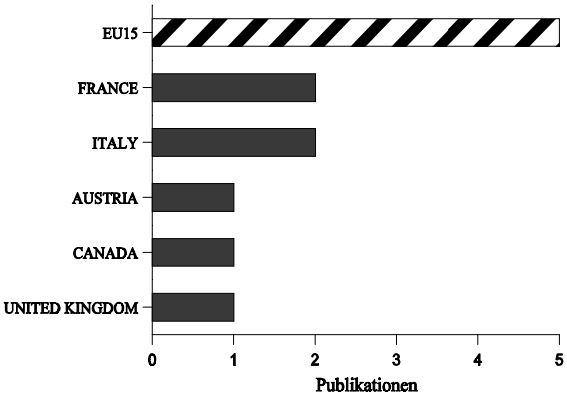


Akteure (Forschungsfront)

Institutionen

2 CHU-PURPAN, FRANCE
2 CHU-RANGUEIL, FRANCE
1 HAMMERSMITH-HOSP, UNITED KINGDOM
1 SAN-RAFFAELE-SCI-INST, ITALY
1 UNIV-CAGLIARI, ITALY
1 UNIV-CALGARY, CANADA
1 UNIV-VIENNA, AUSTRIA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

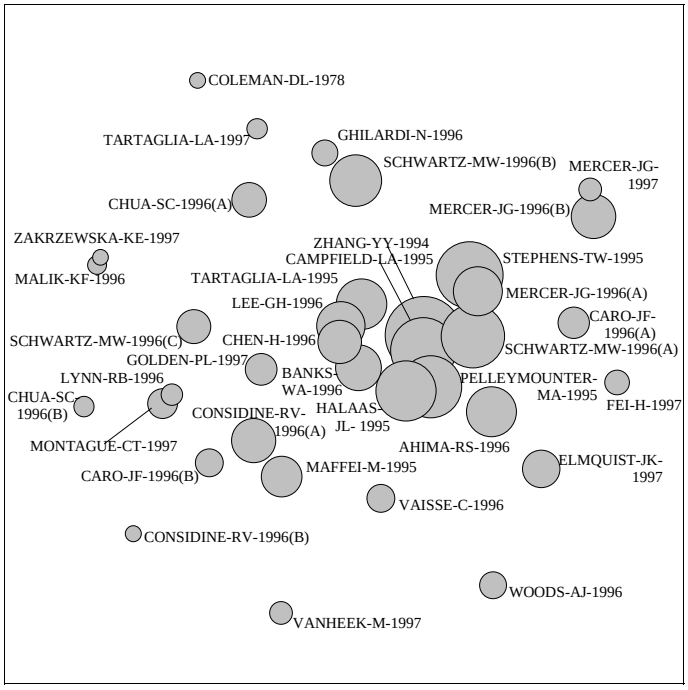
6 Berry-I Ranjeva-JP Manelfe-C Clanet-M
Magnetic-Resonance-Imaging of Multiple-Sclerosis Lesions

6 Clanet-M Berry-I
Magnetic-Resonance-Imaging in Multiple-Sclerosis

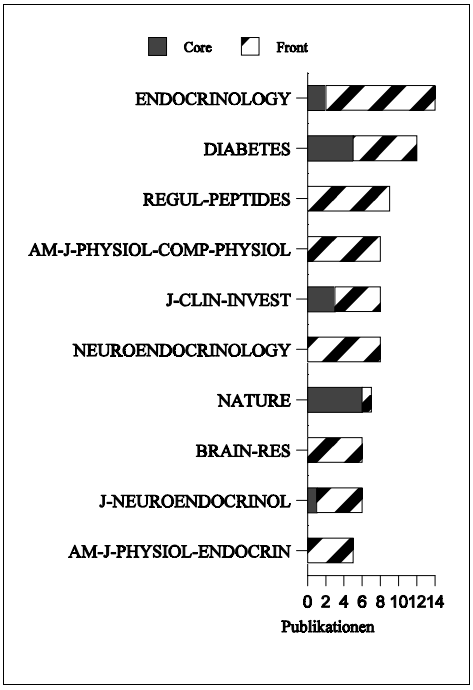
HDS 19: Neurobiology of OB Protein (Leptin)

36 Kernpublikationen / 150 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

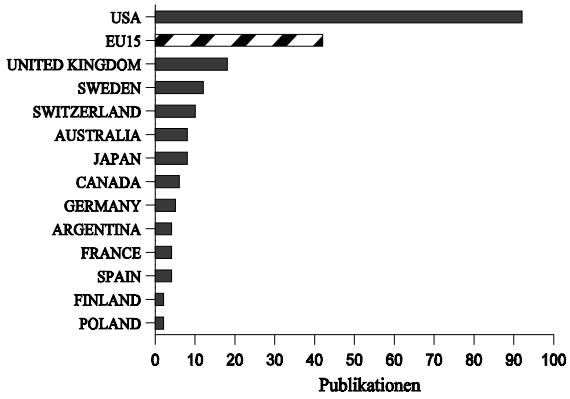


Akteure (Forschungsfront)

Institutionen

14 UNIV-WASHINGTON, USA
11 UNIV-FLORIDA, USA
8 HARVARD-UNIV, USA
7 ROWETT-RES-INST, UK
6 UNIV-GENEVA, SWITZERLAND
5 HOFFMANN-LA-ROCHE-INC, USA
5 UNIV-MELBOURNE, AUSTRALIA
5 VET-AFFAIRS-MED-CTR, USA
4 AMGEN-INC, USA
4 KAROLINSKA-INST, SWEDEN
4 LOUISIANA-STATE-UNIV, USA
4 SMITHKLINE-BEECHAM-PHARMACEUT, UK
4 UNIV-CINCINNATI, USA
4 UNIV-GIESSEN, GERMANY
(und weitere 137 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

25 Porte-D Seeley-RJ Woods-SC Baskin-DG Figlewicz-DP Schwartz-MW
Obesity, Diabetes and the Central-Nervous-System

23 Campfield-LA Smith-FJ
Overview - Neurobiology of OB Protein (Leptin)

22 Burguera-B Jensen-MD
Obesity - Is the Brain Responsible

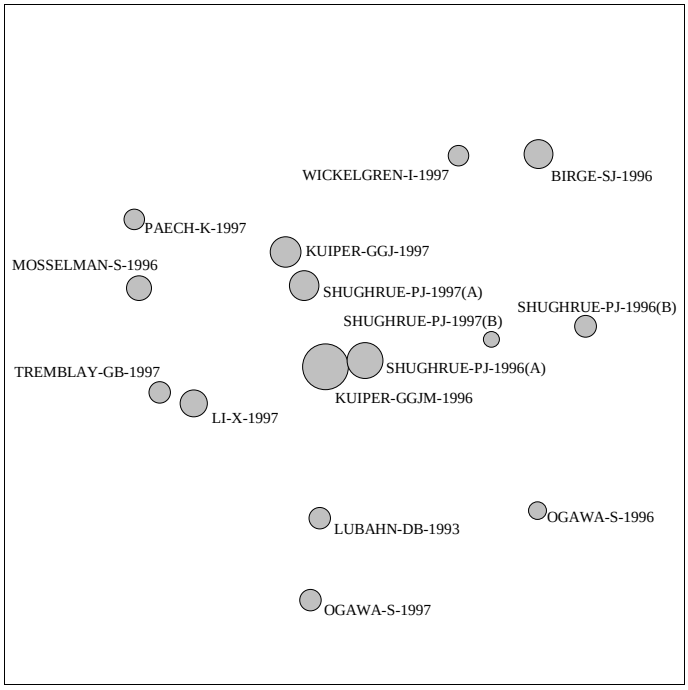
22 Elmquist-JK Maratosflier-E Saper-CB Flier-JS
Unraveling the Central-Nervous-System Pathways Underlying Responses to Leptin

22 Karonen-SL Koistinen-HA Nikkinen-P Koivisto-VA
Is Brain Uptake of Leptin in-Vivo Saturable and Reduced by Fasting

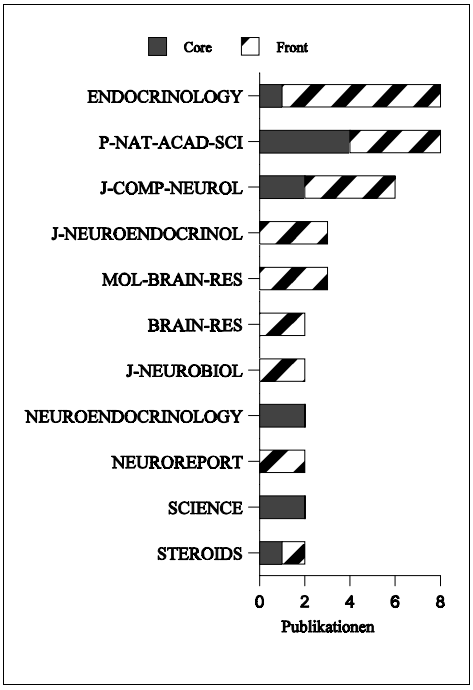
HDS 20: Estrogen Receptor-Beta Messenger-RNA

15 Kernpublikationen / 43 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

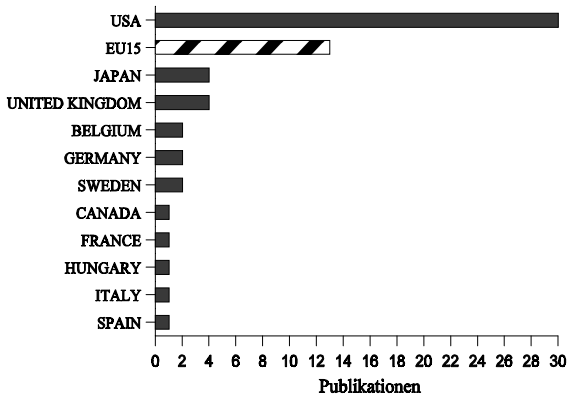


Akteure (Forschungsfront)

Institutionen

6 ROCKEFELLER-UNIV, USA
6 WYETH-AYERST-RES, USA
3 BABRAHAM-INST, UNITED KINGDOM
3 TOKYO-METROPOLITAN-INST-NEUROSCI, JAPAN
2 CORNELL-UNIV, USA
2 DUKE-UNIV, USA
2 JOHNS-HOPKINS-UNIV, USA
2 KAROLINSKA-INST, SWEDEN
2 NIEHS, USA
2 UNIV-LIEGE, BELGIUM
2 UNIV-MISSOURI, USA
2 UNIV-SO-CALIF, USA
2 UNIV-VIRGINIA, USA
2 US-EPA, USA
(und weitere 33 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

9 Shughrue-P Scrimo-P Lane-M Askew-R Merchenthaler-I
The Distribution of Estrogen Receptor-Beta Messenger-RNA in Forebrain Regions of the Estrogen Receptor-Alpha Knockout Mouse

8 Alves-SE Lopez-V Mcewen-BS Weiland-NG
Differential Colocalization of Estrogen-Receptor-Beta (Er-Beta) with Oxytocin and Vasopressin in the Paraventricular and Supraoptic Nuclei of the Female Rat-Brain - An Immunocytochemical Study

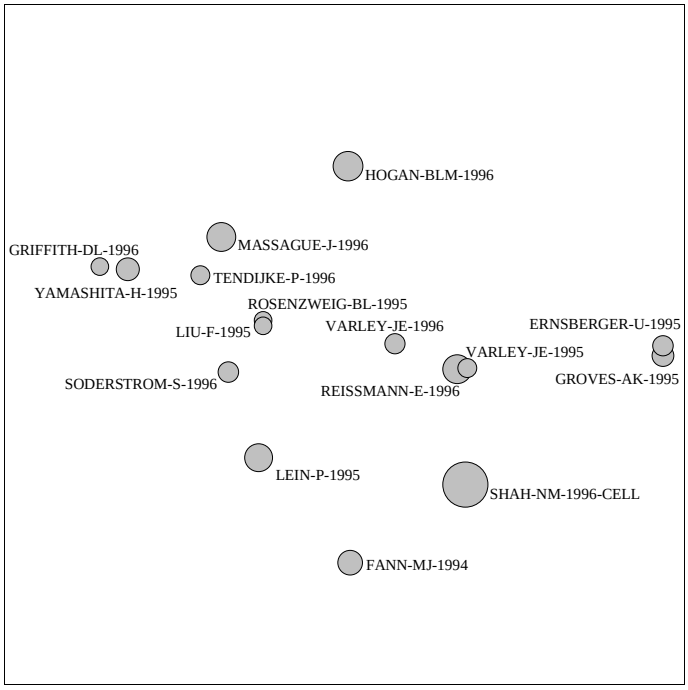
8 Shughrue-PJ Lane-MV Merchenthaler-I
Comparative Distribution of Estrogen Receptor-Alpha and Receptor-Beta Messenger-RNA in the Rat Central-Nervous-System

8 Shughrue-PJ Lane-MV Merchenthaler-I
Regulation of Progesterone-Receptor Messenger-Ribonucleic-Acid in the Rat Medial Preoptic Nucleus by Estrogenic and Antiestrogenic Compounds - An in-Situ Hybridization Study

HDS 21: Bone Morphogenetic Proteins and Their Receptors

16 Kernpublikationen / 23 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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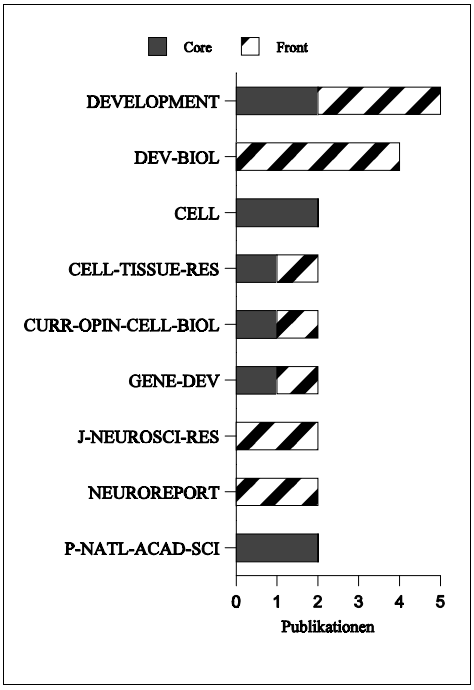
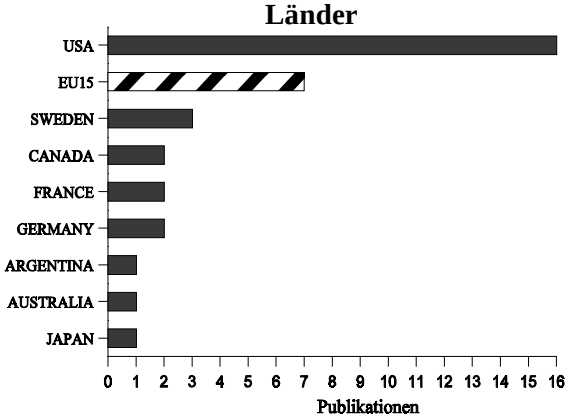


Akteure (Forschungsfront)

Institutionen

4 CREAT-BIOMOL-INC, USA
3 CALTECH, USA
3 UNIV-UPPSALA, SWEDEN
2 SUNY-BUFFALO, USA
2 UNIV-MEDITERRANEE, FRANCE
2 YESHIVA-UNIV-ALBERT-EINSTEIN-COLL-MED, USA
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

14 Varley-JE Mcpherson-CE Zou-H Niswander-L Maxwell-GD
Expression of a Constitutively Active Type-I Bmp Receptor Using a Retroviral Vector Promotes the Development of Adrenergic Cells in Neural Crest Cultures

13 Ebendal-T Bengtsson-H Soderstrom-S
Bone Morphogenetic Proteins and Their Receptors - Potential Functions in the Brain

12 Bengtsson-H Soderstrom-S Kylberg-A Charette-MF Ebendal-T
Potentiating Interactions Between Morphogenetic Protein and Neurotrophic Factors in Developing Neurons

12 Zhang-DM Mehler-MF Song-QB Kessler-JA
Development of Bone Morphogenetic Protein Receptors in the Nervous-System and Possible Roles in Regulating Trkc Expression

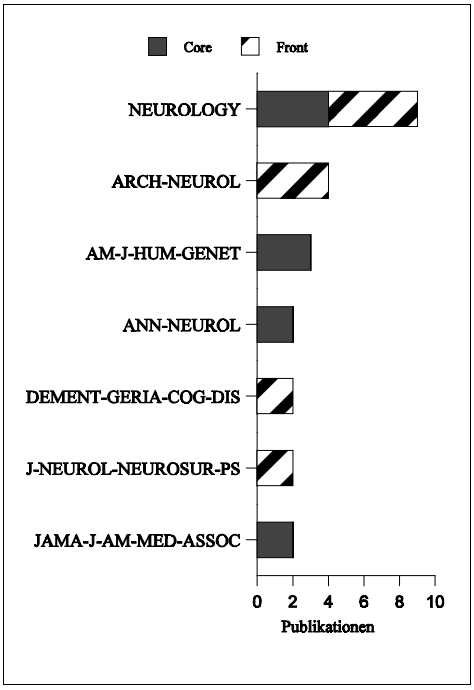
9 Carri-NG Bengtsson-H Charette-MF Ebendal-T
Bmpr-II Expression and Op-1 Effects in Developing Chicken Retinal Explants

HDS 22: Apolipoprotein-E and Alzheimers-Disease

13 Kernpublikationen / 27 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

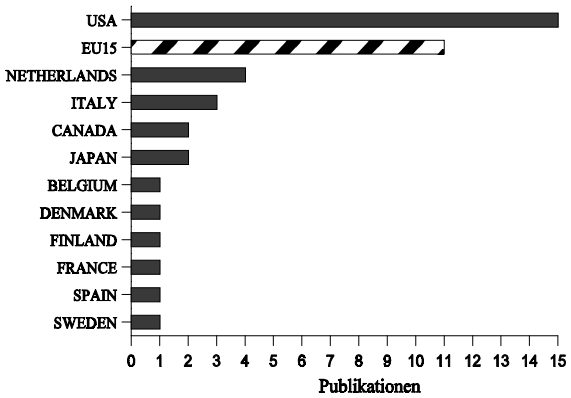


Akteure (Forschungsfront)

Institutionen

3 DUKE-UNIV, USA
2 ERASMUS-UNIV, NETHERLANDS
2 INDIANA-UNIV, USA
2 MCGILL-UNIV, CANADA
2 TEXAS-TECH-UNIV, USA
2 UNIV-WASHINGTON, USA
(und weitere 49 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

12 Slooter-AJC Vanduijn-CM
Genetic Epidemiology of Alzheimer-Disease

7 Beffert-U Danik-M Krzywkowski-P Ramassamy-C Berrada-F Poirier-J
The Neurobiology of Apolipoproteins and Their Receptors in the CNS and Alzheimers-Disease

7 Scott-WK
Heredity and Alzheimers-Disease - Basic Findings and Clinical Implications

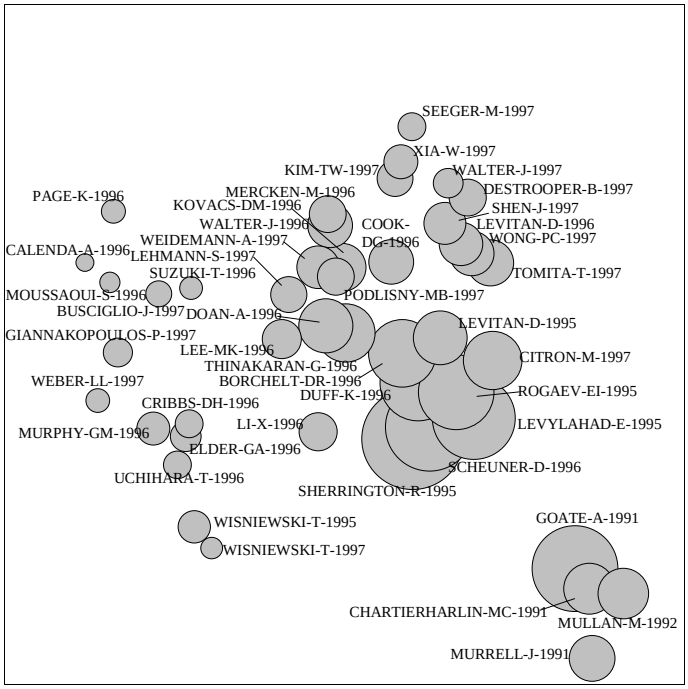
6 Combarros-O Leno-C Oterino-A Berciano-J Fernandezluna-JL Fernandezviadero-C Pena-N Miro-J Delgado-M
Gender Effect on Apolipoprotein-E Epsilon-4 Allele-Associated Risk for Sporadic Alzheimers-Disease

6 Martinez-M Campion-D Brice-A Hannequin-D Dubois-B Didierjean-O Michon-A Thomasanterion-C Puel-M Frebourg-T Agid-Y Clergetdarpoux-F
Apolipoprotein-E Epsilon-4 Allele and Familial Aggregation of Alzheimer-Disease

HDS 23: Presenilins and Alzheimers-Disease

45 Kernpublikationen / 265 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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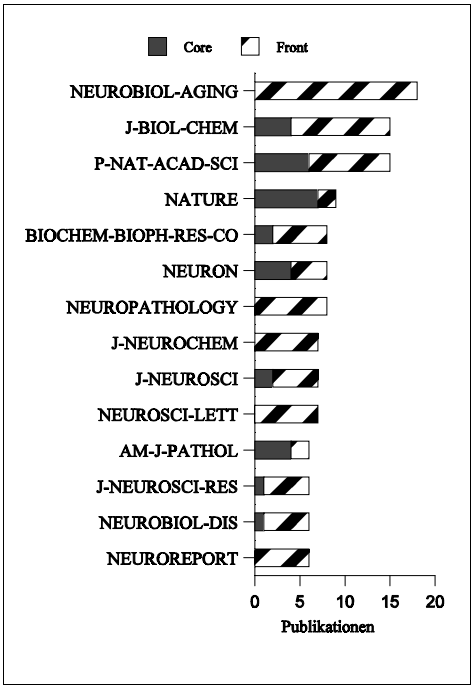
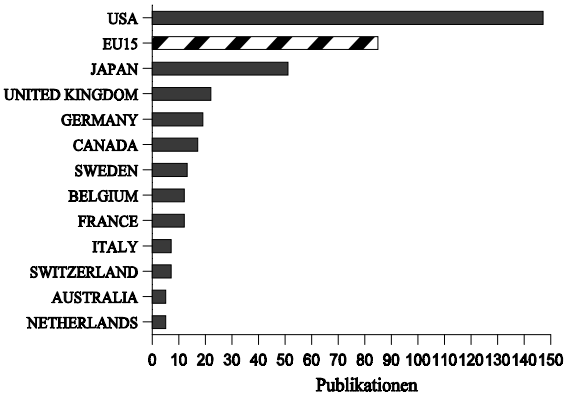


Akteure (Forschungsfront)

Institutionen

18 HARVARD-UNIV, USA
18 UNIV-TOKYO, JAPAN
13 UNIV-TORONTO, CANADA
12 MASSACHUSETTS-GEN-HOSP, USA
12 MAYO-CLIN-JACKSONVILLE, USA
11 JOHNS-HOPKINS-UNIV, USA
8 DUKE-UNIV, USA
8 UNIV-KENTUCKY, USA
7 CENT-INST-MENTAL-HLTH, GERMANY
7 GUNMA-UNIV, JAPAN
7 KAROLINSKA-INST, SWEDEN
7 NYU, USA
7 TORONTO-HOSP, CANADA
7 UNIV-ANTWERP, BELGIUM
(und weitere 271 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

35 Mcgeer-PL Kawamata-T Mcgeer-EG
Localization and Possible Functions of Presenilins in Brain

31 Mattson-MP Guo-Q Furukawa-K Pedersen-WA
Presenilins, the Endoplasmic-Reticulum, and Neuronal Apoptosis in Alzheimers-Disease

30 Kovacs-DM Tanzi-RE
Monogenic Determinants of Familial Alzheimers-Disease - Presenilin-1 Mutations

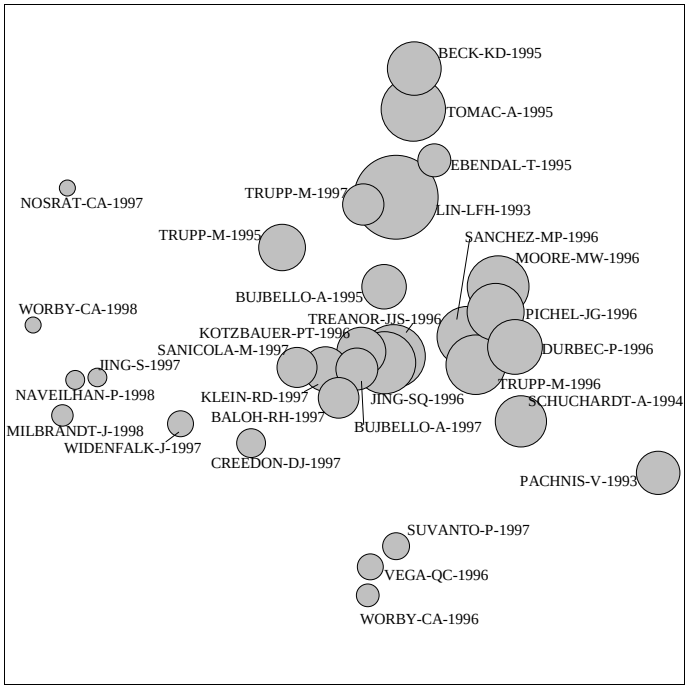
27 Price-DL Sisodia-SS
Mutant-Genes in Familial Alzheimers-Disease and Transgenic Models

26 Mattson-MP Guo-Q
Cell and Molecular Neurobiology of Presenilins - A Role for the Endoplasmic-Reticulum in the Pathogenesis of Alzheimers-Disease

HDS 24: Gdnf Family Receptor

31 Kernpublikationen / 162 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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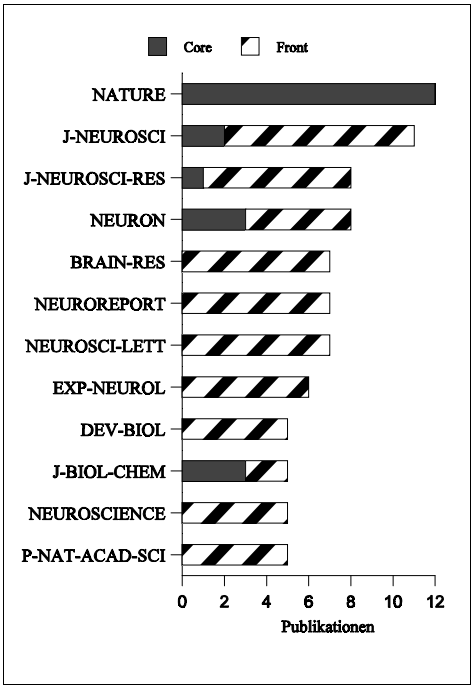
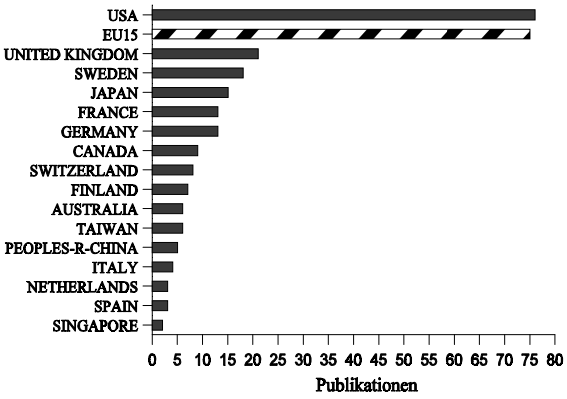


Akteure (Forschungsfront)

Institutionen

12 AMGEN-INC, USA
10 KAROLINSKA-INST, SWEDEN
8 WASHINGTON-UNIV, USA
7 GENENTECH-INC, USA
7 UNIV-HELSINKI, FINLAND
6 UNIV-CAMBRIDGE, UNITED KINGDOM
5 UNIV-MEDITERRANEE, FRANCE
4 DALHOUSIE-UNIV, CANADA
4 LUND-UNIV, SWEDEN
4 NICHHD, USA
4 NIDA, USA
4 TOHOKU-UNIV, JAPAN
4 UNIV-HEIDELBERG, GERMANY
4 UNIV-KENTUCKY, USA
4 UNIV-LAUSANNE, SWITZERLAND
(und weitere 157 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

26 Thompson-J Doxakis-E Pinon-LGP Strachan-P Bujbello-A Wyatt-S Buchman-VL Davies-AM
GFR-Alpha-4, a New Gdnf Family Receptor

24 Luukko-K Saarma-M Thesleff-I
Neurturin Messenger-RNA Expression Suggests Roles in Trigeminal Innervation of the First Branchial Arch and in Tooth Formation

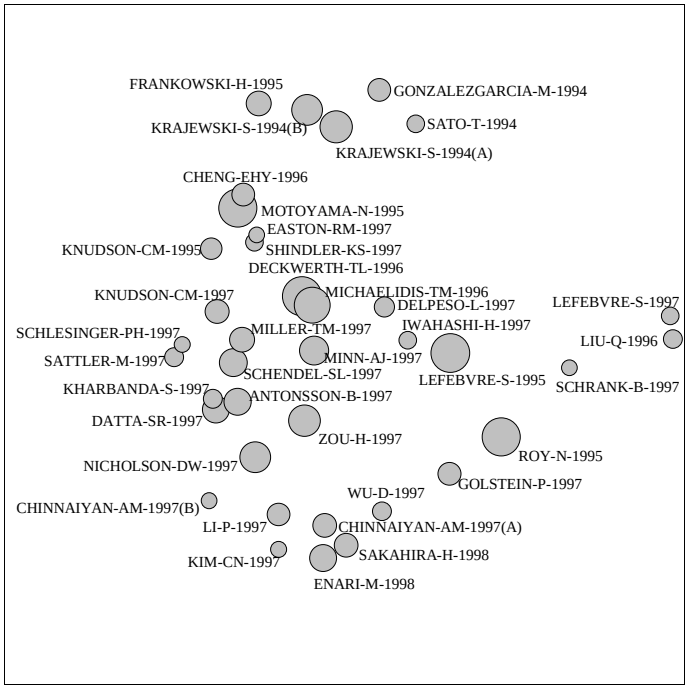
21 Enomoto-H Araki-T Jackman-A Heuckeroth-RO Snider-WD Johnson-EM Milbrandt-J
GFR-Alpha-1-Deficient Mice Have Deficits in the Enteric Nervous-System and Kidneys

21 Yu-T Scully-S Yu-YB Fox-GM Jing-SQ Zhou-RP
Expression of Gdnf Family Receptor Components During Development - Implications in the Mechanisms of Interaction

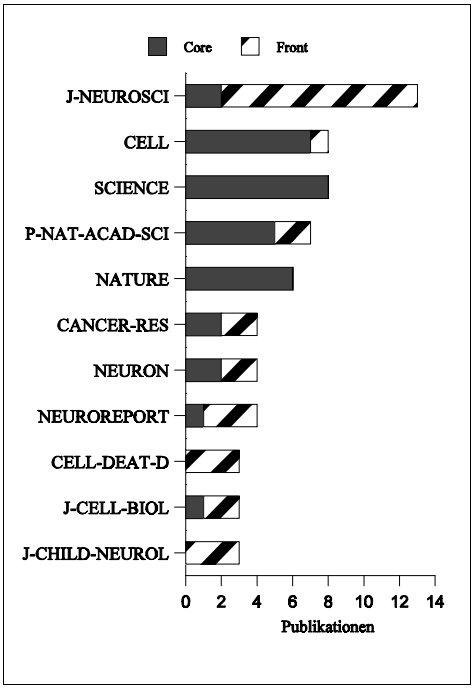
HDS 25: Neuronal Cell-Death

40 Kernpublikationen / 89 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

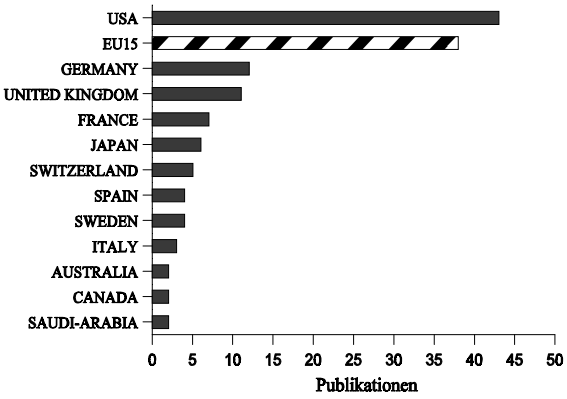


Akteure (Forschungsfront)

Institutionen

9 HARVARD-UNIV, USA
8 WASHINGTON-UNIV, USA
4 UNIV-WASHINGTON, USA
3 BURNHAM-INST, USA
3 JOHNS-HOPKINS-UNIV, USA
3 UNIV-COLL-LONDON, UNITED KINGDOM
3 UNIV-TUBINGEN, GERMANY
2 CNRS, FRANCE
2 GLAXO, SWITZERLAND
2 KAROLINSKA-INST, SWEDEN
2 OSAKA-UNIV, JAPAN
2 UNIV-BARCELONA, SPAIN
2 UNIV-HEIDELBERG, GERMANY
2 UNIV-KONSTANZ, GERMANY
2 UNIV-MAINZ, GERMANY
(und weitere 105 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

26 Pettmann-B Henderson-CE
Neuronal Cell-Death

22 Morrison-RS Kinoshita-Y Xiang-H Johnson-MD Kuntz-C Ghatan-S Ho-JT Schwartzkroin-PA
Mechanisms of Neuronal Cell-Death

18 Sadoul-R
Bcl-2 Family Members in the Development and Degenerative Pathologies of the Nervous-System

15 Bergeron-L Yuan-JY
Sealing Ones Fate - Control of Cell-Death in Neurons

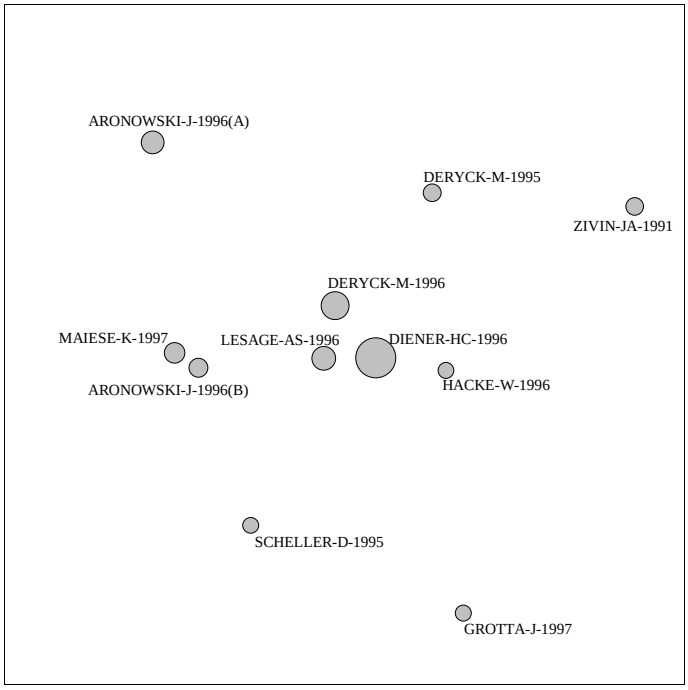
14 Montal-M
Mitochondria, Glutamate Neurotoxicity and the Death Cascade

13 Neame-SJ Rubin-LL Philpott-KL
Blocking Cytochrome-C Activity Within Intact Neurons Inhibits Apoptosis

HDS 26: Lubeluzole Treatment of Acute Ischemic Stroke

11 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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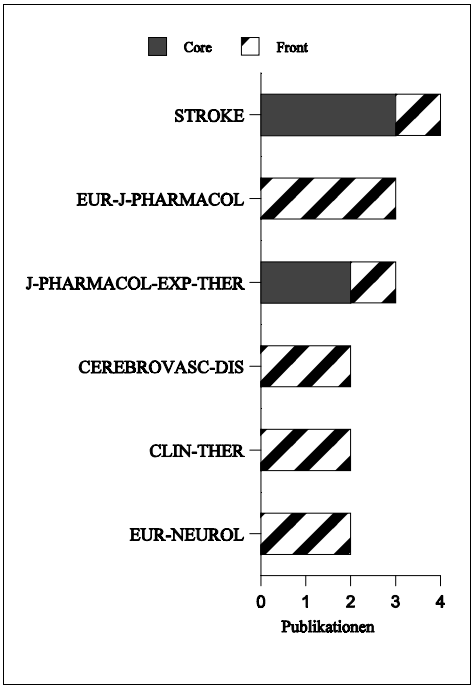
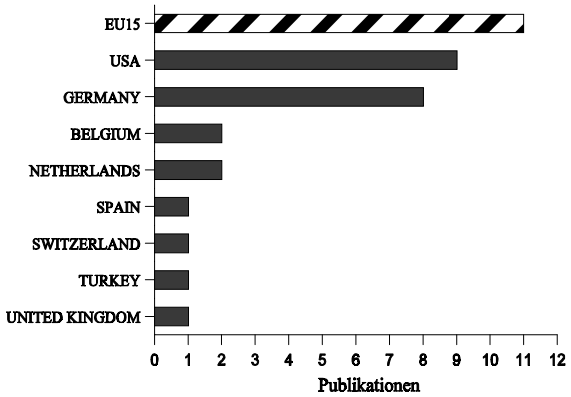


Akteure (Forschungsfront)

Institutionen

2 JANSSEN-RES-FDN, BELGIUM
2 JANSSEN-RES-FDN, USA
2 UNIV-HEIDELBERG, GERMANY
2 UNIV-MASSACHUSETTS, USA
2 UNIV-TEXAS, USA
(und weitere 18 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Diener-HC
Multinational Randomized Controlled Trial of Lubeluzole in Acute Ischemic Stroke

7 Culmsee-C Junker-V Wolz-P Semkova-I Krieglstein-J
Lubeluzole Protects Hippocampal-Neurons from Excitotoxicity in-Vitro and Reduces Brain-Damage Caused by Ischemia

7 Gengo-FM
The Stroke Pharmacopeia - Promising Experimental Therapies

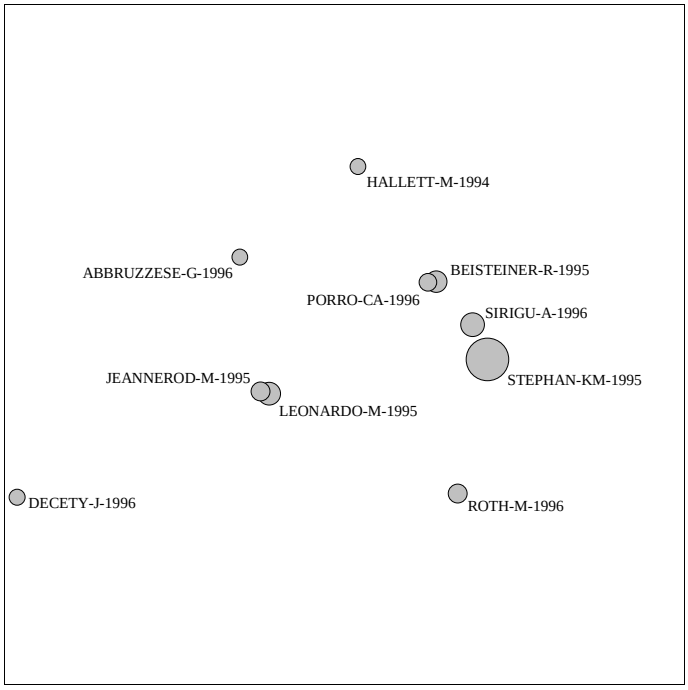
7 Grotta-J
Lubeluzole Treatment of Acute Ischemic Stroke

7 Herron-J Lee-P Pescokoplowitz-L Gajjar-D Soo-YW Woestenborghs-R
Determination of the Dose Proportionality of Single Intravenous Doses (5, 10, and 15 Mg) of Lubeluzole in Healthy-Volunteers

HDS 27: Visuomotor Imagery

10 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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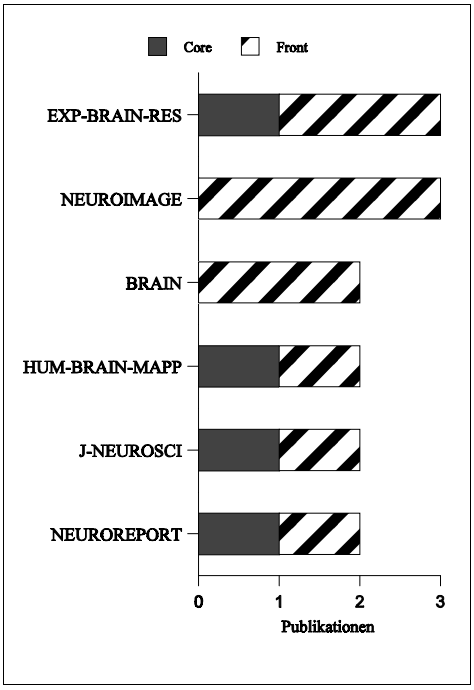
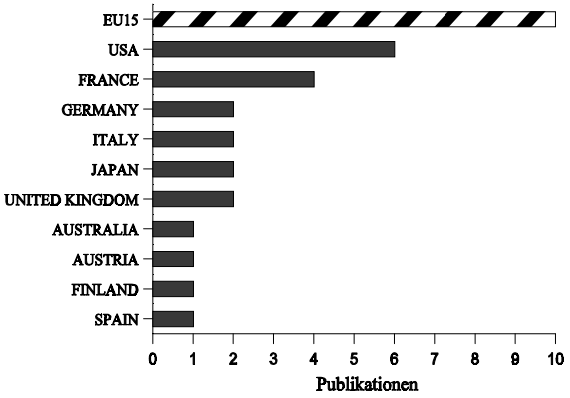


Akteure (Forschungsfront)

Institutionen

2 NINCDS, USA
(und weitere 33 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

8 Schnitzler-A Salenius-S Salmelin-R Jousmaki-V Hari-R
Involvement of Primary Motor Cortex in Motor Imagery - A Neuromagnetic Study

7 Deiber-MP Ibanez-V Honda-M Sadato-N Raman-R Hallett-M
Cerebral Processes Related to Visuomotor Imagery and Generation of Simple Finger Movements Studied with Positron-Emission-Tomography

7 Mellet-E Petit-L Mazoyer-B Denis-M Tzourio-N
Reopening the Mental-Imagery Debate - Lessons from Functional-Anatomy

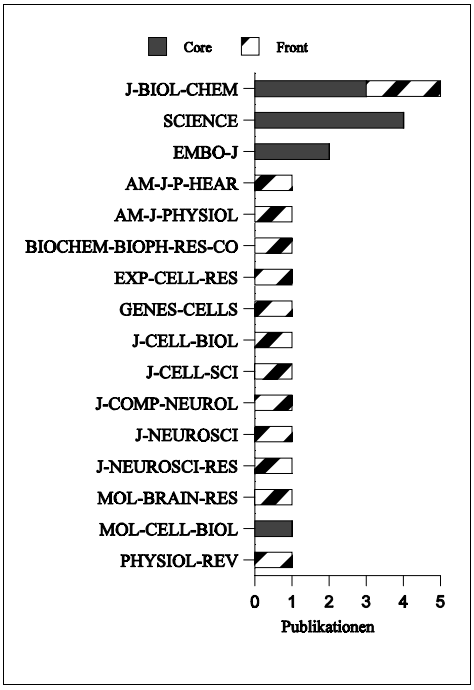
5 Luft-AR Skalej-M Stefanou-A Klose-U Voigt-K
Comparing Motion-Related and Imagery-Related Activation in the Human Cerebellum - A Functional MRI Study

HDS 28: Rho and Rho-Kinase

10 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

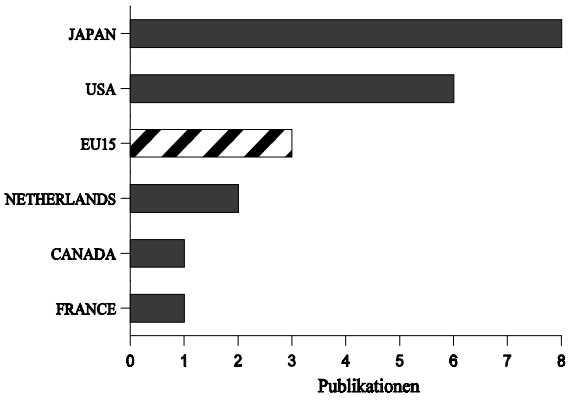


Akteure (Forschungsfront)

Institutionen

3 KOBE-UNIV, JAPAN
2 HYOGO-INST-AGING-BRAIN-&-COGNIT-DISORDERS, JAPAN
2 KYOTO-UNIV, JAPAN
2 NARA-INST-SCI-&-TECHNOL, JAPAN
2 NETHERLANDS-CANC-INST, NETHERLANDS
(und weitere 20 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

9 Amano-M Chihara-K Nakamura-N Fukata-Y Yano-T Shibata-M Ikebe-M Kaibuchi-K
Myosin-II Activation Promotes Neurite Retraction During the Action of Rho and Rho-Kinase

8 Katoh-H Aoki-J Ichikawa-A Negishi-M
P160 Rhoa-Binding Kinase Rok-Alpha Induces Neurite Retraction

7 Hashimoto-R Nakamura-Y Goto-H Wada-Y Sakoda-S Kaibuchi-K Inagaki-M Takeda-M
Domain- and Site-Specific Phosphorylation of Bovine NF-L by Rho-Associated Kinase

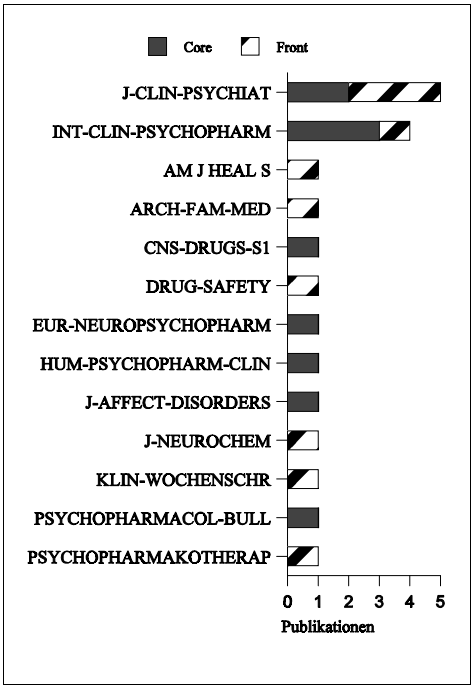
5 Hirose-M Ishizaki-T Watanabe-N Uehata-M Kranenburg-O Moolenaar-WH Matsumura-F Maekawa-M Bito-H Narumiya-S
Molecular Dissection of the Rho-Associated Protein-Kinase (P160Rock)-Regulated Neurite Remodeling in Neuroblastoma N1E-115 Cells

HDS 29: Mirtazapine and Severe Major Depressive Disorder

10 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

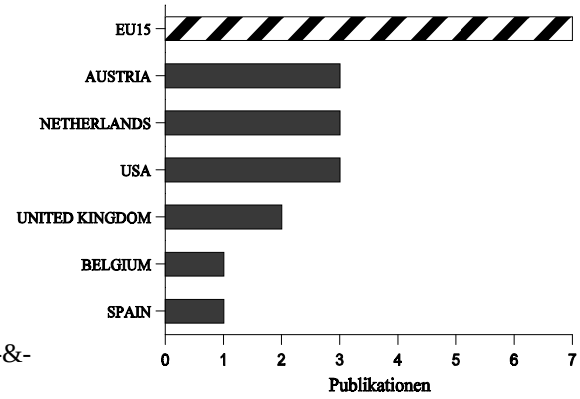


Akteure (Forschungsfront)

Institutionen

3 NV-ORGANON, NETHERLANDS
3 UNIV-VIENNA, AUSTRIA
1 DELTA-PSYCHIAT-HOSP, NETHERLANDS
1 INDIANA-UNIV, USA
1 ROYAL-MASONIC-HOSP, UNITED KINGDOM
1 RUSH-MED-COLL, USA
1 SAN-FRANCISCO-GEN-HOSP, USA
1 STATE-UNIV-GHENT-HOSP, BELGIUM
1 UNIV-BALEARIC-ISL, SPAIN
1 UNIV-BASQUE-COUNTRY, SPAIN
1 UNIV-CALIF-SAN-FRANCISCO, USA
1 UNIV-CANTABRIA, SPAIN
1 UNIV-LONDON-IMPERIAL-COLL-SCI-TECHNOL-&-MED, UNITED KINGDOM

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Kasper-S Praschakrieder-N Tauscher-J Wolf-R
A Risk-Benefit Assessment of Mirtazapine in the Treatment of Depression

9 Wheatley-DP Vanmoffaert-M Timmerman-L Kremer-CME
Mirtazapine - Efficacy and Tolerability in Comparison with Fluoxetine in Patients with Moderate to Severe Major Depressive Disorder

8 Puzantian-T
Mirtazapine, an Antidepressant

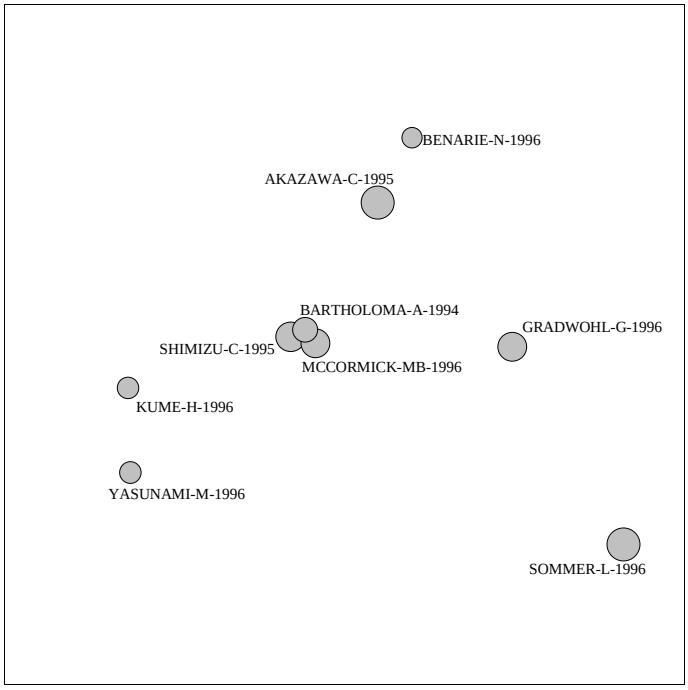
6 Montgomery-SA Reimitz-PE Zivkov-M
Mirtazapine Versus Amitriptyline in the Long-Term Treatment of Depression - A Double-Blind Placebo-Controlled Study

5 Bailer-U Praschakrieder-N Pezawas-L Kasper-S
The Use of Mirtazapine in Depressed Inpatients

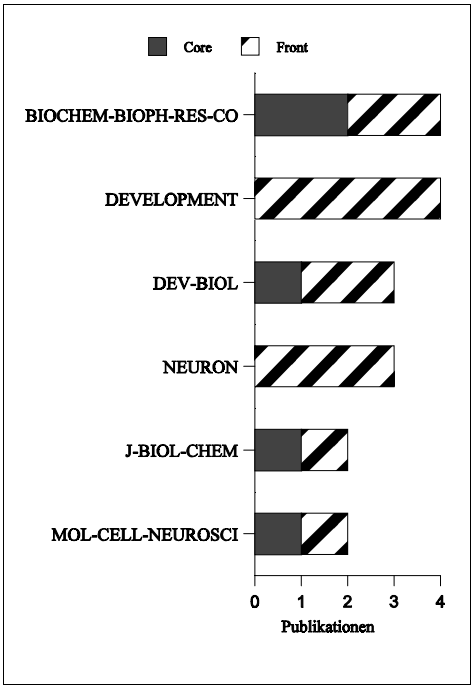
HDS 30: Basic Helix-Loop-Helix Proteins

9 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

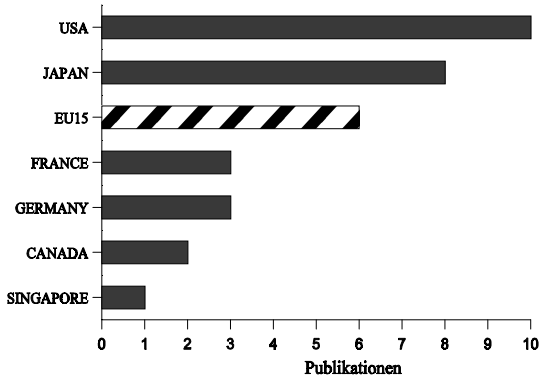


Akteure (Forschungsfront)

Institutionen

5 KYOTO-UNIV, JAPAN
4 CALTECH, USA
2 DEUTSCH-KREBSFORSCHUNGSZENTRUM, GERMANY
2 JAPAN-SCI-&-TECHNOL-CORP, JAPAN
2 OSAKA-UNIV, JAPAN
2 UNIV-HEIDELBERG, GERMANY
2 UNIV-TEXAS, USA
2 UNIV-TOKYO, JAPAN
(und weitere 22 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

9 Vermakurvari-S Savage-T Smith-D Johnson-JE
Multiple Elements Regulate Mash1 Expression in the Developing CNS

8 Kageyama-R Ishibashi-M Takebayashi-K Tomita-K
Bhlh Transcription Factors and Mammalian Neuronal Differentiation

8 Schwab-MH Druffelaugustin-S Gass-P Jung-M Klugmann-M Bartholomae-A Rossner-MJ Nave-KA
Neuronal Basic Helix-Loop-Helix Proteins (Nex, Neurod, Ndrf) - Spatiotemporal Expression and Targeted Disruption of the Nex Gene in Transgenic Mice

7 Helms-AW Johnson-JE
Progenitors of Dorsal Commissural Interneurons Are Defined by Math1 Expression

7 Ma-QF Chen-ZF Barrantes-ID Delapompa-JL Anderson-DJ
Neurogenin1 Is Essential for the Determination of Neuronal Precursors for Proximal Cranial Sensory Ganglia

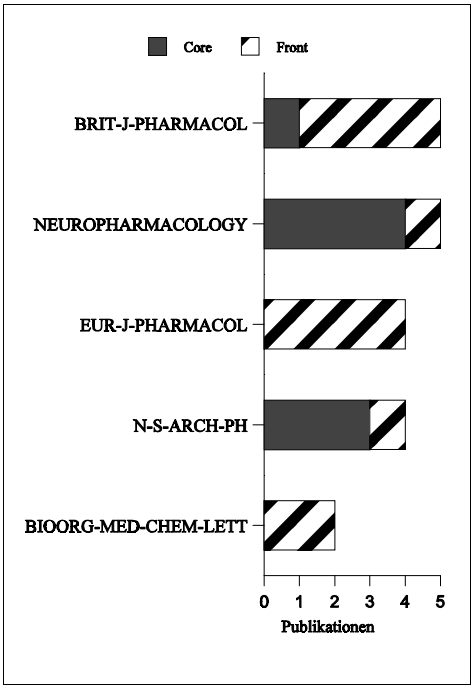
7 Tsuda-H Takebayashi-K Nakanishi-S Kageyama-R
Structure and Promoter Analysis of Math3 Gene, a Mouse Homolog of Drosophila Proneural Gene Atonal - Neural-Specific Expression by Dual Promoter Elements

HDS 31: 5-HT Autoreceptors

9 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

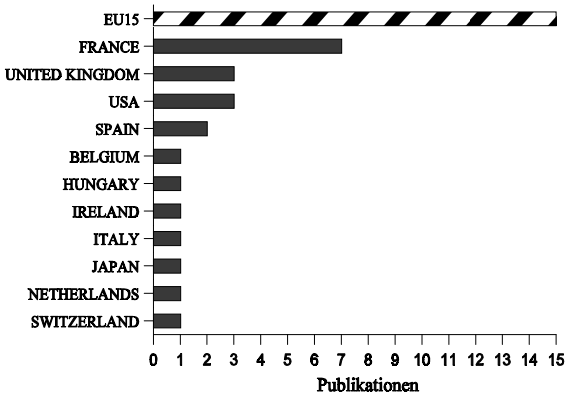


Akteure (Forschungsfront)

Institutionen

4 CTR-RECH-PIERRE-FABRE, FRANCE
3 SMITHKLINE-BEECHAM-PHARMACEUT, UNITED KINGDOM
2 CSIC, SPAIN
(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Moret-C Briley-M
5-HT Autoreceptors in the Regulation of 5-HT Release from Guinea-Pig Raphe Nucleus and Hypothalamus

5 Gaster-LM Blaney-FE Davies-S Duckworth-DM Ham-P Jenkins-S Jennings-AJ Joiner-GF King-FD Mulholland-KR Wyman-PA Hagan-JJ Hatcher-J Jones-BJ Middlemiss-DN Price-GW Riley-G Roberts-C Routledge-C Selkirk-J Slade-PD
The Selective 5-Ht1B Receptor Inverse Agonist 1'-Methyl-5((2'-Methyl-4'-(5-Methyl-1,2,4-Oxadiazol-3-Yl)Biphenyl-4-Yl)Carbonyl)-2,3,6,7-Tetrahydrospiro(Furo(2,3-F)Indole-3,4'-Piperidine) (Sb-224289) Potently Blocks Terminal 5-HT Autoreceptor Function Both in-Vitro and in-Vivo

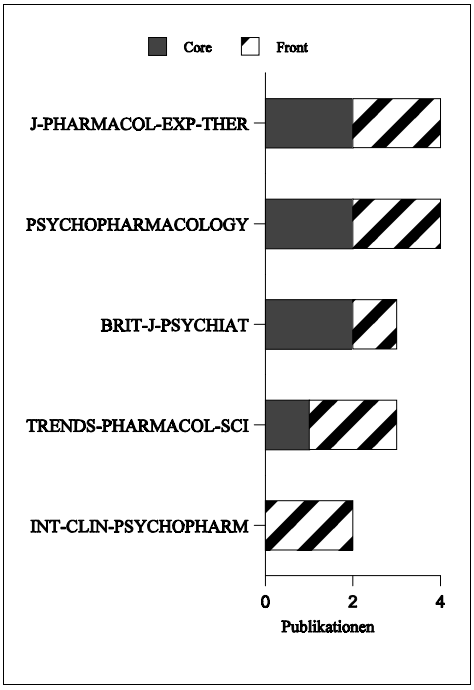
5 Roberts-C Belenguer-A Middlemiss-DN Routledge-C
Differential-Effects of 5-Ht1B/(1D) Receptor Antagonists in Dorsal and Median Raphe Innervated Brain-Regions

HDS 32: Amisulpride

9 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

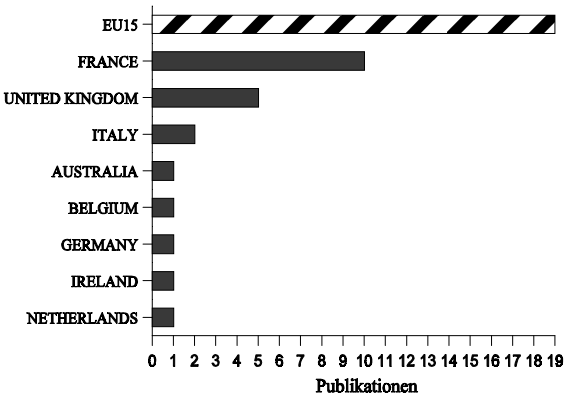


Akteure (Forschungsfront)

Institutionen

7 SYNTHELABO-RECH, FRANCE
3 HOP-LA-PITIE-SALPETRIERE, FRANCE
2 HOP-FERNAND-WIDAL, FRANCE
(und weitere 28 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Puech-A Fleurot-O Rein-W
Amisulpride, an Atypical Antipsychotic, in the Treatment of Acute Episodes of Schizophrenia - A Dose-Ranging Study vs. Haloperidol

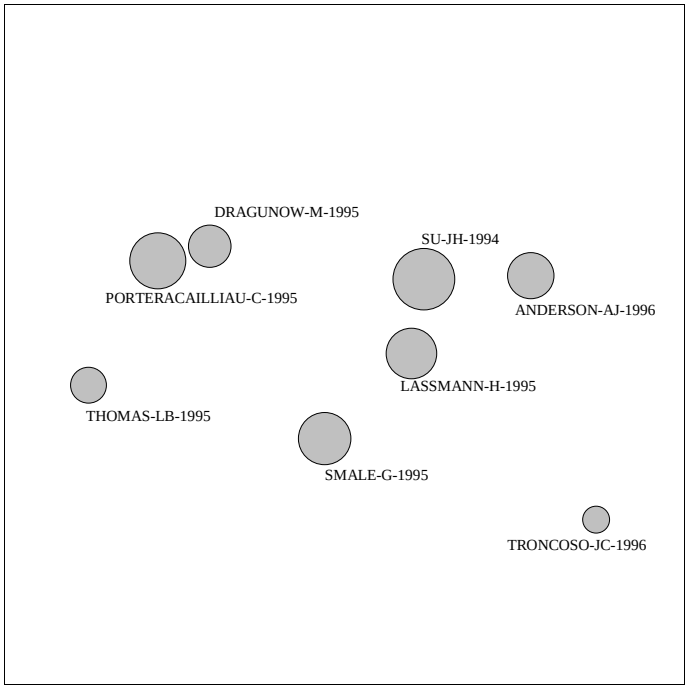
6 Cudennec-A Fage-D Benavides-J Scatton-B
Effects of Amisulpride, an Atypical Antipsychotic Which Blocks Preferentially Presynaptic Dopamine Autoreceptors, on Integrated Functional Cerebral-Activity in the Rat

6 Langer-SZ Scatton-B Schoemaker-H Rein-W
Presynaptic Receptors - More Hetero Than Auto - Langer Et-Al Reply

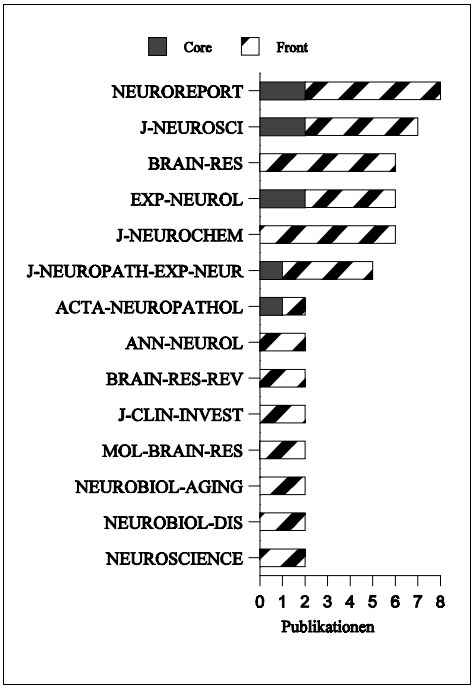
HDS 33: Apoptosis in Neurodegenerative Diseases

8 Kernpublikationen / 90 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

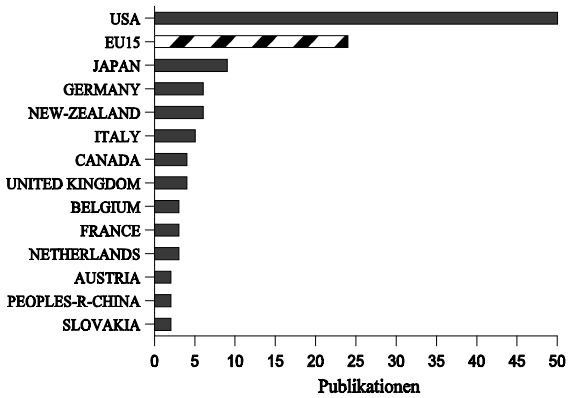


Akteure (Forschungsfront)

Institutionen

9 UNIV-KENTUCKY, USA
7 HARVARD-UNIV, USA
6 UNIV-AUCKLAND, NEW-ZEALAND
4 JOHNS-HOPKINS-UNIV, USA
4 MASSACHUSETTS-GEN-HOSP, USA
3 UNIV-CALIF-IRVINE, USA
3 UNIV-CALIF-LOS-ANGELES, USA
(und weitere 104 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Desjardins-P Ledoux-S
The Role of Apoptosis in Neurodegenerative Diseases

7 Connor-B Dragunow-M
The Role of Neuronal Growth-Factors in Neurodegenerative Disorders of the Human Brain

7 Dragunow-M Macgibbon-GA Lawlor-P Butterworth-N Connor-B Henderson-C Walton-M Woodgate-A Hughes-P Faull-RLM
Apoptosis, Neurotrophic Factors and Neurodegeneration

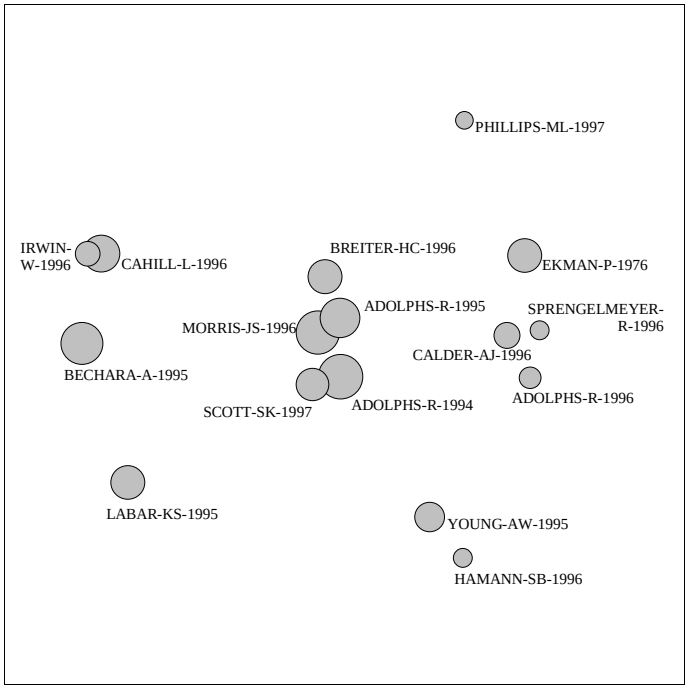
7 Morrison-RS Kinoshita-Y Xiang-H Johnson-MD Kuntz-C Ghatan-S Ho-JT Schwartzkroin-PA
Mechanisms of Neuronal Cell-Death

7 Stadelmann-C Bruck-W Bancher-C Jellinger-K Lassmann-H
Alzheimer-Disease - DNA Fragmentation Indicates Increased Neuronal Vulnerability, But Not Apoptosis

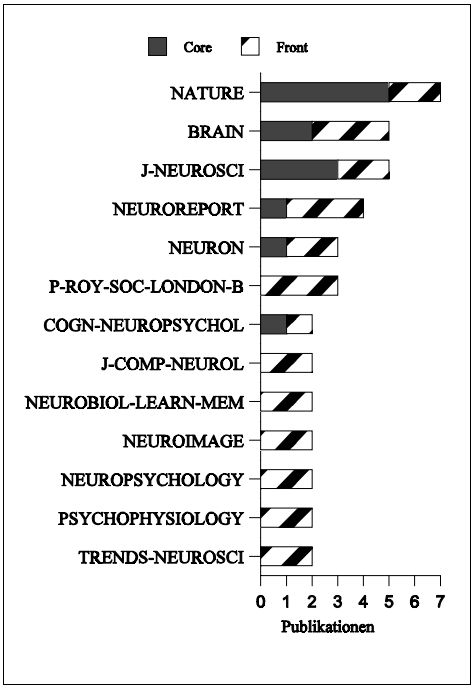
HDS 34: Recognition of Facial Expressions

16 Kernpublikationen / 57 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

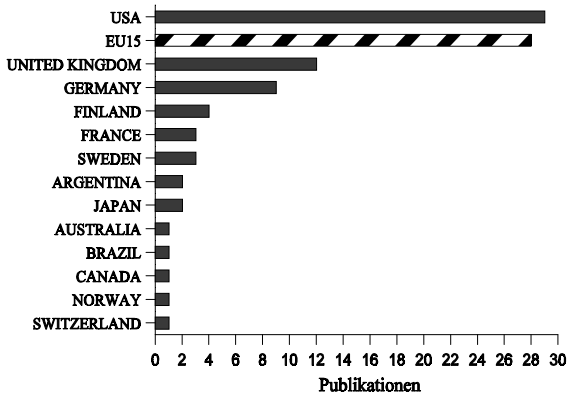


Akteure (Forschungsfront)

Institutionen

6 MRC, UNITED KINGDOM
6 NYU, USA
4 ROYAL-FREE-HOSP, UNITED KINGDOM
4 UNIV-IOWA, USA
4 UNIV-KUOPIO, FINLAND
3 RUHR-UNIV-BOCHUM, GERMANY
3 STANFORD-UNIV, USA
3 UNIV-COLL-LONDON-HOSP, UNITED KINGDOM
3 UNIV-DUSSELDORF, GERMANY
3 UNIV-NEWCASTLE-UPON-TYNE, UNITED KINGDOM
3 UNIV-TUBINGEN, GERMANY
3 UNIV-YORK, UNITED KINGDOM
3 WELLCOME-DEPT-COGNIT-NEUROL, UNITED KINGDOM
3 YALE-UNIV, USA
(und weitere 65 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Broks-P Young-AW Maratos-EJ Coffey-PJ Calder-AJ Isaac-CL Mayes-AR Hodges-JR Montaldi-D Cezayirli-E Roberts-N Hadley-D
Face Processing Impairments After Encephalitis - Amygdala Damage and Recognition of Fear

11 Gray-JM Young-AW Barker-WA Curtis-A Gibson-D
Impaired Recognition of Disgust in Huntingtons-Disease Gene Carriers

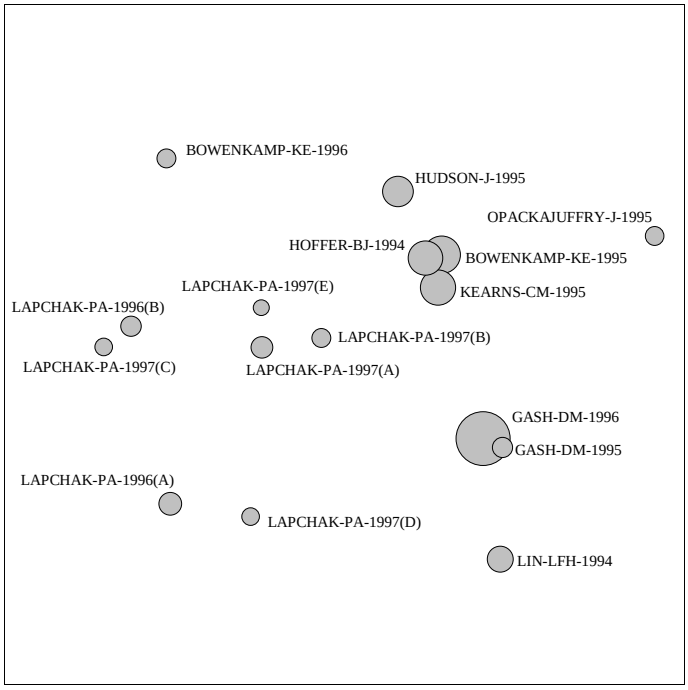
11 Phillips-ML Young-AW Scott-SK Calder-AJ Andrew-C Giampietro-V Williams-SCR Bullmore-ET Brammer-M Gray-JA
Neural Responses to Facial and Vocal Expressions of Fear and Disgust

10 Breitenstein-C Daum-I Ackermann-H
Emotional Processing Following Cortical and Subcortical Brain-Damage - Contribution of the Fronto-Striatal Circuitry

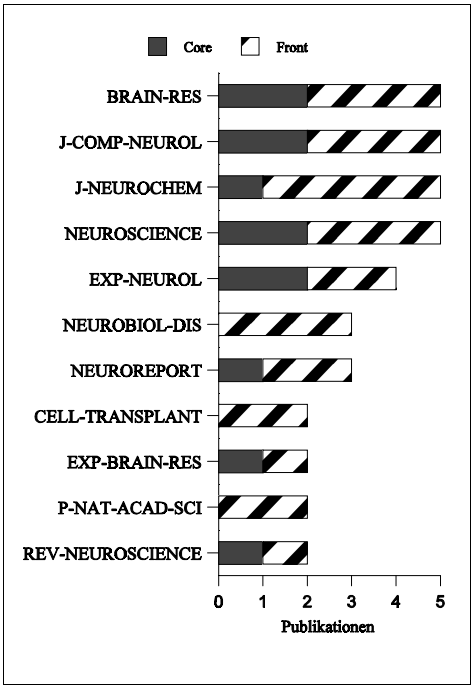
HDS 35: Gdnf and Parkinsons-Disease

16 Kernpublikationen / 40 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

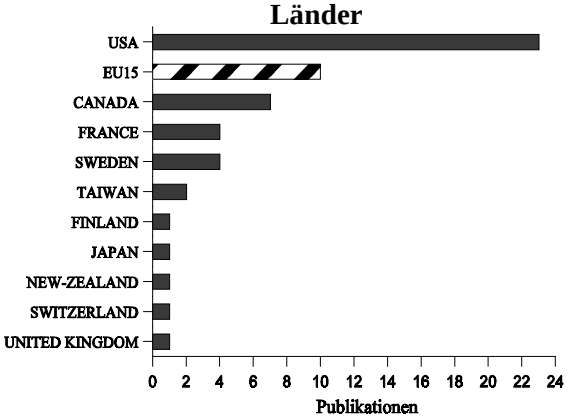


Akteure (Forschungsfront)

Institutionen

4 AMGEN-INC, USA
4 DALHOUSIE-UNIV, CANADA
4 UNIV-COLORADO, USA
4 UNIV-KENTUCKY, USA
2 AMGEN-CORP, USA
2 HARVARD-UNIV, USA
2 HOP-LA-PITIE-SALPETRIERE, FRANCE
2 LUND-UNIV, SWEDEN
2 NATL-DEF-MED-CTR, TAIWAN
2 UNIV-BORDEAUX-2, FRANCE
2 WASHINGTON-UNIV, USA
(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Lapchak-PA Araujo-DM Hilt-DC Jiao-S Collin-F Miyoshi-Y Yi-A Zhang-Z Gash-DM
Topographical Distribution of (I-125) Glial-Cell Line-Derived Neurotrophic Factor in Unlesioned and MPTP-Lesioned Rhesus-Monkey Brain Following a Bolus Intraventricular-Injection

13 Lapchak-PA Araujo-DM Hilt-DC Sheng-J Jiao-SS
Adenoviral Vector-Mediated Gdnf Gene-Therapy in a Rodent Lesion Model of Late-Stage Parkinsons-Disease

11 Grondin-R Gash-DM
Glial-Cell Line-Derived Neurotrophic Factor (Gdnf) - A Drug Candidate for the Treatment of Parkinsons-Disease

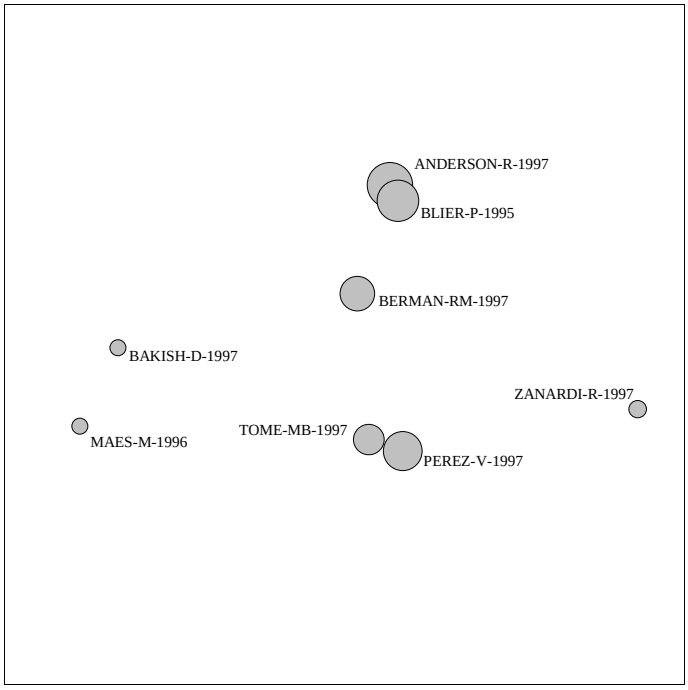
9 Bjorklund-A Rosenblad-C Winkler-C Kirik-D
Studies on Neuroprotective and Regenerative Effects of Gdnf in a Partial Lesion Model of Parkinsons-Disease

8 Gash-DM Zhang-ZM Gerhardt-G
Neuroprotective and Neurorestorative Properties of Gdnf

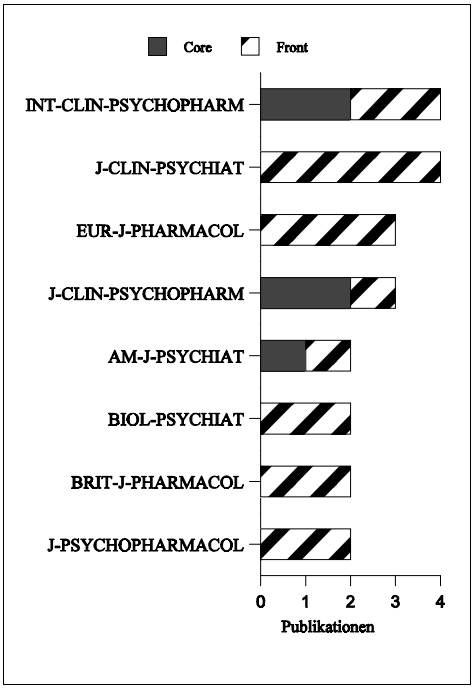
HDS 36: Pindolol Augmentation of Antidepressant Therapy

8 Kernpublikationen / 35 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

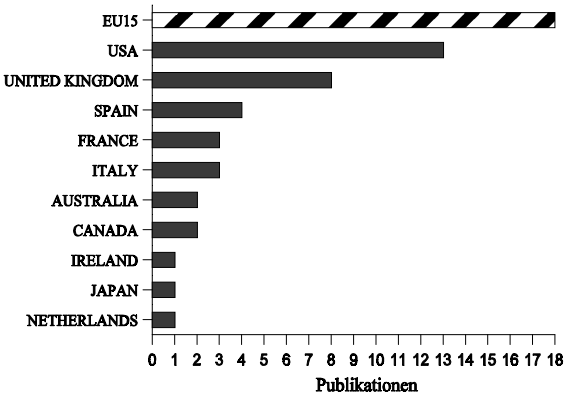


Akteure (Forschungsfront)

Institutionen

3 CSIC, SPAIN
3 YALE-UNIV, USA
2 CHU-PITIE-SALPETRIERE, FRANCE
2 DEPT-PSYCHOL-MED, UNITED KINGDOM
2 ELI-LILLY-&-CO, USA
2 MCGILL-UNIV, CANADA
(und weitere 31 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Blier-P Bergeron-R
The Use of Pindolol to Potentiate Antidepressant Medication

7 Cryan-JF Mcgrath-C Leonard-BE Norman-TR
Combining Pindolol and Paroxetine in an Animal-Model of Chronic Antidepressant Action - Can Early-Onset of Action Be Detected

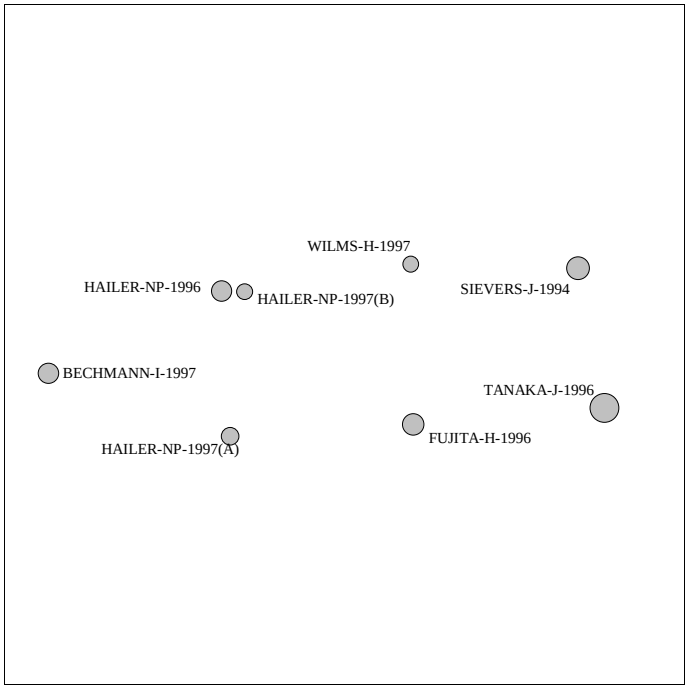
7 Debattista-C Sofuoglu-M Schatzberg-AF
Serotonergic Synergism - The Risks and Benefits of Combining the Selective Serotonin Reuptake Inhibitors with Other Serotonergic Drugs

7 Mcaskill-R Mir-S Taylor-D
Pindolol Augmentation of Antidepressant Therapy

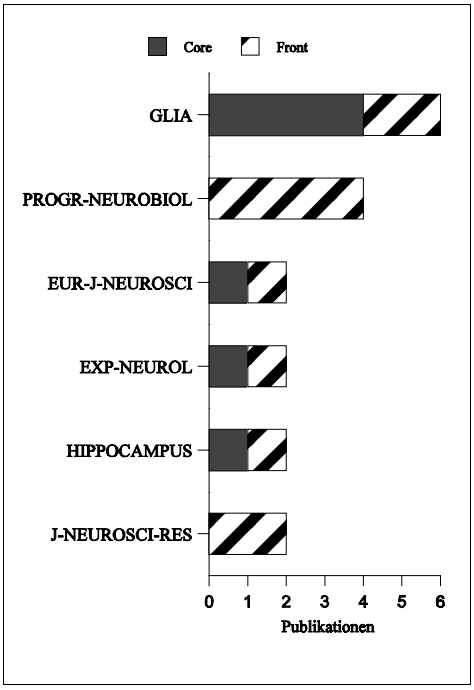
HDS 37: Microglial Cell Development

8 Kernpublikationen / 18 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

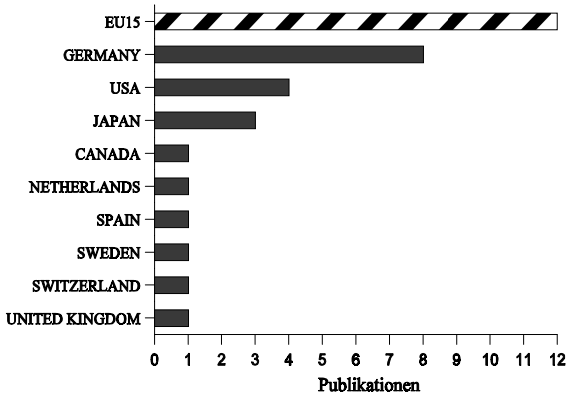


Akteure (Forschungsfront)

Institutionen

3 EHIME-UNIV, JAPAN
3 HUMBOLDT-UNIV, GERMANY
2 HUMBOLDT-UNIV-HOSP-CHARITE, GERMANY
(und weitere 20 Institutionen)

Länder



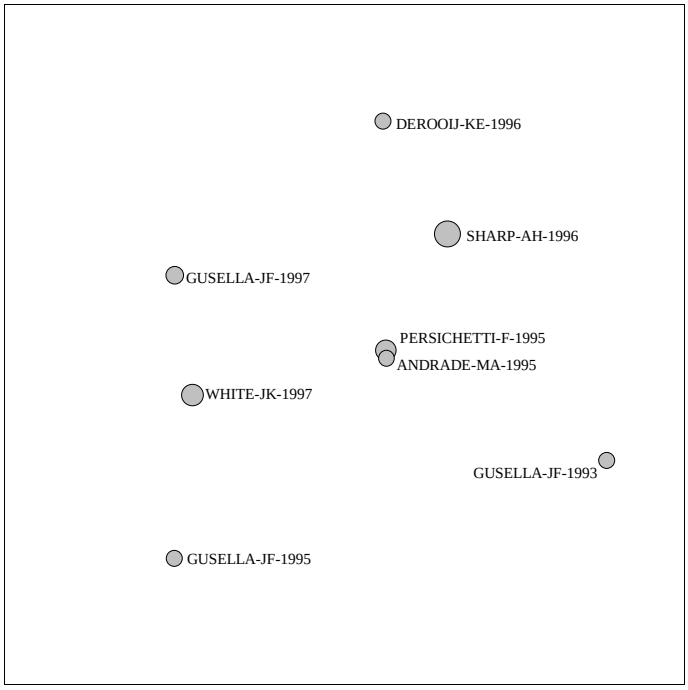
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Cuadros-MA Navascues-J
The Origin and Differentiation of Microglial Cells During Development
6 Hailer-NP Heppner-FL Haas-D Nitsch-R
Astrocytic Factors Deactivate Antigen-Presenting Cells That Invade the Central-Nervous-System
6 Heppner-FL Roth-K Nitsch-R Hailer-NP
Vitamin-E Induces Ramification and Down-Regulation of Adhesion Molecules in Cultured Microglial Cells
5 Zhang-SC Fedoroff-S
Modulation of Microglia by Stem-Cell Factor
4 Cotman-CW Hailer-NP Pfister-KK Soltesz-I Schachner-M
Cell-Adhesion Molecules in Neural Plasticity and Pathology - Similar Mechanisms, Distinct Organizations

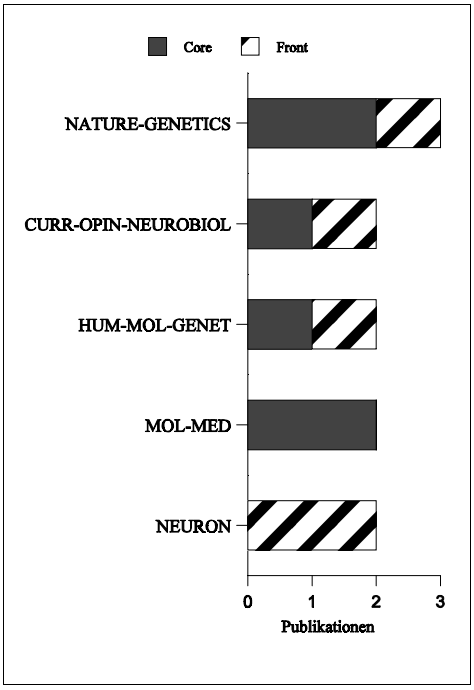
HDS 38: Huntington-Disease/Expanded Polyglutamine

8 Kernpublikationen / 12 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

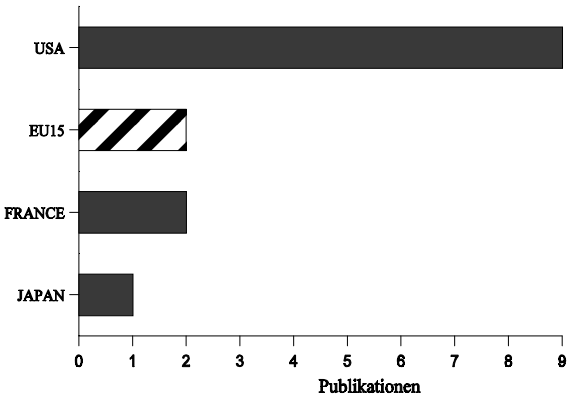


Akteure (Forschungsfront)

Institutionen

5 MASSACHUSETTS-GEN-HOSP, USA
2 HARVARD-UNIV, USA
1 CNRS, FRANCE
1 HOP-UNIV, FRANCE
1 JOHNS-HOPKINS-UNIV, USA
1 MASSACHUSETTS-GEN-HOSP-E, USA
1 MOVEMENT-DISORDERS-CTR, USA
1 NYU, USA
1 SALK-INST-BIOL-STUDIES, USA
1 UNIV-CALIF-LOS-ANGELES, USA
1 UNIV-SO-CALIF, USA
1 UNIV-TOKYO, JAPAN

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Faber-PW Barnes-GT Srinidhi-J Chen-JM Gusella-JF Macdonald-ME
Huntingtin Interacts with a Family of WW Domain Proteins

7 Green-T Heinemann-SF Gusella-JF
Molecular Neurobiology and Genetics - Investigation of Neural Function and Dysfunction

6 Gusella-JF Macdonald-ME
Huntingtin - A Single Bait Hooks Many Species

5 Ross-CA Margolis-RL Rosenblatt-A Ranen-NG Becher-MW Aylward-E
Huntington-Disease and the Related Disorder, Dentatorubral-Pallidoluysian Atrophy (Drpla)

3 Kahlem-P Green-H Djian-P
Transglutaminase Action Imitates Huntingtons-Disease - Selective Polymerization of Huntingtin Containing Expanded Polyglutamine

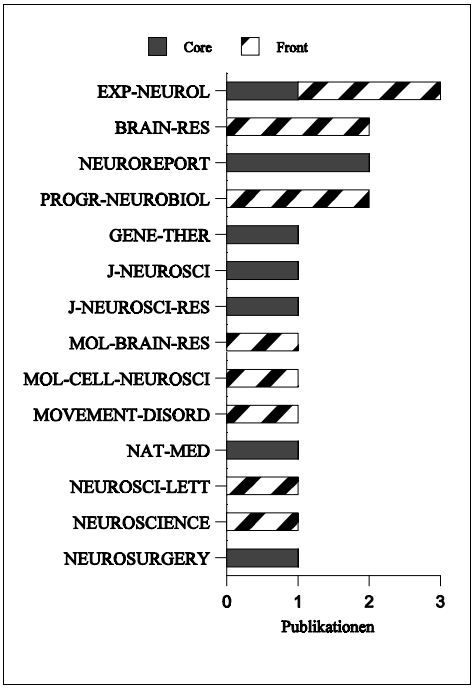
3 Tukamoto-T Nukina-N Ide-K Kanazawa-I
Huntingtons-Disease Gene-Product, Huntingtin, Associates with Microtubules in-Vitro

HDS 39: Adenoviral Gene-Transfer

8 Kernpublikationen / 11 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



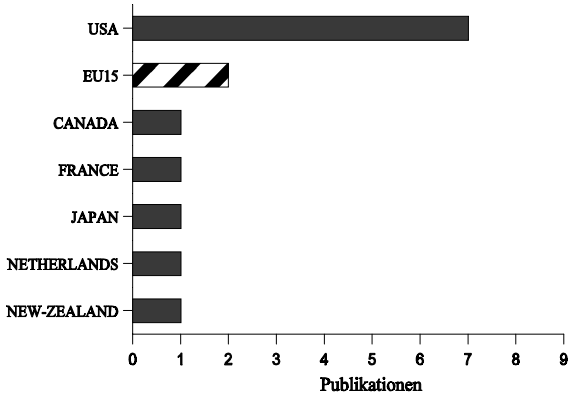
Akteure (Forschungsfront)

Institutionen

2 UNIV-IOWA, USA

(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

7 Baumgartner-BJ Shine-HD
Neuroprotection of Spinal Motoneurons Following Targeted Transduction with an Adenoviral Vector Carrying the Gene for Glial-Cell Line-Derived Neurotrophic Factor

7 Hermens-WTJMC Verhaagen-J
Viral Vectors, Tools for Gene-Transfer in the Nervous-System

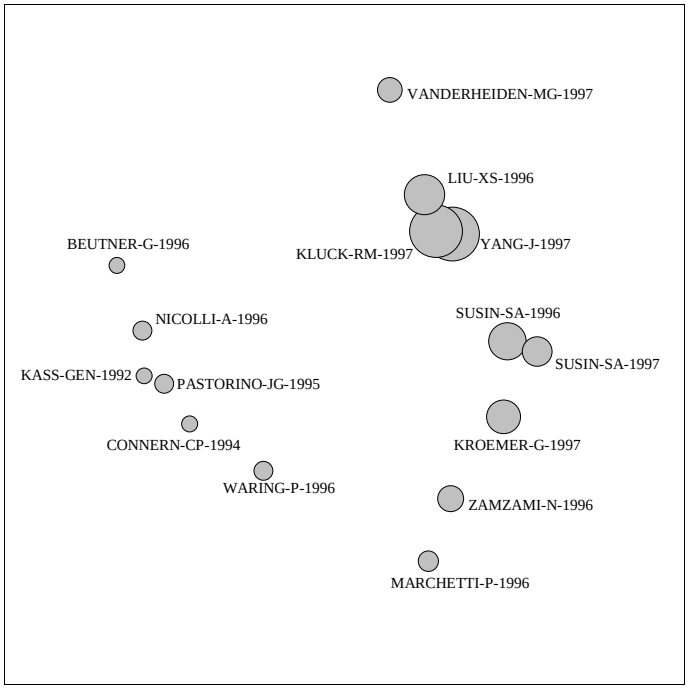
5 Liu-Y Himes-BT Moul-J Huang-WL Chow-SY Tessler-A Fischer-I
Application of Recombinant Adenovirus for in-Vivo Gene Delivery to Spinal-Cord

5 Mannes-AJ Caudle-RM Oconnell-BC Iadarola-MJ
Adenoviral Gene-Transfer to Spinal-Cord Neurons - Intrathecal vs. Intraparenchymal Administration

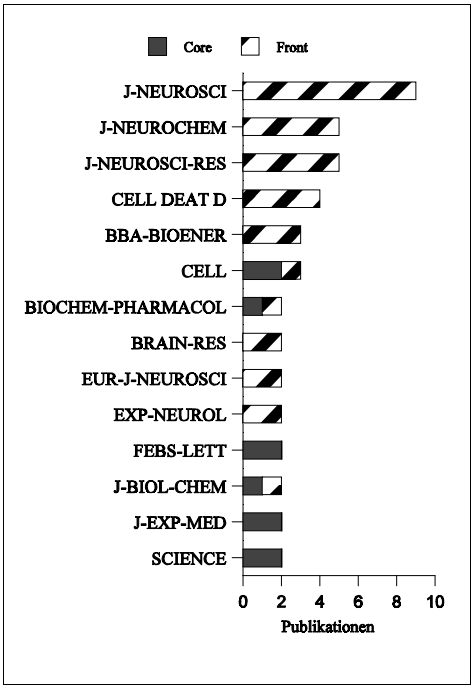
HDS 40: Mitochondria in Neurodegenerative Apoptosis

15 Kernpublikationen / 61 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

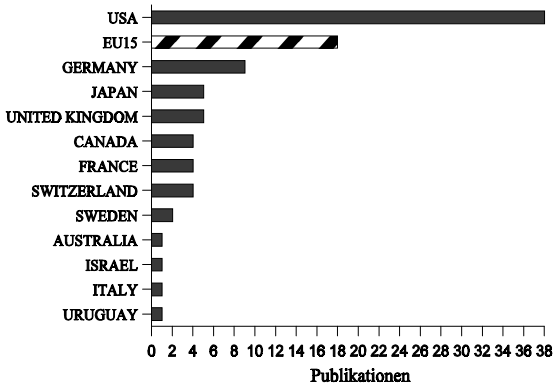


Akteure (Forschungsfront)

Institutionen

7 UNIV-KENTUCKY, USA
5 UNIV-WASHINGTON, USA
4 HARVARD-UNIV, USA
3 UNIV-PITTSBURGH, USA
3 UNIV-TEXAS, USA
3 WASHINGTON-UNIV, USA
(und weitere 66 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

14 Decaudin-D Marzo-I Brenner-C Kroemer-G
Mitochondria in Chemotherapy-Induced Apoptosis - A Prospective Novel Target of Cancer-Therapy (Review)

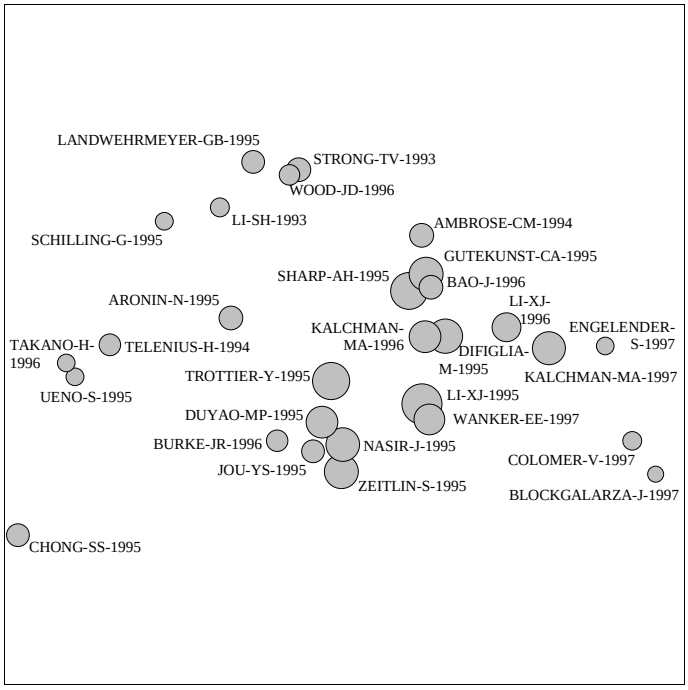
10 Ichas-F Mazat-JP
From Calcium Signaling to Cell-Death - 2 Conformations for the Mitochondrial Permeability Transition Pore - Switching from Low-Conductance to High-Conductance State

8 Tenneti-L Demilia-DM Troy-CM Lipton-SA
Role of Caspases in N-Methyl-D-Aspartate-Induced Apoptosis in Cerebrocortical Neurons

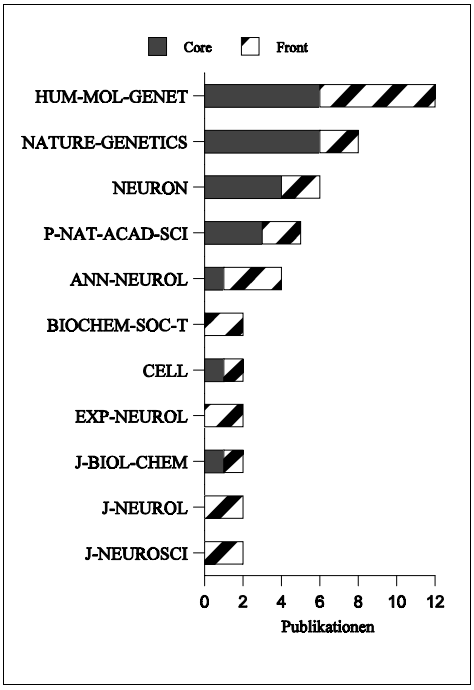
HDS 41: Huntington-Disease and Drpla

29 Kernpublikationen / 53 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

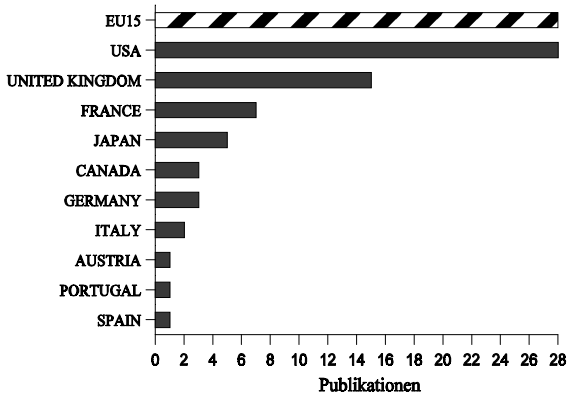


Akteure (Forschungsfront)

Institutionen

7 MASSACHUSETTS-GEN-HOSP, USA
6 JOHNS-HOPKINS-UNIV, USA
4 UNIV-WALES-COLL-MED, UNITED KINGDOM
3 AICHI-MED-UNIV, JAPAN
3 EMORY-UNIV, USA
3 HARVARD-UNIV, USA
3 HOP-LA-PITIE-SALPETRIERE, FRANCE
3 NAGOYA-UNIV, JAPAN
3 UNITED-MED-&-DENT-SCH-GUYS-&-ST-THOMAS-HOSP, UNITED KINGDOM
3 UNIV-COLL-LONDON, UNITED KINGDOM
3 UNIV-PENN, USA
(und weitere 63 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

24 Ross-CA Margolis-RL Rosenblatt-A Ranen-NG Becher-MW Aylward-E
Huntington-Disease and the Related Disorder, Dentatorubral-Pallidoluysian Atrophy (Drpla)

18 Gourfinkelan-I Cancel-G Trottier-Y Devys-D Tora-L Lutz-Y Imbert-G Saudou-F Stevanin-G Agid-Y Brice-A Mandel-JL Hirsch-EC
Differential Distribution of the Normal and Mutated Forms of Huntingtin in the Human Brain

16 Gusella-JF Macdonald-ME
Huntingtin - A Single Bait Hooks Many Species

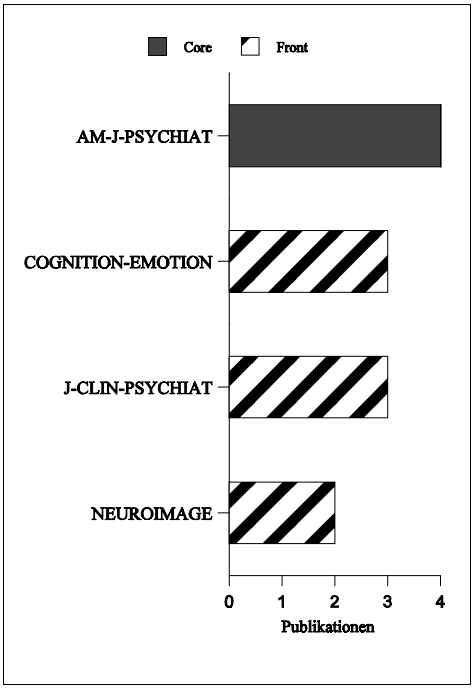
15 Bates-GP Davies-SW
Transgenic Mouse Models of Neurodegenerative Disease Caused by Cag/Polyglutamine Expansions

HDS 42: Selective Limbic Activation and Emotional Disorder

7 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

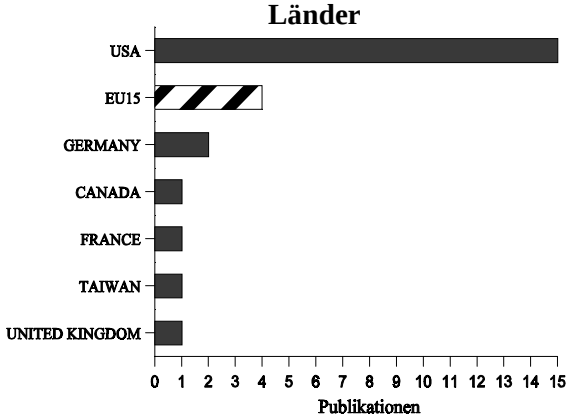


Akteure (Forschungsfront)

Institutionen

4 UNIV-PITTSBURGH, USA
2 GOOD-SAMARITAN-REG-MED-CTR, USA
2 UNIV-ARIZONA, USA
2 UNIV-WISCONSIN, USA
(und weitere 21 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Lane-RD Reiman-EM Axelrod-B Yun-LS Holmes-A Schwartz-GE
Neural Correlates of Levels of Emotional Awareness - Evidence of an Interaction Between Emotion and Attention in the Anterior Cingulate Cortex

6 Zald-DH Lee-JT Fluegel-KW Pardo-JV
Aversive Gustatory Stimulation Activates Limbic Circuits in Humans

4 Reiman-EM
The Application of Positron-Emission-Tomography to the Study of Normal and Pathological Emotions

4 Schneider-F Grodd-W Weiss-U Klose-U Mayer-KR Nagele-T Gur-RC
Functional MRI Reveals Left Amygdala Activation During Emotion

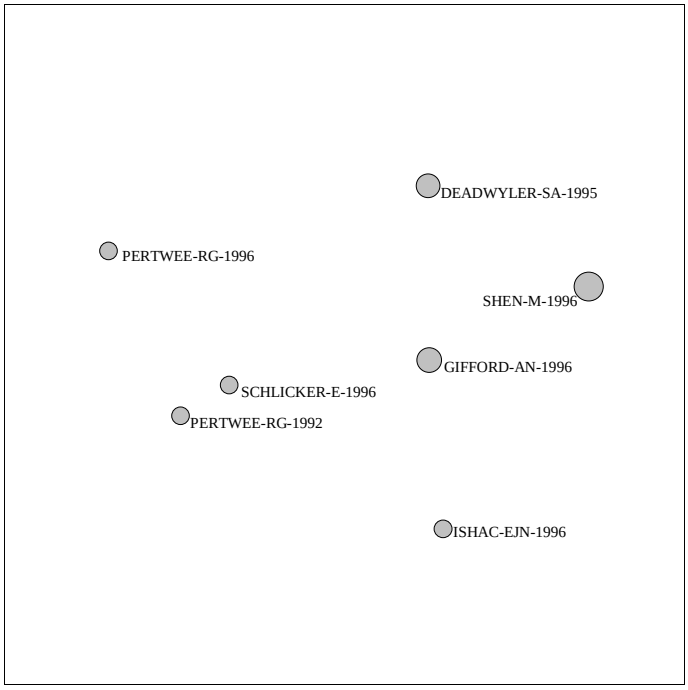
4 Servanschreiber-D Perlstein-WM
Selective Limbic Activation and Its Relevance to Emotional Disorders

4 Tzourio-N Crivello-F Mellet-E Nkangangila-B Mazoyer-B
Functional-Anatomy of Dominance for Speech Comprehension in Left-Handers vs Right-Handers

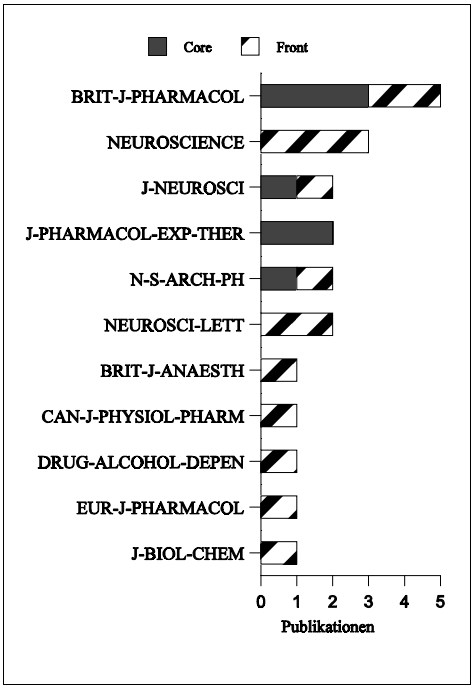
HDS 43: Cannabinoid Cb1 Receptors

7 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

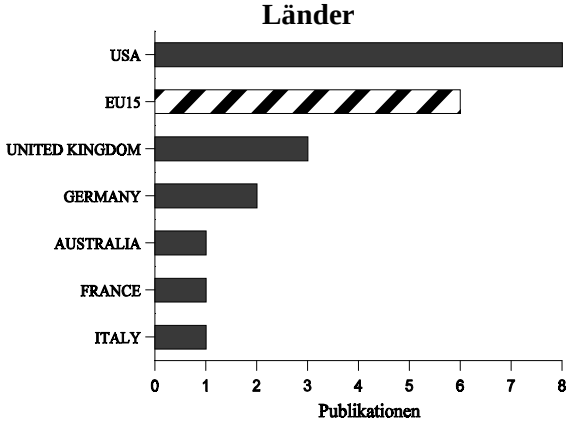


Akteure (Forschungsfront)

Institutionen

2 BROWN-UNIV, USA
2 UNIV-ABERDEEN, UNITED KINGDOM
2 WAKE-FOREST-UNIV, USA
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Szabo-B Dorner-L Pfreundtner-C Norenberg-W Starke-K
Inhibition of GABAergic Inhibitory Postsynaptic Currents by Cannabinoids in Rat Corpus Striatum

5 Coutts-AA Pertwee-RG
Evidence That Cannabinoid-Induced Inhibition of Electrically-Evoked Contractions of the Myenteric Plexus - Longitudinal Muscle Preparation of Guinea-Pig Small-Intestine Can Be Modulated by Ca2+ and cAMP

4 Izzo-AA Mascolo-N Borrelli-F Capasso-F
Excitatory Transmission to the Circular Muscle of the Guinea-Pig Ileum - Evidence for the Involvement of Cannabinoid Cb1 Receptors

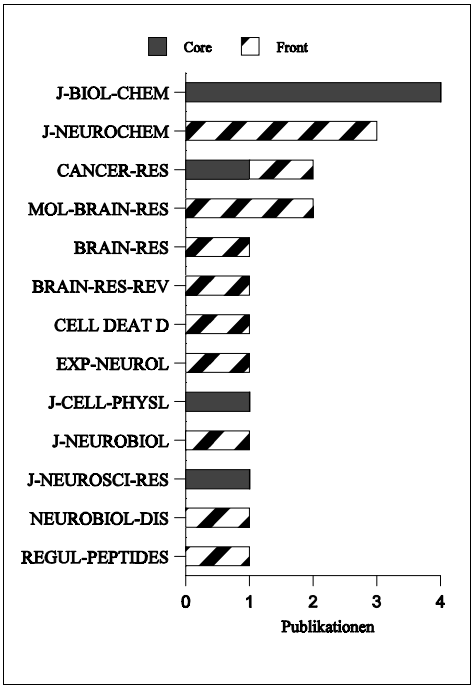
4 Schlicker-E Timm-J Zentner-J Gothert-M
Cannabinoid Cb1 Receptor-Mediated Inhibition of Noradrenaline Release in the Human and Guinea-Pig Hippocampus

HDS 44: Insulin-Like Growth-Factor-I

7 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

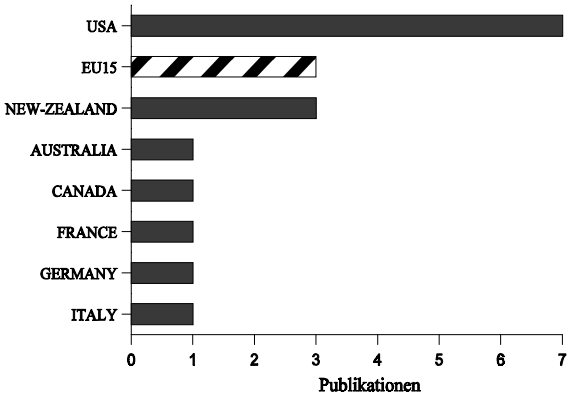


Akteure (Forschungsfront)

Institutionen

4 UNIV-MICHIGAN, USA
3 UNIV-AUCKLAND, NEW-ZEALAND
1 CEPHALON-INC, USA
1 CTR-HORMONE-RES-RCH, AUSTRALIA
1 HOP-ST-ANTOINE, FRANCE
1 MAYO-CLIN-&-MAYO-FDN, USA
1 THOMAS-JEFFERSON-UNIV, USA
1 UNIV-GENOA, ITALY
1 UNIV-GIESSEN, GERMANY
1 UNIV-MANITOBA, CANADA
1 UNIV-PENN, USA
1 VET-ADM-MED-CTR, USA
1 WASHINGTON-UNIV, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Feldman-EL Sullivan-KA Kim-BS Russell-JW
Insulin-Like Growth-Factors Regulate Neuronal Differentiation and Survival

5 Zhang-FX Rubin-R Rooney-TA
Ethanol Induces Apoptosis in Cerebellar Granule Neurons by Inhibiting Insulin-Like-Growth-Factor-1 Signaling

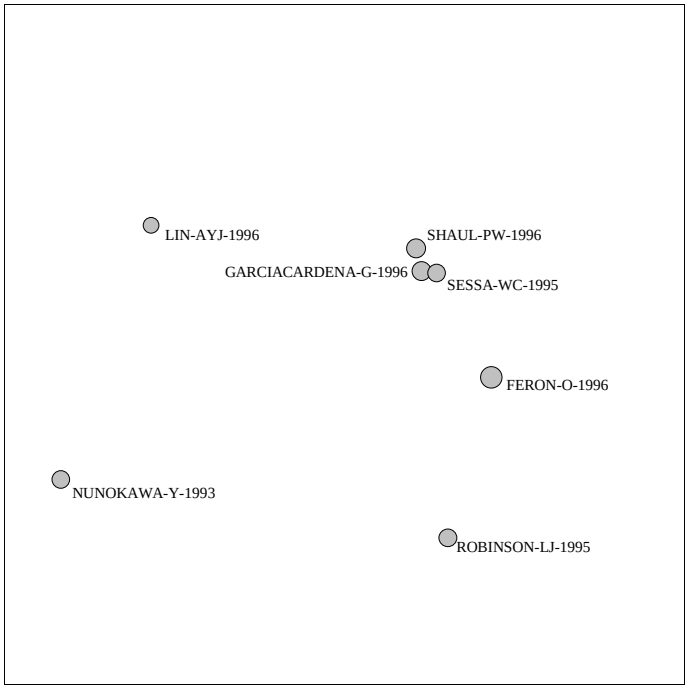
4 Russell-JW Windebank-AJ Schenone-A Feldman-EL
Insulin-Like Growth-Factor-I Prevents Apoptosis in Neurons After Nerve Growth-Factor Withdrawal

4 Shindler-KS Yunker-AMR Cahn-R Zha-JP Korsmeyer-SJ Roth-KA
Trophic Support Promotes Survival of Bcl-X-Deficient Telencephalic Cells in-Vitro

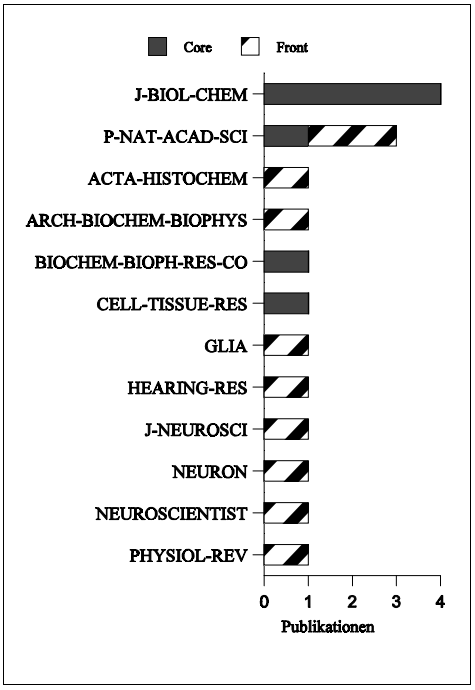
HDS 45: Nitric-Oxide Synthase

7 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

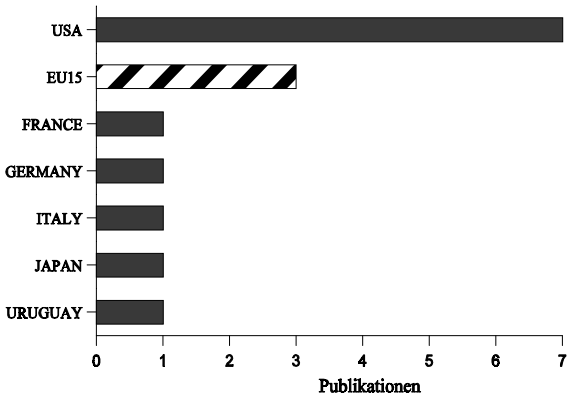


Akteure (Forschungsfront)

Institutionen

1 CHU-ANGERS, FRANCE
1 CLEVELAND-CLIN-FDN, USA
1 INST-CLEMENTE-ESTABLE, URUGUAY
1 IST-SUPER-SANITA, ITALY
1 JOHNS-HOPKINS-UNIV-HOSP, USA
1 MAYO-CLIN-&-MAYO-FDN, USA
1 NAGOYA-UNIV, JAPAN
1 NYU, USA
1 OTTO-VON-GUERICKE-UNIV, GERMANY
1 UNIV-ALABAMA, USA
1 UNIV-CALIF-SAN-FRANCISCO, USA
1 UNIV-IOWA, USA
1 UNIV-MICHIGAN, USA
1 UNIV-MILAN, ITALY
1 UNIV-REPUBLICA, URUGUAY
1 YESHIVA-UNIV-ALBERT-EINSTEIN-COLL-MED, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Faraci-FM Heistad-DD
Regulation of the Cerebral-Circulation - Role of Endothelium and Potassium Channels

5 Watanabe-Y Nishio-M Hamaji-S Hayaski-Y Hu-Y Hidaka-H
Neuronal Nitric-Oxide Synthase - Membrane Phospholipid Interactions

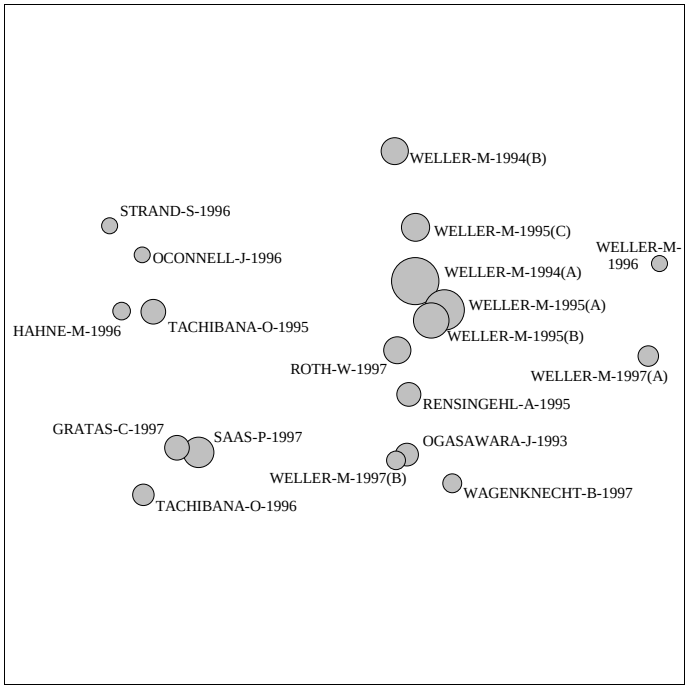
4 Chen-AFY Jiang-SW Crotty-TB Tsutsui-M Smith-LA Obrien-T Katusic-Z
Effects of in-Vivo Adventitial Expression of Recombinant Endothelial Nitric-Oxide Synthase Gene in Cerebral-Arteries

4 Stanarius-A Topel-I Schulz-S Noack-H Wolf-G
Immunocytochemistry of Endothelial Nitric-Oxide Synthase in the Rat-Brain - A Light and Electron-Microscopic Study Using the Tyramide Signal Amplification Technique

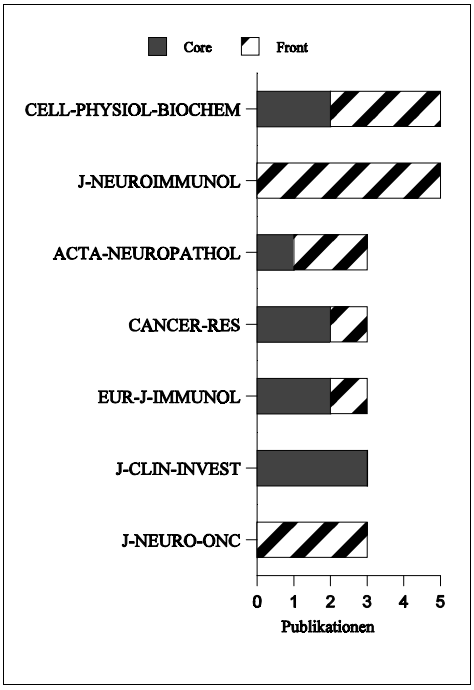
HDS 46: Cd95L-Induced Apoptosis

19 Kernpublikationen / 47 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

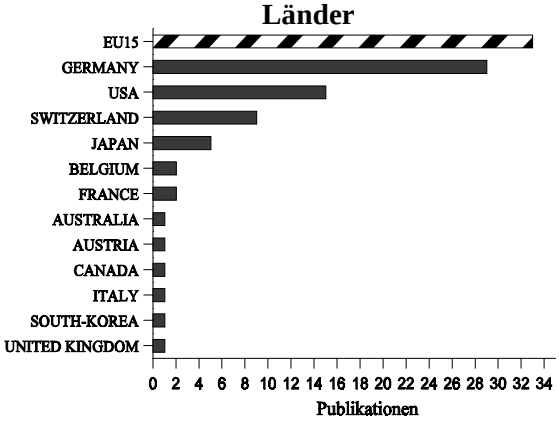


Akteure (Forschungsfront)

Institutionen

24 UNIV-TUBINGEN, GERMANY
6 UNIV-ZURICH, SWITZERLAND
4 UNIV-LAUSANNE, SWITZERLAND
3 UNIV-BONN, GERMANY
2 BURNHAM-INST, USA
2 DUKE-UNIV, USA
2 FREE-UNIV-BRUSSELS, BELGIUM
2 GERMAN-CANC-RES-CTR, GERMANY
2 HARVARD-UNIV, USA
2 INT-AGCY-RES-CANC, FRANCE
2 MASSACHUSETTS-GEN-HOSP-E, USA
(und weitere 33 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

17 Weller-M Kleihues-P Dichgans-J Ohgaki-H
Cd95 Ligand - Lethal Weapon Against Malignant Glioma

12 Weller-M Schuster-M Pietsch-T Schabet-M
Cd95 Ligand-Induced Apoptosis of Human Medulloblastoma Cells

11 Frei-K Ambar-B Adachi-N Yonekawa-Y Fontana-A
Ex-Vivo Malignant Glioma-Cells Are Sensitive to Fas (Cd95/Apo-1) Ligand-Mediated Apoptosis

11 Roth-W Wagenknecht-B Dichgans-J Weller-M
Interferon-Alpha Enhances Cd95L-Induced Apoptosis of Human-Malignant Glioma-Cells

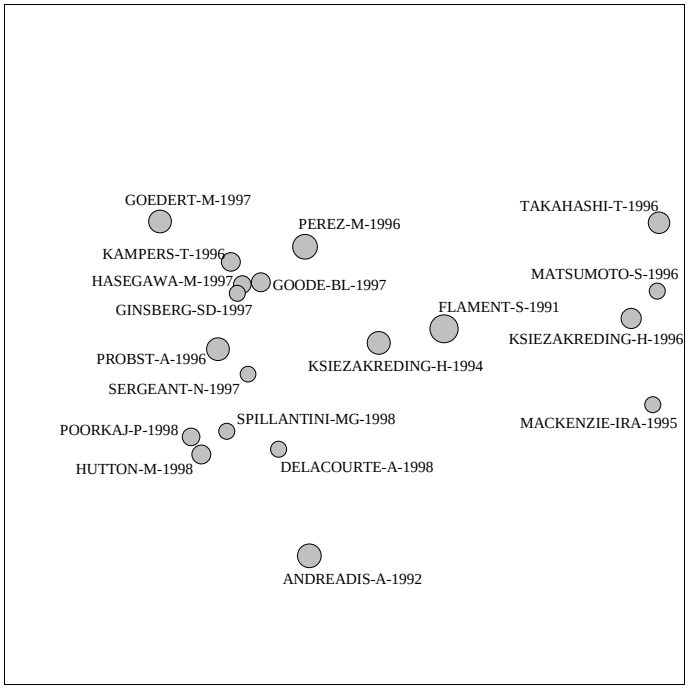
11 Weller-M Weinstock-C Will-C Wagenknecht-B Dichgans-J Lang-F Gulbins-E
Cd95-Dependent T-Cell Killing by Glioma-Cells Expressing Cd95 Ligand - More on Tumor Immune Escape, the Cd95 Counterattack, and the Immune Privilege of the Brain

10 Winter-S Roth-W Dichgans-J Weller-M
Synergy of Cd95 Ligand and Teniposide - No Role of Cleavable Complex-Formation and Enhanced Cd95 Expression

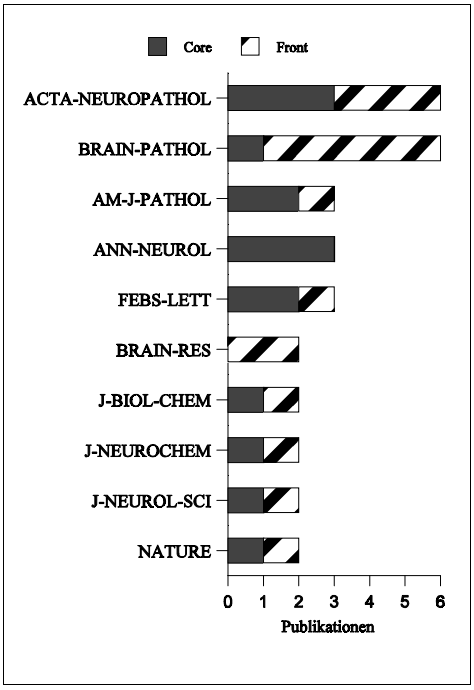
HDS 47: Tau-Protein Pathology

19 Kernpublikationen / 28 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

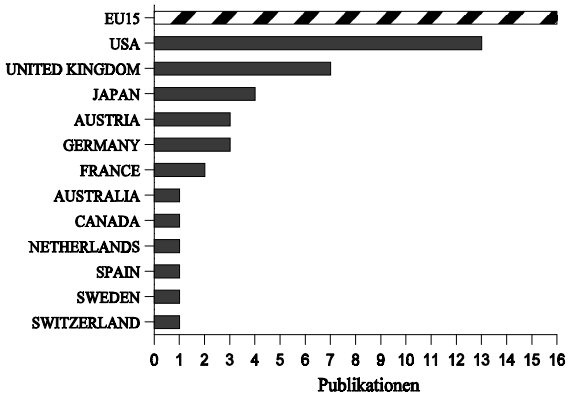


Akteure (Forschungsfront)

Institutionen

5 MRC, UNITED KINGDOM
4 UNIV-TOKYO, JAPAN
3 EUNICE-KENNEDY-SHRIVER-CTR-MENTAL-RETARDAT-INC, USA
3 MAYO-CLIN-JACKSONVILLE, USA
3 UNIV-CAMBRIDGE, UNITED KINGDOM
3 UNIV-PENN, USA
2 HARVARD-UNIV, USA
2 INDIANA-UNIV, USA
2 INSERM, FRANCE
2 KANAGAWA-REHABIL-CTR, JAPAN
2 LUDWIG-BOLTZMANN-INST-CLIN-NEUROBIOL, AUSTRIA
2 MASSACHUSETTS-GEN-HOSP, USA
2 UNIV-CALIF-SAN-DIEGO, USA
2 YESHIVA-UNIV-ALBERT-EINSTEIN-COLL-MED, USA
(und weitere 41 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Spillantini-MG Murrell-JR Goedert-M Farlow-MR Klug-A Ghetti-B
Mutation in the Tau-Gene in Familial Multiple System Tauopathy with Presenile-Dementia

12 Spillantini-MG Goedert-M
Tau-Protein Pathology in Neurodegenerative Diseases

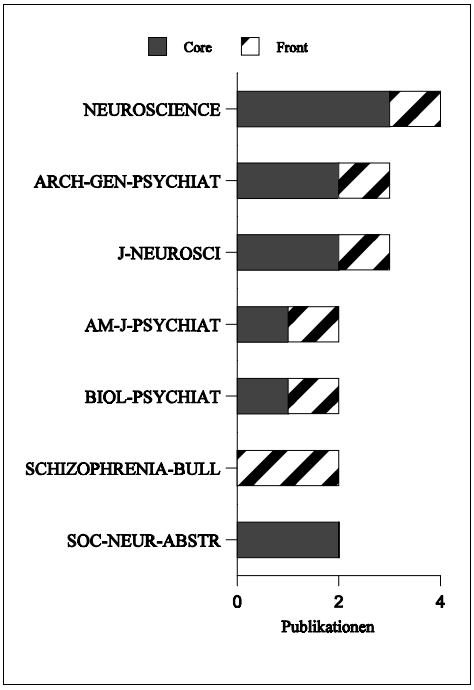
11 Goedert-M Jakes-R Crowther-RA Hasegawa-M Smith-MJ Spilantini-MG
Intraneuronal Filamentous Tau-Protein and Alpha-Synuclein Deposits in Neurodegenerative Diseases

HDS 48: Hippocampal Connectivity in Schizophrenia

13 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

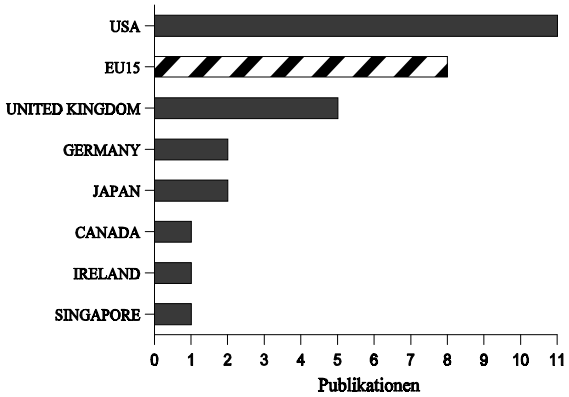


Akteure (Forschungsfront)

Institutionen

5 YALE-UNIV, USA
3 UNIV-OXFORD, UNITED KINGDOM
2 NIMH, USA
2 UNIV-BONN, GERMANY
2 UNIV-MISSISSIPPI, USA
2 UNIV-NEW-MEXICO, USA
(und weitere 16 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Young-CE Arima-K Xie-J Hu-L Beach-TG Falkai-P Honer-WG
Snap-25 Deficit and Hippocampal Connectivity in Schizophrenia

8 Bayer-TA Falkai-P
Schizophrenia a Subtle Defect in Neurotrophic Gene-Function

6 Eastwood-SL Harrison-PJ
Hippocampal and Cortical Growth-Associated Protein-43 Messenger-RNA in Schizophrenia

5 Raedler-TJ Knable-MB Weinberger-DR
Schizophrenia as a Developmental Disorder of the Cerebral-Cortex

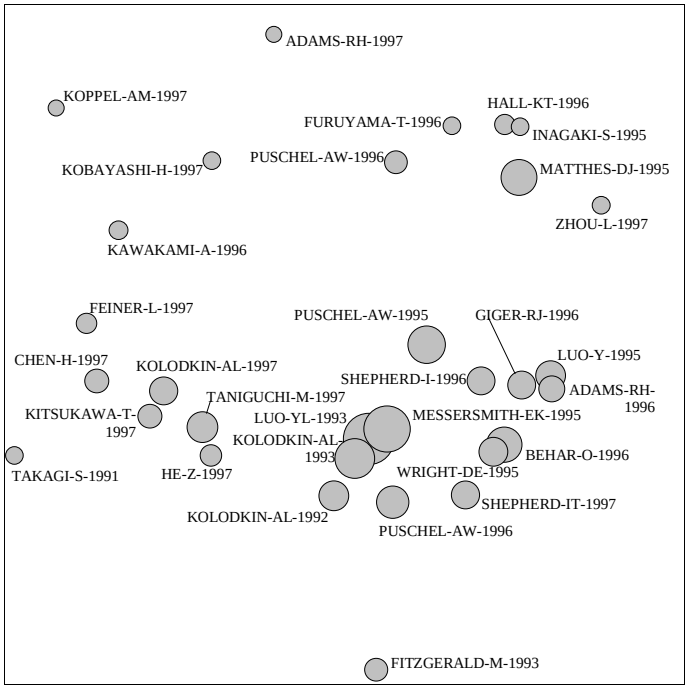
5 Thompson-PM Rosenberger-C Holt-S Perronebizzozero-NI
Measuring Synaptosomal Associated Protein-25 kDa in Human Cerebral Spinal-Fluid

5 Waddington-JL Lane-A Scully-PJ Larkin-C Ocallaghan-E
Neurodevelopmental and Neuroprogressive Processes in Schizophrenia - Antithetical or Complementary, over a Lifetime Trajectory of Disease

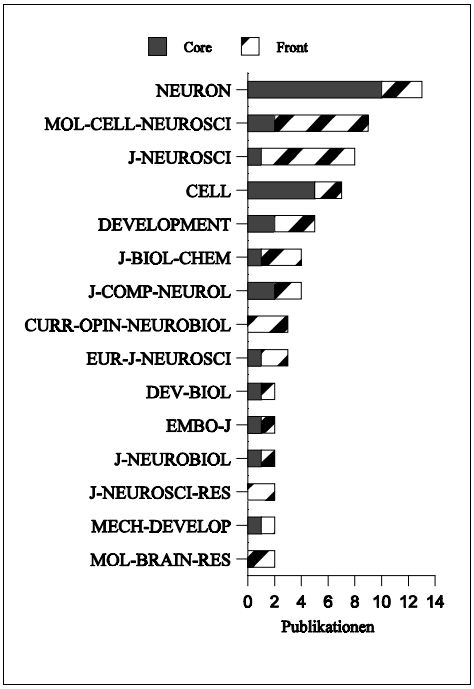
HDS 49: Semaphorins

31 Kernpublikationen / 58 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

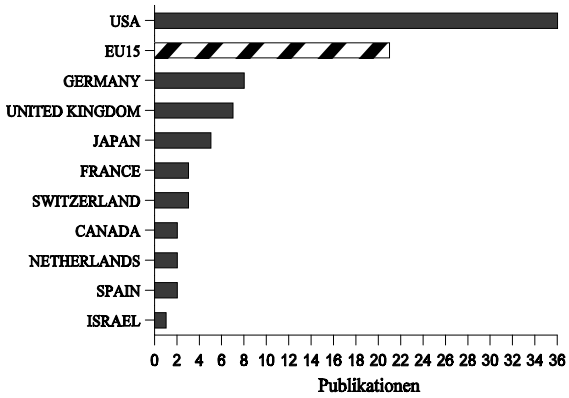


Akteure (Forschungsfront)

Institutionen

3 HARVARD-UNIV, USA
3 MAX-PLANCK-INST-HIRNFORSCH, GERMANY
3 YALE-UNIV, USA
(und weitere 60 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

23 Xu-XM Ng-S Wu-ZL Nguyen-D Homburger-S Seideldugan-C Ebens-A Luo-YL
Human Semaphorin K1 Is Glycosylphosphatidylinositol-Linked and Defines a New Subfamily of Viral-Related Semaphorins

22 Catalano-SM Messersmith-EK Goodman-CS Shatz-CJ Chedotal-A
Many Major CNS Axon Projections Develop Normally in the Absence of Semaphorin-III

20 Kitsukawa-T Shimizu-M Sanbo-M Hirata-T Taniguchi-M Bekku-Y Yagi-T Fujisawa-H
Neuropilin-Semaphorin III/D-Mediated Chemorepulsive Signals Play a Crucial Role in Peripheral-Nerve Projection in Mice

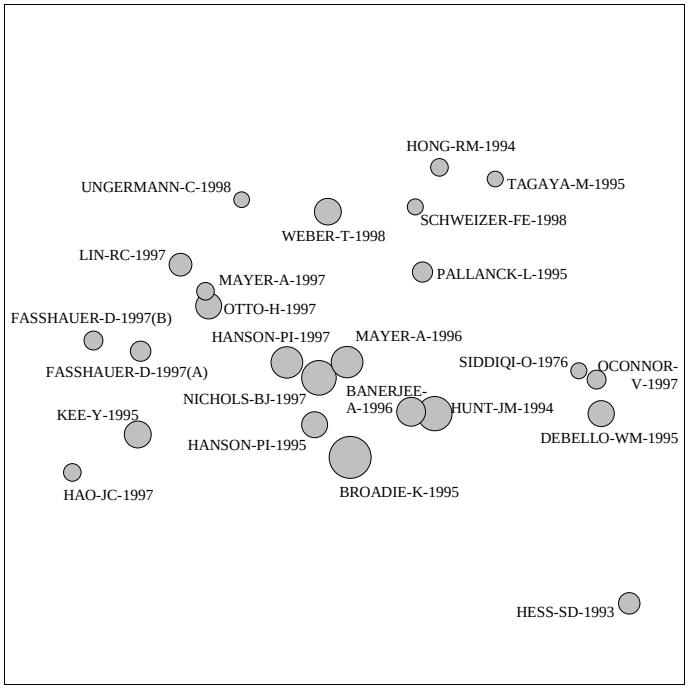
18 Cook-G Tannahill-D Keynes-R
Axon Guidance to and from Choice Points

17 Klostermann-A Lohrum-M Adams-RH Puschel-AW
The Chemorepulsive Activity of the Axonal Guidance Signal Semaphorin-D Requires Dimerization

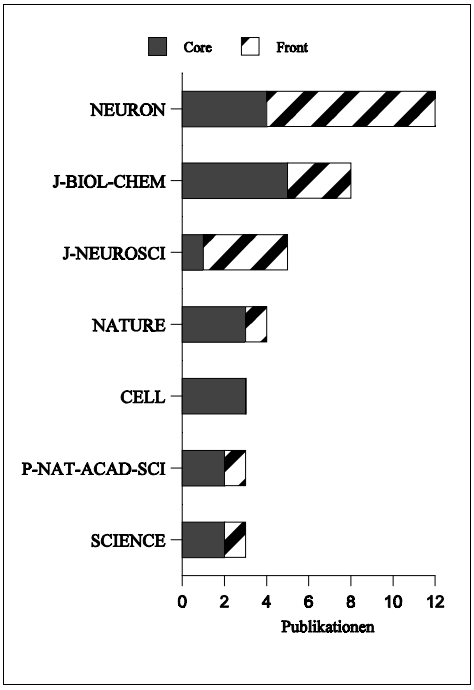
HDS 50: Synaptic Snare Complex

24 Kernpublikationen / 49 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

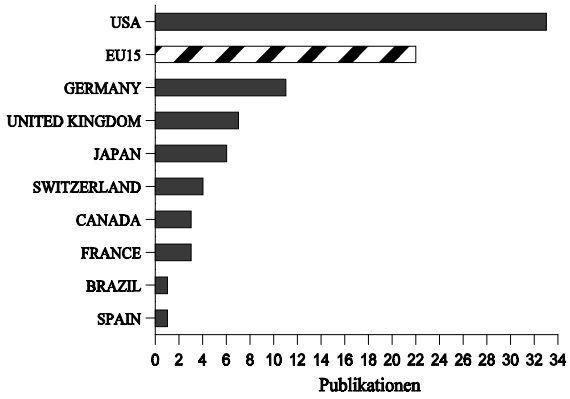


Akteure (Forschungsfront)

Institutionen

6 DUKE-UNIV, USA
6 STANFORD-UNIV, USA
5 MARINE-BIOL-LAB, USA
4 MAX-PLANCK-INST-BIOPHYS-CHEM, GERMANY
4 WASHINGTON-UNIV, USA
3 MAX-PLANCK-INST-BRAIN-RES, GERMANY
3 UNIV-LIVERPOOL, UNITED KINGDOM
3 UNIV-TORONTO, CANADA
3 UNIV-WISCONSIN, USA
2 BAYLOR-COLL-MED, USA
2 FRIEDRICH-MIESCHER-INST, SWITZERLAND
2 HANNOVER-MED-SCH, GERMANY
2 KYOTO-UNIV, JAPAN
2 OSAKA-UNIV, JAPAN
2 UNIV-TEXAS, USA
2 YALE-UNIV, USA
(und weitere 43 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

18 Robinson-LJ Martin-TFJ
Docking and Fusion in Neurosecretion

16 Littleton-JT Chapman-ER Kreber-R Garment-MB Carlson-SD Ganetzky-B
Temperature-Sensitive Paralytic Mutations Demonstrate That Synaptic Exocytosis Requires Snare Complex Assembly and Disassembly

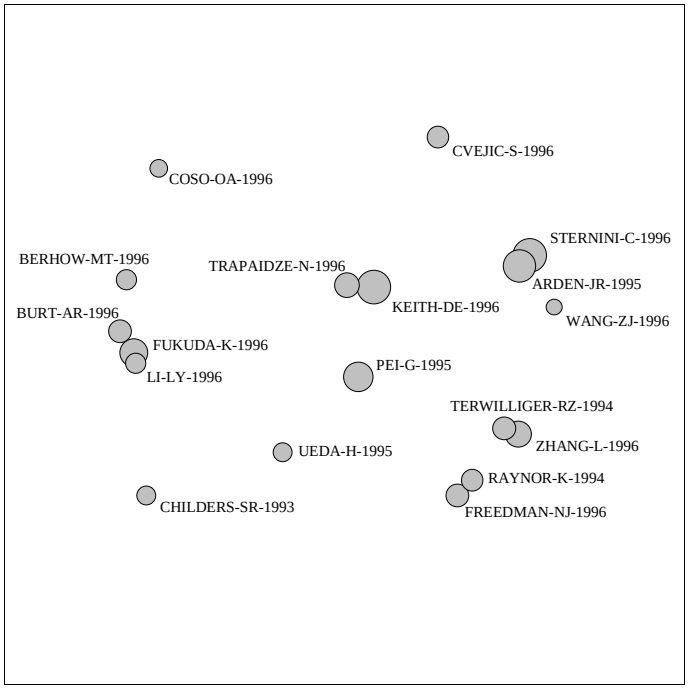
13 Fasshauer-D Eliason-WK Brunger-AT Jahn-R
Identification of a Minimal Core of the Synaptic Snare Complex Sufficient for Reversible Assembly and Disassembly

12 Schweizer-FE Dresbach-T Debello-WM Oconnor-V Augustine-GJ Betz-H
Regulation of Neurotransmitter Release Kinetics by NSF

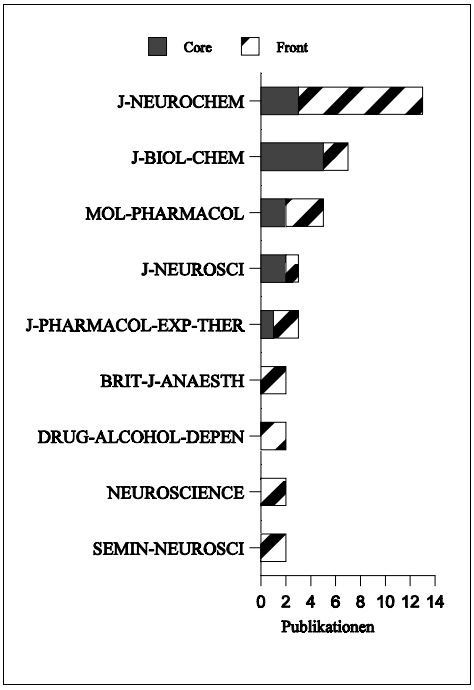
HDS 51: Opioid Receptors

18 Kernpublikationen / 42 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

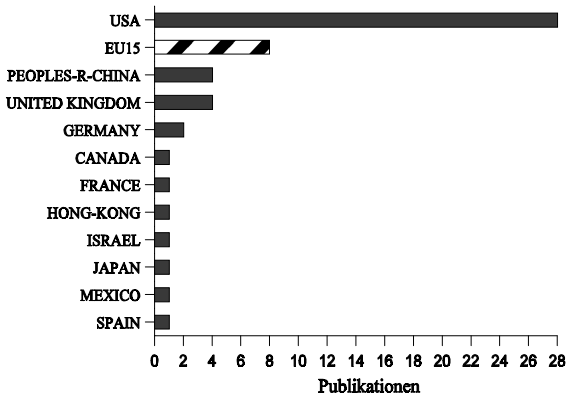


Akteure (Forschungsfront)

Institutionen

4 CHINESE-ACAD-SCI, PEOPLES-R-CHINA
4 UNIV-CALIF-LOS-ANGELES, USA
4 UNIV-MICHIGAN, USA
2 JOHNS-HOPKINS-UNIV, USA
2 NIDA, USA
2 NYU-MED-CTR, USA
2 SHANGHAI-MED-UNIV, PEOPLES-R-CHINA
2 UNIV-CALIF-SAN-FRANCISCO, USA
2 UNIV-MINNESOTA, USA
2 YALE-UNIV, USA
(und weitere 37 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Appleyard-SM Patterson-TA Jin-WZ Chavkin-C
Agonist-Induced Phosphorylation of the Kappa-Opioid Receptor

9 Akil-H Owens-C Gutstein-H Taylor-L Curran-E Watson-S
Endogenous Opioids - Overview and Current Issues

7 Akil-H Meng-F Devine-DP Watson-SJ
Molecular and Neuroanatomical Properties of the Endogenous Opioid System - Implications for Treatment of Opiate Addiction

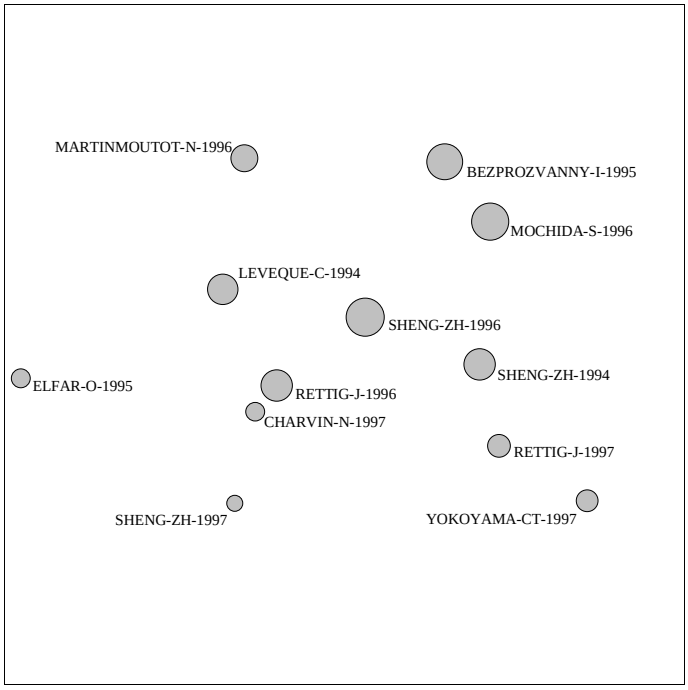
7 Cheng-ZJ Yu-QM Wu-YL Ma-L Pei-G
Selective Interference of Beta-Arrestin-1 with Kappa and Delta But Not Mu-Opioid Receptor G-Protein Coupling

7 Ozaita-A Escriba-PV Ventayol-P Murga-C Mayor-F Garciasevilla-JA
Regulation of G-Protein-Coupled Receptor Kinase-2 in Brains of Opiate-Treated Rats and Human Opiate Addicts

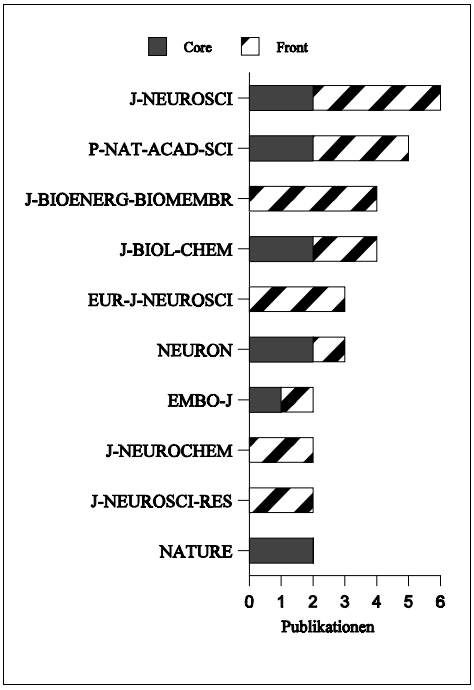
HDS 52: Calcium Channels and Snare Complex

12 Kernpublikationen / 39 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

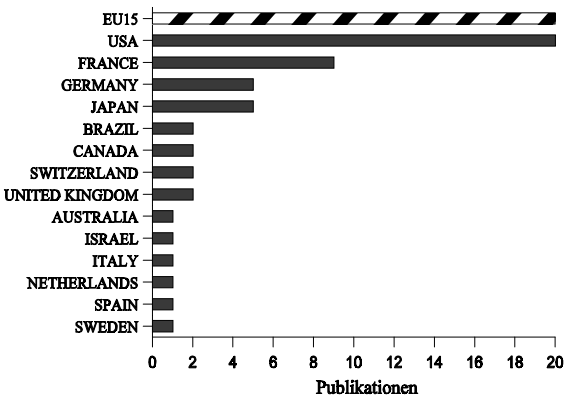


Akteure (Forschungsfront)

Institutionen

3 CASE-WESTERN-RESERVE-UNIV, USA
3 MARINE-BIOL-LAB, USA
2 DUKE-UNIV, USA
2 FAC-MED-NORD, FRANCE
2 HOP-LA-PITIE-SALPETRIERE, FRANCE
2 MAX-PLANCK-INST-BRAIN-RES, GERMANY
2 MITSUBISHI-KASEI-INST-LIFE-SCI, JAPAN
2 NICHHD, USA
2 NYU, USA
2 UNIV-PARIS-11, FRANCE
2 UNIV-SAO-PAULO, BRAZIL
2 UNIV-WASHINGTON, USA
(und weitere 40 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Sheng-ZH Westenbroek-RE Catterall-WA
Physical Link and Functional Coupling of Presynaptic Calcium Channels and the Synaptic Vesicle Docking/Fusion Machinery

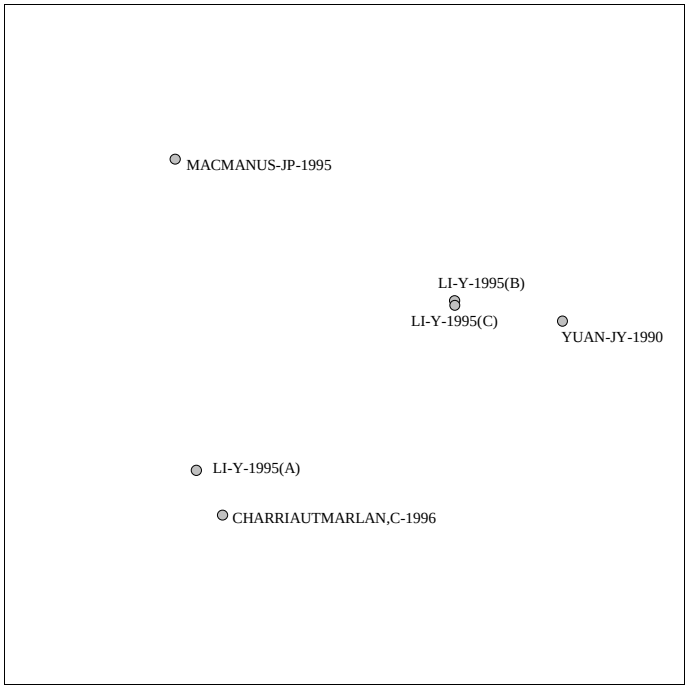
9 Dewaard-M Strube-C Villaz-M
Calcium Channels and Snare Complex Interacting for Neurotransmitters Exocytosis

9 Kim-K Catterall-WA
Ca2+-Dependent and Ca2+-Independent Interactions of the Isoforms of the Alpha(1A) Subunit of Brain Ca2+ Channels with Presynaptic Snare Proteins

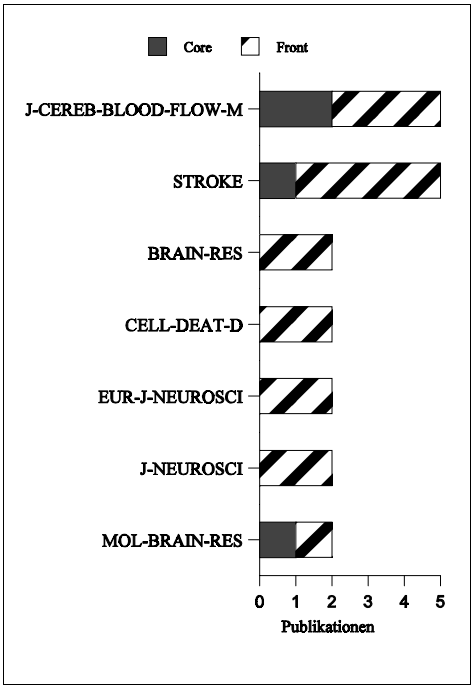
HDS 53: Caspase Inhibitors

6 Kernpublikationen / 33 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

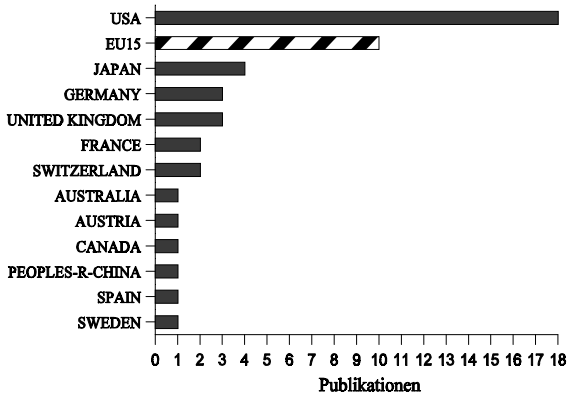


Akteure (Forschungsfront)

Institutionen

5 HARVARD-UNIV, USA
3 YESHIVA-UNIV-ALBERT-EINSTEIN-COLL-MED, USA
2 NOVARTIS-PHARMA-INC, SWITZERLAND
2 OSAKA-UNIV, JAPAN
2 OTSUKA-PHARMACEUT-CO-LTD, JAPAN
2 RADCLIFFE-INFIRM, UNITED KINGDOM
2 ROYAL-POSTGRAD-MED-SCH, UNITED KINGDOM
2 STANFORD-UNIV, USA
2 WASHINGTON-UNIV, USA
(und weitere 35 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Endres-H Namura-S Skimizusasamata-M Waeber-C Zhang-L Gomezisla-T Hyman-BT Moskowitz-MA
Attenuation of Delayed Neuronal Death After Mild Focal Ischemia in Mice by Inhibition of the Caspase Family

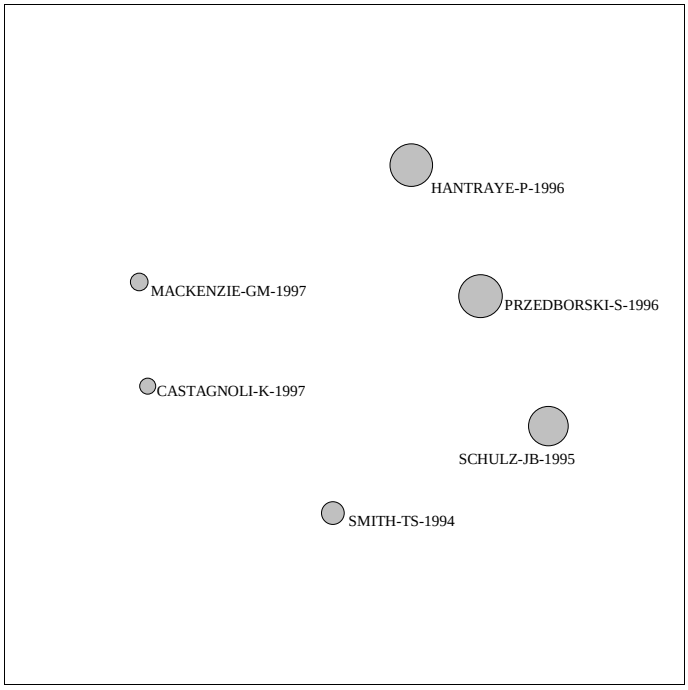
6 Ma-JY Endres-M Moskowitz-MA
Synergistic Effects of Caspase Inhibitors and mK-801 in Brain Injury After Transient Focal Cerebral-Ischemia in Mice

5 Linnik-MD
Apoptosis

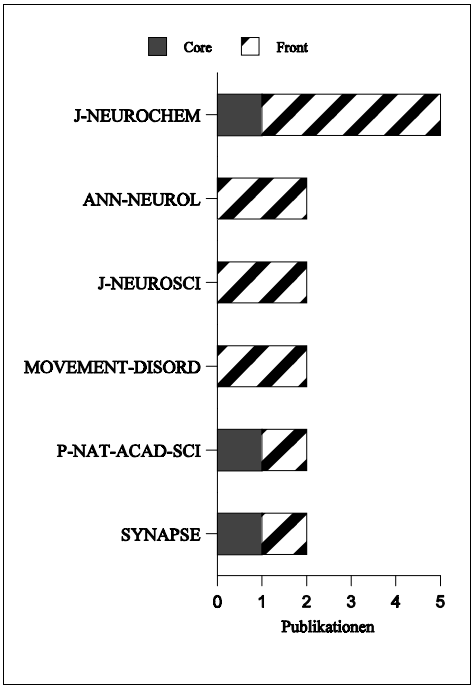
HDS 54: Nitric-Oxide in Neurodegeneration

6 Kernpublikationen / 32 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

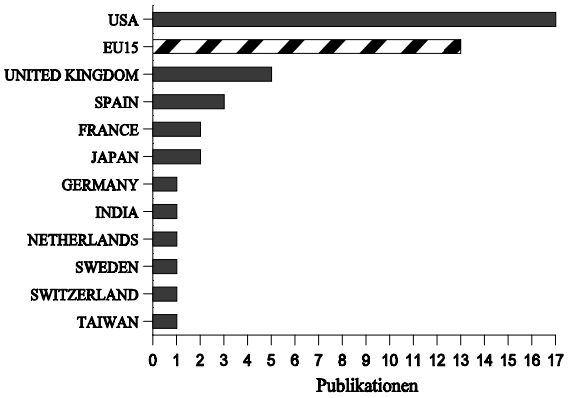


Akteure (Forschungsfront)

Institutionen

3 COLUMBIA-UNIV, USA
3 HARVARD-UNIV, USA
3 MASSACHUSETTS-GEN-HOSP, USA
3 UNIV-LONDON, UNITED KINGDOM
3 UNIV-MIAMI, USA
3 US-FDA, USA
2 CORNELL-UNIV, USA
2 UNIV-LONDON-KINGS-COLL, UNITED KINGDOM
2 UNIV-VIRGINIA, USA
(und weitere 30 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Cutillas-B Espejo-M Ambrosio-S
7-Nitroindazole Prevents Dopamine Depletion Caused by Low Concentrations of Mpp+ in Rat Striatal Slices

6 Jenner-P
Oxidative Mechanisms in Nigral Cell-Death in Parkinsons-Disease

5 Mohanakumar-KP Steinbusch-HWM
Hydroxyl Radicals and Nitric-Oxide in Neurotoxicity and Neuroprotection

4 Beal-MF
Excitotoxicity and Nitric-Oxide in Parkinsons-Disease Pathogenesis

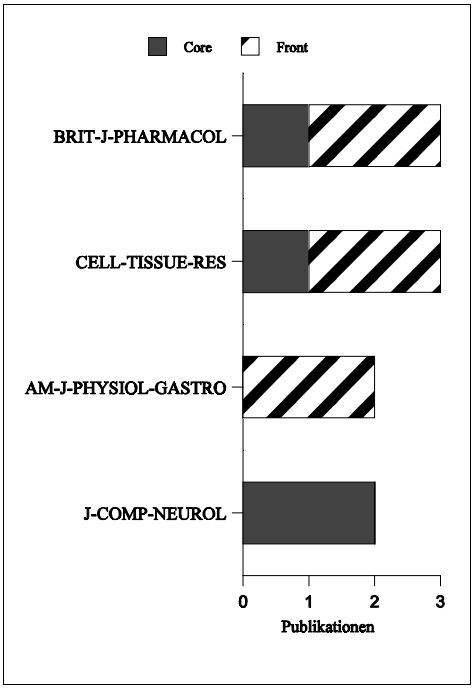
4 Molina-JA Jimenezjimenez-FJ Ortipareja-M Navarro-JA
The Role of Nitric-Oxide in Neurodegeneration - Potential for Pharmacological Intervention

HDS 55: Tachykinins

6 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

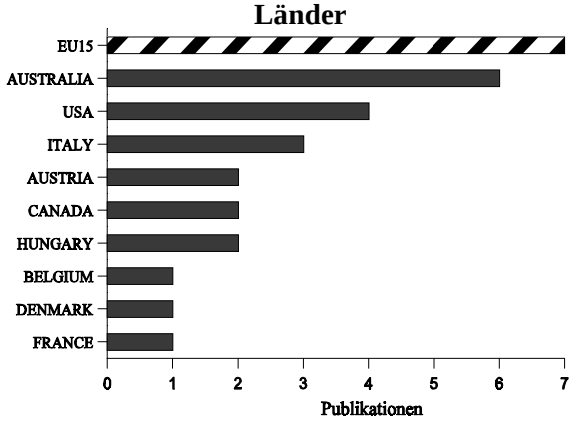


Akteure (Forschungsfront)

Institutionen

5 UNIV-MELBOURNE, AUSTRALIA
2 GRAZ-UNIV, AUSTRIA
2 MENARINI-RIC-SPA, ITALY
2 UNIV-CALIF-SAN-FRANCISCO, USA
2 UNIV-PECS, HUNGARY
(und weitere 13 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Holzer-P
Implications of Tachykinins and Calcitonin-Gene-Related Peptide in Inflammatory Bowel-Disease

5 Lomax-AEG Bertrand-PP Furness-JB
Identification of the Populations of Enteric Neurons That Have Nk1 Tachykinin Receptors in the Guinea-Pig Small-Intestine

5 Mcconalogue-K Corvera-CU Gamp-PD Grady-EF Bunnett-NW
Desensitization of the Neurokinin-1 Receptor (Nk1-R) in Neurons - Effects of Substance-P on the Distribution of Nk1-R, G(Alpha-Q/11) G-Protein Receptor Kinase-2/3, and Beta-Arrestin-1/2

4 Holzer-P Lippe-IT Heinemann-A Bartho-L
Tachykinin Nk1 and Nk2 Receptor-Mediated Control of Peristaltic Propulsion in the Guinea-Pig Small-Intestine in-Vitro

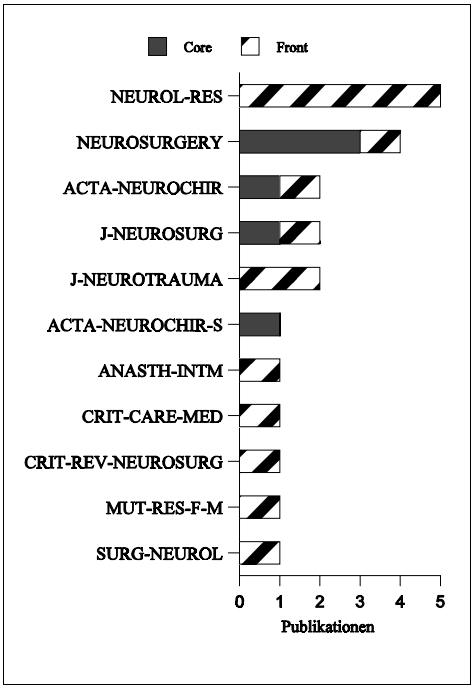
4 Smith-VC Sagot-MA Couraud-JY Buchan-AMJ
Localization of the Neurokinin-1 (NK-1) Receptor in the Human Antrum and Duodenum

HDS 56: Brain-Tissue Po-2

6 Kernpublikationen / 16 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

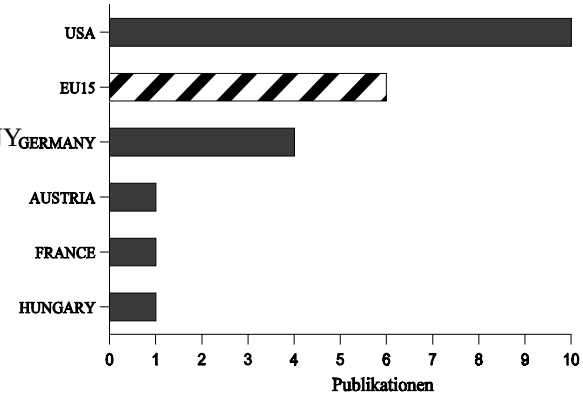


Akteure (Forschungsfront)

Institutionen

5 VIRGINIA-COMMONWEALTH-UNIV, USA
3 BAYLOR-COLL-MED, USA
1 ALLOS-THERAPEUT, USA
1 AUSTRIAN-ACAD-SCI, AUSTRIA
1 HUMBOLDT-UNIVERSITAT-BERLIN, GERMANY
1 SALZBURG-UNIV, AUSTRIA
1 UNIV-DEBRECEN, HUNGARY
1 UNIV-HALLE, GERMANY
1 UNIV-HEIDELBERG, GERMANY
1 UNIV-ILLINOIS, USA
1 UNIV-WURZBURG, GERMANY
1 WAYNE-STATE-UNIV, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

16 Menzel-M Rieger-A Roth-S Soukup-J Furka-I Miko-I Molnar-P Peuse-C Hennig-C Radke-J
Comparison Between Continuous Brain-Tissue Po(2), Pco(2), pH, and Temperature and Simultaneous Cerebrovenous Measurement Using a Multisensor Probe in a Porcine Intracranial-Pressure Model

15 Valadka-AB Gopinath-SP Contant-CF Uzura-M Robertson-CS
Relationship of Brain-Tissue Po-2 to Outcome After Severe Head-Injury

5 Vinas-FC Verweij-BH Muizelaar-JP
Invasive Monitoring of Cerebral Oxygenation

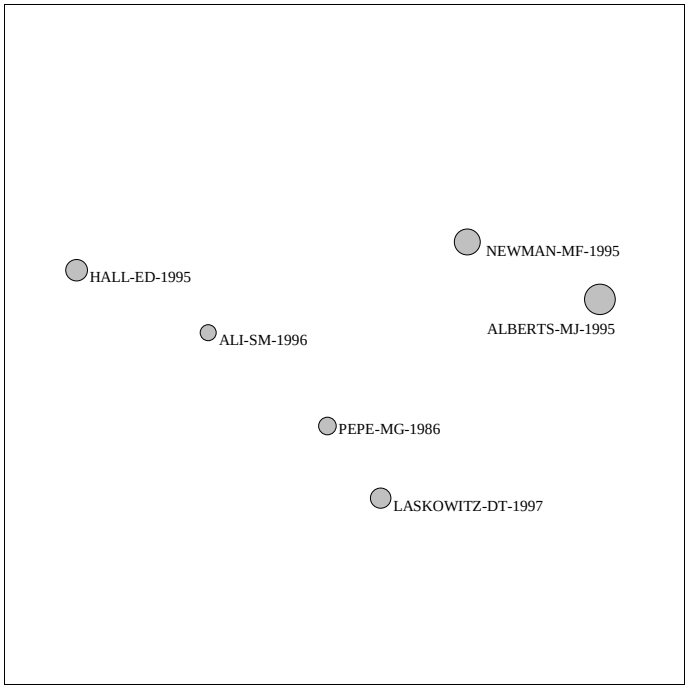
4 Dings-J Jager-A Meixensberger-J Roosen-K
Brain-Tissue Po(2) and Outcome After Severe Head-Injury

4 Zauner-A Doppenberg-EMR Woodward-JJ Choi-SC Young-HF Bullock-R
Continuous Monitoring of Cerebral Substrate Delivery and Clearance - Initial Experience in 24 Patients with Severe Acute Brain Injuries

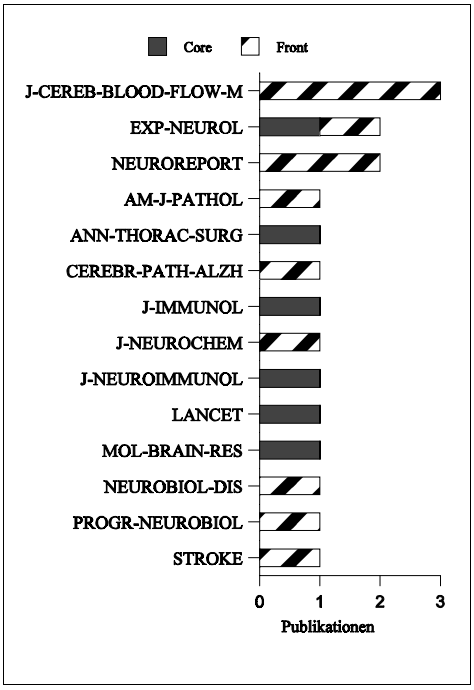
HDS 57: Apolipoprotein-E/Focal Ischemia

6 Kernpublikationen / 12 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

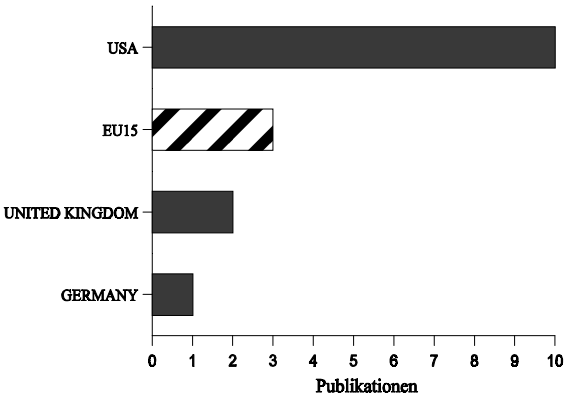


Akteure (Forschungsfront)

Institutionen

8 DUKE-UNIV, USA
2 UNIV-GLASGOW, UNITED KINGDOM
1 GLAXO-WELLCOME-RES-&-DEV, USA
1 HEINRICH-HEINE-UNIV, GERMANY
1 PHARMACIA-&-UPJOHN-INC, USA
1 SO-GEN-HOSP, UNITED KINGDOM
1 UNIV-WASHINGTON, USA
1 VANDERBILT-UNIV, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Laskowitz-DT Horsburgh-K Roses-AD
Apolipoprotein-E and the CNS Response to Injury

5 Bart-RD Sheng-HX Laskowitz-DT Pearlstein-RD Warner-DS
Regional CBF in Apolipoprotein E-Deficient and Wild-Type Mice During Focal Cerebral-Ischemia

5 Sheng-HX Laskowitz-DT Bennett-E Schmechel-DE Bart-RD Saunders-AM Pearlstein-RD Roses-AD Warner-DS
Apolipoprotein-E Isoform-Specific Differences in Outcome from Focal Ischemia in Transgenic Mice

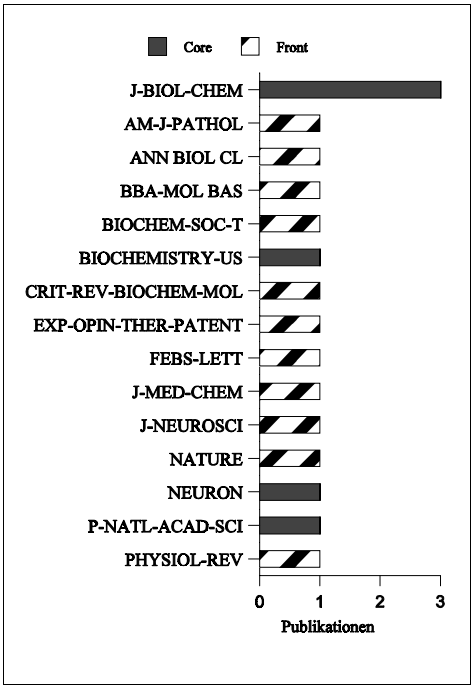
4 Laskowitz-DT Matthew-WD Bennett-ER Schmechel-D Herbstreith-MH Goel-S Mcmillian-MK
Endogenous Apolipoprotein-E Suppresses LPS-Stimulated Microglial Nitric-Oxide Production

HDS 58: Fibrillogenesis of Beta-Amyloid

6 Kernpublikationen / 11 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

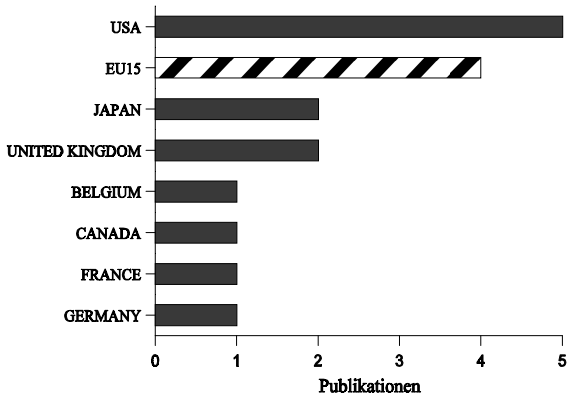


Akteure (Forschungsfront)

Institutionen

1 ATHENA-NEUROSCI-INC, USA
1 CEPHALON-INC, USA
1 CNRS, FRANCE
1 INNOGENET-NV, BELGIUM
1 JAPAN-SCI-&-TECHNOL-CORP, JAPAN
1 KATHOLIEKE-UNIV-LEUVEN, BELGIUM
1 KINGSTON-GEN-HOSP, CANADA
1 KITASATO-UNIV, JAPAN
1 MT-SINAI-SCH-MED, USA
1 NATL-HOSP-NEUROL-&-NEUROSURG, UK
1 PENN-STATE-UNIV, USA
1 QUEENS-UNIV, CANADA
1 SMITHKLINE-BEECHAM-PHARMACEUT, UK
1 ST-MARYS-HOSP, UNITED KINGDOM
1 TOHO-UNIV, JAPAN
1 TOKYO-MED-&-DENT-UNIV, JAPAN
1 TOKYO-METROPOLITAN-INST-MED-SCI, JAPAN
1 TOKYO-METROPOLITAN-TAMA-GERIATR-HOSP, JAPAN
1 UNIV-GOTTINGEN, GERMANY
1 UNIV-KENTUCKY, USA
1 UNIV-MONTPELLIER-1, FRANCE
1 UNIV-MONTPELLIER-2, FRANCE
1 UNIV-TENNESSEE, USA
1 UNIV-TOKYO, JAPAN
1 UNIV-TORONTO, CANADA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Allsop-D Howlett-D Christie-G Karran-E
Fibrillogenesis of Beta-Amyloid

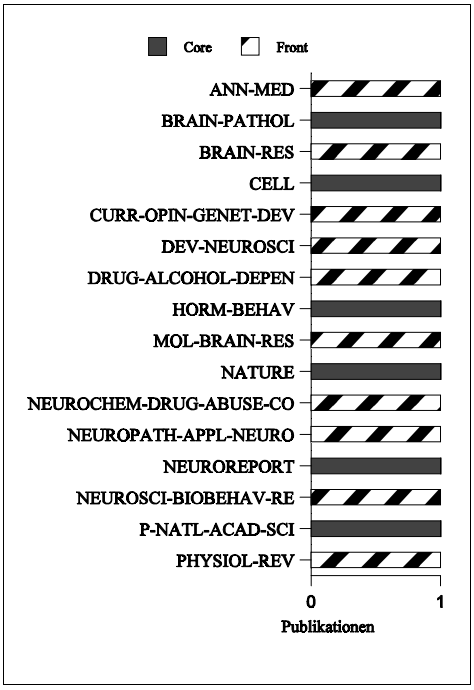
5 Wolfe-MS Citron-M Diehl-TS Xia-WM Donkor-IO Selkoe-DJ
A Substrate-Based Difluoro Ketone Selectively Inhibits Alzheimers Gamma-Secretase Activity

HDS 59: Transgenic Mice in Drug-Dependence Research

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

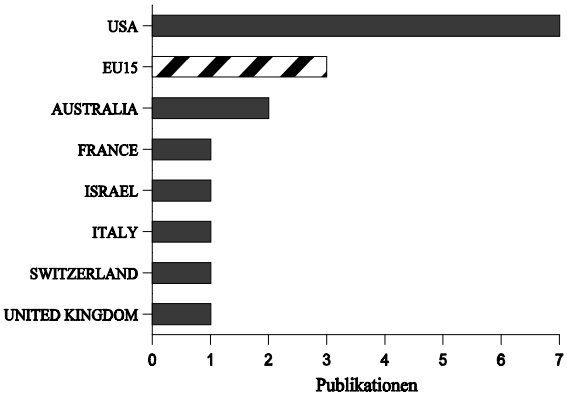


Akteure (Forschungsfront)

Institutionen

2 MONASH-UNIV, AUSTRALIA
2 YALE-UNIV, USA
1 CHAIRE-NEUROPHARMACOL, FRANCE
1 GLAXO-WELLCOME-EXPT-RES, SWITZERLAND
1 GLAXO-WELLCOME-SPA, ITALY
1 HARVARD-UNIV, USA
1 IGBMC, FRANCE
1 INDIANA-UNIV, USA
1 JOHNS-HOPKINS-UNIV, USA
1 NATL-INST-CHILD-HLTH-&-HUMAN-DEV, USA
1 NEUROGENET-LAB, USA
1 OREGON-HLTH-SCI-UNIV, USA
1 ROYAL-LONDON-HOSP, UNITED KINGDOM
1 UNIV-CINCINNATI, USA
1 WEIZMANN-INST-SCI, ISRAEL

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

6 Picciotto-MR Wickman-K
Using Knockout and Transgenic Mice to Study Neurophysiology and Behavior

4 Crabbe-JC Phillips-TJ
Genetics of Alcohol and Other Abused Drugs

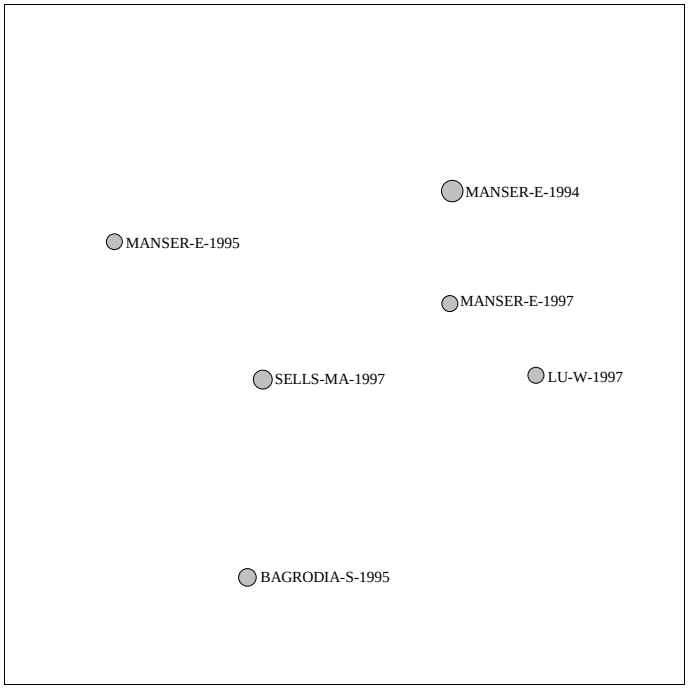
4 Drago-J Padungchaichot-P Accili-D Fuchs-S
Dopamine-Receptors and Dopamine Transporter in Brain-Function and Addictive Behaviors - Insights from Targeted Mouse Mutants

4 Pich-EM Eppingjordan-MP
Transgenic Mice in Drug-Dependence Research

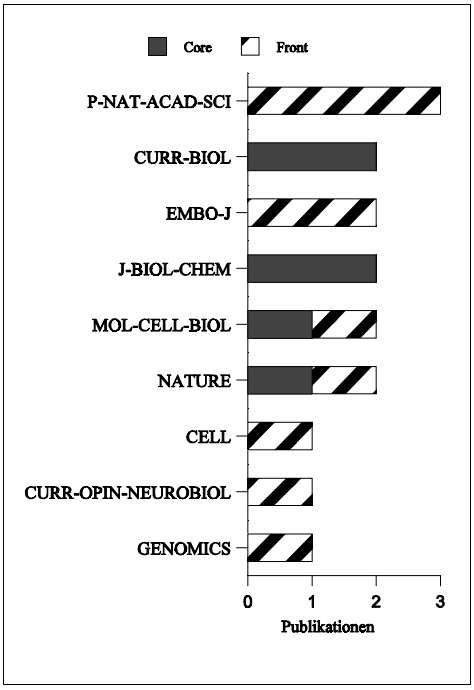
HDS 60: P21-Activated Kinase-1 (Pak1)

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

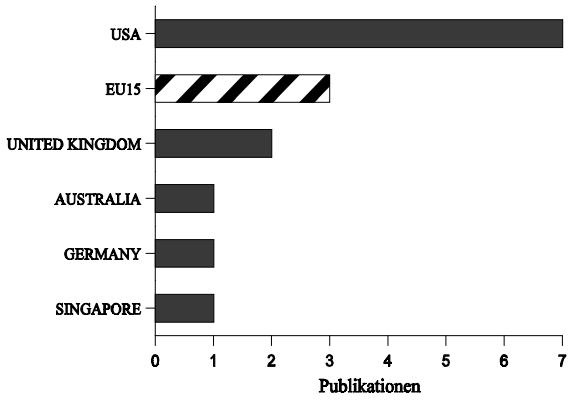


Akteure (Forschungsfront)

Institutionen

4 HARVARD-UNIV, USA
3 CHILDRENS-HOSP, USA
2 UNIV-COLL-LONDON, UNITED KINGDOM
1 AUSTIN-HOSP, AUSTRALIA
1 BETH-ISRAEL-DEACONESS-MED-CTR, USA
1 EUROPEAN-MOL-BIOL-LAB, GERMANY
1 GLAXO-IMCB-GRP, SINGAPORE
1 SCRIPPS-CLIN-&-RES-INST, USA
1 UNIV-CALIF-LOS-ANGELES, USA
1 UNIV-CALIF-SAN-FRANCISCO, USA
1 UNIV-MINNESOTA, USA
1 UNIV-PENN, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Nikolic-M Chou-MM Lu-WG Mayer-BJ Tsai-LH
The P35/Cdk5 Kinase Is a Neuron-Specific Rac Effector That Inhibits Pak1 Activity

5 Tang-Y Marwaha-S Rutkowski-JL Tennekoon-GI Phillips-PC Field-J
A Role for Pak Protein-Kinases in Schwann-Cell Transformation

4 Bruckner-K Klein-R
Signaling by EPH Receptors and Their Ephrin Ligands

4 Daniels-RH Hall-PS Bokoch-GM
Membrane Targeting of P21-Activated Kinase-1 (Pak1) Induces Neurite Outgrowth from PC12 Cells

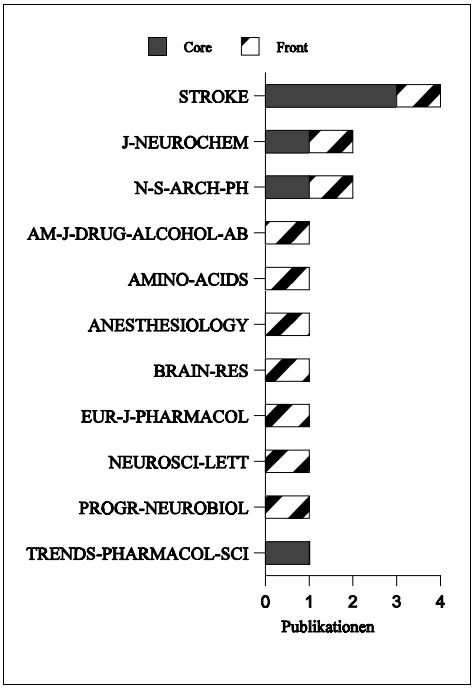
4 Obermeier-A Ahmed-S Manser-E Yen-SC Hall-C Lim-L
Pak Promotes Morphological-Changes by Acting Upstream of Rac

HDS 61: Na+/Ca2+ Channel Blocker

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

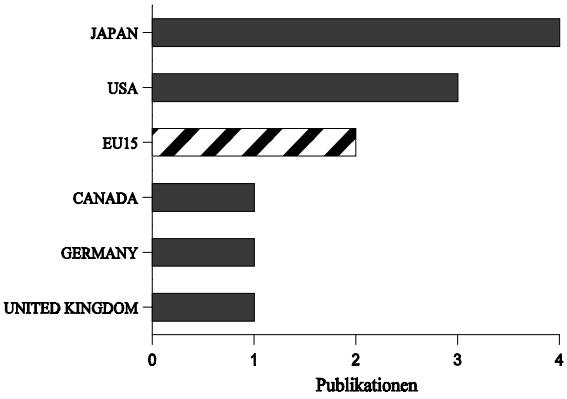


Akteure (Forschungsfront)

Institutionen

4 NIPPON-SHINYAKU-CO-LTD, JAPAN
1 GLAXO-WELLCOME-INC, USA
1 INST-NEUROL, UNITED KINGDOM
1 PFIZER-LTD, UNITED KINGDOM
1 ROYAL-UNIV-HOSP, CANADA
1 UNIV-SASKATCHEWAN, CANADA
1 UNIV-TEXAS, USA
1 UNIV-ULM, GERMANY
1 YALE-UNIV, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

5 Suma-C Hayashi-S Ukai-Y Yoshikuni-Y Kimura-K
Na+ and High-Voltage-Activated Ca2+ Channel Blocking Actions of Ns-7, a Novel Neuroprotective Agent, in Ng108-15 Cells

5 Tatsumi-S Itoh-Y Ma-FH Higashira-H Ukai-Y Yoshikuni-Y Kimura-K
Inhibition of Depolarization-Induced Nitric-Oxide Synthase Activation by Ns-7, a Phenylpyrimidine Derivative, in Primary Neuronal Culture

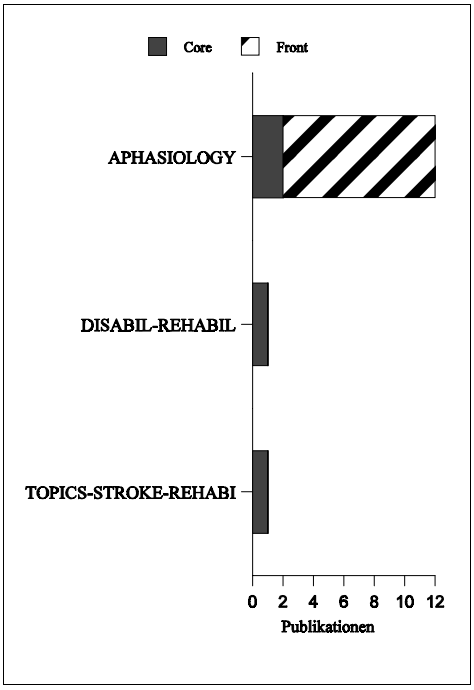
5 Tatsumi-S Itoh-Y Ukai-Y Kimura-K
A Novel Na+/Ca2+ Channel Blocker, Ns-7, Suppresses Hypoxic Injury in Rat Cerebrocortical Slices

HDS 62: Adults with Aphasia

6 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

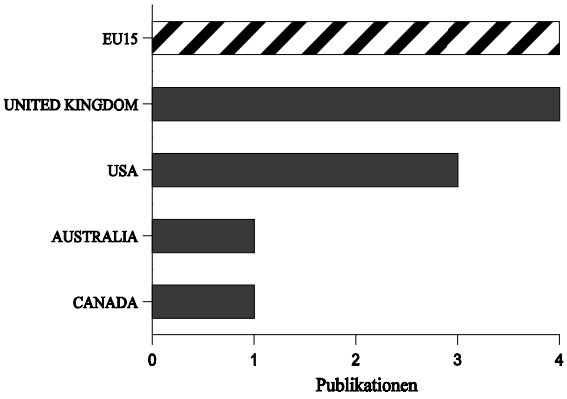


Akteure (Forschungsfront)

Institutionen

3 CITY-UNIV-LONDON, UNITED KINGDOM
2 FRENCHAY-HOSP, UNITED KINGDOM
2 SE-LOUISIANA-UNIV, USA
2 UNIV-W-ENGLAND, UNITED KINGDOM
1 APHASIA-CTR-CALIF, USA
1 APHASIA-CTR-N-YORK, CANADA
1 MIDDLESEX-UNIV, UNITED KINGDOM
1 QUEEN-ELIZABETH-HOSP, AUSTRALIA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

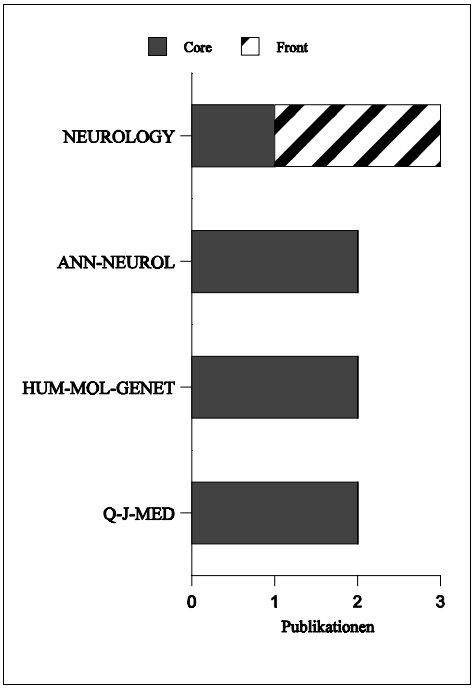
5 Kagan-A
Supported Conversation for Adults with Aphasia - Methods and Resources for Training Conversation Partners
5 Simmonsmackie-N
A Solution to the Discharge Dilemma in Aphasia - Social Approaches to Aphasia Management
4 Kagan-A
Philosophical, Practical and Evaluative Issues Associated with Supported Conversation for Adults with Aphasia - Reply
4 Pound-C
Therapy for Life - Finding New Paths Across the Plateau
4 Simmonsmackie-N
In Support of Supported Conversation for Adults with Aphasia

HDS 63: Aceruloplasminemia

12 Kernpublikationen / 10 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

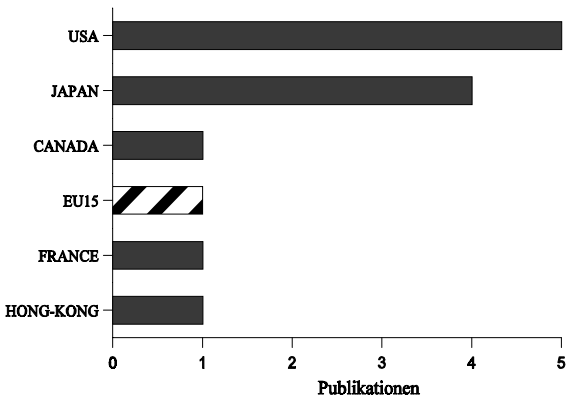


Akteure (Forschungsfront)

Institutionen

3 WASHINGTON-UNIV, USA
2 HAMAMATSU-UNIV, JAPAN
1 ATOM-SURVIVORS-HOSP, JAPAN
1 CALIF-STATE-UNIV-FULLERTON, USA
1 HIROSHIMA-KOUSEI-HOSP, JAPAN
1 HIROSHIMA-RED-CROSS-HOSP, JAPAN
1 HONG-KONG-POLYTECH-UNIV, HONG-KONG
1 HOP-RENE-DUBOS, FRANCE
1 KOBE-UNIV, JAPAN
1 NYU, USA
1 SHINSHU-UNIV, JAPAN
1 SHINSHU-UNIV-HOSP, JAPAN
1 UNIV-WESTERN-ONTARIO, CANADA
1 UNIV-WISCONSIN, USA
1 YAMAGATA-UNIV, JAPAN

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

10 Harris-ZL Klomp-LWJ Gitlin-JD
Aceruloplasminemia - An Inherited Neurodegenerative Disease with Impairment of Iron Homeostasis

10 Levin-LA Geszvain-KM
Expression of Ceruloplasmin in the Retina - Induction After Optic-Nerve Crush

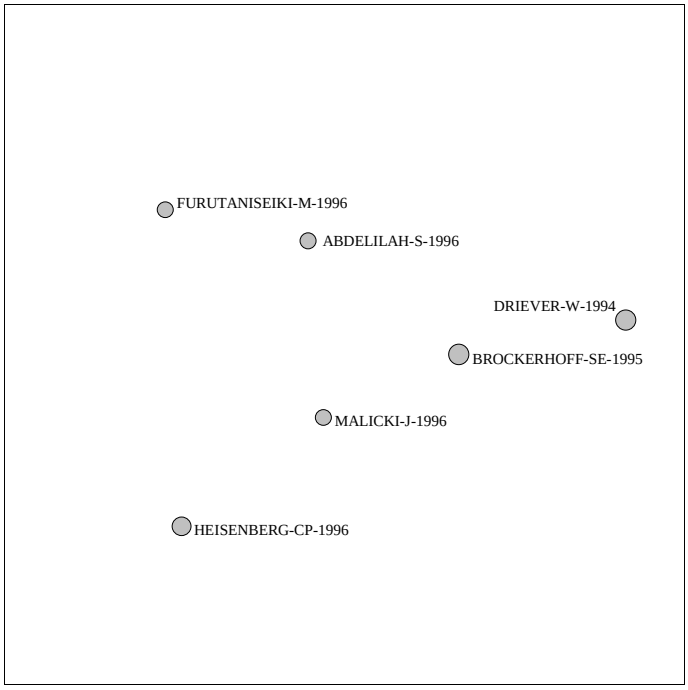
10 Miyajima-H Adachi-J Tatsuno-Y Takahashi-Y Fujimoto-M Kaneko-E Gitlin-JD
Increased Very Long-Chain Fatty-Acids in Erythrocyte-Membranes of Patients with Aceruloplasminemia

9 Yazaki-M Yoshida-K Nakamura-A Furihata-K Yonekawa-M Okabe-T Yamashita-N Ohta-M Ikeda-S
A Novel Splicing Mutation in the Ceruloplasmin Gene Responsible for Hereditary Ceruloplasmin Deficiency with Hemosiderosis

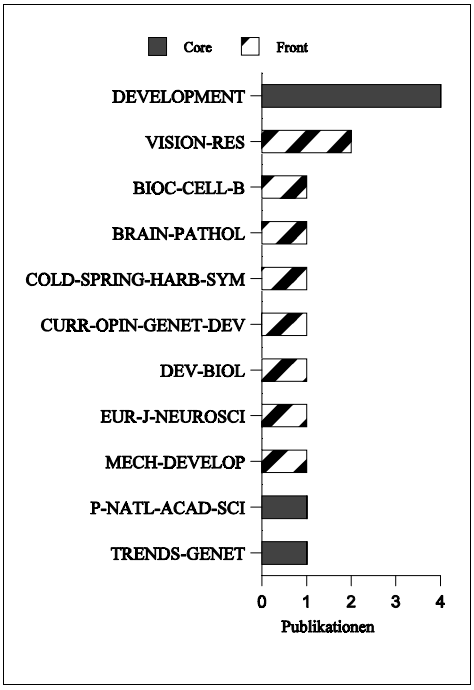
HDS 64: Zebrafish Retinal Mutants

6 Kernpublikationen / 9 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

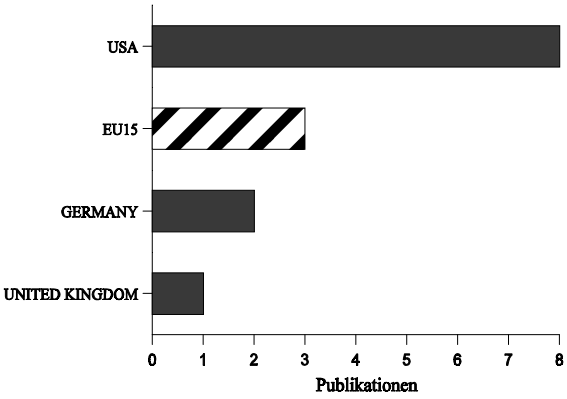


Akteure (Forschungsfront)

Institutionen

3 HARVARD-UNIV, USA
2 NATIONAL-INSTITUTE-NEUROLOGICAL-DISEASES-&-STROKE, USA
2 UNIV-CALIF-SAN-DIEGO, USA
2 UNIV-TEXAS, USA
1 CALTECH, USA
1 MARINE-BIOL-LAB, USA
1 MASSACHUSETTS-GEN-HOSP, USA
1 MAX-PLANCK-INST-BIOPHYS-CHEM, GERMANY
1 MGH, USA
1 ROCKEFELLER-UNIV, USA
1 UNIV-CAMBRIDGE, UNITED KINGDOM
1 UNIV-FREIBURG, GERMANY
1 UNIV-WASHINGTON, USA

Länder



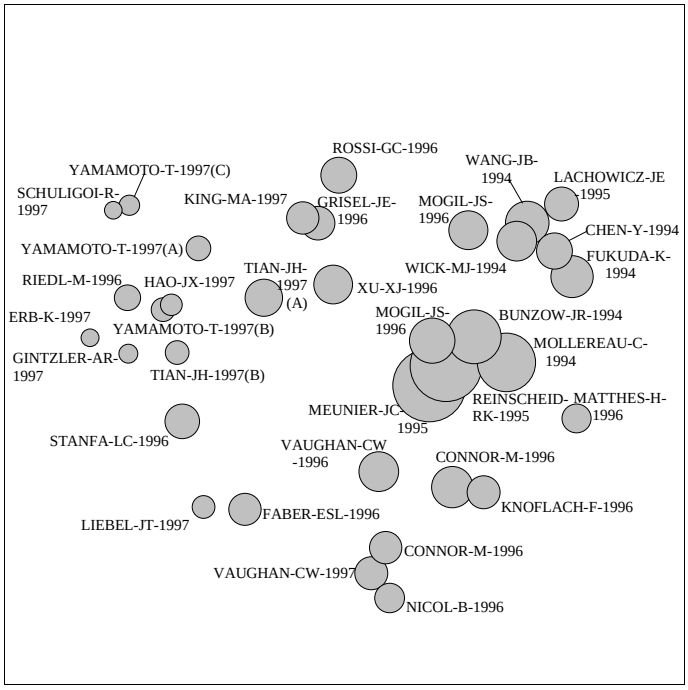
Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Rodriguez-M Driever-W
Mutations Resulting in Transient and Localized Degeneration in the Developing Zebrafish Brain
5 Driever-W Solnicakrezel-L Abdelilah-S Meyer-D Stemple-D
Genetic-Analysis of Pattern-Formation in the Zebrafish Neural Plate
4 Brockerhoff-SE Dowling-JE Hurley-JB
Zebrafish Retinal Mutants

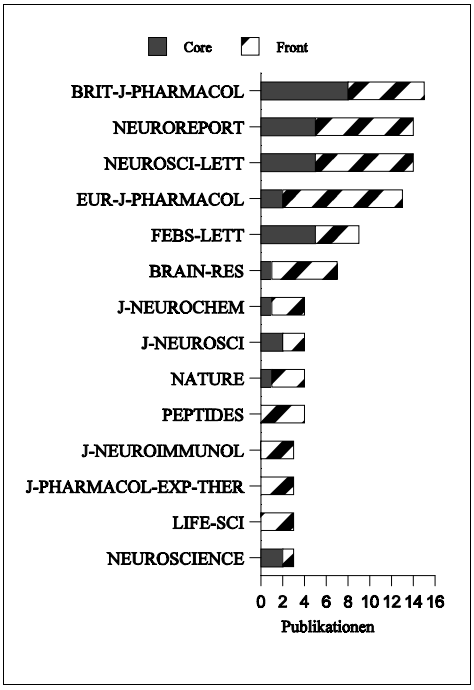
HDS 65: Nociceptin/Orphanin Fq/ORL-1

35 Kernpublikationen / 104 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

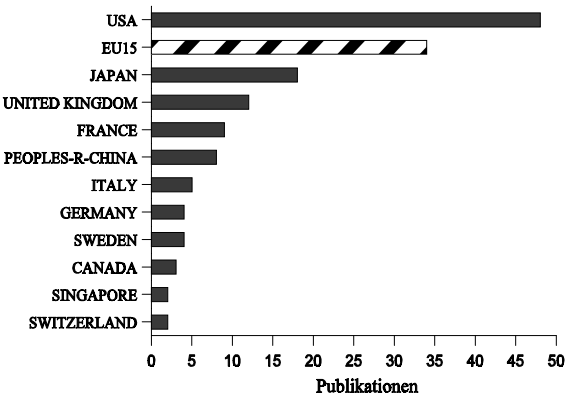


Akteure (Forschungsfront)

Institutionen

8 OREGON-HLTH-SCI-UNIV, USA
7 MEM-SLOAN-KETTERING-CANC-CTR, USA
6 SHANGHAI-MED-UNIV, PEOPLES-R-CHINA
5 UNIV-TOKYO, JAPAN
4 CHINESE-ACAD-SCI, PEOPLES-R-CHINA
4 KANSAI-MED-UNIV, JAPAN
4 UNIV-CALIF-LOS-ANGELES, USA
3 CNRS, FRANCE
3 CUNY-QUEENS-COLL, USA
3 FURMAN-UNIV, USA
3 NAGASAKI-UNIV, JAPAN
3 NAGOYA-UNIV, JAPAN
3 UNIV-CALIF-IRVINE, USA
3 UNIV-FERRARA, ITALY
(und weitere 96 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

32 Meunier-JC
Nociceptin/Orphanin Fq and the Opioid Receptor-Like Orl1 Receptor

31 Zaki-PA Evans-CJ
ORL-1 - An Awkward Child of the Opioid Receptor Family

28 Darland-T Heinricher-MM Grandy-DK
Orphanin Fq/Nociceptin - A Role in Pain and Analgesia, But So Much More

21 Hao-JX Xu-IS Wiesenfeldhallin-Z Xu-XJ
Anti-Hyperalgesic and Anti-Allodynic Effects of Intrathecal Nociceptin/Orphanin Fq in Rats After Spinal-Cord Injury, Peripheral-Nerve Injury and Inflammation

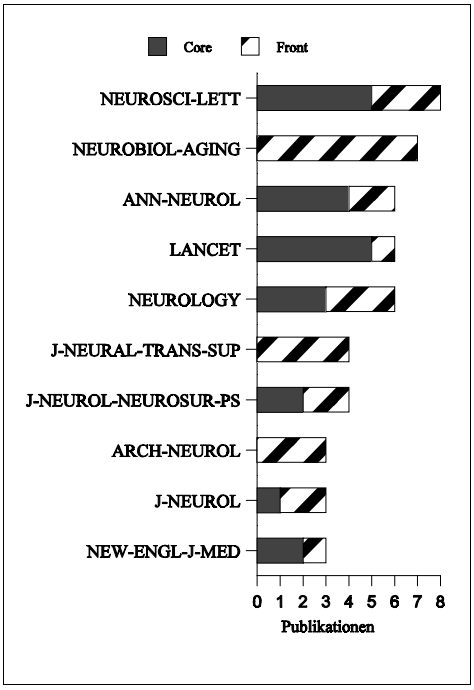
21 Meis-S Pape-HC
Postsynaptic Mechanisms Underlying Responsiveness of Amygdaloid Neurons to Nociceptin/Orphanin Fq

HDS 66: CSF-Tau and A-Beta-42

34 Kernpublikationen / 77 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

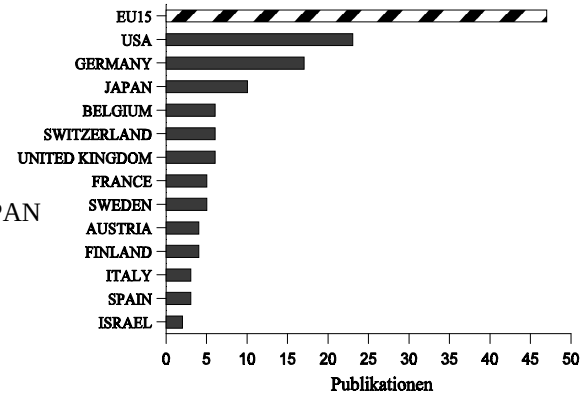


Akteure (Forschungsfront)

Institutionen

5 UNIV-GOTTINGEN, GERMANY
4 UNIV-CALIF-SAN-DIEGO, USA
4 MARIEN-HOSP, GERMANY
4 GUNMA-UNIV, JAPAN
3 WESTERN-GEN-HOSP, UNITED KINGDOM
3 UNIV-KUOPIO, FINLAND
3 UNIV-HAMBURG, GERMANY
3 UNIV-BASEL, SWITZERLAND
3 TOKYO-METROPOLITAN-NEUROL-HOSP, JAPAN
3 TOHOKU-UNIV, JAPAN
3 MASSACHUSETTS-GEN-HOSP, USA
3 KUOPIO-UNIV-HOSP, FINLAND
3 KAROLINSKA-INST, SWEDEN
3 ATHENA-NEUROSCI-INC, USA
(und weitere 128 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

18 Vanmechelen-E
Tau-Protein in the Diagnosis of Old-Age Dementia

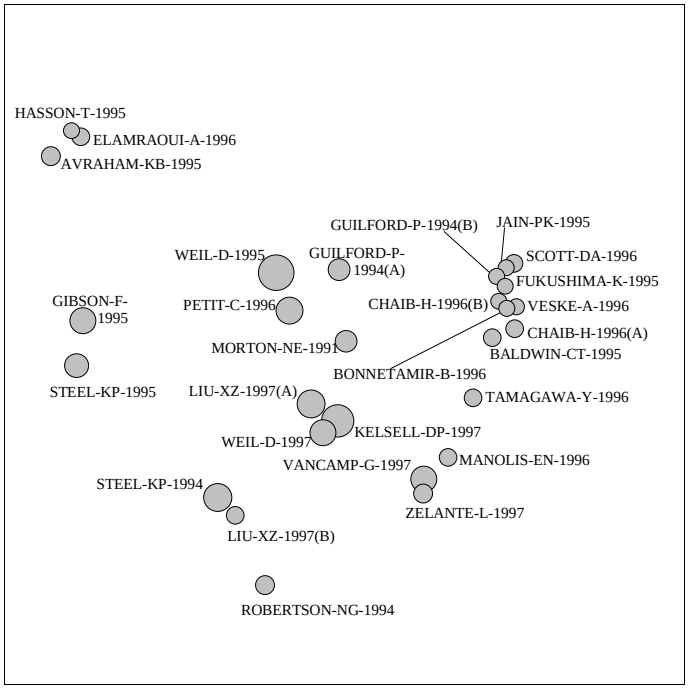
14 Andreasen-N Vanmechelen-E Vandevoorde-A Davidsson-P Hesse-C Tarvonen-S Raiha-I Sourander-L Winblad-B Blennow-K
Cerebrospinal-Fluid Tau-Protein as a Biochemical Marker for Alzheimers-Disease - A Community-Based Follow-Up-Study

14 Gasparini-L Racchi-M Binetti-G Trabucchi-M Solerte-SB Alkon-D Etcheberrigaray-R Gibson-G Blass-J Paoletti-R Govoni-S
Peripheral Markers in Testing Pathophysiological Hypotheses and Diagnosing Alzheimers-Disease

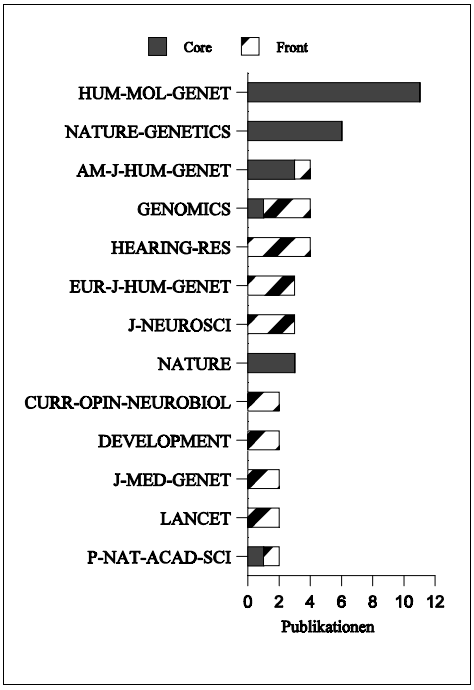
HDS 67: Genetic Causes of Hearing-Loss

28 Kernpublikationen / 38 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



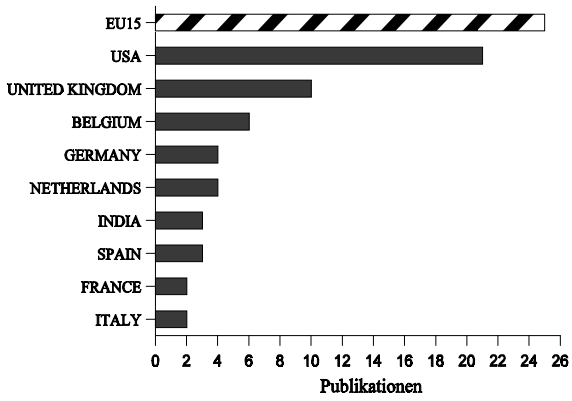
Akteure (Forschungsfront)

Institutionen

4 UNIV-ANTWERP, BELGIUM
4 MRC, UNITED KINGDOM
3 UNIV-NIJMEGEN-HOSP, NETHERLANDS
3 UNIV-CINCINNATI, USA
3 UNIV-BRISTOL, UNITED KINGDOM
3 JACKSON-LAB, USA
3 HARVARD-UNIV, USA
3 BOYS-TOWN-NATL-RES-HOSP, USA

(und weitere 73 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

18 Mustapha-M Chardenoux-S Nieder-A Salem-N Weissenbach-J Elzir-E Loiselet-J Petit-C
A Sensorineural Progressive Autosomal Recessive Form of Isolated Deafness, Dfnb13, Maps to Chromosome 7Q34-Q36

17 Cremers-FPM
Genetic Causes of Hearing-Loss

15 Kunst-H Marres-H Vancamp-G Cremers-C
Non-Syndromic Autosomal-Dominant Sensorineural Hearing-Loss - A New Field of Research

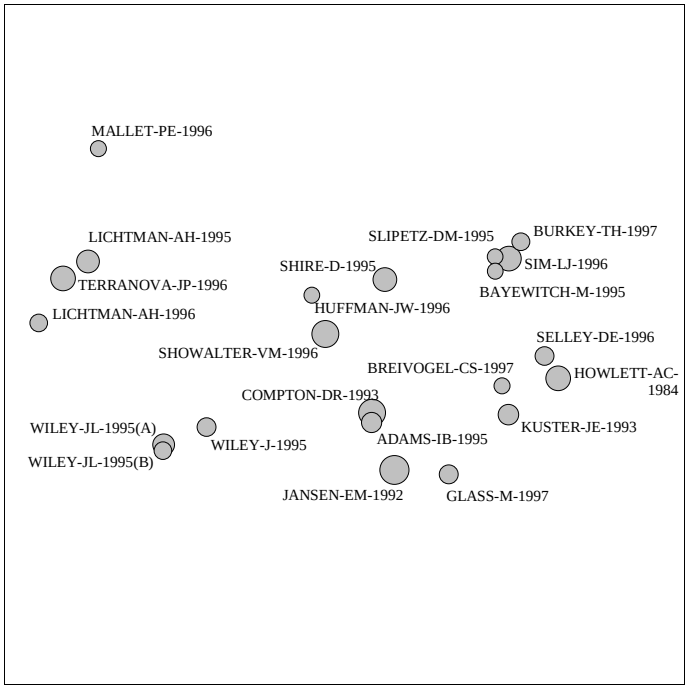
13 Campbell-DA Mchale-DP Brown-KA Moynihan-LM Houseman-M Karbani-G Parry-G Janjua-AH Newton-V Algazali-L Markham-AF Lench-NJ Mueller-RF
A New Locus for Non-Syndromal, Autosomal Recessive, Sensorineural Hearing-Loss (Dfnb16) Maps to Human-Chromosome 15Q21-Q22

13 Kunst-H Marres-H Huygen-P Ensink-R Vancamp-G Vanhauwe-P Coucke-P Willems-P Cremers-C
Nonsyndromic Autosomal-Dominant Progressive Sensorineural Hearing-Loss - Audiological Analysis of a Pedigree Linked to Dfna2

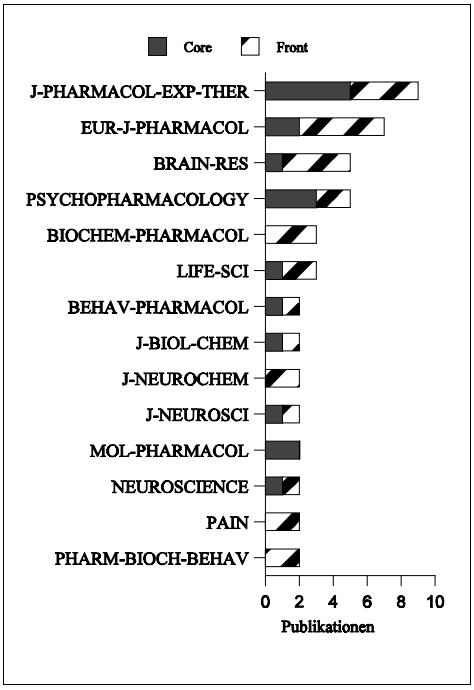
HDS 68: Cannabis and Endogenous Cannabinoid Systems

22 Kernpublikationen / 42 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

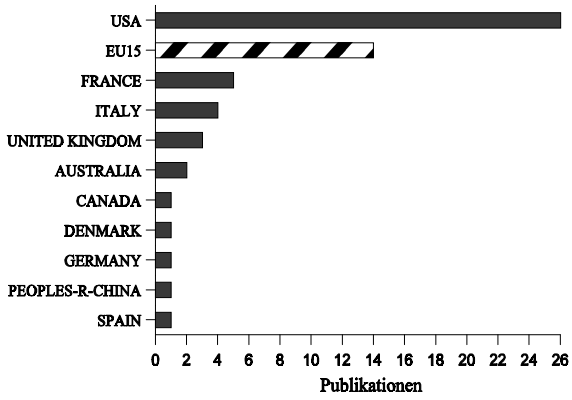


Akteure (Forschungsfront)

Institutionen

8 VIRGINIA-COMMONWEALTH-UNIV, USA
3 WAKE-FOREST-UNIV, USA
3 UNIV-CONNECTICUT, USA
3 UNIV-CAGLIARI, ITALY
3 SANOFI-RECH, FRANCE
2 UNIV-MINNESOTA, USA
2 MICHIGAN-STATE-UNIV, USA

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Childers-SR Breivogel-CS
Cannabis and Endogenous Cannabinoid Systems

10 Griffin-G Atkinson-PJ Showalter-VM Martin-BR Abood-ME
Evaluation of Cannabinoid Receptor Agonists and Antagonists Using the Guanosine-5'-O-(3-(S-35)Thio)-Triphosphate Binding Assay in Rat Cerebellar Membranes

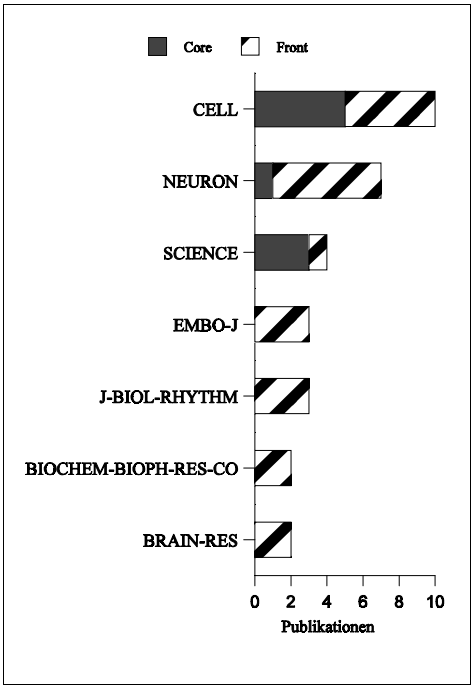
8 Breivogel-CS Selley-DE Childers-SR
Cannabinoid Receptor Agonist Efficacy for Stimulating (S-35) GTP-Gamma-S Binding to Rat Cerebellar Membranes Correlates with Agonist-Induced Decreases in GDP Affinity

HDS 69: How Cells Tell Time

11 Kernpublikationen / 40 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



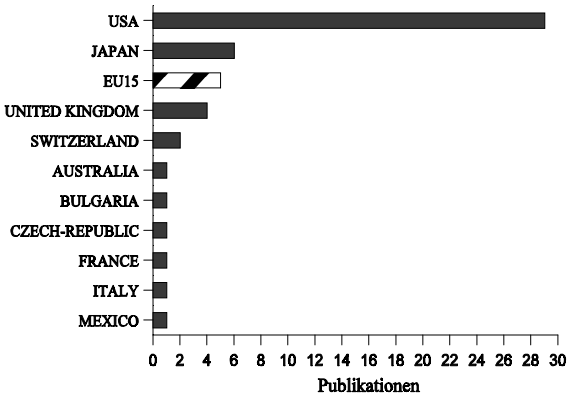
Akteure (Forschungsfront)

Institutionen

6 MASSACHUSETTS-GEN-HOSP, USA
6 HARVARD-UNIV, USA
4 NORTHWESTERN-UNIV, USA
3 UNIV-VIRGINIA, USA
3 ROCKEFELLER-UNIV, USA
3 KOBE-UNIV, JAPAN
3 BRANDEIS-UNIV, USA
2 STANFORD-UNIV, USA
2 JUNTENDO-UNIV, JAPAN

(und weitere 38 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Green-CB
How Cells Tell Time

10 Kloss-B Price-JL Saez-L Blau-J Rothenfluh-A Wesley-CS Young-MW
The Drosophila Clock Gene Double-Time Encodes a Protein Closely-Related to Human Casein Kinase-I-Epsilon

10 Price-JL Blau-J Rothenfluh-A Abodeely-M Kloss-B Young-MW
Double-Time Is a Novel Drosophila Clock Gene That Regulates Period Protein Accumulation

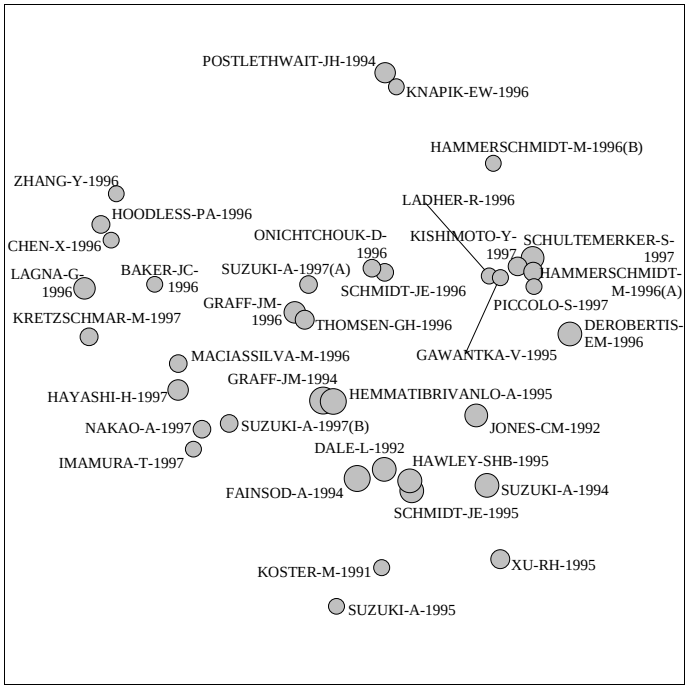
9 Katzenberg-D Young-T Finn-L Lin-L King-DP Takahashi-JS Mignot-E
A Clock Polymorphism Associated with Human Diurnal Preference

9 Zylka-MJ Shearman-LP Weaver-DR Reppert-SM
3 Period Homologs in Mammals - Differential Light Responses in the Suprachiasmatic Circadian Clock and Oscillating Transcripts Outside of Brain

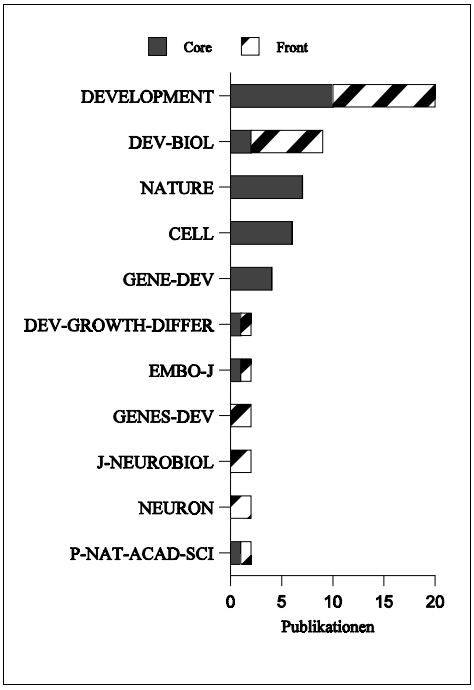
HDS 70: Cell Fate Determination in Embryonic Ectoderm

37 Kernpublikationen / 37 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

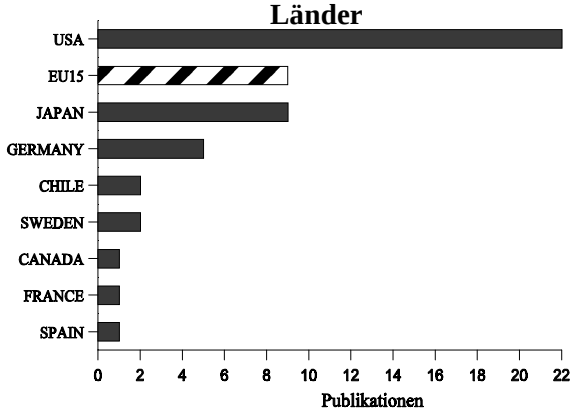


Akteure (Forschungsfront)

Institutionen

4 HARVARD-UNIV, USA
4 KYOTO-UNIV, JAPAN
4 UNIV-TOKYO, JAPAN
3 ROCKEFELLER-UNIV, USA
2 CALTECH, USA
2 MAX-PLANCK-INST-ENTWICKLUNGSBIOL, GERMANY
2 NCI, USA
2 NICHHD, USA
2 UNIV-CHILE, CHILE
2 UNIV-ESSEN-GESAMTHSCH, GERMANY
(und weitere 32 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

29 Chang-CB Hemmatibrivanlou-A
Cell Fate Determination in Embryonic Ectoderm

17 Nguyen-VH Schmid-B Trout-J Connors-SA Ekker-M Mullins-MC
Ventral and Lateral Regions of the Zebrafish Gastrula, Including the Neural Crest Progenitors, Are Established by a Bmp2B/Swirl Pathway of Genes

16 Casellas-R Brivanlou-AH
Xenopus Smad7 Inhibits Both the Activin and Bmp Pathways and Acts as a Neural Inducer

15 Nakayama-T Snyder-MA Grewal-SS Tsuneizumi-K Tabata-T Christian-JL
Xenopus Smad8 Acts Downstream of Bmp-4 to Modulate Its Activity During Vertebrate Embryonic Patterning

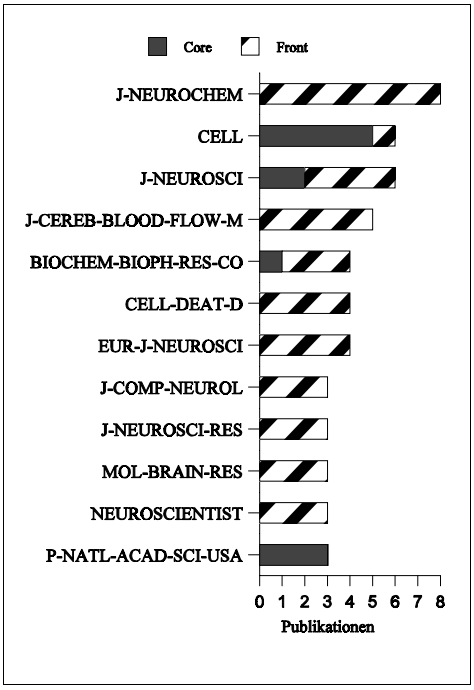
13 Streit-A Lee-KJ Wool-I Roberts-C Jessell-TM Stern-CD
Chordin Regulates Primitive Streak Development and the Stability of Induced Neural Cells, But Is Not Sufficient for Neural Induction in the Chick-Embryo

HDS 71: Caspase-3 in Apoptosis

20 Kernpublikationen / 104 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

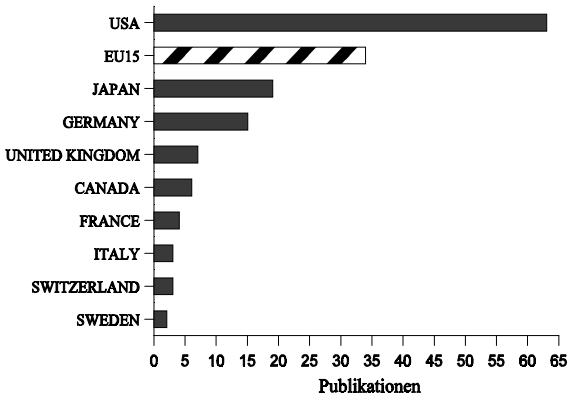


Akteure (Forschungsfront)

Institutionen

11 HARVARD-UNIV, USA
6 WASHINGTON-UNIV, USA
5 UNIV-MICHIGAN, USA
5 WARNER-LAMBERT-PARKE-DAVIS, USA
4 UNIV-ILLINOIS, USA
3 COLUMBIA-UNIV, USA
3 JOHNS-HOPKINS-UNIV, USA
3 OSAKA-UNIV, JAPAN
3 UNIV-HEIDELBERG, GERMANY
3 UNIV-KONSTANZ, GERMANY
3 UNIV-MAINZ, GERMANY
3 UNIV-TUBINGEN, GERMANY
3 VET-ADM-MED-CTR, USA
(und weitere 124 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

12 Villa-PG Henzel-WJ Sensenbrenner-M Henderson-CE Pettmann-B
Calpain Inhibitors, But Not Caspase Inhibitors, Prevent Actin Proteolysis and DNA Fragmentation During Apoptosis

11 Chen-J Nagayama-T Jin-KL Stetler-RA Zhu-RL Graham-SH Simon-RP
Induction of Caspase-3-Like Protease May Mediate Delayed Neuronal Death in the Hippocampus After Transient Cerebral-Ischemia

11 Gorman-AM Orrenius-S Ceccatelli-S
Apoptosis in Neuronal Cells - Role of Caspases

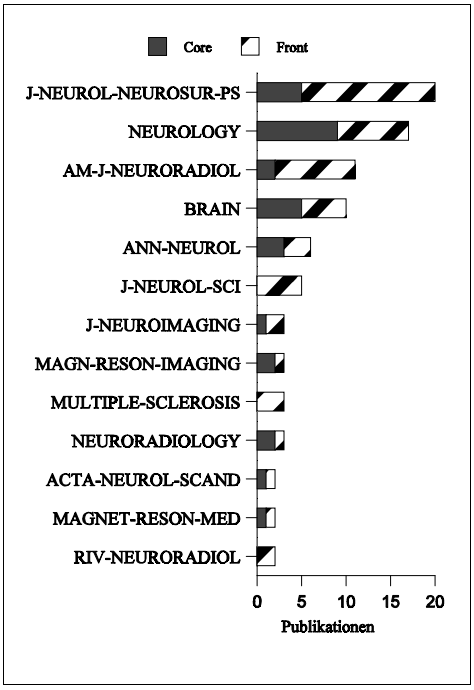
11 Miles-AN Knuckey-NW
Apoptotic Neuronal Death Following Cerebral-Ischemia

HDS 72: Nonconventional MRI in Monitoring MS

35 Kernpublikationen / 71 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil

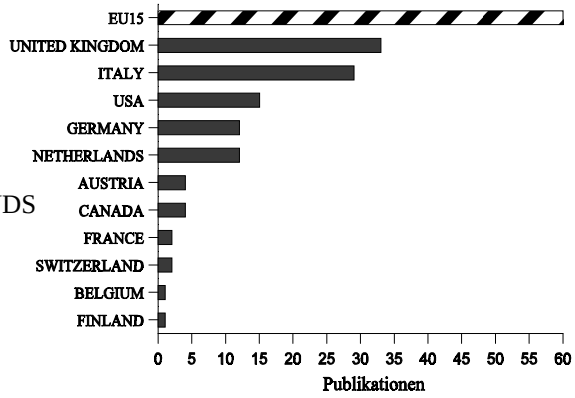


Akteure (Forschungsfront)

Institutionen

22 UNIV-MILAN, ITALY
18 INST-NEUROL, UNITED KINGDOM
9 NATL-HOSP-NEUROL-&-NEUROSURG, UNITED KINGDOM
8 UNIV-MUNICH, GERMANY
7 UNIV-LEICESTER, UNITED KINGDOM
5 FREE-UNIV-AMSTERDAM-HOSP, NETHERLANDS
5 UNIV-BRESCIA, ITALY
4 NATL-INST-CANC-RES, ITALY
4 UNIV-PENN, USA
4 UNIV-ROMA-LA-SAPIENZA, ITALY
(und weitere 71 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

24 Filippi-M
The Role of Nonconventional Magnetic-Resonance Techniques in Monitoring Evolution of Multiple-Sclerosis

15 Filippi-M Horsfield-MA Ader-HJ Barkhof-F Bruzzi-P Evans-A Frank-JA Grossman-RI Mcfarland-HF Molyneux-P Paty-DW Simon-J Tofts-PS Wolinsky-JS Miller-DH
Guidelines for Using Quantitative Measures of Brain Magnetic-Resonance-Imaging Abnormalities in Monitoring the Treatment of Multiple-Sclerosis

14 Filippi-M Mastronardo-G Bastianello-S Rocca-MA Rovaris-M Gasperini-C Pozzilli-C Comi-G
A Longitudinal Brain MRI Study Comparing the Sensitivities of the Conventional and a Newer Approach for Detecting Active Lesions in Multiple-Sclerosis

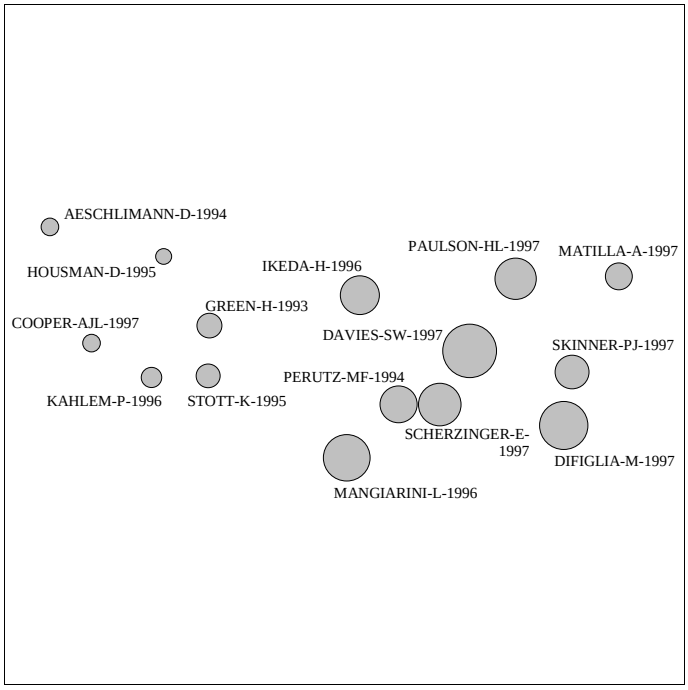
14 Grossman-RI Mcgowan-JC
Perspectives on Multiple-Sclerosis

14 Miller-DH Grossman-RI Reingold-SC Mcfarland-HF
The Role of Magnetic-Resonance Techniques in Understanding and Managing Multiple-Sclerosis

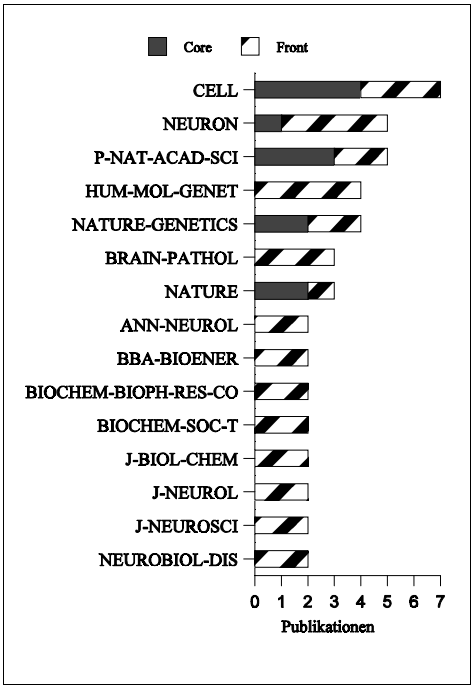
HDS 73: Transglutaminase/Expanded Polyglutamine

15 Kernpublikationen / 66 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

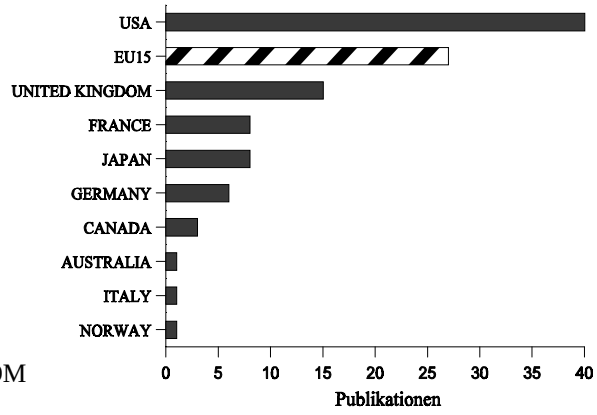


Akteure (Forschungsfront)

Institutionen

7 JOHNS-HOPKINS-UNIV, USA
7 MASSACHUSETTS-GEN-HOSP, USA
6 HARVARD-UNIV, USA
4 EMORY-UNIV, USA
4 UNIV-COLL-LONDON, UNITED KINGDOM
3 CORNELL-UNIV, USA
3 DUKE-UNIV, USA
3 GUYS-HOSP, UNITED KINGDOM
3 HOP-LA-PITIE-SALPETRIERE, FRANCE
3 UNITED-MED-&-DENT-SCH-GUYS-&-ST-THOMAS-HOSP, UNITED KINGDOM
3 UNIV-PENN, USA
3 UNIV-WALES-COLL-MED, UNITED KINGDOM
(und weitere 71 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

14 Kahlem-P Green-H Djian-P
Transglutaminase Action Imitates Huntingtons-Disease - Selective Polymerization of Huntingtin Containing Expanded Polyglutamine

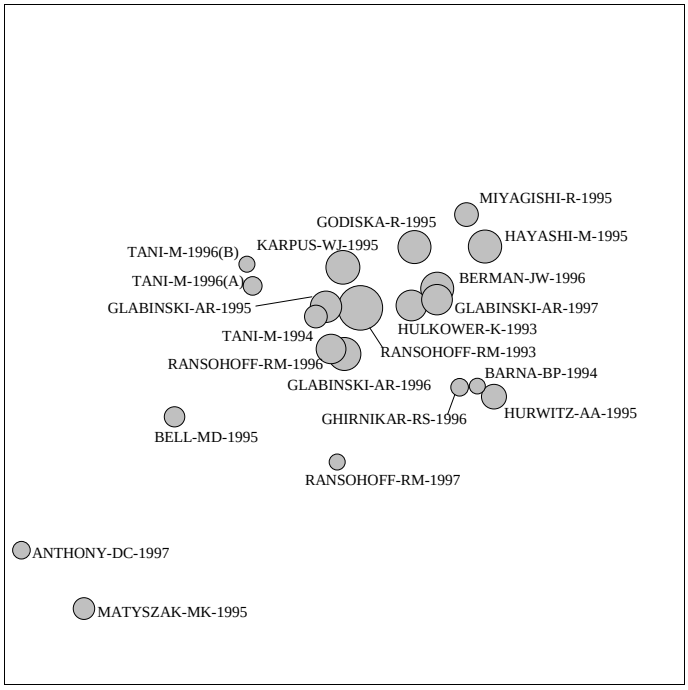
11 Gentile-V Sepe-C Calvani-M Melone-MAB Cotrufo-R Cooper-AJL Blass-JP Peluso-G
Tissue Transglutaminase-Catalyzed Formation of High-Molecular-Weight Aggregates in-Vitro Is Favored with Long Polyglutamine Domains - A Possible Mechanism Contributing to Cag-Triplet Diseases

10 Schmidt-T Landwehrmeyer-GB Schmitt-I Trottier-Y Auburger-G Laccone-F Klockgether-T Volpel-M Epplen-JT Schols-L Riess-O
An Isoform of Ataxin-3 Accumulates in the Nucleus of Neuronal Cells in Affected Brain-Regions of Sca3 Patients

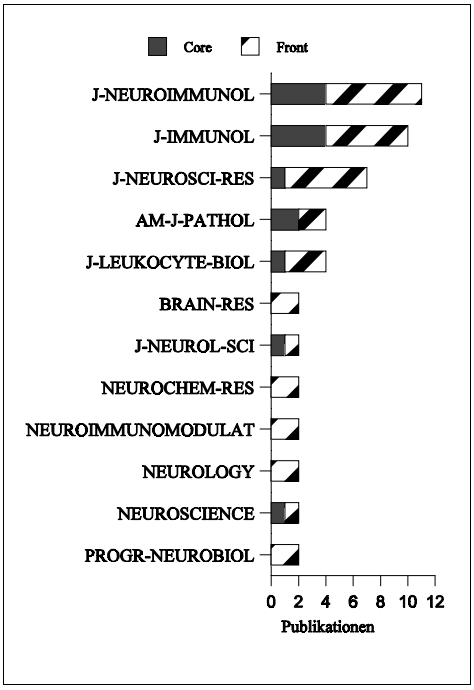
HDS 74: Chemokines and CNS Inflammation

21 Kernpublikationen / 54 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



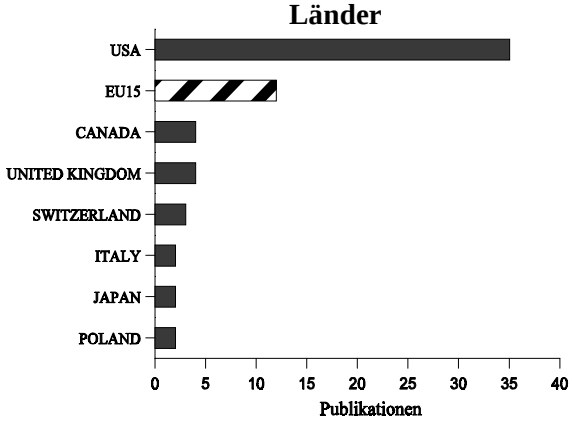
Akteure (Forschungsfront)

Institutionen

9 CLEVELAND-CLIN-FDN, USA
3 SCRIPPS-CLIN-&-RES-INST, USA
3 UNIV-OXFORD, UNITED KINGDOM

(und weitere 66 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

12 Ghirnikar-RS Lee-YL Eng-LF
Inflammation in Traumatic Brain Injury - Role of Cytokines and Chemokines

11 Jiang-Y Salafranca-MN Adhikari-S Xia-YY Feng-LL Sonntag-MK Defiebre-CM Pennell-NA Streit-WJ Harrison-JK
Chemokine Receptor Expression in Cultured Glia and Rat Experimental Allergic Encephalomyelitis

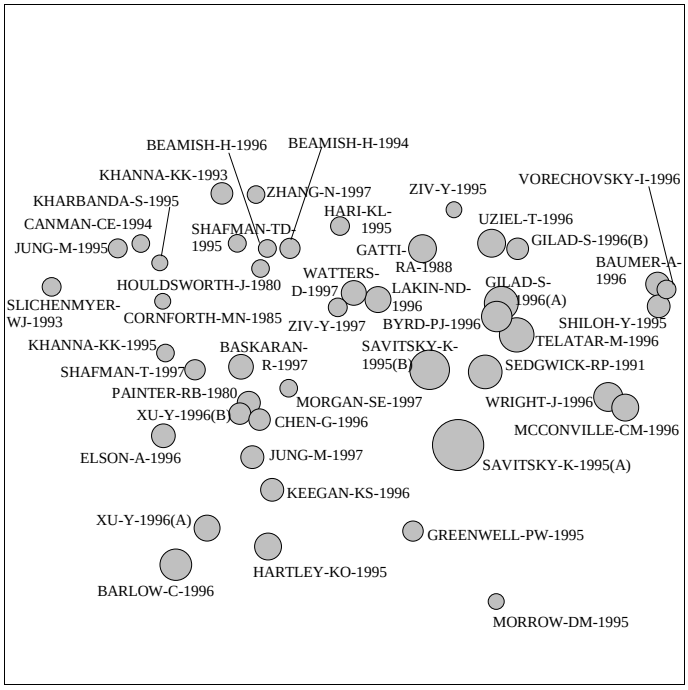
11 Ransohoff-RM Tani-M
Do Chemokines Mediate Leukocyte Recruitment in Posttraumatic CNS Inflammation

11 Simpson-JE Newcombe-J Cuzner-ML Woodroofe-MN
Expression of Monocyte Chemoattractant Protein-1 and Other Beta-Chemokines by Resident Glia and Inflammatory Cells in Multiple-Sclerosis Lesions

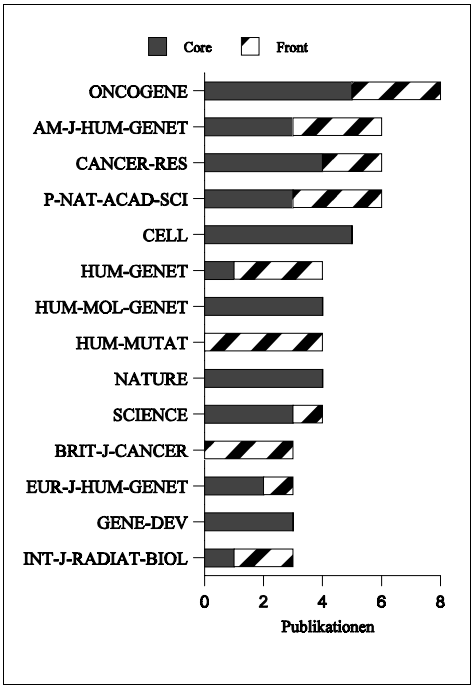
HDS 75: Ataxia-Telangiectasia

45 Kernpublikationen / 47 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



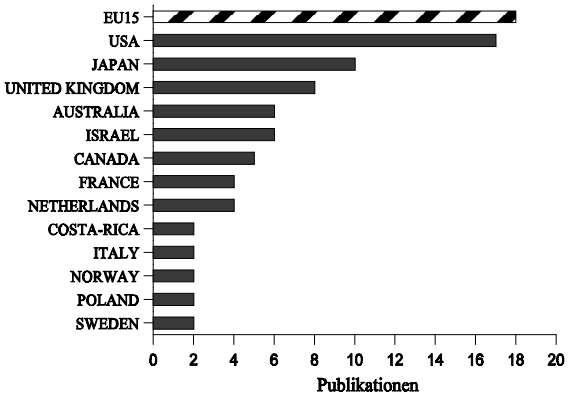
Akteure (Forschungsfront)

Institutionen

6 TEL-AVIV-UNIV, ISRAEL
4 QUEENSLAND-INST-MED-RES, AUSTRALIA
4 UNIV-CALIF-LOS-ANGELES, USA
3 KYOTO-UNIV, JAPAN
3 UNIV-BIRMINGHAM, UNITED KINGDOM

(und weitere 72 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

43 Shiloh-Y
Ataxia-Telangiectasia and the Nijmegen Breakage Syndrome - Related Disorders But Genes Apart

37 Lavin-MF
Radiosensitivity and Oxidative Signaling in Ataxia-Telangiectasia - An Update

32 Zhang-N Chen-P Gatei-M Scott-S Khanna-KK Lavin-MF
An Antisense Construct of Full-Length ATM cDNA Imposes a Radiosensitive Phenotype on Normal-Cells

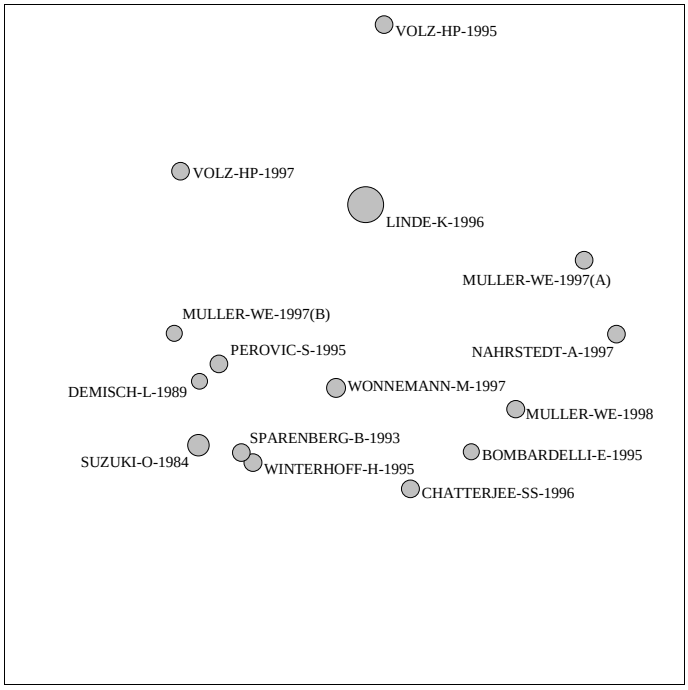
26 Rotman-G Shiloh-Y
Ataxia-Telangiectasia - Is ATM a Sensor of Oxidative Damage and Stress

26 Taylor-AMR
What Has the Cloning of the ATM Gene Told Us About Ataxia-Telangiectasia

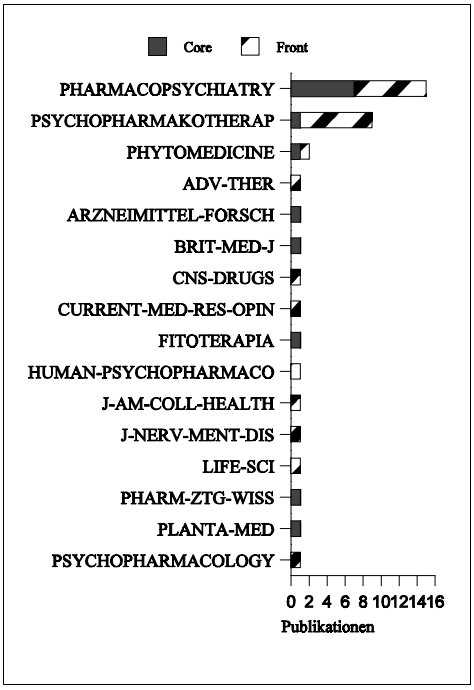
HDS 76: Antidepressant Activity of Hypericum Extract

15 Kernpublikationen / 25 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



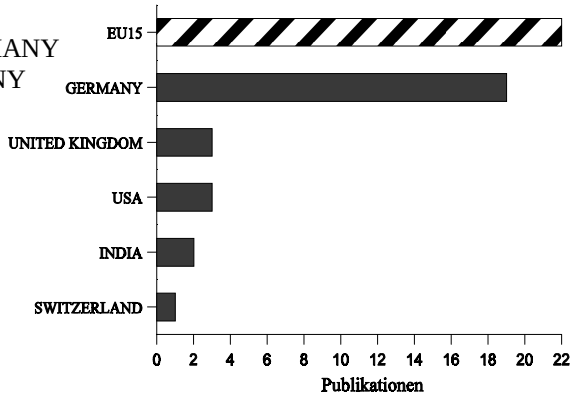
Akteure (Forschungsfront)

Institutionen

5 DR-WILLMAR-SCHWABE-GMBH-&-CO, GERMANY
3 PRO-SCI-PRIVATE-RES-CLIN-GMBH, GERMANY
3 UNIV-FRANKFURT, GERMANY
2 BANARAS-HINDU-UNIV, INDIA
2 LICHTWER-PHARMA-GMBH, GERMANY
2 NIMH, USA

(und weitere 17 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Chatterjee-SS Bhattacharya-SK Wonnemann-M Singer-A Muller-WE
Hyperforin as a Possible Antidepressant Component of Hypericum Extracts

11 Muller-WE Singer-A Wonnemann-M Rolli-M Schafer-C Hafner-U
Effects of a Standardized Hypericum Extract (Li 160) in Biochemical-Models of Antidepressant Activity

7 Bhattacharya-SK Chakrabarti-A Chatterjee-SS
Activity Profiles of 2 Hyperforin-Containing Hypericum Extracts in Behavioral-Models

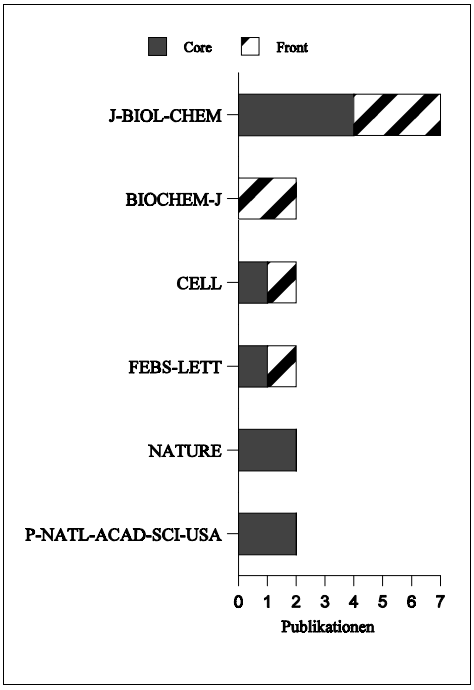
7 Dimpfel-W Schober-F Mannel-M
Tele-Stereo-EEG Following Repetitive Oral Application of 2 Hypericum Extracts in the Rat

HDS 77: Neural Protein Fe65

15 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



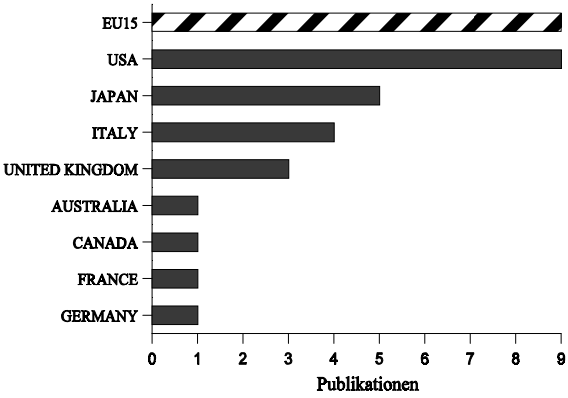
Akteure (Forschungsfront)

Institutionen

4 UNIV-NAPLES-FEDERICO-II, ITALY
2 INST-PSYCHIAT, UNITED KINGDOM
2 JOHNS-HOPKINS-UNIV, USA
2 UNIV-TOKYO, JAPAN

(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

13 Russo-T Faraonio-R Minopoli-G Decandia-P Derenzis-S Zambrano-N
Fe65 and the Protein Network Centered Around the Cytosolic Domain of the Alzheimers Beta-Amyloid Precursor Protein

12 Ermekova-KS Zambrano-N Linn-H Minopoli-G Gertler-F Russo-T Sudol-M
The WW Domain of Neural Protein Fe65 Interacts with Proline-Rich Motifs in Mena, the Mammalian Homolog of Drosophila Enabled

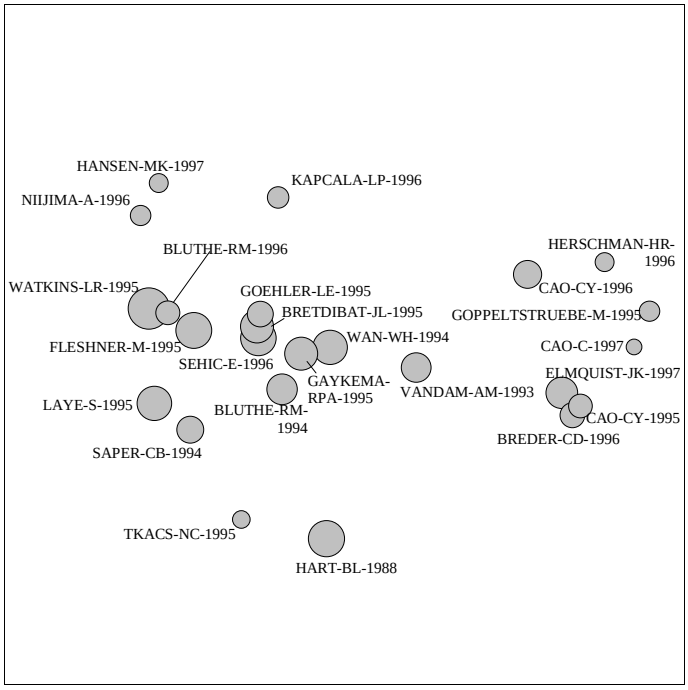
9 Hu-QB Kukull-WA Bressler-SL Gray-MD Cam-JA Larson-EB Martin-GM Deeb-SS
The Human Fe65 Gene - Genomic Structure and an Intronic Biallelic Polymorphism Associated with Sporadic Dementia of the Alzheimer-Type

9 Mcloughlin-DM Irving-NG Miller-CCJ
The Fe65 and XII-Families of Proteins - Proteins That Interact with the Alzheimers-Disease Amyloid Precursor Protein

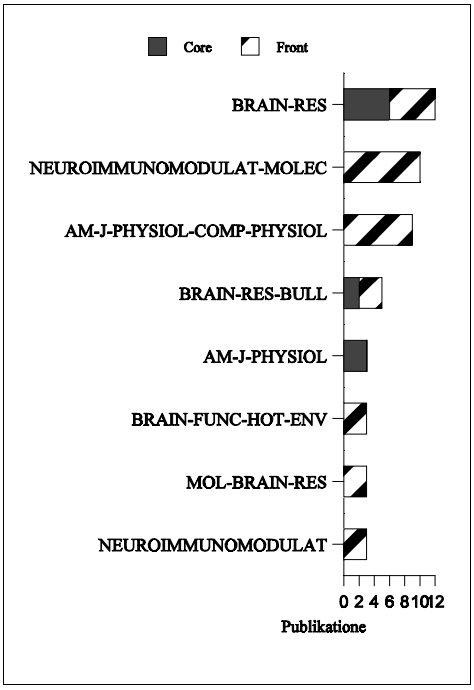
HDS 78: Immunoreactivity/Vagus Nerve

24 Kernpublikationen / 68 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



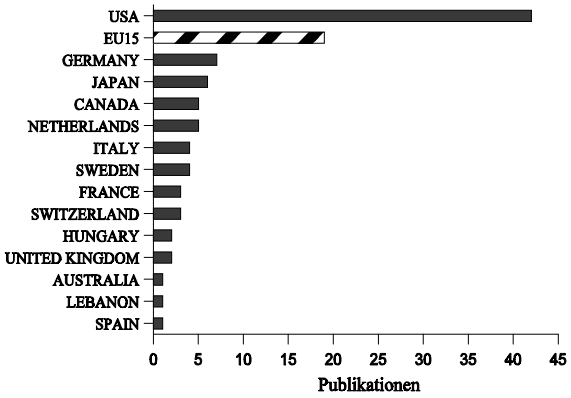
Akteure (Forschungsfront)

Institutionen

7 UNIV-TENNESSEE, USA
6 UNIV-COLORADO, USA
4 NIMH, USA
3 FREE-UNIV-AMSTERDAM, NETHERLANDS
3 LOUISIANA-STATE-UNIV, USA
3 OSAKA-BIOSCI-INST, JAPAN
3 SALK-INST-BIOL-STUDIES, USA
3 UNIV-STOCKHOLM, SWEDEN

(und weitere 64 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

16 Elmquist-JK Scammell-TE Saper-CB
Mechanisms of CNS Response to Systemic Immune Challenge - The Febrile Response

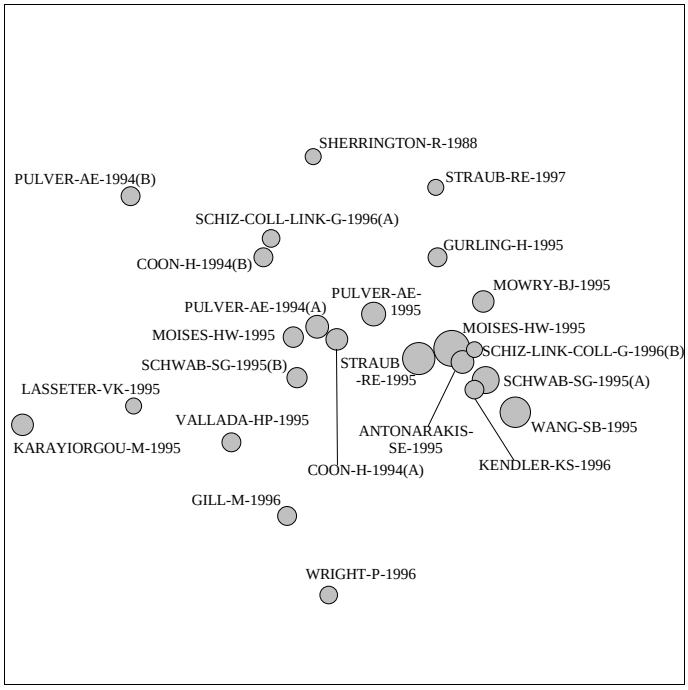
11 Gaykema-RPA Goehler-LE Tilders-FJH Bol-JGJM Mcgorry-M Fleshner-M Maier-SF Watkins-LR
Bacterial-Endotoxin Induces Fos Immunoreactivity in Primary Afferent Neurons of the Vagus Nerve

10 Fleshner-M Goehler-LE Schwartz-BA Mcgorry-M Martin-D Maier-SF Watkins-LR
Thermogenic and Corticosterone Responses to Intravenous Cytokines (IL-1-Beta and TNF-Alpha) Are Attenuated by Subdiaphragmatic Vagotomy

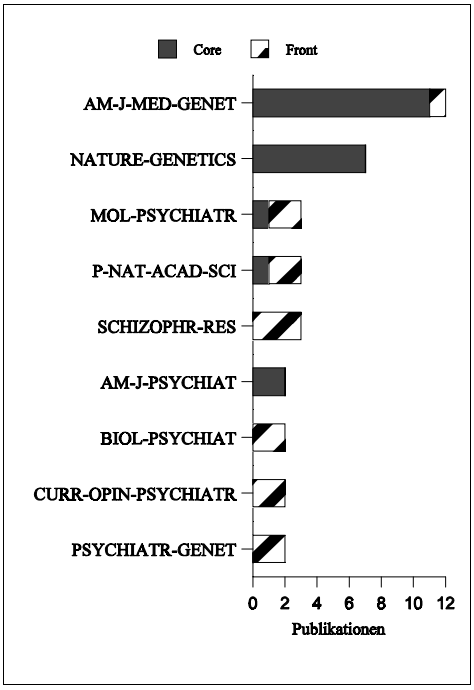
HDS 79: Schizophrenia Susceptibility Genes

24 Kernpublikationen / 31 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



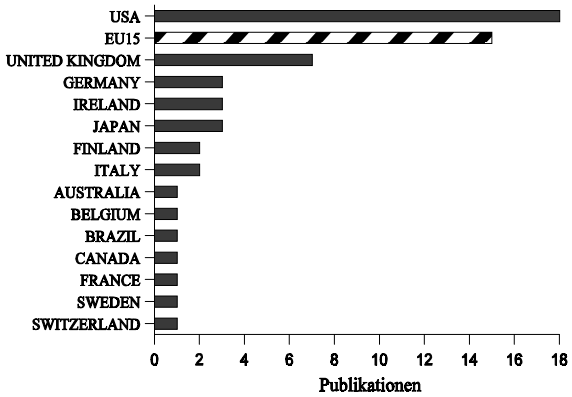
Akteure (Forschungsfront)

Institutionen

3 COLUMBIA-UNIV, USA
3 INST-PSYCHIAT, UNITED KINGDOM
3 NIMH, USA
3 ROCKEFELLER-UNIV, USA
2 ROYAL-COLL-SURGEONS-IRELAND, IRELAND
2 ST-DAVNETS-HOSP, IRELAND
2 UNIV-HELSINKI, FINLAND

(und weitere 58 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

20 Shaw-SH Kelly-M Smith-AB Shields-G Hopkins-PJ Loftus-J Laval-SH Vita-A Dehert-M Cardon-LR Crow-TJ Sherrington-R Delisi-LE
A Genome-Wide Search for Schizophrenia Susceptibility Genes

16 Hovatta-I Lichtermann-D Juvonen-H Suvisaari-J Terwilliger-JD Arajarvi-R Kokkosahin-ML Ekelund-J Lonnqvist-J Peltonen-L
Linkage Analysis of Putative Schizophrenia Gene Candidate Regions on Chromosomes 3P, 5Q, 6P, 8P, 20P and 22Q in a Population-Based Sampled Finnish Family Set

15 Goodman-AB
3 Independent Lines of Evidence Suggest Retinoids as Causal to Schizophrenia

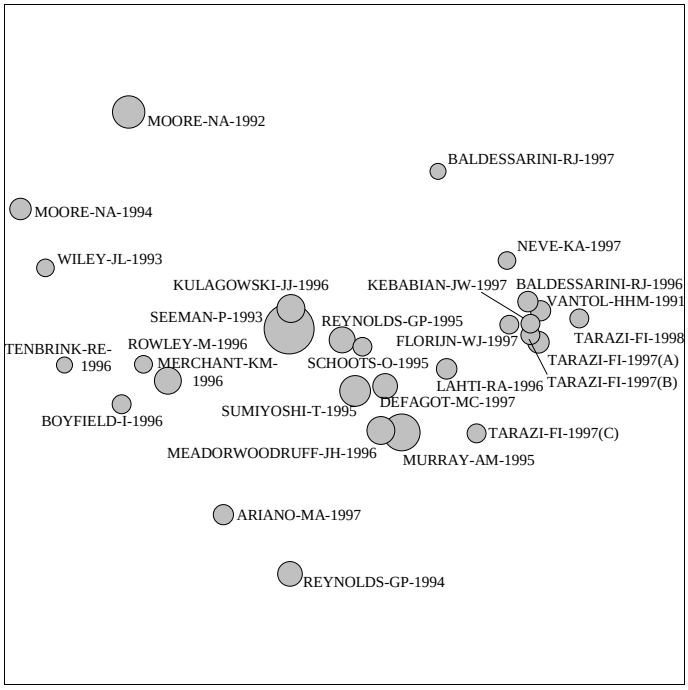
15 Karayiorgou-M Gogos-JA
A Turning-Point in Schizophrenia Genetics

15 Mowry-BJ Nancarrow-DJ Levinson-DF
The Molecular-Genetics of Schizophrenia - An Update

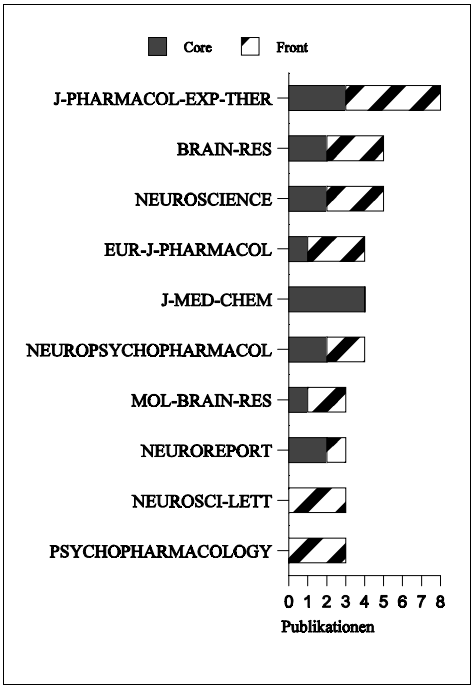
HDS 80: Dopamine-Receptor Subtype

28 Kernpublikationen / 53 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



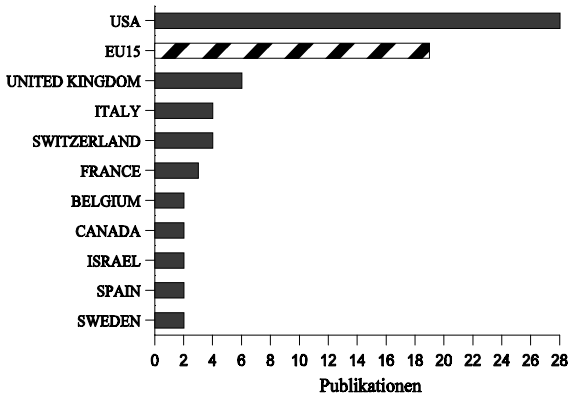
Akteure (Forschungsfront)

Institutionen

12 HARVARD-UNIV, USA
8 MASSACHUSETTS-GEN-HOSP, USA
3 F-HOFFMANN-LA-ROCHE-&-CO-LTD, SWITZERLAND
3 UNIV-MILAN, ITALY

(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

18 Tarazi-FI Campbell-A Yeghiayan-SK Baldessarini-RJ
Localization of Dopamine-Receptor Subtypes in Corpus Striatum and Nucleus-Accumbens-Septi of Rat-Brain - Comparison of D-1-Like, D-2-Like, and D-4-Like Receptors

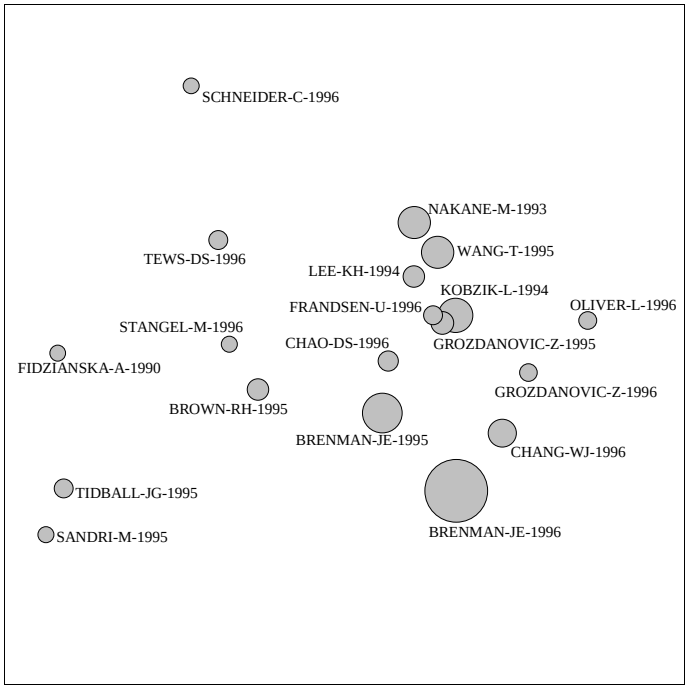
17 Tarazi-FI Yeghiayan-SK Neumeyer-JL Baldessarini-RJ
Medial Prefrontal Cortical D-2 and Striatolimbic D-4 Dopamine-Receptors - Common Targets for Typical and Atypical Antipsychotic-Drugs

15 Tarazi-FI Kula-NS Baldessarini-RJ
Regional Distribution of Dopamine D-4 Receptors in Rat Forebrain

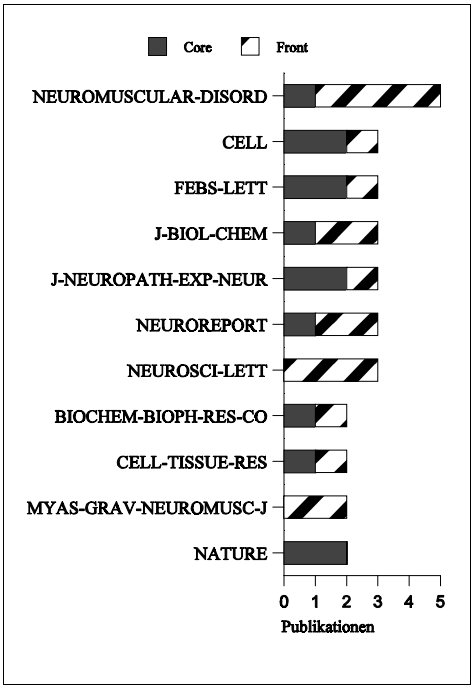
HDS 81: Nitric-Oxide Synthases/Neuromuscular-Junctions

19 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

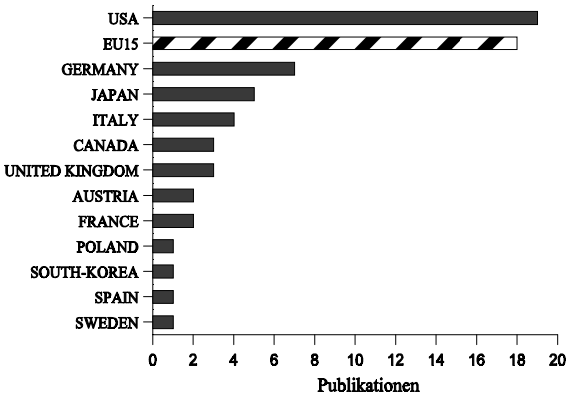


Akteure (Forschungsfront)

Institutionen

4 UNIV-CALIF-SAN-FRANCISCO, USA
3 UNIV-MAINZ, GERMANY
3 UNIV-TEXAS, USA
2 CASE-WESTERN-RESERVE-UNIV, USA
2 CNRS, FRANCE
2 FREE-UNIV-BERLIN, GERMANY
2 HUMBOLDT-UNIV, GERMANY
2 ROYAL-FREE-HOSP, UNITED KINGDOM
2 UNIV-MICHIGAN, USA
2 UNIV-PADUA, ITALY
2 UNIV-SO-CALIF, USA
(und weitere 42 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Tews-DS Goebel-HH Schneider-I Gunkel-A Stennert-E Neiss-WF
Expression of Different Isoforms of Nitric-Oxide Synthase in Experimentally Denervated and Reinnervated Skeletal-Muscle

14 Tews-DS Goebel-HH
Cell-Death and Oxidative Damage in Inflammatory Myopathies

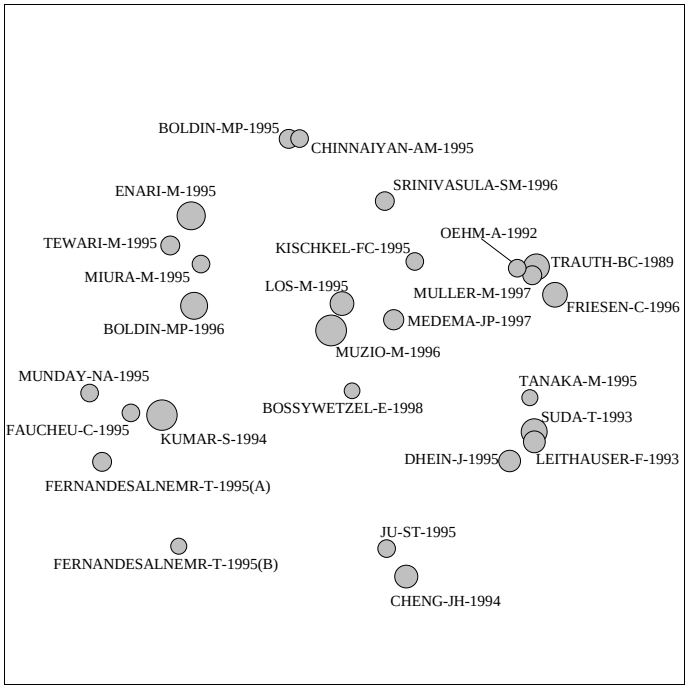
10 Grozdanovic-Z Gossrau-R
Colocalization of Nitric-Oxide Synthase-I (Nos-I) and NMDA Receptor Subunit-1 (Nmdar-1) at the Neuromuscular-Junction in Rat and Mouse Skeletal-Muscle

10 Yang-CC Alvarez-RB Engel-WK Haun-CK Askanas-V
Immunolocalization of Nitric-Oxide Synthases at the Postsynaptic Domain of Human and Rat Neuromuscular-Junctions - Light and Electron-Microscopic Studies

HDS 82: Cd95 (Apo-1/Fas)

27 Kernpublikationen / 45 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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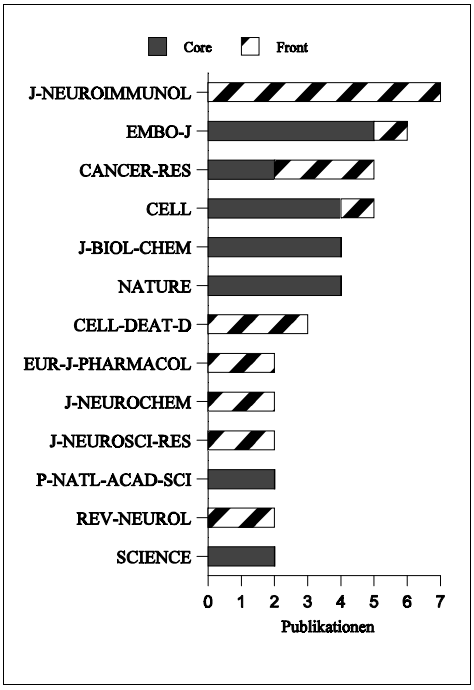
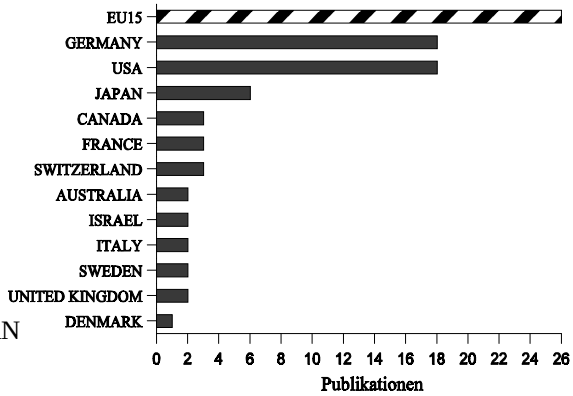


Akteure (Forschungsfront)

Institutionen

10 UNIV-TUBINGEN, GERMANY
4 GERMAN-CANC-RES-CTR, GERMANY
3 OSAKA-UNIV, JAPAN
3 UNIV-HEIDELBERG, GERMANY
2 CLEVELAND-CLIN-FDN, USA
2 HARVARD-UNIV, USA
2 INT-MED-CTR-JAPAN, JAPAN
2 KAROLINSKA-INST, SWEDEN
2 MCGILL-UNIV, CANADA
2 METROHLTH-MED-CTR, USA
2 TEL-AVIV-UNIV, ISRAEL
2 TOKYO-METROPOLITAN-INST-MED-SCI, JAPAN
2 UNIV-BONN, GERMANY
2 UNIV-ULM, GERMANY
2 UNIV-ZURICH-HOSP, SWITZERLAND
(und weitere 45 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

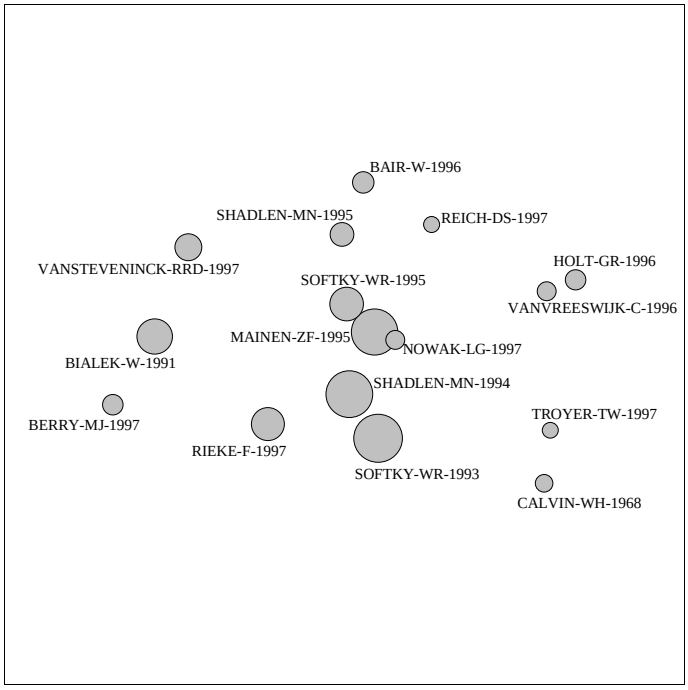
14 Fulda-S Friesen-C Los-M Scaffidi-C Mier-W Benedict-M Nunez-G Krammer-PH Peter-ME Debatin-KM
Betulinic Acid Triggers Cd95 (Apo-1/Fas)-Independent and p53-Independent Apoptosis via Activation of Caspases in Neuroectodermal Tumors

10 Fulda-S Scaffidi-C Pietsch-T Krammer-PH Peter-ME Debatin-KM
Activation of the Cd95 (Apo-1/Fas) Pathway in Drug-Induced and Gamma-Irradiation-Induced Apoptosis of Brain-Tumor Cells

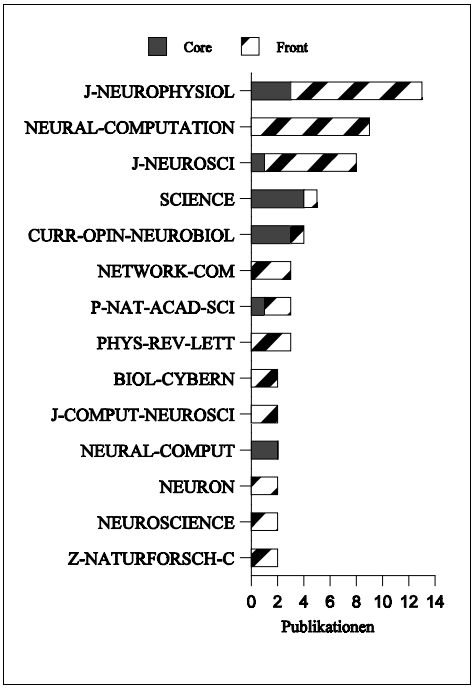
HDS 83: Spiking Neurons/Information Coding

17 Kernpublikationen / 58 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



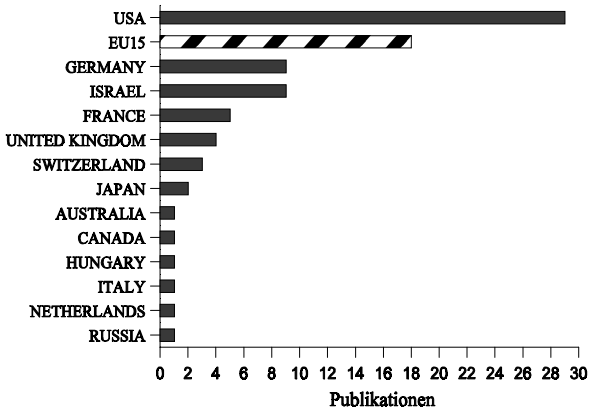
Akteure (Forschungsfront)

Institutionen

6 HEBREW-UNIV-JERUSALEM, ISRAEL
5 SALK-INST-BIOL-STUDIES, USA
4 MIT, USA
4 UNIV-PARIS-06, FRANCE
3 BABRAHAM-INST, UNITED KINGDOM
3 HARVARD-UNIV, USA
3 UNIV-ARIZONA, USA

(und weitere 54 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

13 Stevens-CF Zador-AM
Input Synchrony and the Irregular Firing of Cortical-Neurons

10 Warzecha-AK Kretzberg-J Egelhaaf-M
Temporal Precision of the Encoding of Motion Information by Visual Interneurons

9 Schneidman-E Freedman-B Segev-I
Ion-Channel Stochasticity May Be Critical in Determining the Reliability and Precision of Spike Timing

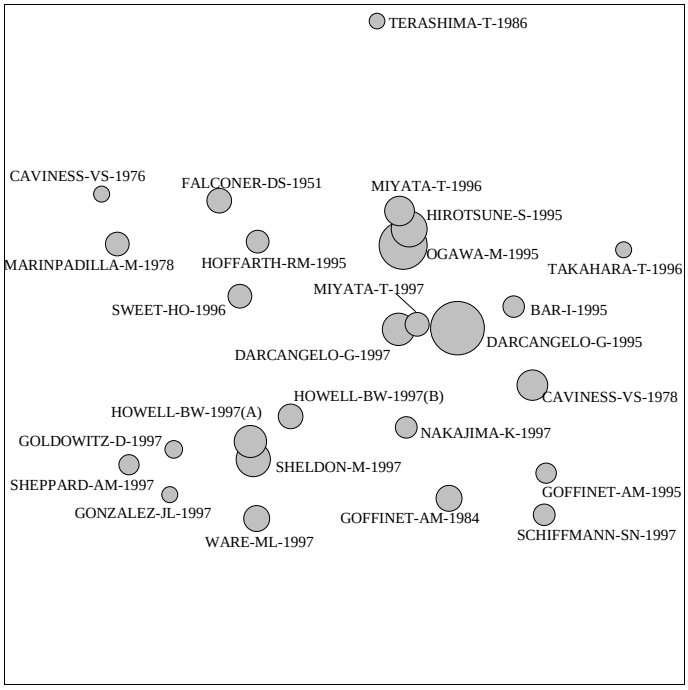
9 Shadlen-MN Newsome-WT
The Variable Discharge of Cortical-Neurons - Implications for Connectivity, Computation, and Information Coding

8 Vanvreeswijk-C Sompolinsky-H
Chaotic Balanced State in a Model of Cortical Circuits

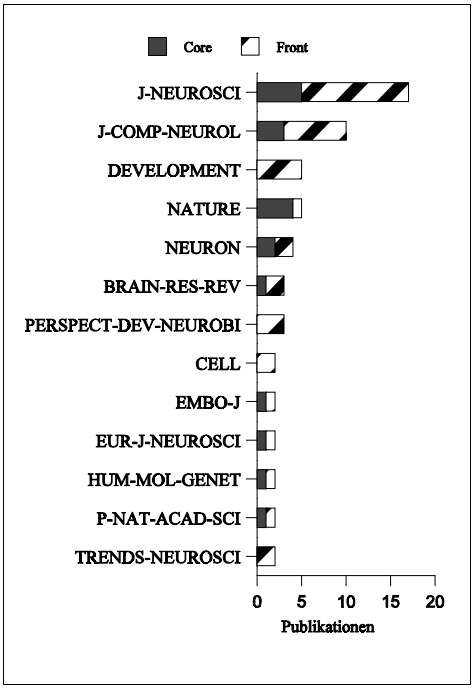
HDS 84: Reelin and Brain-Development

26 Kernpublikationen / 56 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



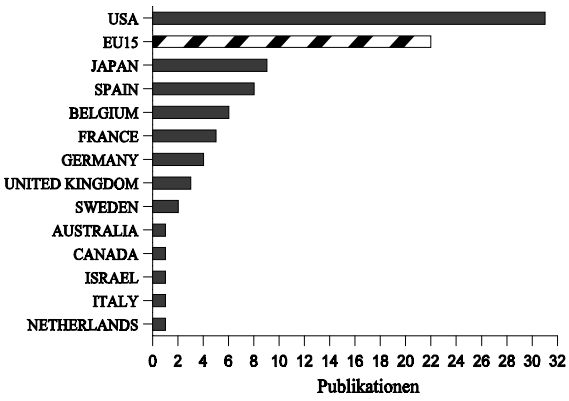
Akteure (Forschungsfront)

Institutionen

6 ST-JUDE-CHILDRENS-HOSP, USA
6 UNIV-TENNESSEE, USA
5 FAC-UNIV-NOTRE-DAME-PAIX, BELGIUM
4 KOCHI-MED-SCH, JAPAN
4 YALE-UNIV, USA
3 HARVARD-UNIV, USA
3 MED-COLL-GEORGIA, USA
3 UNIV-BARCELONA, SPAIN
3 UNIV-TOKYO, JAPAN

(und weitere 69 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

24 Darcangelo-G Curran-T
Reeler - New Tales on an Old Mutant Mouse

21 Pearlman-AL Faust-PL Hatten-ME Brunstrom-JE
New Directions for Neuronal Migration

20 Rice-DS Sheldon-M Darcangelo-G Nakajima-K Goldowitz-D Curran-T
Disabled-1 Acts Downstream of Reelin in a Signaling Pathway That Controls Laminar Organization in the Mammalian Brain

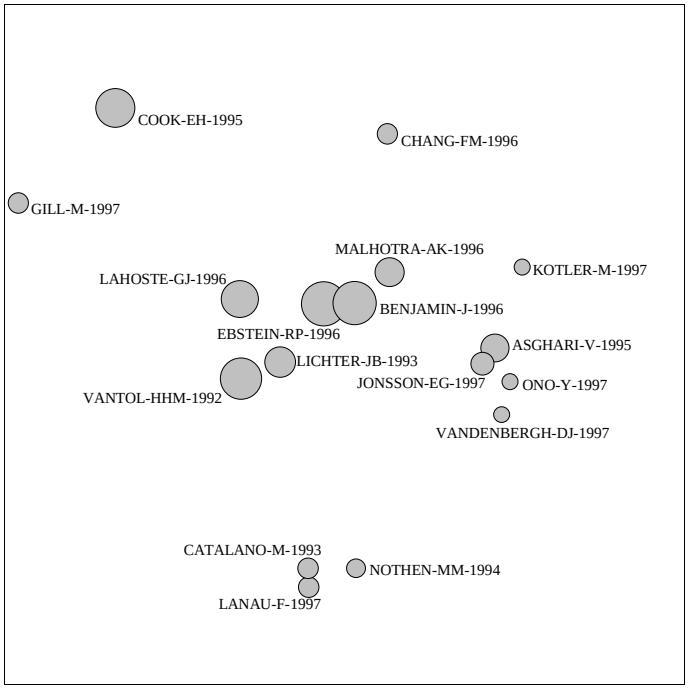
16 Bernier-B Debergeyck-V Derouvroit-CL Royaux-I Goffinet-AM
Reelin and Brain-Development - Progress Since the Cloning of the Reelin Gene

16 Curran-T Darcangelo-G
Role of Reelin in the Control of Brain-Development

HDS 85: Dopamine-D4 Receptor Gene

17 Kernpublikationen / 53 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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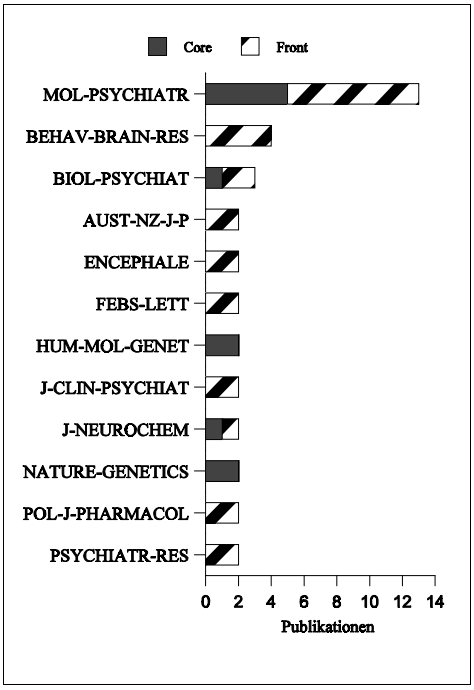


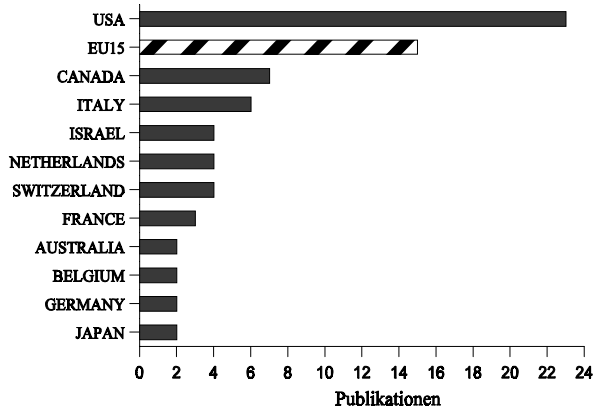
Akteure (Forschungsfront)

Institutionen

6 UNIV-TORONTO, CANADA
5 NIMH, USA
4 BEN-GURION-UNIV-NEGEV, ISRAEL
3 S-HERZOG-MEM-HOSP, ISRAEL
3 UNIV-AMSTERDAM, NETHERLANDS
3 UNIV-CALIF-IRVINE, USA

(und weitere 57 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

11 Jonsson-EG Nothen-MM Gustavsson-JP Neidt-H Forslund-K Mattilaevenden-M Rylander-G Propping-P Asberg-M
Lack of Association Between Dopamine-D4 Receptor Gene and Personality-Traits

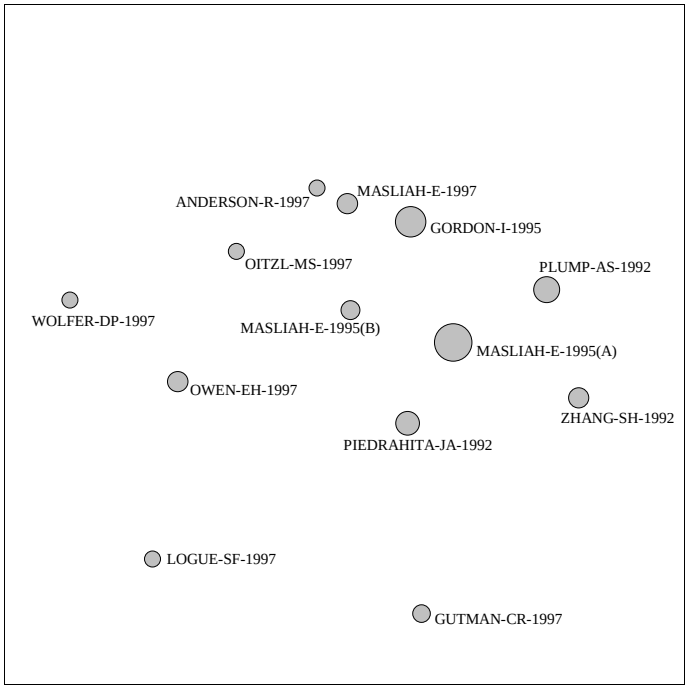
11 Mel-H Horowitz-R Ohel-N Kramer-I Kotler-M Cohen-H Gritsenko-I Ebstein-RP
Additional Evidence for an Association Between the Dopamine-D4 Receptor (D4Dr) Exon-III 7-Repeat Allele and Substance-Abuse in Opioid Dependent Subjects - Relationship of Treatment Retention to Genotype and Personality

11 Serretti-A Macciardi-F Cusin-C Lattuada-E Lilli-R Smeraldi-E
Dopamine-Receptor D-4 Gene Is Associated with Delusional Symptomatology in Mood Disorders

HDS 86: Apolipoprotein-E Knockout Mouse

13 Kernpublikationen / 29 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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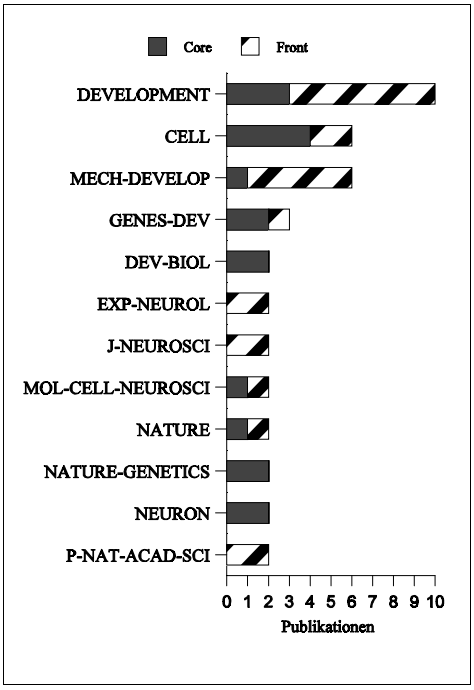


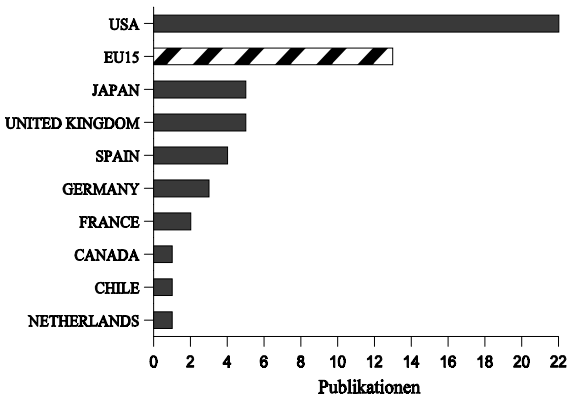
Akteure (Forschungsfront)

Institutionen

5 DUKE-UNIV, USA
3 TEL-AVIV-UNIV, ISRAEL
3 UNIV-WASHINGTON, USA
3 WASHINGTON-UNIV, USA
2 ISRAEL-INST-BIOL-RES, ISRAEL
2 MCGILL-UNIV, CANADA
2 UNIV-CALIF-SAN-DIEGO, USA
2 UNIV-CALIF-SAN-FRANCISCO, USA

(und weitere 46 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Anderson-R Barnes-JC Bliss-TVP Cain-DP Cambon-K Davies-HA Errington-ML Fellows-LA Gray-RA Hoh-T Stewart-M Large-CH Higgins-GA
Behavioral, Physiological and Morphological Analysis of a Line of Apolipoprotein-E Knockout Mouse

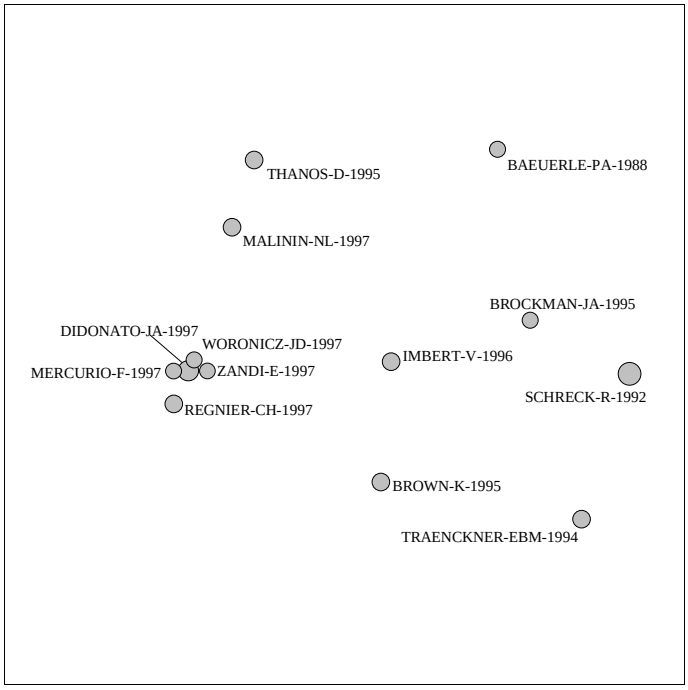
9 Raber-J Wong-D Buttini-M Orth-M Bellosta-S Pitas-RE Mahley-RW Mucke-L
Isoform-Specific Effects of Human Apolipoprotein-E on Brain-Function Revealed in Apoe Knockout Mice - Increased Susceptibility of Females

6 Fagan-AM Murphy-BA Patel-SN Kilbridge-JF Mobley-WC Bu-GJ Holtzman-DM
Evidence for Normal Aging of the Septohippocampal Cholinergic System in Apoe (-/-) Mice But Impaired Clearance of Axonal Degeneration Products Following Injury

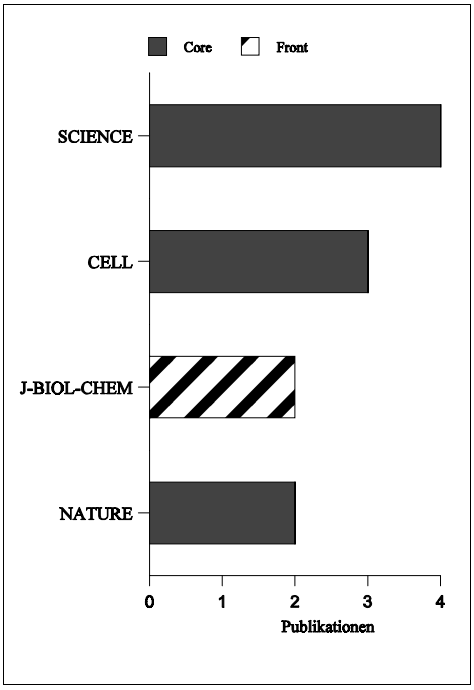
HDS 87: Transcription Factor NF-Kappa-B

13 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



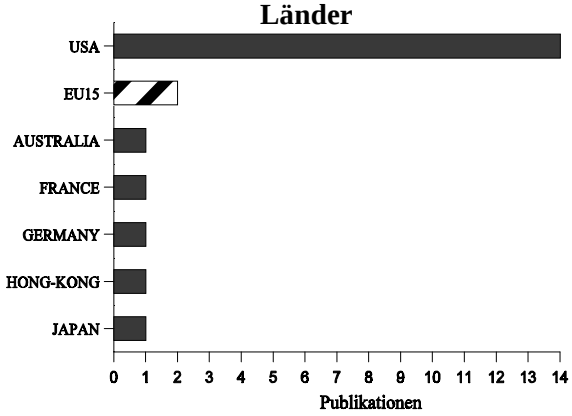
Akteure (Forschungsfront)

Institutionen

2 CORNELL-UNIV, USA
2 MED-COLL-GEORGIA, USA
2 VET-ADM-MED-CTR, USA

(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Lee-SJ Dimtchev-A Lavin-MF Dritschilo-A Jung-M
A Novel Ionizing Radiation-Induced Signaling Pathway That Activates the Transcription Factor NF-Kappa-B

8 Tong-LQ Toliverkinsky-T Taglialatela-G Werrbachperez-K Wood-T Perezpolo-JR
Signal-Transduction in Neuronal Death

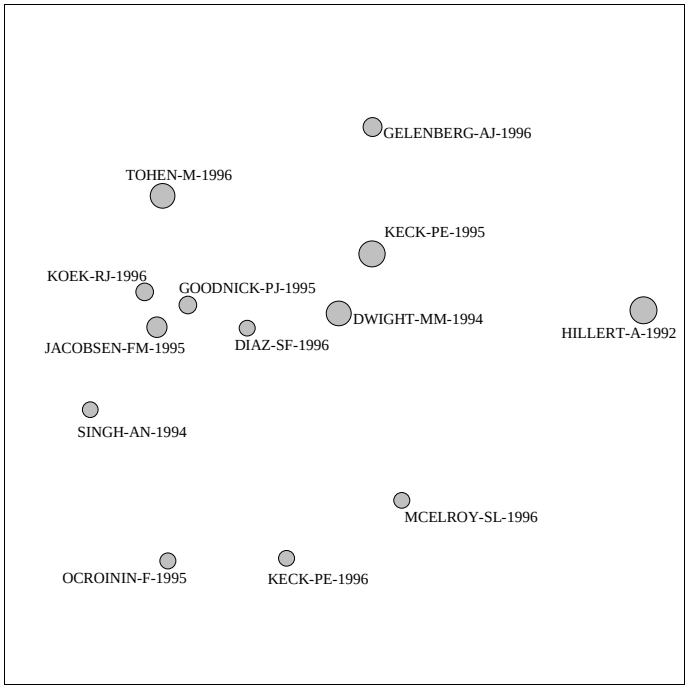
7 New-DR Maggirwar-SB Epstein-LG Dewhurst-S Gelbard-HA
HIV-1 TAT Induces Neuronal Death via Tumor-Necrosis-Factor-Alpha and Activation of Non-N-Methyl-D-Aspartate Receptors by a NF-Kappa-B-Independent Mechanism

6 Massa-PT Wu-C
Increased Inducible Activation of NF-Kappa-B and Responsive Genes in Astrocytes Deficient in the Protein-Tyrosine-Phosphatase Shp-1

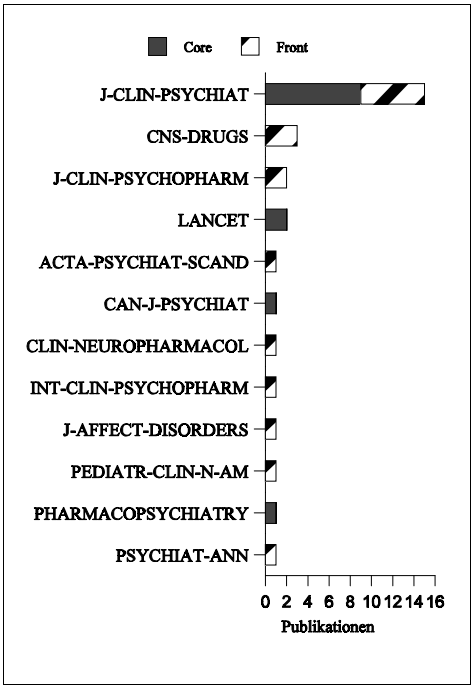
HDS 88: Antipsychotic Agents and Bipolar Disorder

13 Kernpublikationen / 17 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

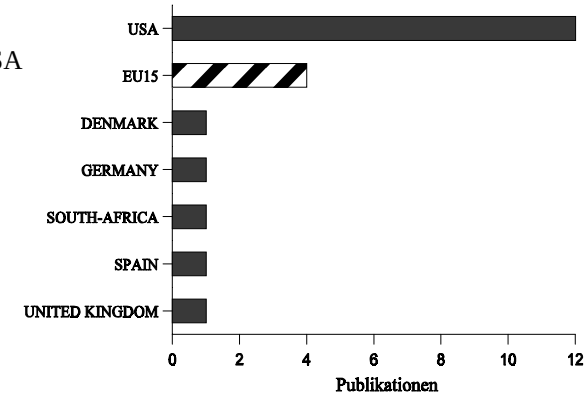


Akteure (Forschungsfront)

Institutionen

3 HARVARD-UNIV, USA
3 NIMH, USA
3 W-LOS-ANGELES-VET-AFFAIRS-MED-CTR, USA
2 MCLEAN-HOSP, USA
2 SUNY-HLTH-SCI-CTR, USA
2 TUFTS-UNIV, USA
2 UNIV-CINCINNATI, USA
2 UNIV-IOWA-HOSP-&-CLIN, USA
2 UNIV-MICHIGAN, USA
2 VANDERBILT-UNIV, USA
2 VET-AFFAIRS-MED-CTR,PORTLAND, USA
2 VET-AFFAIRS-N-TEXAS-MED-CTR, USA
(und weitere 19 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

12 Keck-PE Mcelroy-SL Strakowski-SM
Anticonvulsants and Antipsychotics in the Treatment of Bipolar Disorder

12 Tohen-M Zarate-CA
Antipsychotic Agents and Bipolar Disorder

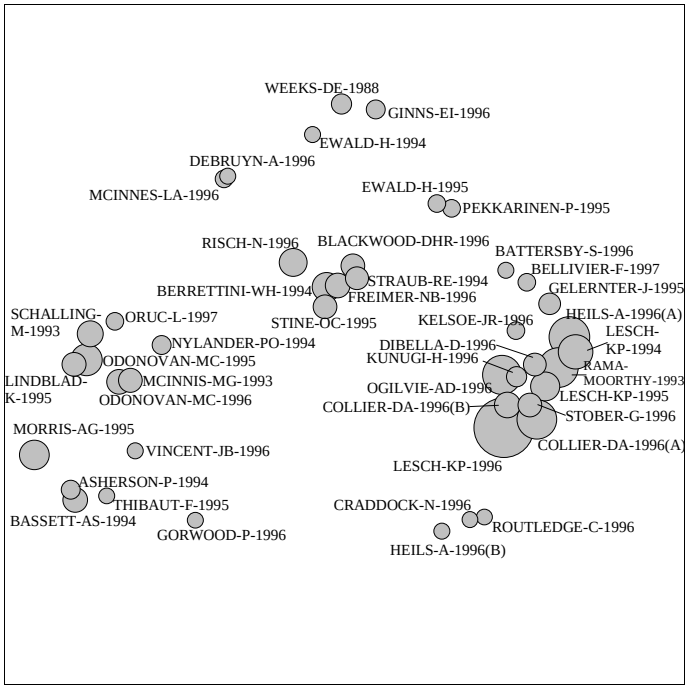
11 Frye-MA Ketter-TA Altshuler-LL Denicoff-K Dunn-RT Kimbrell-TA Coralocatelli-G Post-RM
Clozapine in Bipolar Disorder - Treatment Implications for Other Atypical Antipsychotics

10 Segal-J Berk-M Brook-S
Risperidone Compared with Both Lithium and Haloperidol in Mania - A Double-Blind Randomized Controlled Trial

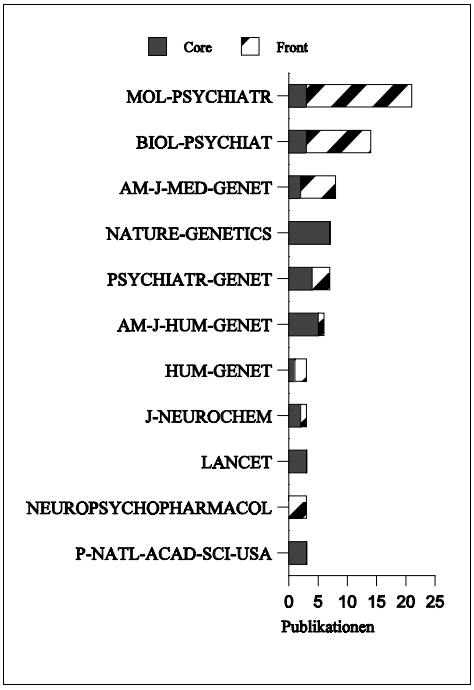
HDS 89: Serotonin Transporter Gene Htt

44 Kernpublikationen / 85 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



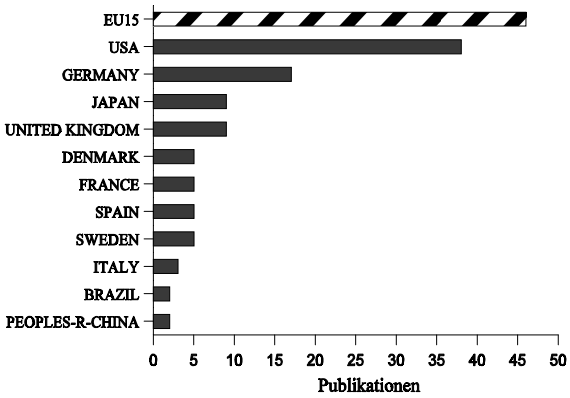
Akteure (Forschungsfront)

Institutionen

13 UNIV-WURZBURG, GERMANY
10 NIMH, USA
5 UNIV-WALES-COLL-MED, UNITED KINGDOM
5 YALE-UNIV, USA
4 THOMAS-JEFFERSON-UNIV, USA

(und weitere 126 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

25 Ewald-H Flint-T Degn-B Mors-O Kruse-TA
A Functional Variant of the Serotonin Transporter Gene in Families with Bipolar Affective-Disorder

22 Ewald-H
The Serotonin Transporter Gene - Function and Psychopathology

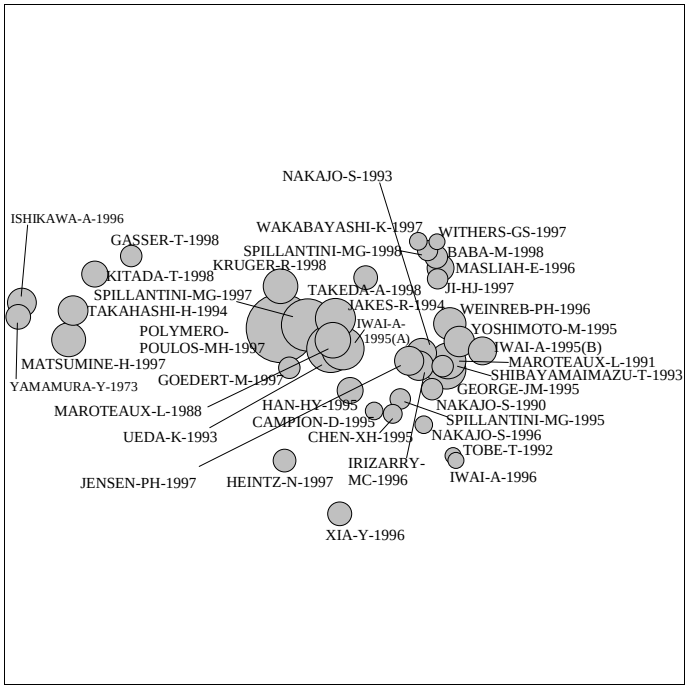
14 Balciuniene-J Yuan-QP Engstrom-C Lindblad-K Nylander-PO Sundvall-M Schalling-M Pettersson-U Adolfsson-R Jazin-EE
Linkage Analysis of Candidate Loci in Families with Recurrent Major Depression

14 Kunugi-H Hattori-M Kato-T Tatsumi-M Sakai-T Sasaki-T Hirose-T Nanko-S
Serotonin Transporter Gene Polymorphisms - Ethnic Difference and Possible Association with Bipolar Affective-Disorder

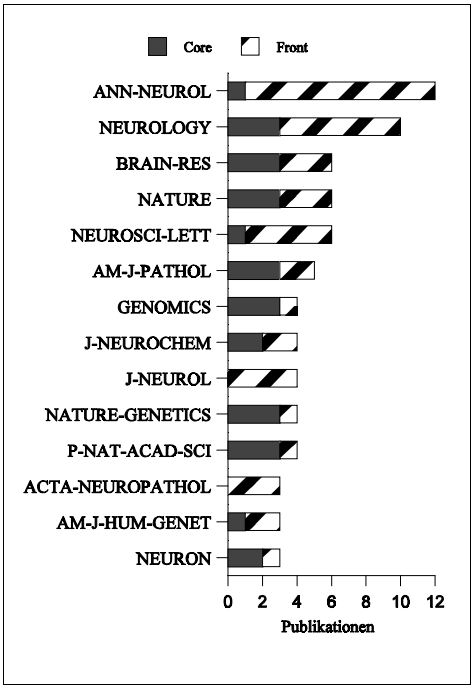
HDS 90: The Synuclein Family

40 Kernpublikationen / 83 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



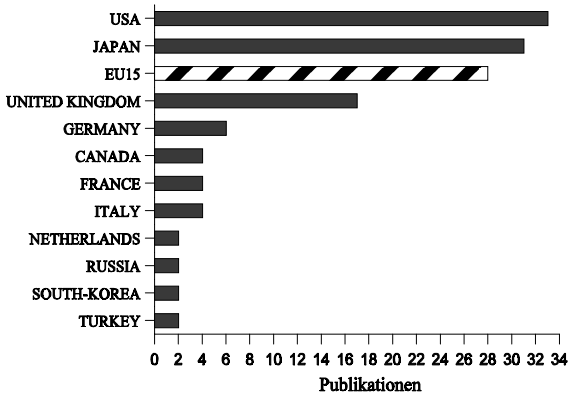
Akteure (Forschungsfront)

Institutionen

10 JUNTENDO-UNIV, JAPAN
6 MRC, UNITED KINGDOM
5 HIROSHIMA-UNIV, JAPAN
5 NIIGATA-UNIV, JAPAN
5 UNIV-CALIF-SAN-DIEGO, USA
4 SHOWA-UNIV, JAPAN
4 TAISHO-PHARMACEUT-CO-LTD, JAPAN
4 UNIV-ILLINOIS, USA
4 UNIV-PENN, USA
4 UNIV-TOKYO, JAPAN

(und weitere 92 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

31 Lavedan-C
The Synuclein Family

28 Trojanowski-JQ Goedert-M Iwatsubo-T Lee-VMY
Fatal Attractions - Abnormal Protein Aggregation and Neuron Death in Parkinsons-Disease and Lewy Body Dementia

27 Clayton-DF George-JM
The Synucleins - A Family of Proteins Involved in Synaptic Function, Plasticity, Neurodegeneration and Disease

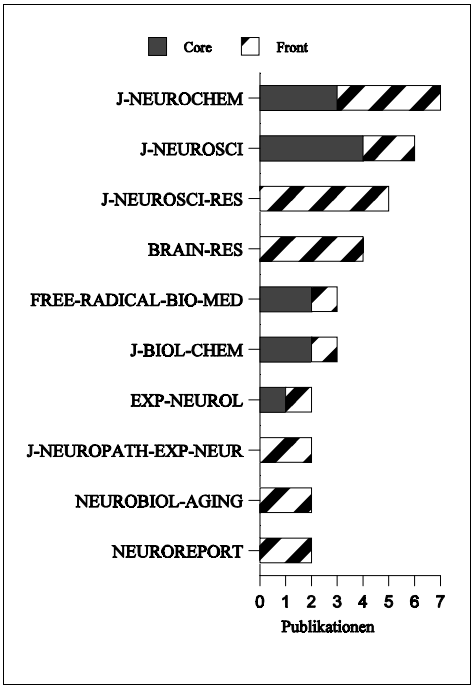
22 Tu-PH Galvin-JE Baba-M Giasson-B Tomita-T Leight-S Nakajo-S Iwatsubo-T Trojanowski-JQ Lee-VMY
Glial Cytoplasmic Inclusions in White-Matter Oligodendrocytes of Multiple System Atrophy Brains Contain Insoluble Alpha-Synuclein

HDS 91: Lipid-Peroxidation

16 Kernpublikationen / 44 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



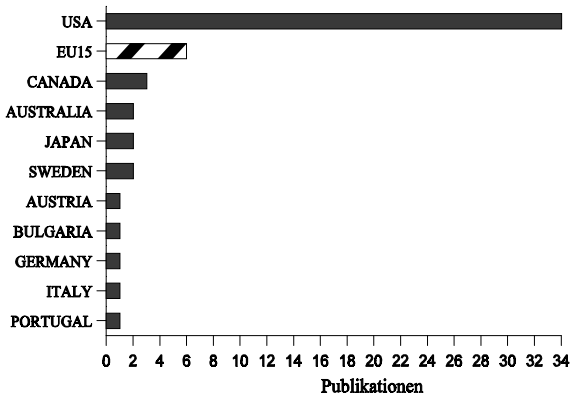
Akteure (Forschungsfront)

Institutionen

26 UNIV-KENTUCKY, USA
2 UNIV-MISSISSIPPI, USA

(und weitere 34 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

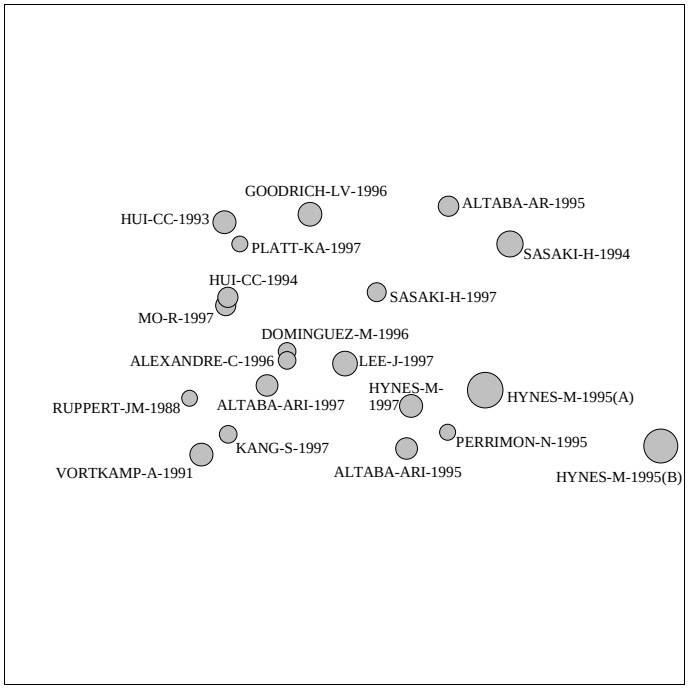
10 Blanc-EM Keller-JN Fernandez-S Mattson-MP
4-Hydroxynonenal, a Lipid-Peroxidation Product, Impairs Glutamate Transport in Cortical Astrocytes

10 Keller-JN Mattson-MP
Roles of Lipid-Peroxidation in Modulation of Cellular Signaling Pathways, Cell Dysfunction, and Death in the Nervous-System

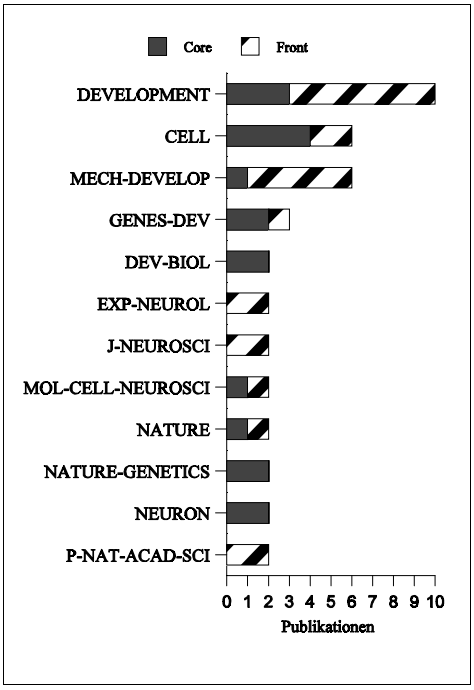
HDS 92: Sonic Hedgehog Signaling

20 Kernpublikationen / 36 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



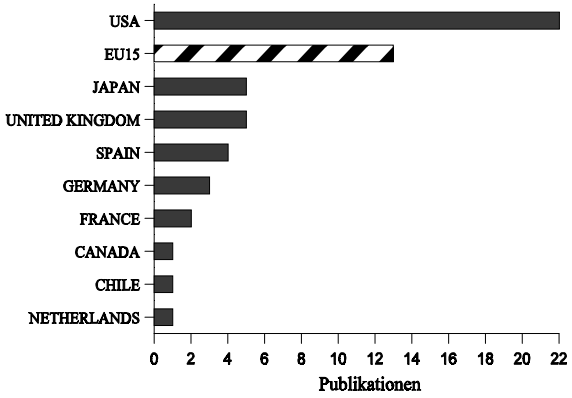
Akteure (Forschungsfront)

Institutionen

4 UNIV-CALIF-SAN-FRANCISCO, USA
3 NYU, USA
2 COLUMBIA-UNIV, USA
2 CSIC, SPAIN
2 HARVARD-UNIV, USA
2 NATL-HUMAN-GENOME-RES-INST, USA
2 NINCDS, USA
2 UNIV-MURCIA, SPAIN
2 UNIV-PENN, USA

(und weitere 47 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

19 Ding-Q Motoyama-J Gasca-S Mo-R Sasaki-H Rossant-J Hui-CC
Diminished Sonic Hedgehog Signaling and Lack of Floor Plate Differentiation in Gli2 Mutant Mice

12 Altaba-ARI
Combinatorial gli Gene-Function in Floor Plate and Neuronal Inductions by Sonic Hedgehog

12 Matise-MP Epstein-DJ Park-HL Platt-KA Joyner-AL
Gli2 Is Required for Induction of Floor Plate and Adjacent Cells, But Not Most Ventral Neurons in the Mouse Central-Nervous-System

11 Ericson-J Briscoe-J Rashbass-P Vanheyningen-V Jessell-TM
Graded Sonic Hedgehog Signaling and the Specification of Cell Fate in the Ventral Neural-Tube

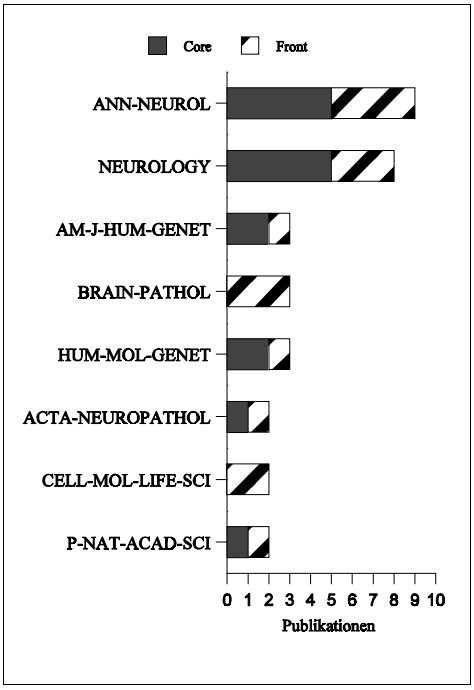
11 Franciswest-P Ladher-R Barlow-A Graveson-A
Signaling Interactions During Facial Development

HDS 93: Frontotemporal Dementia

16 Kernpublikationen / 31 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



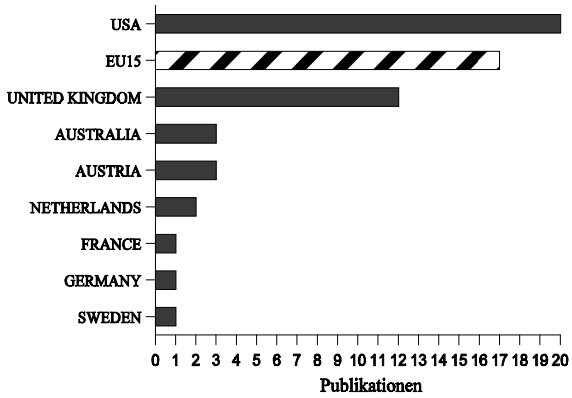
Akteure (Forschungsfront)

Institutionen

4 MAYO-CLIN-JACKSONVILLE, USA
4 UNIV-CAMBRIDGE, UNITED KINGDOM
3 EUNICE-KENNEDY-SHRIVER-CTR-MENTAL-RETARDAT-INC, USA
3 INDIANA-UNIV, USA
3 MRC, UNITED KINGDOM

(und weitere 18 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

15 Mann-DMA
Dementia of Frontal Type and Dementias with Subcortical Gliosis

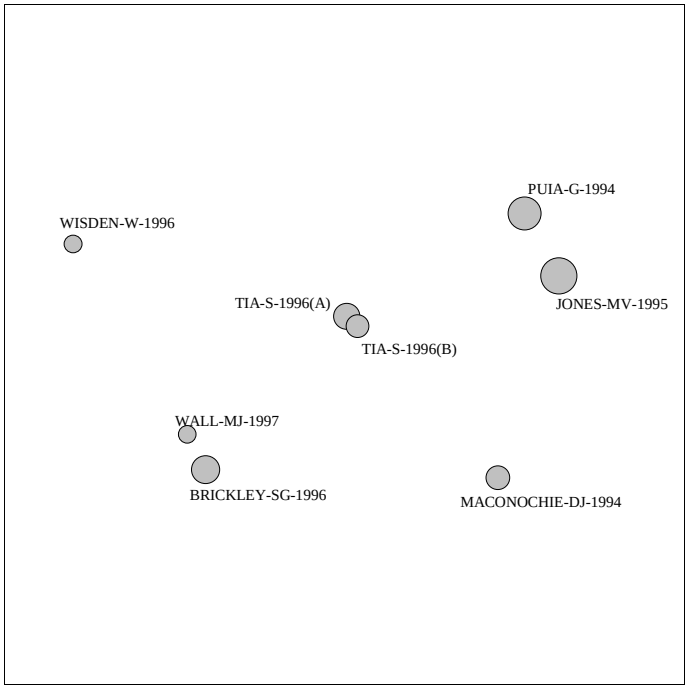
15 Spillantini-MG Bird-TD Ghetti-B
Frontotemporal Dementia and Parkinsonism Linked to Chromosome-17 - A New Group of Tauopathies

12 Lendon-CL Lynch-T Norton-J Mckeel-DW Busfield-F Craddock-N Chakraverty-S Gopalakrishnan-G Shears-SD Grimmett-W Wilhelmsen-KC Hansen-L Morris-JC Goate-AM
Hereditary Dysphasic Disinhibition Dementia - A Frontotemporal Dementia Linked to 17Q21-22

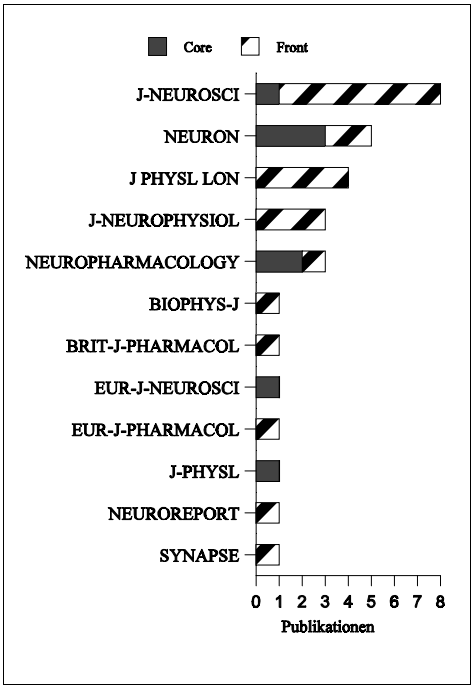
HDS 94: GABA(A) Receptors

8 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil



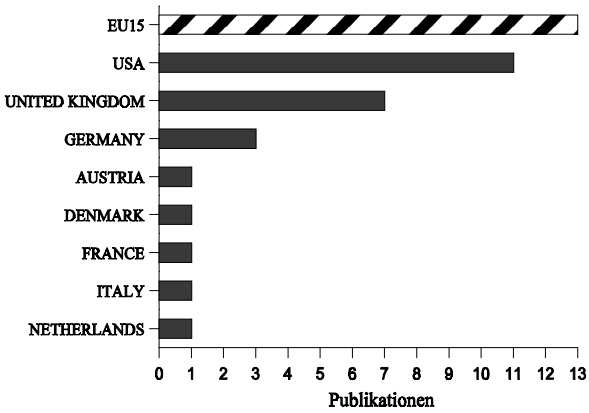
Akteure (Forschungsfront)

Institutionen

2 MRC, UNITED KINGDOM
2 STANFORD-UNIV, USA
2 WASHINGTON-UNIV, USA

(und weitere 26 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Rossi-DJ Hamann-M
Spillover-Mediated Transmission at Inhibitory Synapses Promoted by High-Affinity Alpha(6) Subunit GABA(A) Receptors and Glomerular Geometry

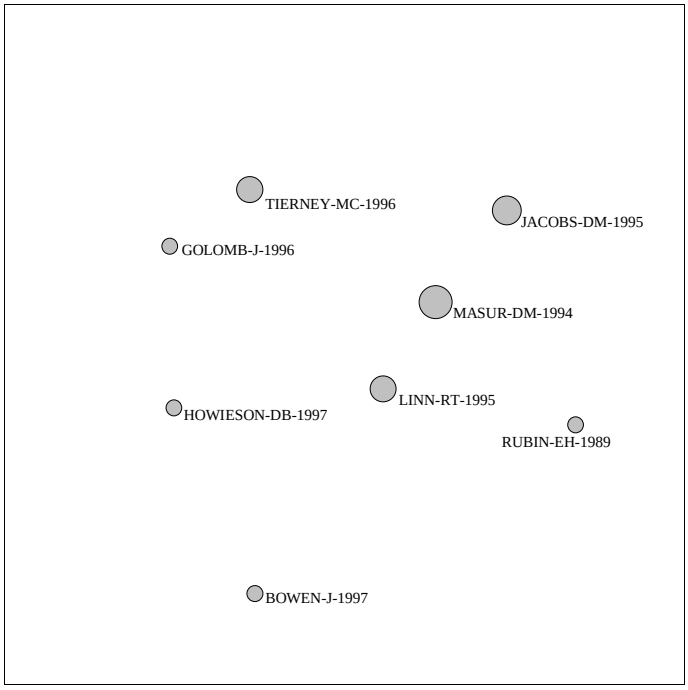
7 Nusser-Z Sieghart-W Somogyi-P
Segregation of Different GABA(A) Receptors to Synaptic and Extrasynaptic Membranes of Cerebellar Granule Cells

6 Zhu-WJ Wang-JF Corsi-L Vicini-S
Lanthanum-Mediated Modification of GABA(A), Receptor Deactivation, Desensitization and Inhibitory Synaptic Currents in Rat Cerebellar Neurons

HDS 95: Early Diagnosis of Alzheimers-Disease

8 Kernpublikationen / 22 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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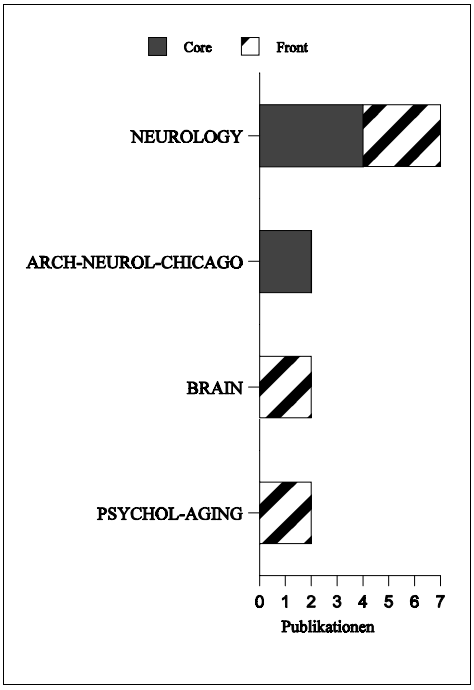


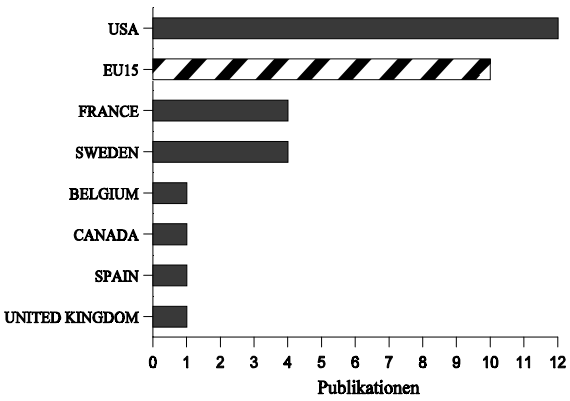
Akteure (Forschungsfront)

Institutionen

4 KAROLINSKA-INST, SWEDEN
3 GOTHENBURG-UNIV, SWEDEN
3 STOCKHOLM-GERONTOL-RES-CTR, SWEDEN
2 UNIV-CALIF-DAVIS, USA
2 UNIV-PARIS-05, FRANCE

(und weitere 36 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Fox-NC Warrington-EK Seiffer-AL Agnew-SK Rossor-MN
Presymptomatic Cognitive Deficits in Individuals at Risk of Familial Alzheimers-Disease - A Longitudinal Prospective-Study

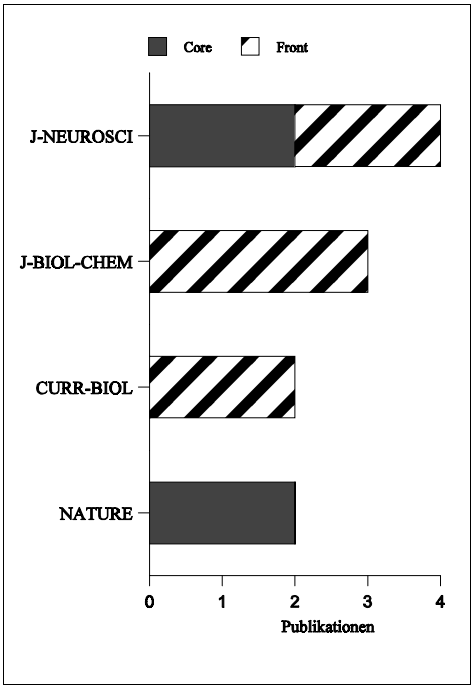
5 Backman-L Small-BJ
Influences of Cognitive Support on Episodic Remembering - Tracing the Process of Loss from Normal Aging to Alzheimers-Disease

HDS 96: Tissue-Plasminogen Activator

8 Kernpublikationen / 20 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



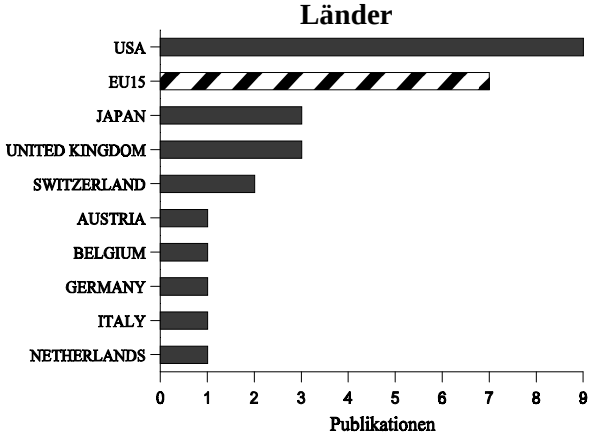
Akteure (Forschungsfront)

Institutionen

4 SUNY-STONY-BROOK, USA
2 KYOTO-PHARMACEUT-UNIV, JAPAN
2 UNIV-ZURICH, SWITZERLAND

(und weitere 21 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

7 Chen-ZL Strickland-S
Neuronal Death in the Hippocampus Is Promoted by Plasmin-Catalyzed Degradation of Laminin

7 Hastings-GA Coleman-TA Haudenschild-CC Stefansson-S Smith-EP Barthlow-R Cherry-S Sandkvist-M Lawrence-DA
Neuroserpin, a Brain-Associated Inhibitor of Tissue-Plasminogen Activator Is Localized Primarily in Neurons - Implications for the Regulation of Motor Learning and Neuronal Survival

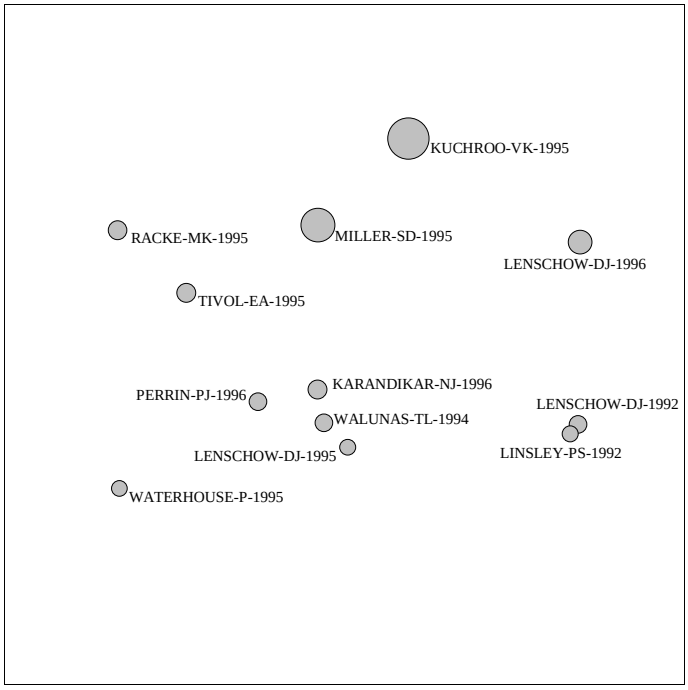
7 Mecenas-PE Tsirka-SE Salles-F Strickland-S
Removal of Tissue-Plasminogen Activator Does Not Protect Against Neuronal Degeneration in the Cerebellum of the Weaver Mouse

6 Scarisbrick-IA Towner-MD Isackson-PJ
Nervous System-Specific Expression of a Novel Serine-Protease - Regulation in the Adult-Rat Spinal-Cord by Excitotoxic Injury

HDS 97: B7/Cd28-Ctla-4 Costimulatory System

12 Kernpublikationen / 19 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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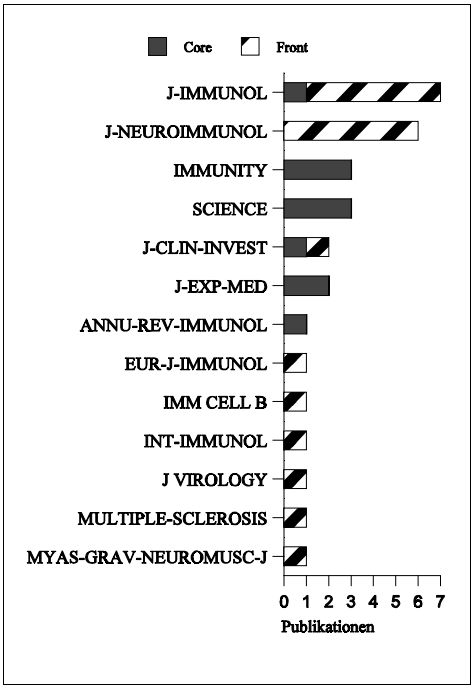


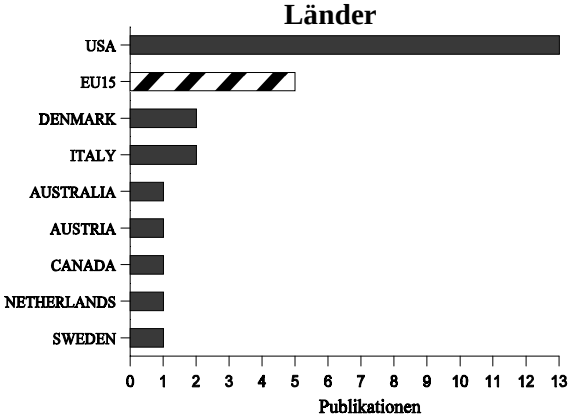
Akteure (Forschungsfront)

Institutionen

4 NORTHWESTERN-UNIV, USA
3 HARVARD-UNIV, USA
3 UNIV-CHICAGO, USA
2 BRISTOL-MYERS-SQUIBB-PHARMACEUT-RES-INST, USA
2 UNIV-COPENHAGEN, DENMARK
2 UNIV-PENN, USA

(und weitere 27 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

11 Karandikar-NJ Vanderlugt-CL Bluestone-JA Miller-SD
Targeting the B7/Cd28-Ctla-4 Costimulatory System in CNS Autoimmune-Disease

9 Gallon-L Chandraker-A Issazadeh-S Peach-R Linsley-PS Turka-LA Sayegh-MH Khoury-SJ
Differential-Effects of B7-1 Blockade in the Rat Experimental Autoimmune Encephalomyelitis Model

9 Issazadeh-S Navikas-V Schaub-M Sayegh-M Khoury-S
Kinetics of Expression of Costimulatory Molecules and Their Ligands in Murine Relapsing Experimental Autoimmune Encephalomyelitis in-Vivo

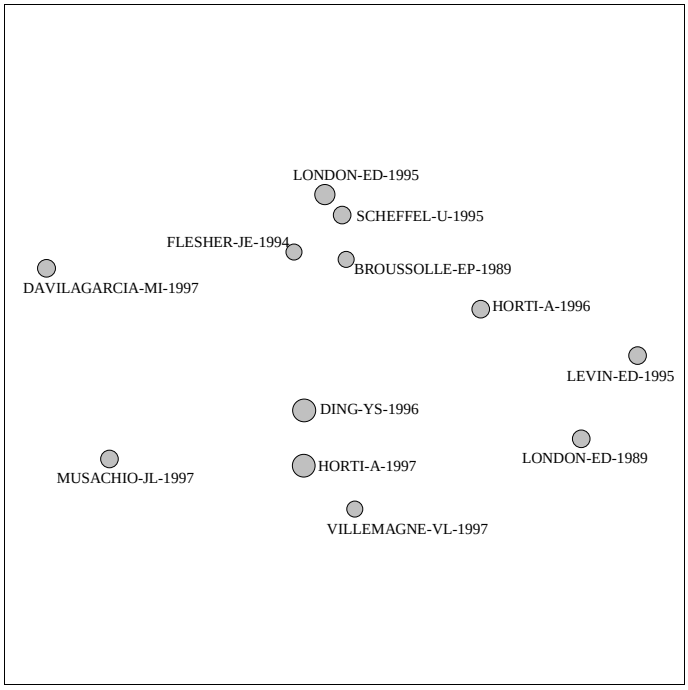
8 Karandikar-NJ Vanderlugt-CL Eagar-T Tan-L Bluestone-JA Miller-SD
Tissue-Specific Up-Regulation of B7-1 Expression and Function During the Course of Murine Relapsing Experimental Autoimmune Encephalomyelitis

8 Vanderlugt-CL Karandikar-NJ Lenschow-DJ Dalcanto-MC Bluestone-JA Miller-SD
Treatment with Intact Anti-B7-1 MAb During Disease Remission Enhances Epitope Spreading and Exacerbates Relapses in R-Eae

HDS 98: Nicotinic Acetylcholine-Receptors

12 Kernpublikationen / 14 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



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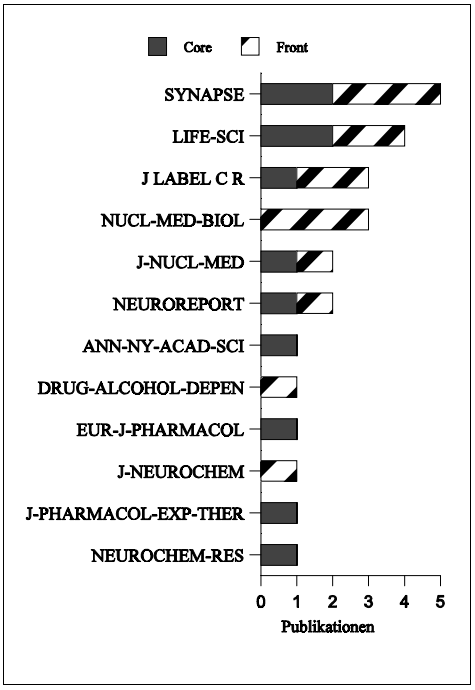


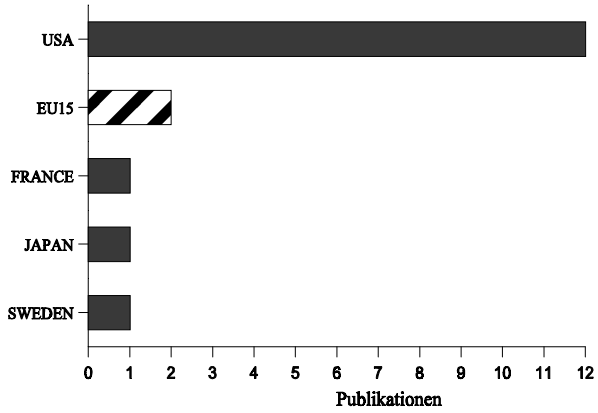
Akteure (Forschungsfront)

Institutionen

7 JOHNS-HOPKINS-MED-INST, USA
5 NIDA, USA
3 BROOKHAVEN-NATL-LAB, USA
2 RES-TRIANGLE-INST, USA

(und weitere 12 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

10 Horti-AG Scheffel-U Koren-AO Ravert-HT Mathews-WB Musachio-JL Finley-PA London-ED Dannals-RF
2-(F-18)Fluoro-A-85380, an in-Vivo Tracer for the Nicotinic Acetylcholine-Receptors

8 Gatley-SJ Ding-YS Brady-D Gifford-AN Dewey-SL Carroll-FI Fowler-JS Volkow-ND
In-Vitro and Ex-Vivo Autoradiographic Studies of Nicotinic Acetylcholine-Receptors Using (F-18) Fluoronorchloroepibatidine in Rodent and Human Brain

8 Vaupel-DB Mukhin-AG Kimes-AS Horti-AG Koren-AO London-ED
In-Vivo Studies with (I-125) 5-I-A-85380, a Nicotinic Acetylcholine-Receptor Radioligand

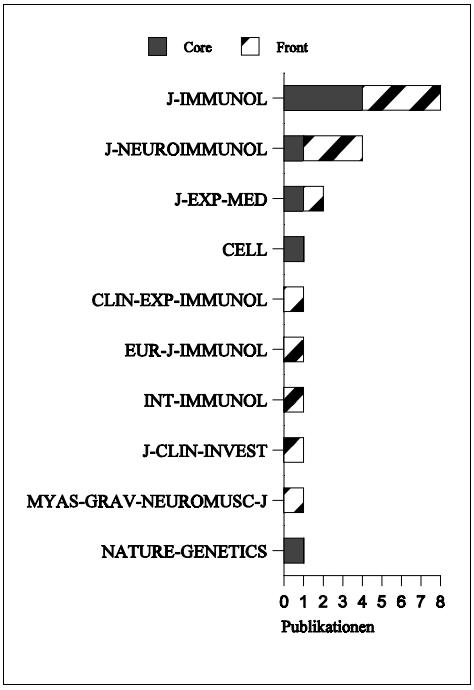
6 Horti-AG Koren-AO Ravert-HT Musachio-JL Mathews-WB London-ED Dannals-RF
Synthesis of a Radiotracer for Studying Nicotinic Acetylcholine-Receptors - 2-(F-18)Fluoro-3-(2(S)-Azetidinylmethoxy)Pyridine (2-(F-18)A-85380)

HDS 99: Experimental Allergic Encephalomyelitis

8 Kernpublikationen / 13 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen

Zeitschriftenprofil



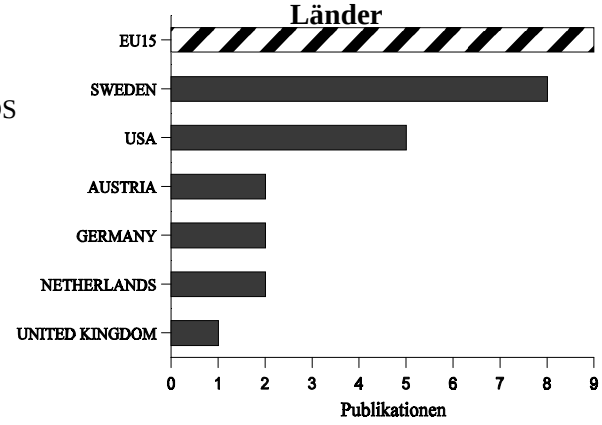
Akteure (Forschungsfront)

Institutionen

5 KAROLINSKA-HOSP, SWEDEN
3 KAROLINSKA-INST, SWEDEN
2 BIOMED-PRIMATE-RES-CTR, NETHERLANDS
2 BRIGHAM-YOUNG-UNIV, USA
2 HUDDINGE-UNIV-HOSP, SWEDEN
2 SCRIPPS-CLIN-&-RES-INST, USA
2 UNIV-ILLINOIS, USA
2 UNIV-VIENNA, AUSTRIA

(und weitere 10 Institutionen)

Länder



Höchst zitierende Publikationen (Forschungsfront)
sortiert nach Anzahl der Zitationen

6 Kjellen-P Issazadeh-S Olsson-T Holmdahl-R
Genetic Influence on Disease Course and Cytokine Response in Relapsing Experimental Allergic Encephalomyelitis

5 Butterfield-RJ Sudweeks-JD Blankenhorn-EP Korngold-R Marini-JC Todd-JA Roper-RJ Teuscher-C
New Genetic-Loci That Control Susceptibility and Symptoms of Experimental Allergic Encephalomyelitis in Inbred Mice

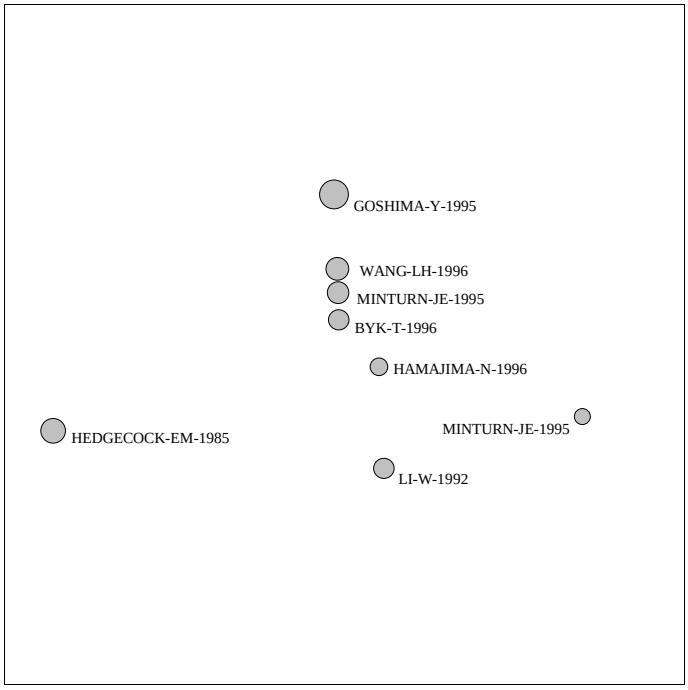
5 Teuscher-C Rhein-DM Livingstone-KD Paynter-RA Doerge-RW Nicholson-SM Melvold-RW
Evidence That Tmevd2 and Eae3 May Represent Either a Common Locus or Members of a Gene-Complex Controlling Susceptibility to Immunologically Mediated Demyelination in Mice

5 Weissert-R Wallstrom-E Storch-MK Stefferl-A Lorentzen-J Lassmann-H Linington-C Olsson-T
MHC Haplotype-Dependent Regulation of MOG-Induced Eae in Rats

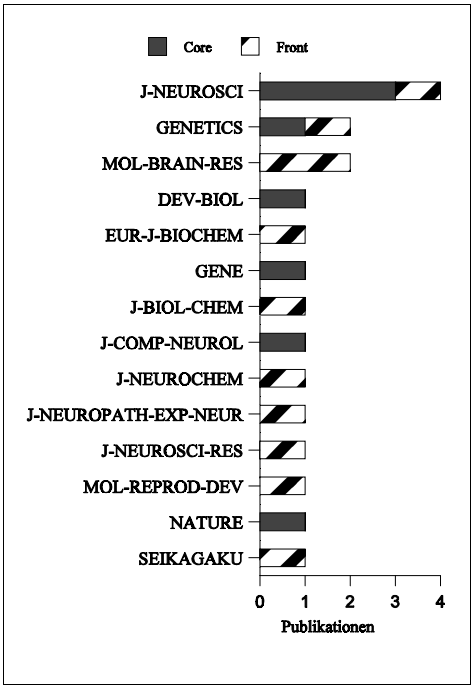
HDS 100: Collapsin Response Mediator Protein (Crmp)

8 Kernpublikationen / 11 Frontpublikationen

Ko-Zitationskarte der Kernpublikationen



Zeitschriftenprofil

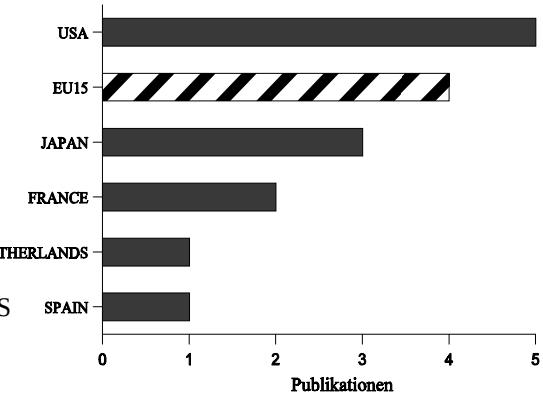


Akteure (Forschungsfront)

Institutionen

2 NCI, USA
2 UNIV-TOKYO, JAPAN
2 UNIV-TSUKUBA, JAPAN
2 YALE-UNIV, USA
1 CSIC, SPAIN
1 HOP-BELLEVUE, FRANCE
1 HOP-NEUROL, FRANCE
1 INSERM-U440, FRANCE
1 NAGASAKI-UNIV, JAPAN
1 NAGOYA-CITY-UNIV, JAPAN
1 NETHERLANDS-INST-BRAIN-RES, NETHERLANDS
1 NHLBI, USA
1 UNIV-MINNESOTA, USA
1 UNIV-PARIS-06, FRANCE

Länder



Höchst zitierende Publikationen (Forschungsfront)

sortiert nach Anzahl der Zitationen

8 Kamata-T Subleski-M Hara-Y Yuhki-N Kung-HF Copeland-NG Jenkins-NA Yoshimura-T Modi-W Copeland-TD
Isolation and Characterization of a Bovine Neural-Specific Protein (Crmp-2) cDNA Homologous to Unc-33, a C-Elegans Gene Implicated in Axonal Outgrowth and Guidance

7 Byk-T Ozon-S Sobel-A
The Ulip Family Phosphoproteins - Common and Specific Properties

7 Kamata-T Daar-IO Subleski-M Copeland-T Kung-HF Xu-RH
Xenopus Crmp-2 Is an Early Response Gene to Neural Induction

7 Kato-Y Hamajima-N Inagaki-H Okamura-N Koji-T Sasaki-M Nonaka-M
Postmeiotic Expression of the Mouse Dihydropyrimidinase-Related Protein-3 (Drp-3) Gene During Spermiogenesis

4. Schlussbetrachtung

Ziel der vorliegenden Untersuchung war die Identifikation und Dokumentation derjenigen Spezialgebiete aus der Klimaforschung und den Neurowissenschaften, in denen derzeit die höchste Entwicklungsdynamik zu verzeichnen ist. Es handelt sich um Detailanalysen relativ kleiner, spezieller Ausschnitte aus der grossen Bandbreite der Forschung in diesen Bereichen. Eine Analyse der schweizerischen Klimaforschung bzw. Neuroforschung insgesamt ist damit *nicht* beabsichtigt; dazu wäre die gewählte Methode nicht geeignet und der Beobachtungszeitraum zu kurz.

Mit Hilfe einer Ko-Zitationsanalyse wurden für die Klimaforschung 42 hochdynamische Forschungsfronten ermittelt und dargestellt. Für jede dieser Fronten wurde eine Detaildokumentation erstellt, aus der u.a. die hochzitierten Publikationen und ihre Kozitationsbezüge zueinander, die relevanten Zeitschriften, die nationalen und institutionellen Akteure sowie die wichtigsten Publikationen der Forschungsfront zu entnehmen sind. Die Schweiz ist in erheblichem Umfang an diesen hochdynamischen Fronten der Klimaforschung aktiv; sowohl die ETH Zürich als auch die Universität Bern sind jeweils an einer ganzen Reihe dieser Fronten vertreten.

Im Bereich der Neurowissenschaften wurden 100 Forschungsfronten mit hoher Entwicklungsdynamik identifiziert. An 42 dieser Fronten sind Forschende aus schweizerischen Institutionen mit eigenen Publikationen aktiv. Damit ist die Schweiz in diesen hochdynamischen Bereichen der Neurowissenschaften gut vertreten. Die Universitäten Genf und Zürich, aber auch andere Hochschulen und die Basler pharmazeutischen Firmen sind an einer ganzen Reihe von Fronten mit ihren Publikationen sichtbar.

Mit dem Instrumentarium der Ko-Zitationsanalyse kann eine Art Sonde in das Wissenschaftssystem eingebracht werden, die sehr detaillierte „Bilder“ von bestimmten Punkten der jeweiligen Forschungsfront liefert. Eine unmittelbare Ableitung forschungspolitischer Konsequenzen aus solchen Bildern ist allerdings nicht möglich. Ihre Validierung und Interpretation bedarf immer auch des Sachverstandes von Experten des betroffenen Gebiets; die in diesem Bericht vorgelegten Detaildokumentationen der hochdynamischen Spezialgebiete bieten einen guten Ansatzpunkt dafür.

Autorenindex - Klimaforschung

Fettgeduckte Zahlen verweisen auf den Kern, normalgedruckte auf die Front der entsprechenden HDS.
(Bei den Kernen wurden aus technischen Gründen nur die Erstautoren ausgewertet.)

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