

Empower your users and strengthen your institute for the Future

*Scopus – the one solution to enable your community to
achieve better results, faster*

Date: 2010

refine your research
SCOPUS™

An abstract graphic of blue ink splashing and swirling across the bottom half of the slide. The ink forms various shapes, including what looks like a stylized figure or a complex network of lines, set against a light yellow background.

How do you cope with the explosion of information?



Trends in the information age

- Less time to do more research
- Researchers spend **10.7 hours per week in 2009** finding information compared to **5.5 hours in 2006**
- **36%** of online searches fail to find relevant information
- **89%** college students use Google to search literature **only 2%** start from a library web site

Science is getting more competitive, more inter-national and more inter-disciplinary

- **84%** of researchers report an increase in pressure to deliver more quickly than a year ago

What about the quality of information?

“Many young people do not find library-sponsored resources intuitive and therefore prefer to use Google or Yahoo instead: these offer a familiar, if simplistic solution, for their study needs.”

– *Study of the British Library and JISC*

What can Scopus do for you? – Broadest coverage!

A rich and extended coverage including	Abstracts and citations from 5000 publishers 3,6 Million conference papers (10% of Scopus records) “Articles in Press” from more than 3000 titles 23 Million Patents	<ul style="list-style-type: none">• 1,200 Open Access journals• 80% of all Scopus records have an abstract• Abstracts going back to 1823• Nearly 3,500 Arts & Humanities titles• 380 m integrated scientific websites via Scirus.com
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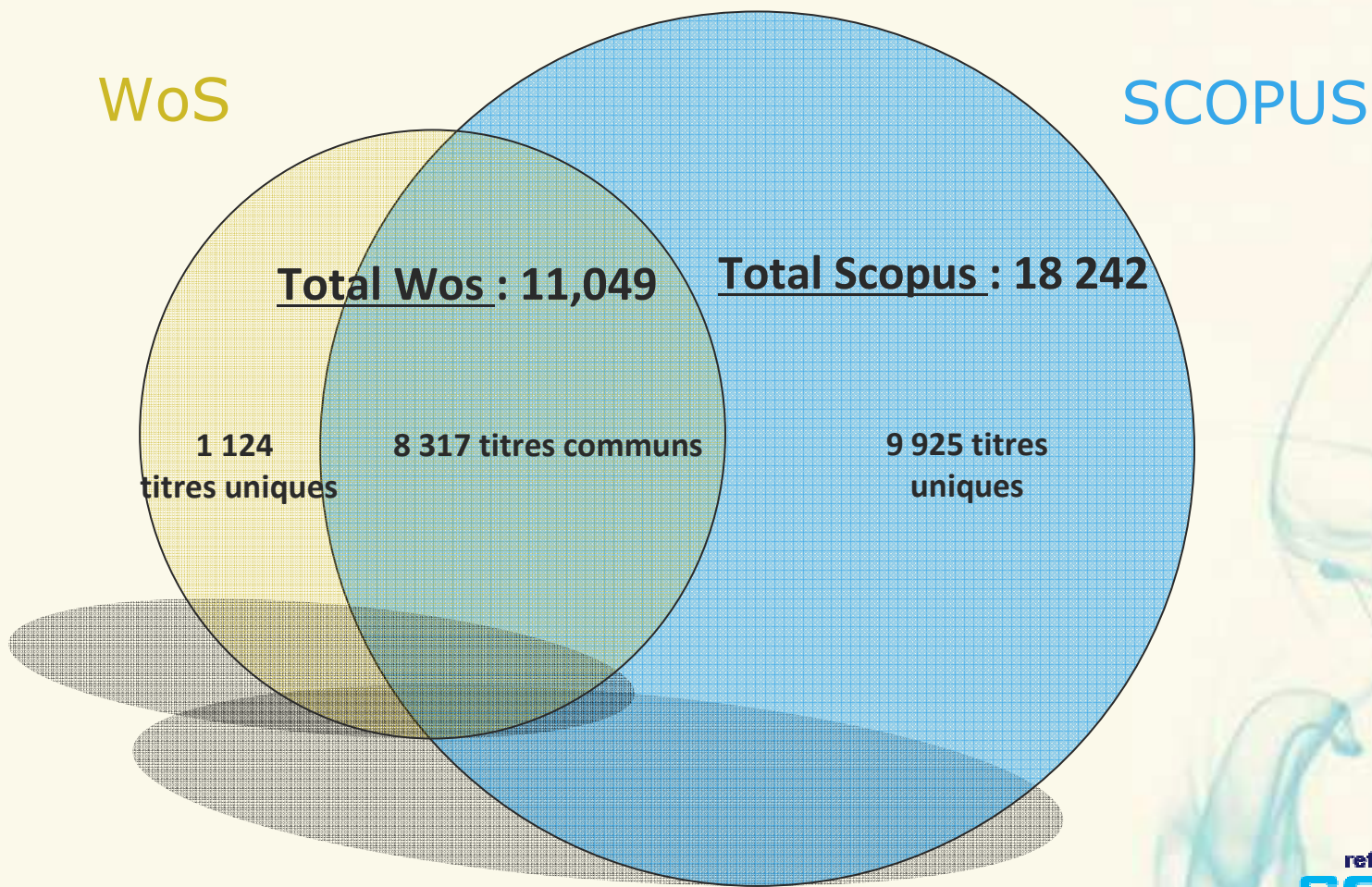
Nearly 18,000 Titles including

- 16,500 Peer Reviewed Titles
- 600 Trade Journals
- 350 Book Series
- Extensive Conference Proceedings
- 40 languages are covered

“It is broader in scope but also richer in different kinds of content. It is much easier to use and therefore has more immediate impact.”

– **Chief librarian**, The Food and Agricultural Organization of the United Nations

SCOPUS & WOS coverage comparison



Source: http://www.jisc-adat.com/adat/adat_plat.pl

Content Selection and Advisory Board suggests and selects quality content that is vital to Scopus users



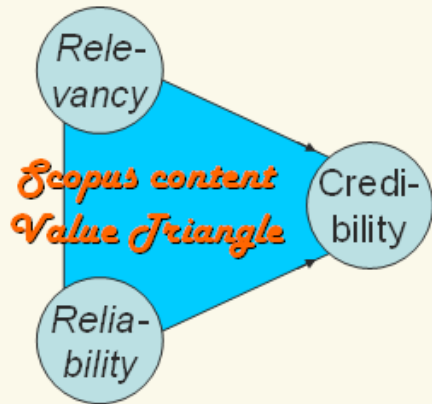
Content Selection and Advisory Board: 20 scientists and 10 subject librarians from all scientific disciplines and geographic areas

2008 selection round: 65% of suggested titles were rejected due to rigorous quality check

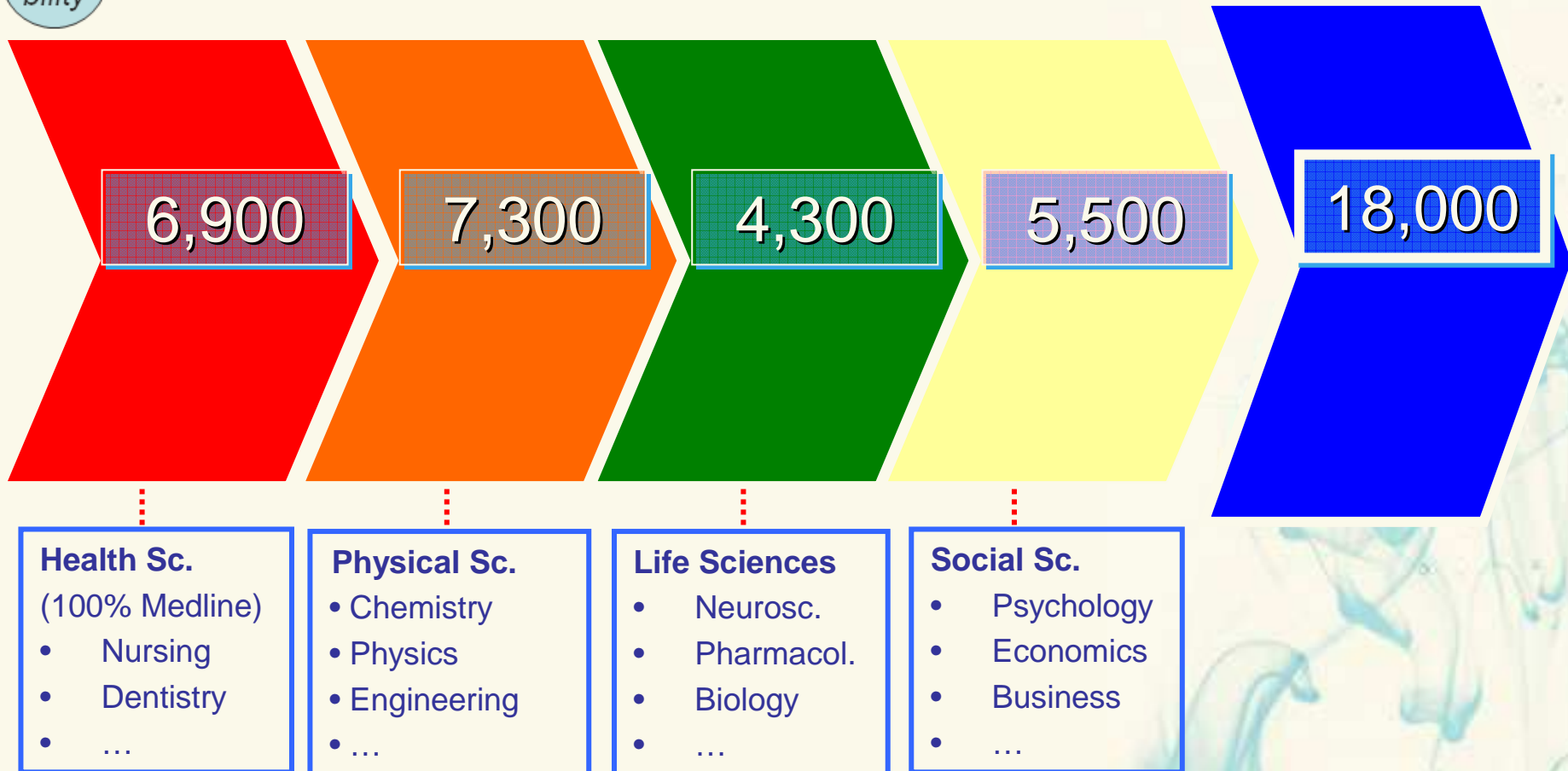
“I like the fact Scopus cooperates with universities like mine”

– Academic support manager

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Breadth of coverage Across subject areas (1 Oct 2009)



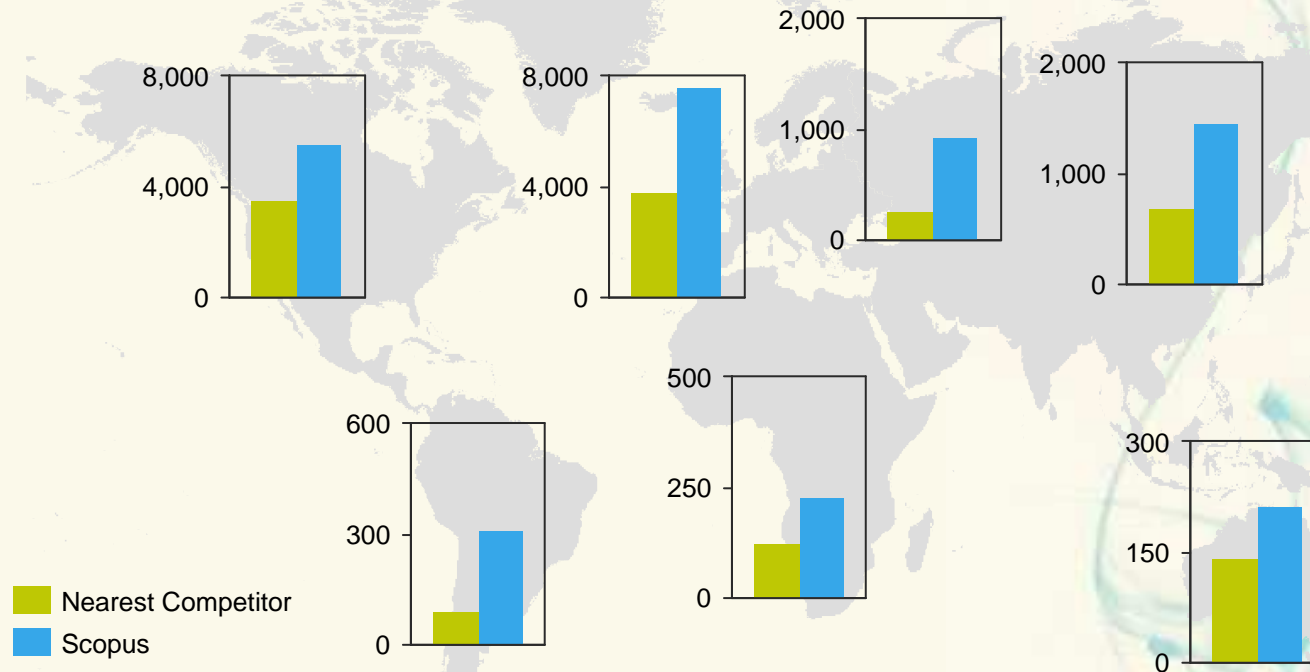
De Moya (Scientometrics 2007): "The coverage provided by Scopus is balanced in terms of subject areas"

Identify emerging trends: Scopus provides up to date coverage on research anywhere in the world

9,300 Titles in Database of Nearest Competitor and 16,300 Titles in Scopus

Less than 10% of our nearest competitor's journals come from outside North America and Western Europe

Scopus has more than 20% of its journals from outside this region

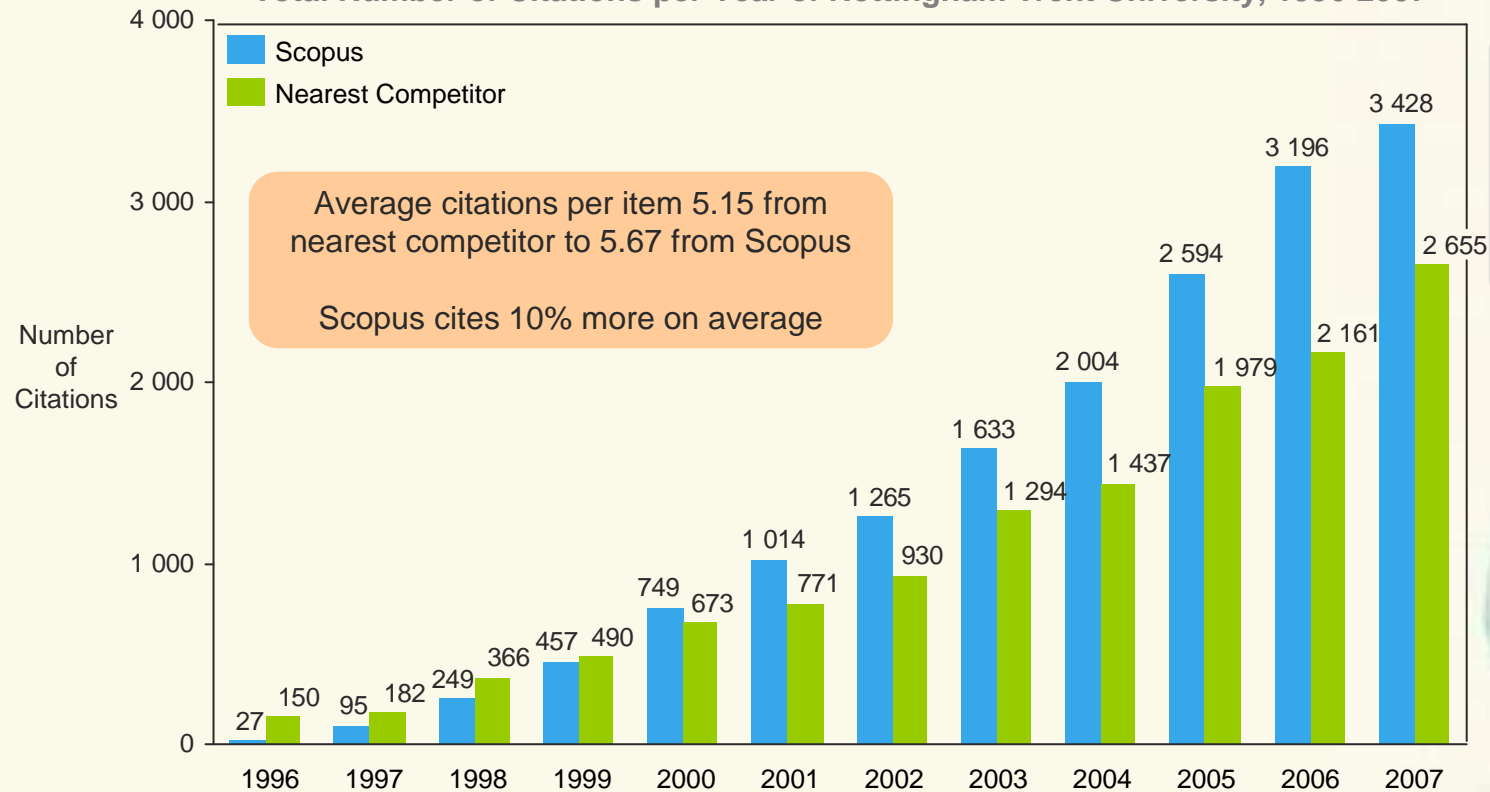


“In terms of content first and foremost, (. . .), there is little about Scopus that does not represent the very best that the industry has to offer.”

– Golderman / Connolly (Library Journal 2007)

Scopus cites more than the competitions

Total Number of Citations per Year of Nottingham Trent University, 1996-2007



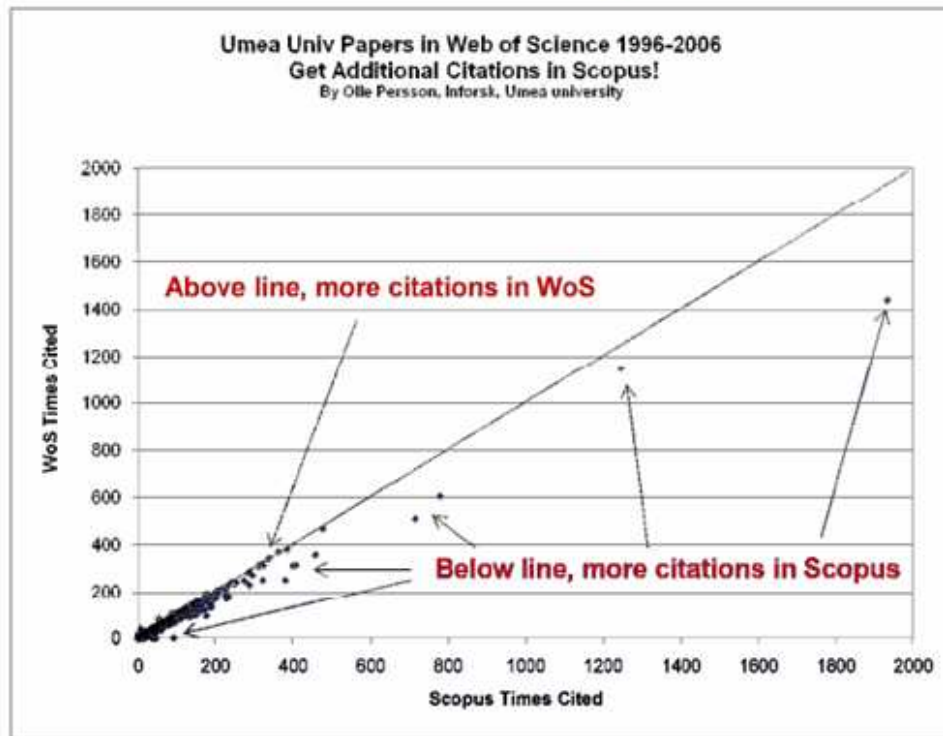
Average citations per item 5.15 from nearest competitor to 5.67 from Scopus
Scopus cites 10% more on average

- ✓ **Broadest content**
- ✓ **Regional content**

“Scopus finds 9% more citations than Web of Science when limited to articles from 1996 and Scopus finds 20% more citations than Google Scholar when limited to articles from 1996”
– Lars Iselid, Umea University, Sweden

Accurate Productivity Measurement – Counting Citing Documents

Correlation WoS and Scopus citations



Graph by Olle Persson, Inforsk, Umeå Univ. based on data from Thomson, Inc. and Elsevier Scopus

“Scopus finds 9% more citations than Web of Science when limited to articles from 1996 and Scopus finds 20% more citations than Google Scholar when limited to articles from 1996”

– Lars Iselid, Umea University, Sweden

✓ Contenu plus large

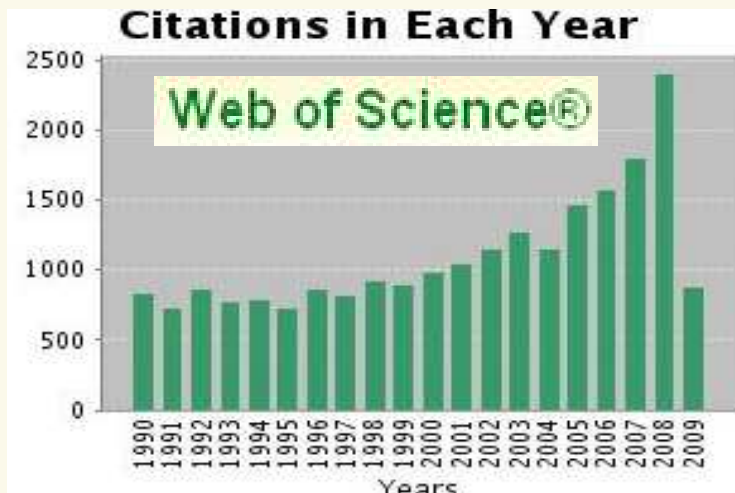
✓ Contenu régional

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Scopus journal evaluation ...

Question 2:

Which criteria should drive the selection of journals?



- Peer-review
- English abstracts
- Regular publication

Category	Criteria	SCOPUS 2009	Weight of
Journal policy	Range of geographic abstracts covered	1 (All geographic abstracts covered) 2 (Most geographic abstracts covered) 3 (Some) 4 (None)	30.00%
	Indexing abstracts	1 (All abstracts indexed) 2 (Most abstracts indexed) 3 (Some abstracts indexed) 4 (None)	10.00%
	Electronic abstract coverage	1 (All abstracts covered) 2 (Most abstracts covered) 3 (Some abstracts covered) 4 (None)	30.00%
	Open access	1 (All open access) 2 (Most open access) 3 (Some open access) 4 (None)	30.00%
	Scoring		100.00%
Presentation of content	Balance of content	1 (All balanced) 2 (Most balanced) 3 (Some balanced) 4 (None)	30.00%
	Quality of abstracts	1 (All high quality) 2 (Most high quality) 3 (Some high quality) 4 (None)	30.00%
	Abstracts will be reviewed	1 (All reviewed) 2 (Most reviewed) 3 (Some reviewed) 4 (None)	30.00%
	Quality of references	1 (All high quality) 2 (Most high quality) 3 (Some high quality) 4 (None)	30.00%
	Scoring		100.00%
Citedness	Citedness of content	1 (All high citedness) 2 (Most high citedness) 3 (Some high citedness) 4 (None)	30.00%
	Citedness of references	1 (All high citedness) 2 (Most high citedness) 3 (Some high citedness) 4 (None)	30.00%
Scoring		100.00%	35%
Timeliness	Timeliness of publication	1 (All timely) 2 (Most timely) 3 (Some timely) 4 (None)	30.00%
Scoring		100.00%	10%
Accessibility	Content available online	1 (All content available online) 2 (Most content available online) 3 (Some content available online) 4 (None)	40.00%
	Range of geographic abstracts covered	1 (All geographic abstracts covered) 2 (Most geographic abstracts covered) 3 (Some geographic abstracts covered) 4 (None)	40.00%
	Quality of language	1 (All high quality) 2 (Most high quality) 3 (Some high quality) 4 (None)	30.00%
Scoring		100.00%	10%
Total			100%

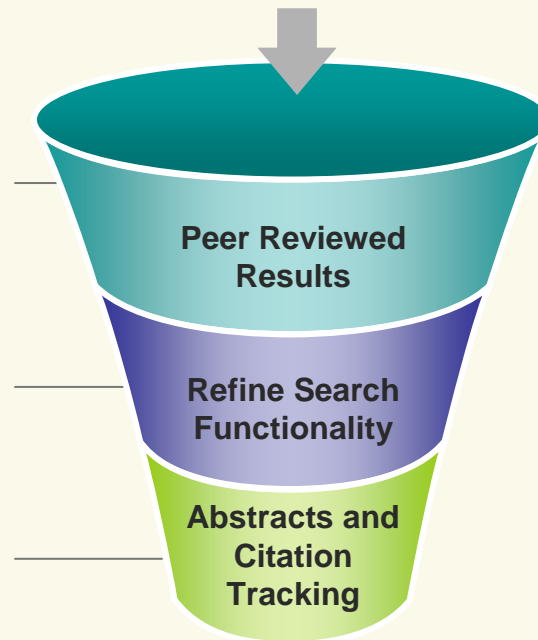
Scopus is an efficient starting point for every search

You directly benefit from searching on Scopus as it **only includes quality materials**

Then it allows you to **refine your search results**, saving you time

Finally you can **assess the relevancy** of the documents before you purchase them

Basic search or
AdvancedSearch



✓ **Search only quality materials**

✓ **Efficient and effective**

✓ **Be selective about what you purchase**

Full Text Articles
or Subject Specific
Databases

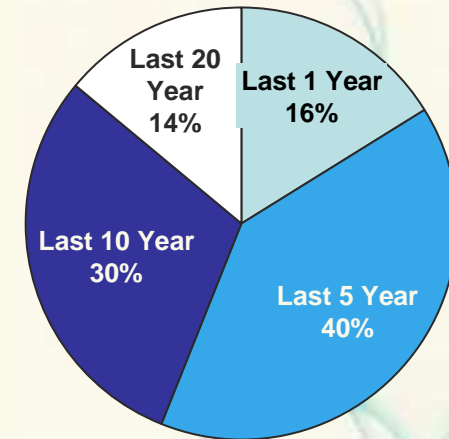
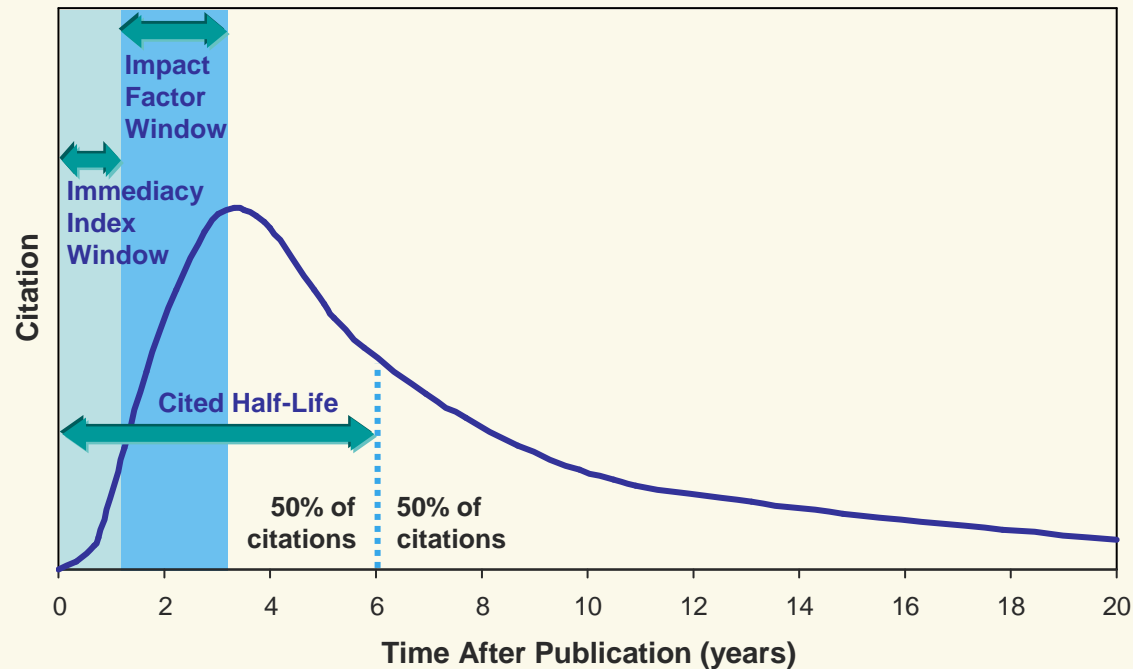
“Considering this was my first use of Scopus it was extremely easy to use... I was able to easily access the full text articles.”

- Scopus end-user, global defense technology and security industry

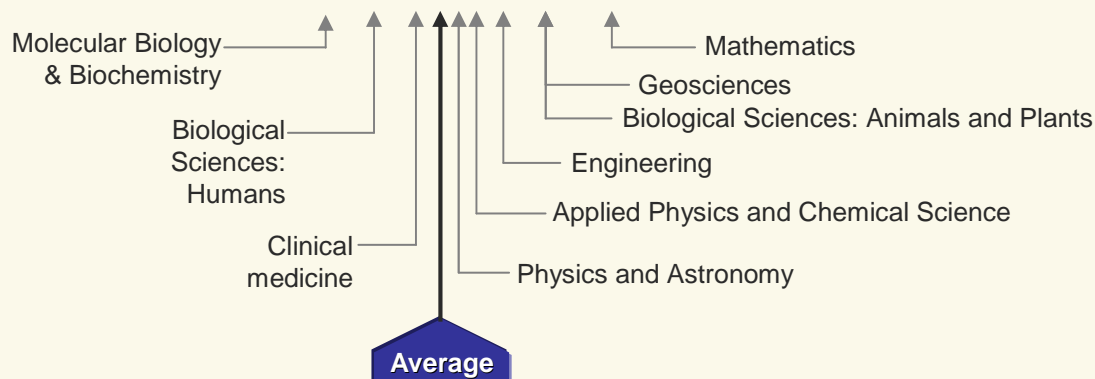
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Scopus citation history satisfies most searches

Generalized Citation Curve



- ✓ 86% of WoS users only search within the last 10 years of cited references
- ✓ Scopus deep abstract coverage enables effective complementary search capability



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Scopus Search Page

Scopus - Basic Search - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail Bluetooth

Address: http://www.scopus.com/search/form.url?display=basic&clear=t&txGid=YtPY1iCilycubzDbTx8Q5dJ%3a20

SCOPUS Register | Login

Search Sources Analytics My Alerts My List My Settings

Live Chat Help

Special Issue of Research Trends Magazine titled 'New perspectives' now freely available at [ResearchTrends.com](#) Brought to you by Scopus Team Library catalogue

Basic Search Author Search Affiliation Search Advanced Search

Search for: in Article Title, Abstract, Keywords [Search Tips](#)

E.g., "heart attack" AND stress [Add search field](#)

Limit to: **Date Range** (inclusive)
 Published All years to Present
 Added to Scopus in the last 7 days

Document Type
All

Subject Areas

<input checked="" type="checkbox"/> Life Sciences (> 4,300 titles)	<input checked="" type="checkbox"/> Physical Sciences (> 7,200 titles)
<input checked="" type="checkbox"/> Health Sciences (> 6,800 titles) Includes 100% Medline coverage	<input checked="" type="checkbox"/> Social Sciences & Humanities (> 5,300 titles)

Search History [Close](#)

Search	Results	Actions
You have not performed any searches in this session.		

[Back to Top](#)

Note: This Search History will contain the latest 50 searches you perform in this session.

Search Sources Analytics My Alerts My List My Settings

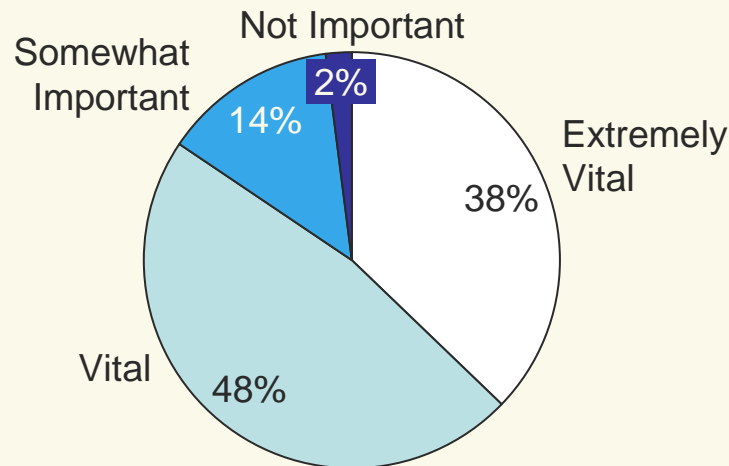
Discussions not available on http://www.scopus.com/

Done Internet

Capture screen now Live Chat Help

What can Scopus do for you? – View and Track an author’s work

Importance of Access to the Expertise of Other Researchers



Screenshot: Scopus Author Information

Aiman-Smith, Lynda

Find unmatched authors | Feedback | Print | E-mail

Personal	
Name	Aiman-Smith, Lynda
Other formats	Aiman-Smith, L.
Author ID	6602183621
Affiliation	North Carolina State University, Department of Business Management Raleigh United States

Research	
Documents	16 Add to list
References	443
Cited By	161 Citation tracker
h Index	6 h-graph <small>The h Index considers Scopus articles published after 1995.</small>
Co-authors	32
Web Search	0
Subject Area	Business, Management and Accounting Psychology Engineering More...

History	
Publication range	1995-2007
Source history	Academy of Management Journal documents Journal of Engineering and Technology Management - JET-M documents Research Technology Management documents More...
Affiliation history	Center for Innovation Management Studies (CIMS)

Documents

This author has published 16 documents in Scopus: (Showing the 2 most recent)

- [Goodrich, N., Aiman-Smith, L.](#)
What does your most important customer want? (2007) *Research Technology Management* [Abstract - Refs](#)
- [Aiman-Smith, L., Bergey, P., Cantwell, A.R., Doran, M.](#)
The coming knowledge and capability shortage (2006) *Research Technology Management* [Abstract - Refs](#)

[View details of all 16 documents by this author](#)

Inform me when this author publishes new documents in Scopus:

- [E-mail alert](#)
- [RSS](#)

Cited By since 1995

This author has been cited 161 times in Scopus: (Showing the 2 most recent)

“Author identification in Scopus is so easy to use and solves a problem that experienced users have long expressed a frustration with. It also builds on an existing strength of Scopus; supporting the collaboration between authors.”

Amy Knapp, Assistant University Librarian for Public Services and Departmental Libraries, USA

Get an overview of an author at a glance

Navigate forward and backward in time using cited references

Alerts for an author’s new publications

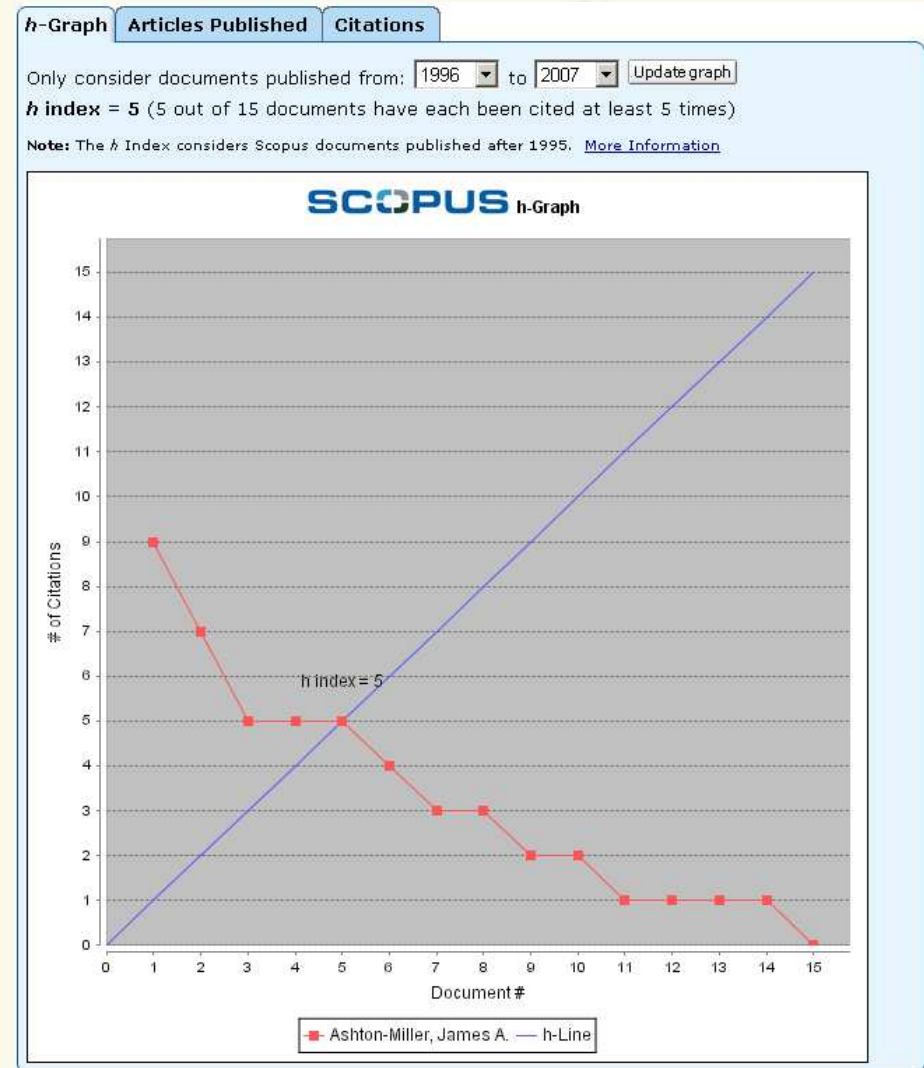
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The *h*-index

Qualifies the impact and quality of research output for:

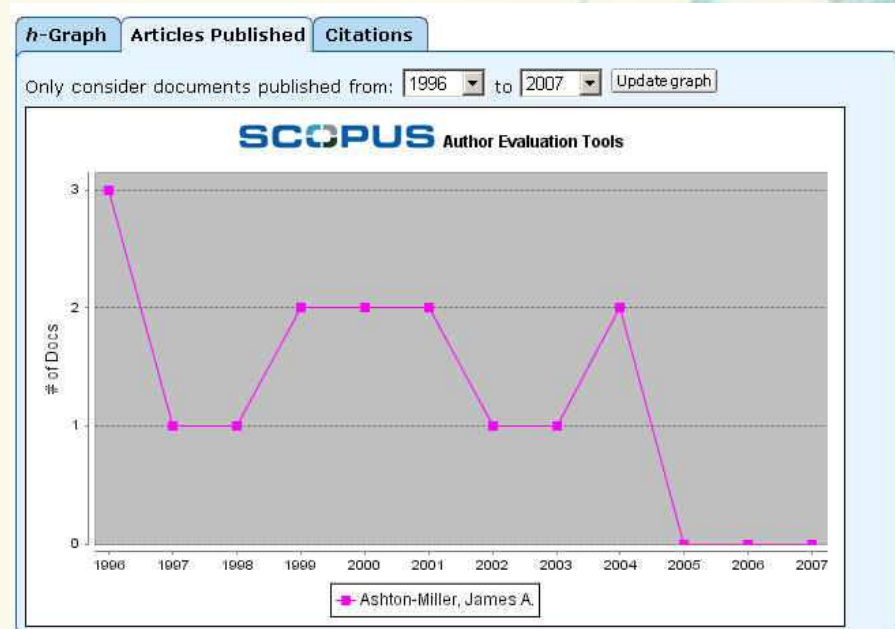
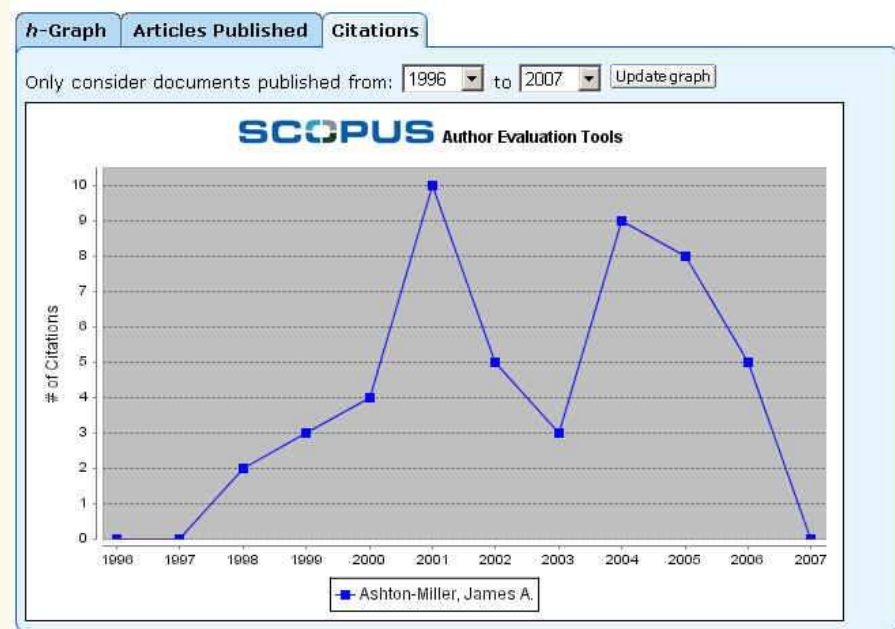
- Individual scientist's
- Journals
- Research projects
- Entire research groups

The measure is simple: a scientist with an *h*-index of, say, 5 has published 5 articles that have each attracted at least 5 citations or more. This means that the rest of the author's papers have less than 5 citations.



Author Cited-by's & Author Articles History

Shows level of activity
Shows highs & lows
Users can change the date range



Turn complexity into simplicity for your community!

Screenshot Scopus Result Page

The screenshot shows the Scopus search results page for the query "TITLE-ABS-KEY(supramolecular)". The page includes a navigation bar with "Search", "Sources", "My Alerts", "My List", and "My Profile". A "Quick Search" box is present. The search results are displayed in a table with columns for Source Title, Author Name, Year, Document Type, and Subject Area. A callout box with a checkmark and the text "Refine results and easy" points to the "Refine Results" section. Another callout box with a checkmark and the text "Direct links to full text" points to the "View at Publisher" link in the search results. The results table shows the following data:

Source Title	Author Name	Year	Document Type	Subject Area
<input type="checkbox"/> Angewandte Chemie International Edition (893)	<input type="checkbox"/> Lehn, J.M. (172)	<input type="checkbox"/> 2008 (737)	<input type="checkbox"/> Article (16,369)	<input type="checkbox"/> Chemistry (12,255)
<input type="checkbox"/> Journal of the American Chemical Society (847)	<input type="checkbox"/> Stoddart, J.F. (126)	<input type="checkbox"/> 2007 (2,297)	<input type="checkbox"/> Conference Paper (1,503)	<input type="checkbox"/> Biochemistry, Genetics and Molecular Biology (4,632)
<input type="checkbox"/> Chemistry A European Journal (666)	<input type="checkbox"/> Glidewell, C. (121)	<input type="checkbox"/> 2006 (2,534)	<input type="checkbox"/> Review (1,286)	<input type="checkbox"/> Materials Science (4,171)

Below the table, there are options to "Add categories", "Limit to", and "Exclude". The results section shows "Results: 19,763" and a search box. A list of results is shown, with the first result being "Poly(amidoamine), polypropylenimine, and related dendrimers and dendrons possessing different branching motifs: An overview of the divergent procedures". The result includes a "View at Publisher" link. A callout box with a checkmark and the text "Direct links to full text" points to this link.

Clean, Clear & Intuitive

“Plug and play”

- Reduce training
- Speed up research by enabling to assimilate a large volume of data quickly

“Advantages of Scopus are speed, speed, speed! I use Scopus for identifying proper citations, staying current in rapidly moving fields, and knowing whom to cite for grants..”

– **Professor Peter Stambrook**, University of Cincinnati, U.S.A.

refine your research
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“Our users appreciate Scopus because of the international breadth of coverage... Scopus will now take this breadth to the next level by expanding the Arts & Humanities.”

– Dr. Peter te Boekhorst,
University Library Münster, Germany

Arts & Humanities (A&H) in Scopus

2009: Scopus adds 1,450 titles

Total of 3,500 A&H titles available

Titles are selected to reflect high quality journals with the help of the European Reference Index for the Humanities (ERIH) by the European Science Foundation (ESF)

Scopus is now truly an “all-science database” for large universities with strong A&H faculties

No extra charge

refine your research
SCOPUS™

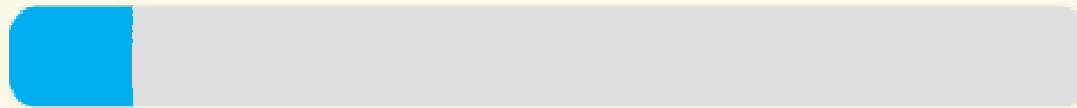
“I very much welcome the expansion of Scopus towards A&H publications. As a whole, it is important also to have an alternative that reflects the European output in the reference journal and citation index business.”

– Arto Mustajoki, President
Finnish Academy of Science and Letters

Arts & Humanities in Scopus

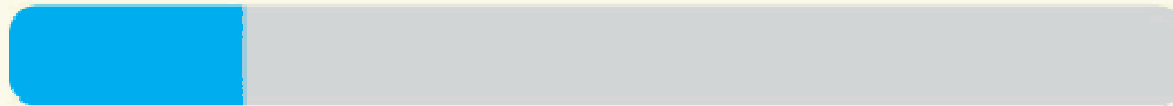
– as a proportion of all Scopus titles

2008



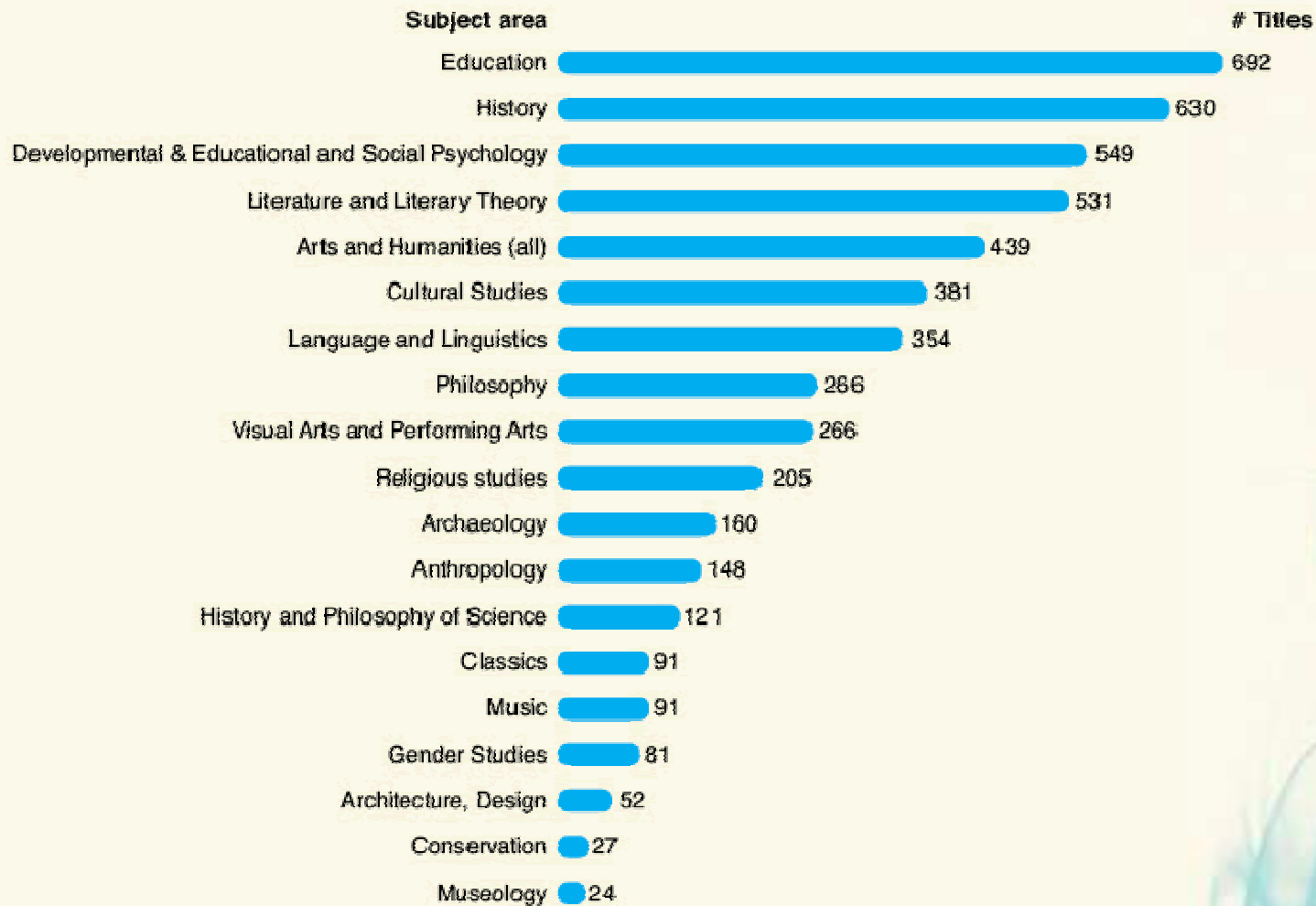
12% of 16,500 titles

2009



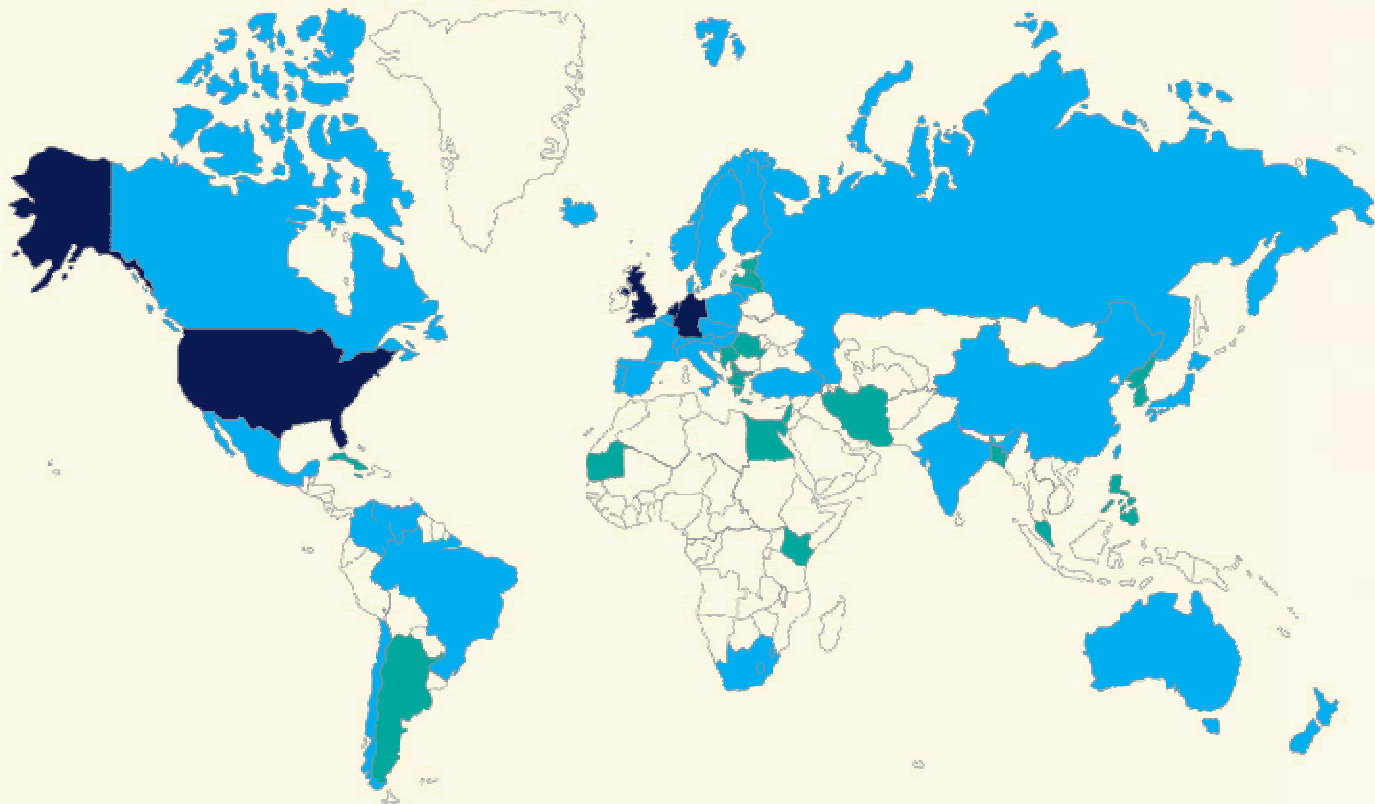
19% of 18,000 titles

Arts & Humanities in Scopus – distribution per subject area



Note that titles can be assigned to more than one subject area

Arts & Humanities in Scopus – world distribution



“We are pleased to see that so many of the A&H titles from the MUSE platform are indexed in Scopus”

– Mary Rose Muccie, Project MUSE Director

Arts & Humanities in Scopus – top 10 publishers

Most frequently occurring publishers

Publisher	%	Number of titles
Taylor & Francis (incl.Routledge, Haworth Press)	8.16	284
SAGE Publications	5.57	194
Wiley Blackwell	5.14	179
Springer	4.14	144
Elsevier (incl.Pergamon, Academic Press, Masson)	4.14	144
Cambridge University Press	2.21	77
Oxford University Press	2.21	77
Brill Academic Publishers	1.70	59
Johns Hopkins University Press	1.15	40
Walter de Gruyter and Co.	1.15	40
Other	64.19	2,219

Arts & Humanities in Scopus – top 10 languages

Most frequently occurring languages

Language	%	Number of titles
English	77.35	3,122
French	7.56	305
German	6.57	265
Italian	3.20	129
Spanish	2.95	119
Portuguese	0.84	34
Dutch	0.59	24
Czech	0.22	9
Croatian	0.12	5
Greek	0.10	4
Other	0.50	20

Note that titles can be published in more than one language

Currently in the market? – Impact Factor

Impact Factor pros

- **Easy to understand**
- **Pervasive** - stranglehold

Impact Factor cons

(*more on next slides)

- **Little transparency** – underlying database not publicly available – Impact Factors cannot be reconstructed
- **Citation windows** available are biased
 - 2 years favours rapidly moving fields
 - 5 years favours slowly moving fields
- **Subject field differences***
- Easy to **mislead and manipulate***

More on... Subject field differences (1 of 2)

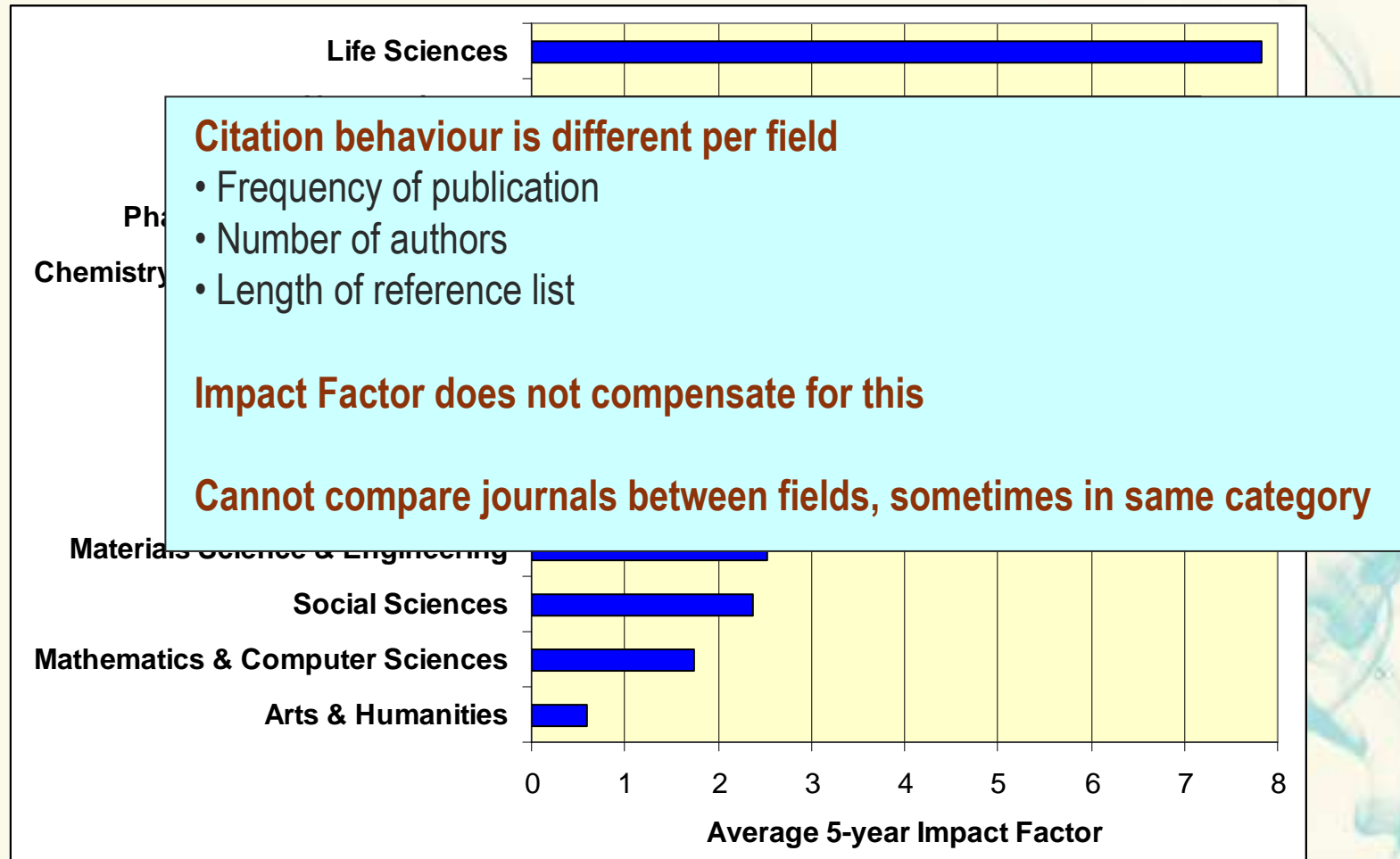
Which journal is best?

Journal	Impact Factor 2008*
Lancet Infectious Diseases	13.165
Social Studies of Science	1.343
Dyes & Pigments	2.507
Expert Systems with Applications	2.596
Progress in Nuclear Magnetic Resonance Spectroscopy	6.162
Communications on Pure & Applied Mathematics	3.806

*Journal Citation Reports 2009

- they are all the best – all the top of their subject categories

More on... Subject field differences (2 of 2)



Elsevier analysis of Thomson Reuters' data

your research
SCOPUS™

More on... Easy to mislead and manipulate

$$\text{Impact Factor 2008} = \frac{\text{All citations received by journal J in 2008 to any content published in 2006-2007}}{\text{Articles \& Reviews published in J 2006-2007}}$$

1. Journal can publish a lot of content that is not an article or review

If this is cited – citation is counted

But piece of content that is being cited does not get counted

2. Common trick to manipulate the Impact Factor:

Editor writes Editorial

Editorial refers to a lot of journal content published in last 2 years

All these citations are counted

But Editorial that is doing the citing does not get counted

SJR and SNIP are strong metrics for first step

SCImago Journal Rank – SJR

- **Prestige metric** – similar to Google PageRank
- **Citations are weighted depending on the status of the source they come from**
- Developed by SCImago – Felix de Moya

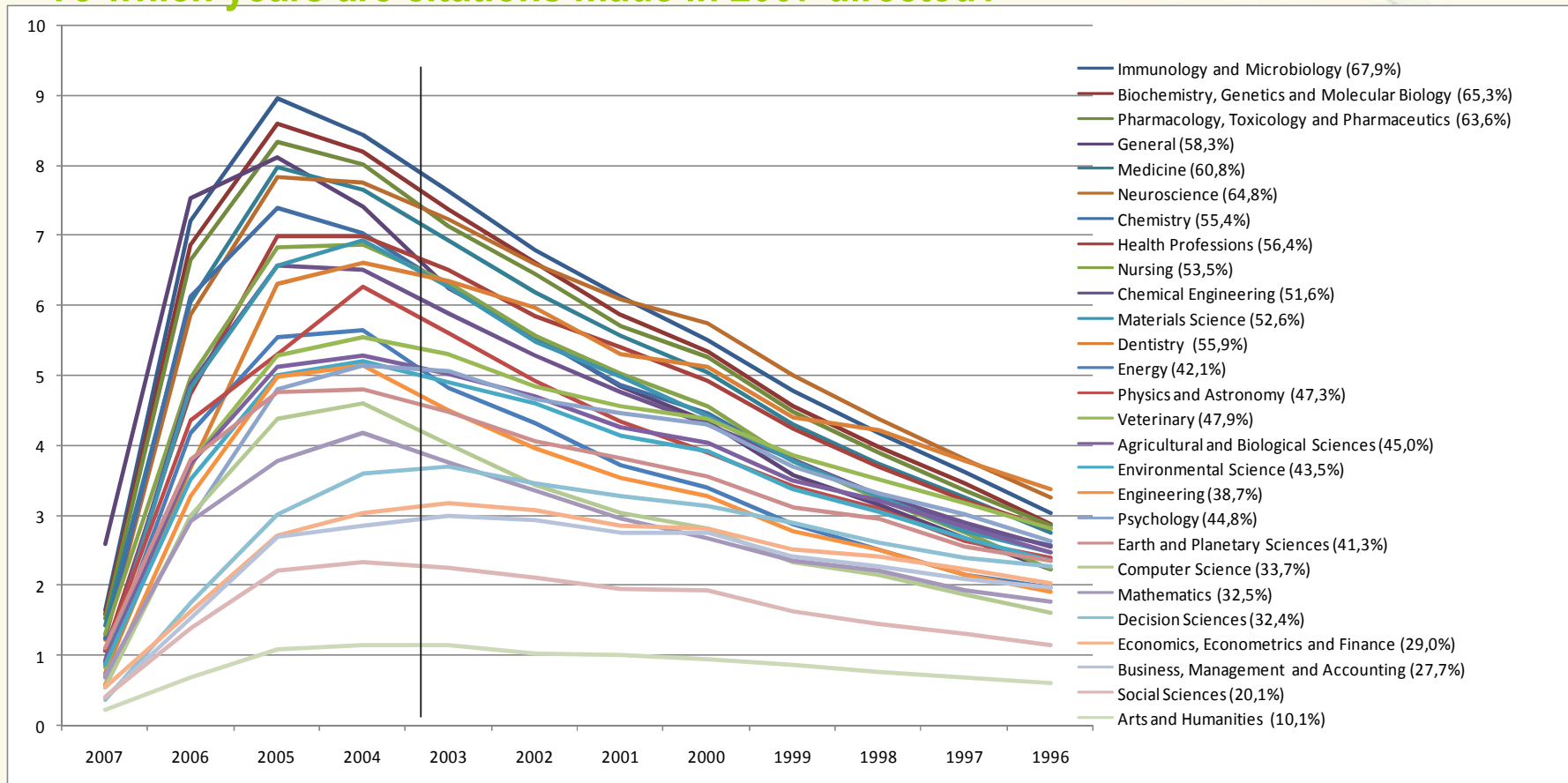
Source-Normalized Impact per Paper - SNIP

- **SNIP measures contextual citation impact**
- **Every citation is counted as 1 citation** – similar to Impact Factor
- **SNIP is field normalized, dependent on likelihood of citation in subject field of source**
- Developed by Henk Moed, CWTS

$$\text{Underlying calculation for both metrics '2009 Impact'} = \frac{\text{Citations received by journal J in 2009 from A,R,CP to A,R,CP published in 2006-2008}}{\text{A,R,CP published in J 2006-2008}}$$

3-year citation window is the fairest compromise

To which years are citations made in 2007 directed?



More on... SCImago Journal Rank - SJR

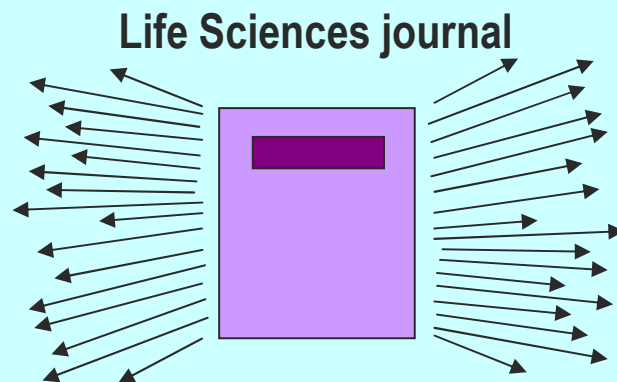
SJR is a prestige metric – citations weighted depending on where they come from

- A journal transfers its prestige by citing
- Prestige transferred = journal's SJR

e.g. **Lancet** SJR 2007 = 1.541 – **high prestige**

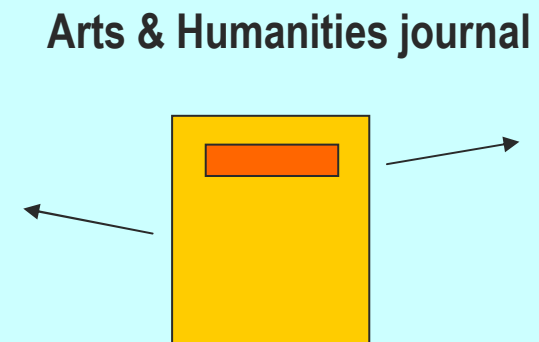
e.g. **Scandinavian Journal of Medicine and Science in Sports** SJR 2007 = 0.153 – **lower prestige**

A journal's prestige is shared equally between its citations



- High impact, lots of citations
- **One citation = low value**

Normalize for differences in citation behaviour between subject fields

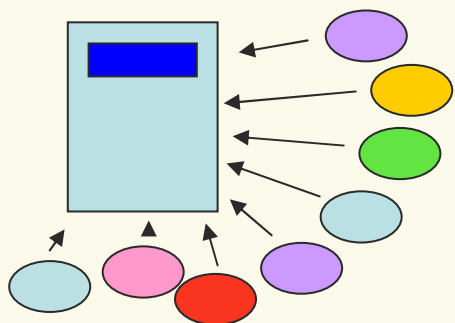


- Low impact, few of citations
- **One citation = high value**

More on... Source Normalized Impact per Paper - SNIP

Calculate 'Citation Potential' for 2009

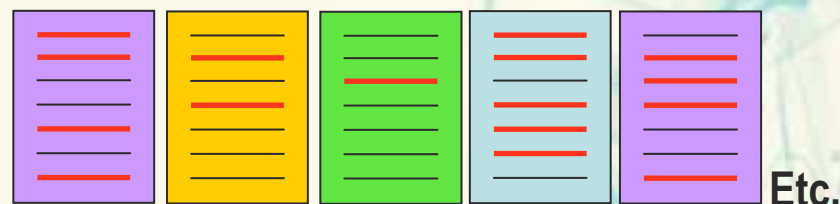
1. Collect papers citing 1-3 year old papers in target journal in 2009



2. Collect reference lists of citing papers



3. Count number of references in citing papers to any (in any journal) 1-3 year old papers



4. Citation Potential = average number of references to any 1-3 year old papers

SNIP = 2009 Impact / 2009 Citation Potential

- Life Sciences – high impact, high Citation Potential
- Arts & Humanities – low impact, low Citation Potential

Normalize for differences in citation behaviour between subject fields

First step – journal evaluation in Scopus

SCOPUS Kim Liefhebber is logged in [Logout](#)

Search Sources Analytics My Alerts My List My Profile

Quick Search

Brought to you by Scopus Team [Library catalogue](#)

Journal Analyzer

Show journals in: [Line chart](#) | [Table](#) [About calculations](#)

Metric 1 Metric 2 Citations Documents % Not cited

Search Journal Title

Limit by Subject Area

Show Metric 1 Metric 2 ISSN

Results: 172 Sources found (Double-click or drag to add)

Journal title	Metric 1
Accounts of Chemical Research	12.345
ACS Chemical Biology	12.345
Advances in Biochemical Engineering/Biotechnology	12.345
Advances in Chemical Engineering	12.345
Advances in Chemical Physics	12.345
AIChE Journal	12.345
American Chemical Society, Division of Petroleum	12.345
Asia-Pacific Journal of Chemical Engineering	12.345
Beijing Huagong Daxue Xuebao (Ziren Kexueban)/Jo...	12.345
Biochemical and Biophysical Research Communica...	12.345
Biochemical Engineering Journal	12.345

Calculations Last Updated: 15 Mar 2009

Notes: Scopus does not have complete citation information for documents published Calculations Last Updated: 15 Mar 2009

Journals In Chart

- ICIS Chemical Business
- Agrochemicals Japan
- Beijing Huagong Daxue Xuebao (Ziren Kexueban)/Journal of Beijing...

Search Sources Analytics My Alerts My List My Profile

Live Chat Help Scopus Labs

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SCOPUS Kim Liefhebber is logged in [Logout](#)

Search Sources Analytics My Alerts My List My Profile

Quick Search

Brought to you by Scopus Team [Library catalogue](#)

Subject Area:

Source Type:

A B C D E F G H I J K L M N O P Q R S T U V W X Y Z
Aa Ab Ac Ad Ae Af Ag Ah Ai Aj Ak Al Am An Ao Ap Aq Ar As At Au Av Aw Ax Az | All

Trade Publications Journals
 Conference Proceedings Book Series

Results: 10

Source title	Metric 1	Metric 2
1. AAA, Arbeiten aus Anglistik und Amerikanistik (on CSA Illumina) Library Catalogue Catalunya	12.345	12.345
2. AAC: Augmentative and Alternative Communication Library Catalogue Catalunya	12.345	12.345
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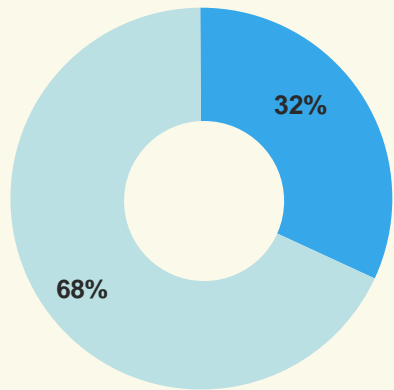
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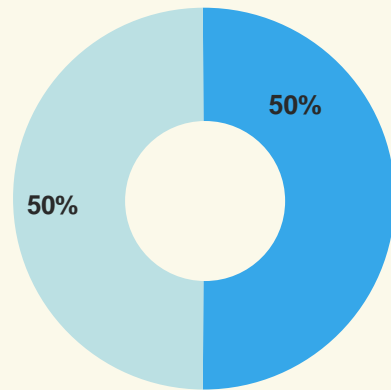
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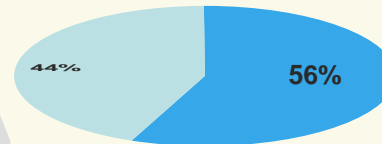
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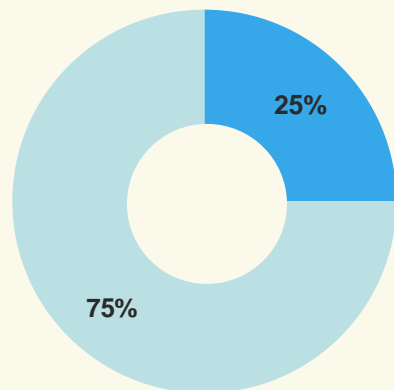
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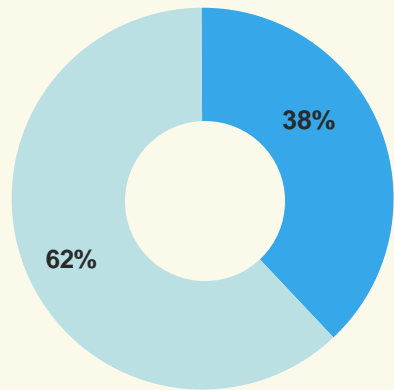
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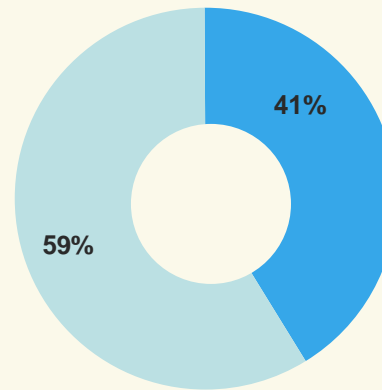
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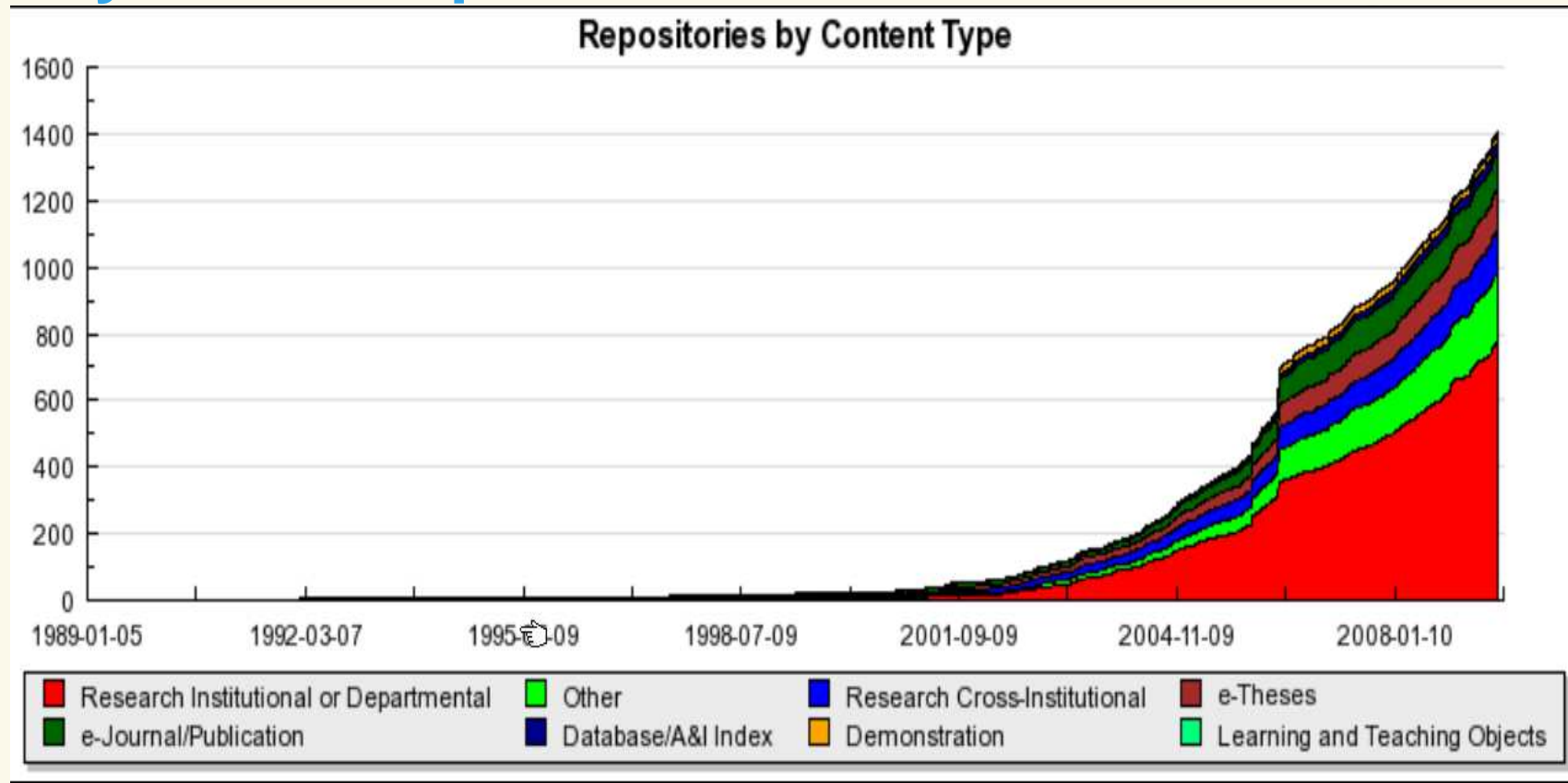


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