

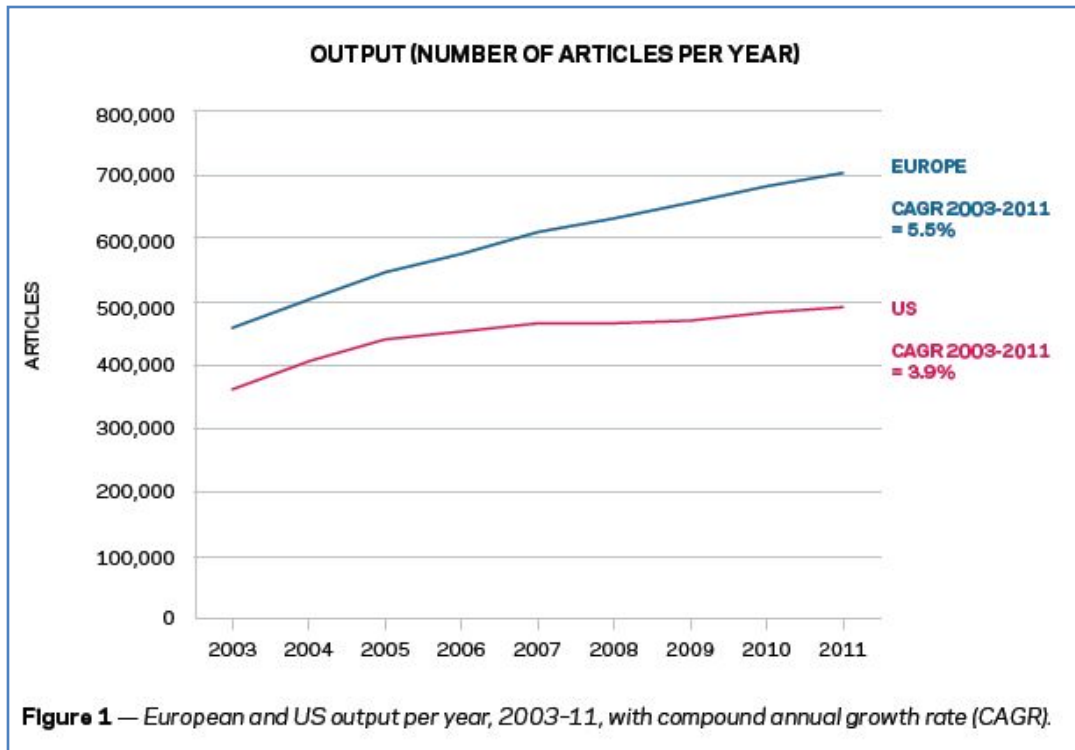
# SCOPUS CONTENT COVERAGE AND CONTENT SELECTION

Dr. Wim Meester  
Senior Product Manager

[w.meester@elsevier.com](mailto:w.meester@elsevier.com)

<http://orcid.org/0000-0001-9350-3448>

# Science is growing globally



Comparative Benchmarking of European and US Research Collaboration and Researcher Mobility

A report prepared in collaboration between Science Europe and Elsevier's Scival Analytics

September 2013



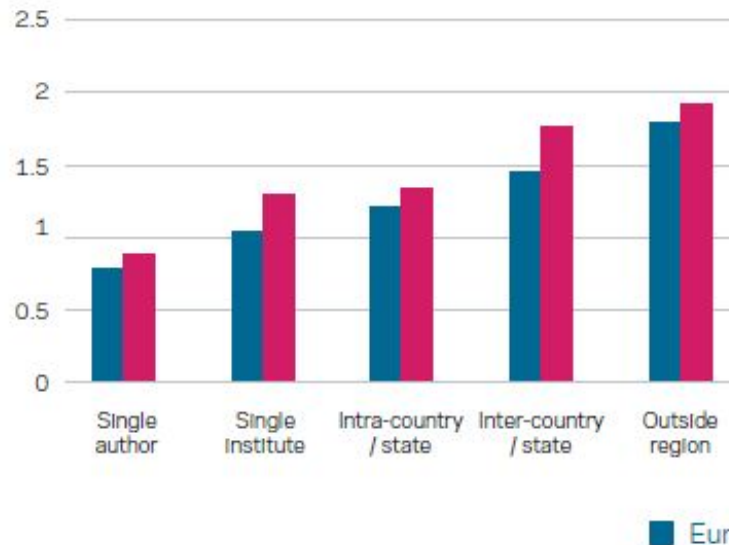
# (International) collaboration is rising



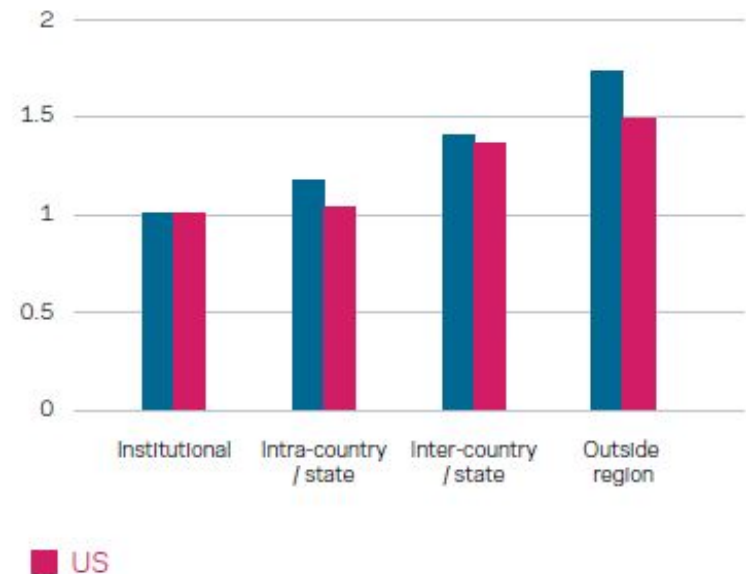
Figure 4 — European and US research collaboration pattern trends, 2003-11.

# Collaboration increases citation impact

FIELD-WEIGHTED CITATION IMPACT PER COLLABORATION TYPE (2007-2011)



FWCI FOLD INCREASE OVER INSTITUTIONAL COLLABORATION

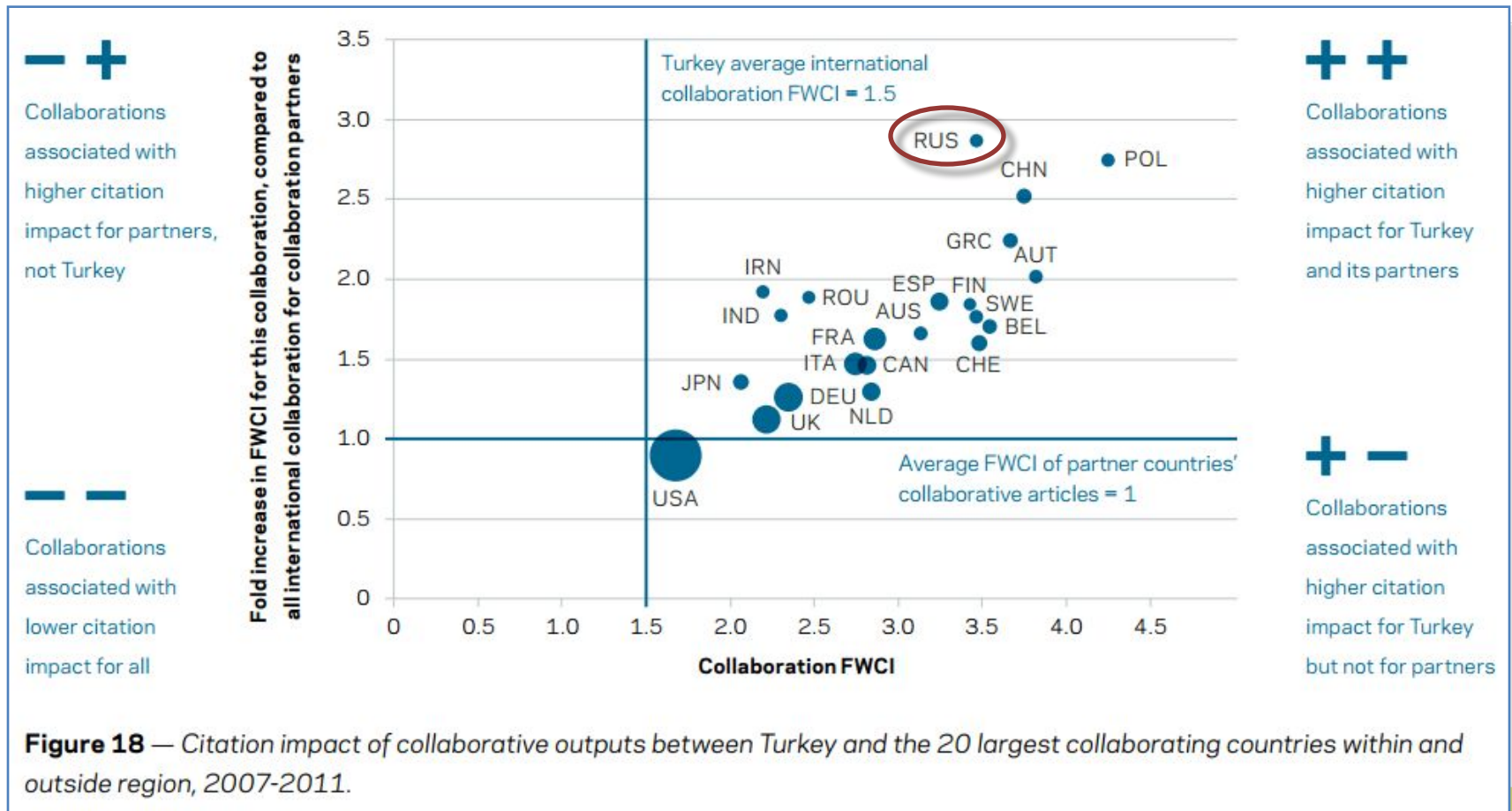


FWCI FOLD INCREASE OVER INSTITUTIONAL COLLABORATION

	Institutional	Intra-country / state	Inter-country / state	Outside region
<b>EUROPE</b>	1	1.17	1.41	1.73
<b>US</b>	1	1.03	1.37	1.49

**Figure 8** — European and US field-weighted citation impact by collaboration type, 2007-2011, (left) absolute values per collaboration type, (right) fold increase over institutional collaboration.

# Citation impact of international collaboration **Scopus**





# The broad source for research answers

# Scopus

21,750  
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Trade journals

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263  
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coverage  
including

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30.3M post-1995 records  
**>51.6M records**

17k conference events  
5M total conference records (10%)

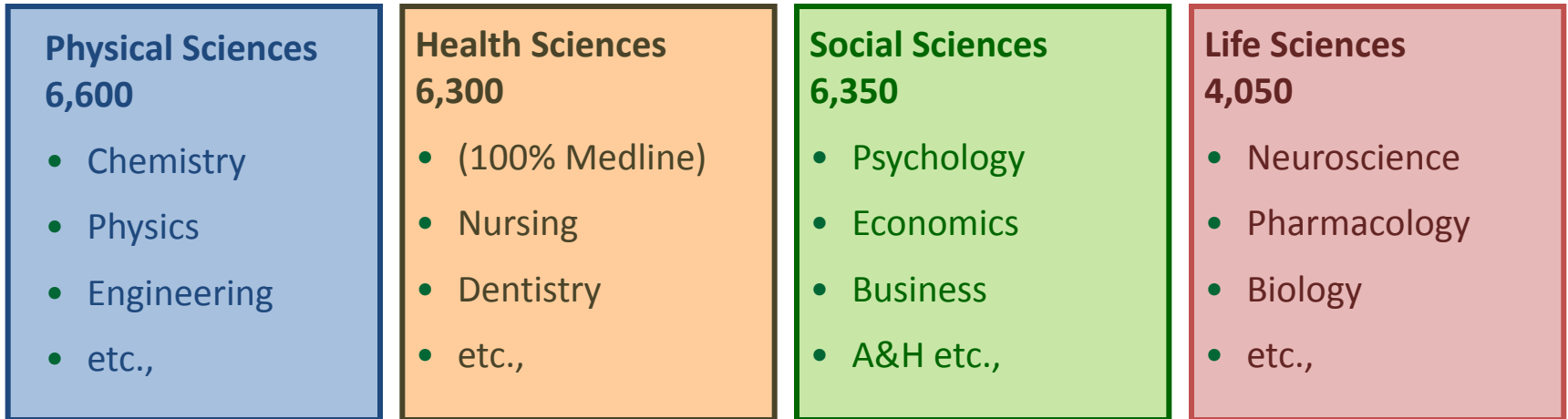
5,500 books  
70k book items (chapters & books)

- Content from > 5,000 publishers
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- 24M Patents

Total average processing time: 5 days

# Breadth of coverage across subject areas

Scopus

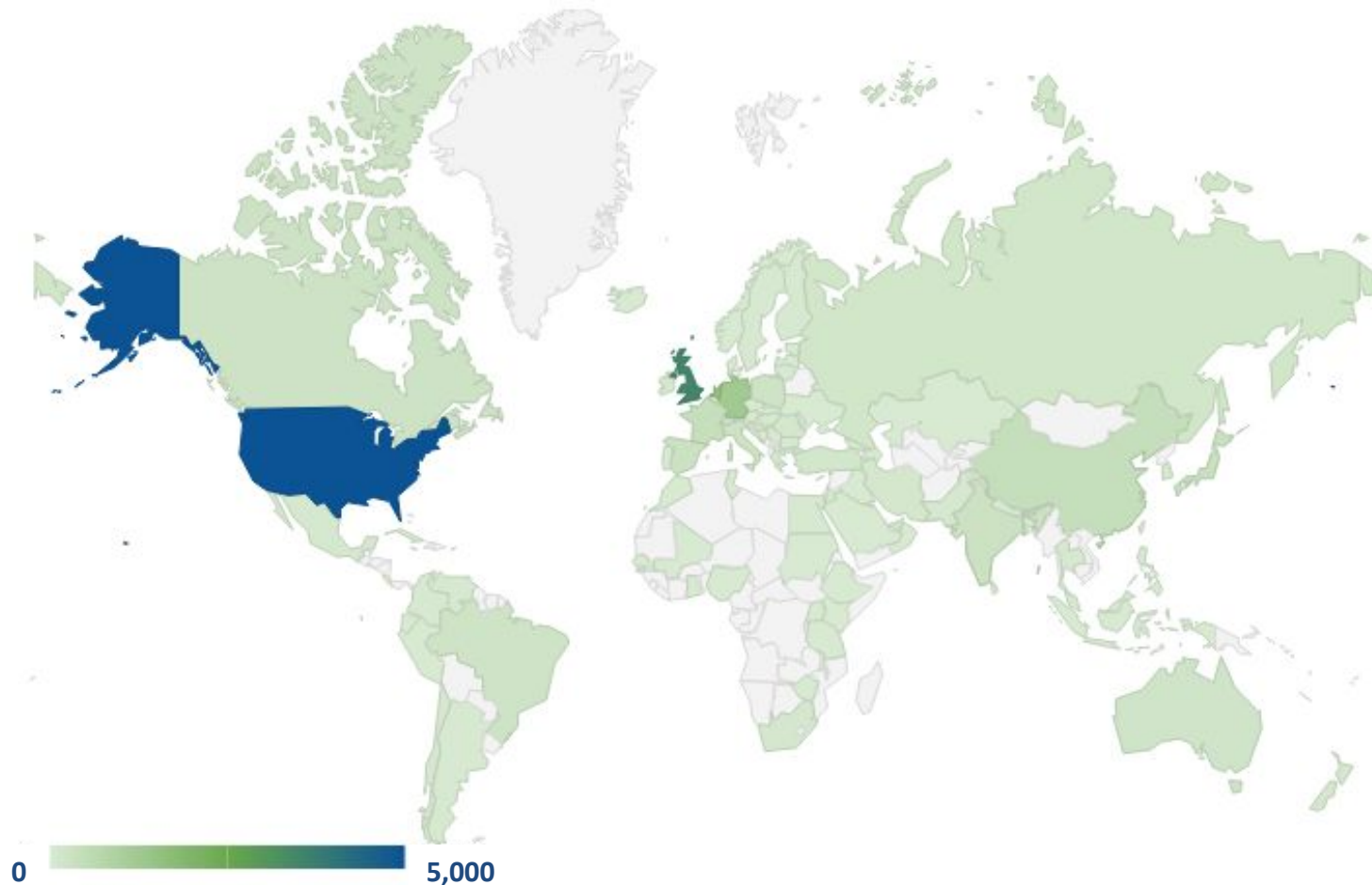


More than 20,400 titles in Scopus, titles can be in more than one subject area



# Geographical distribution of titles

Scopus

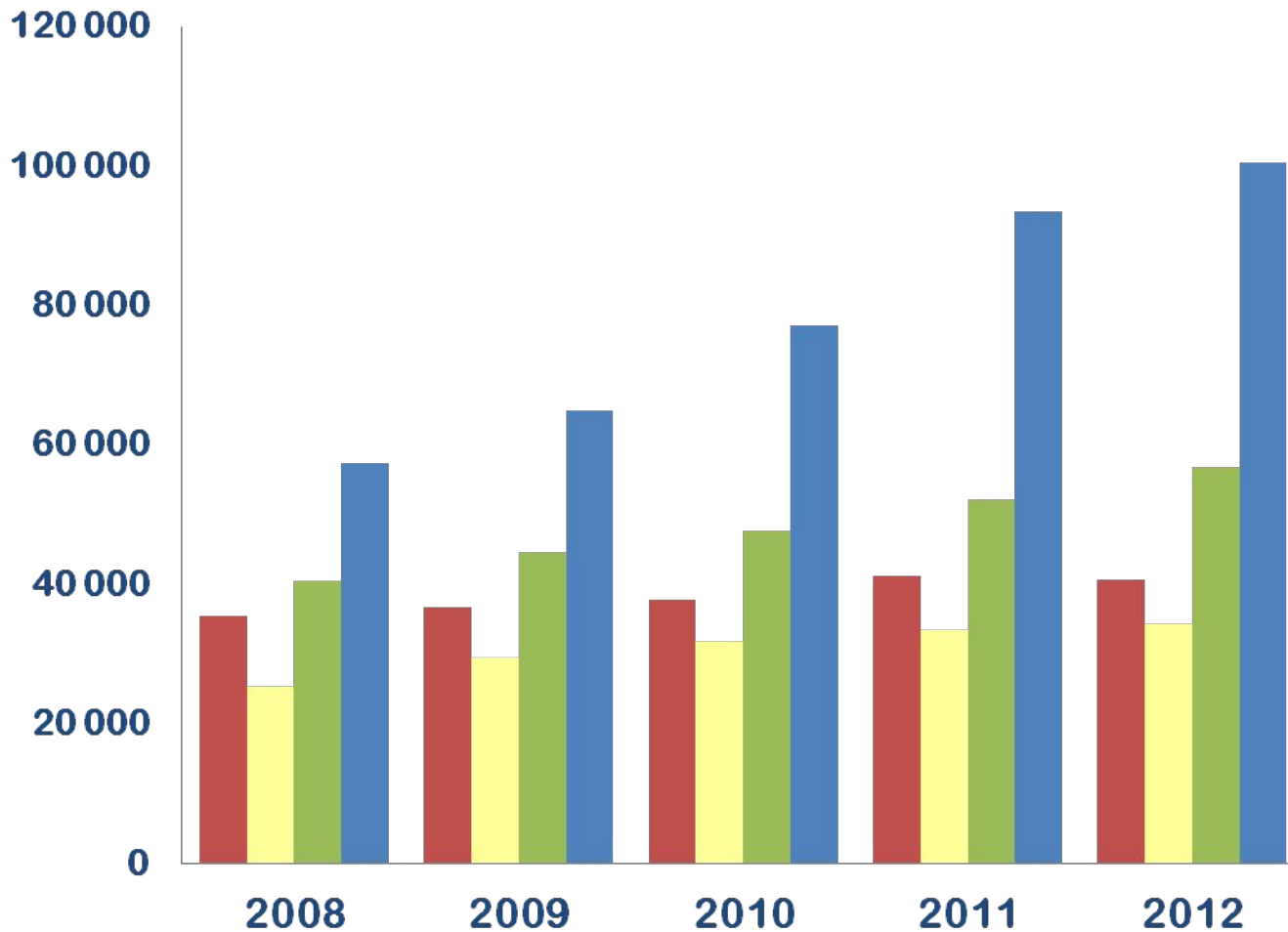


Wider coverage gives a more accurate picture of the research landscape

# Breadth of coverage in Russia

Scopus

Number of documents in Scopus  
2008 – 2012

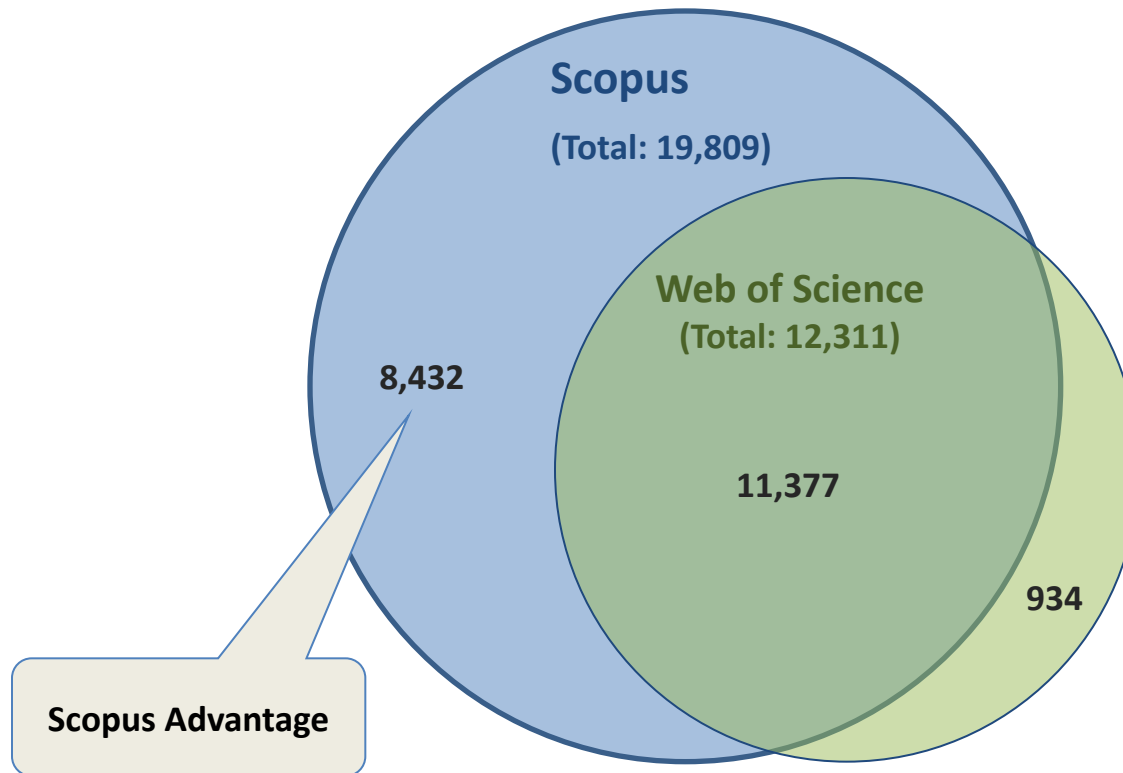


Active titles in Scopus:  
Russia: 209 (80 unique)  
Turkey: 162  
Brazil: 310  
India: 392

India  
Brazil  
Turkey  
Russia

# Broader coverage than nearest peer

Scopus



Scopus Advantage

Source: <http://adat.crl.edu/>, May 2012

# Broader coverage = higher citations

# Scopus

View at publisher | [Full Text](#) | [Library Catalogue](#) | View in EMBASE | Download | Export | Print | E-mail | Create bibliography | Add to

Nature

Volume 409, Issue 6822, 15 February 2001, Pages 860-921

## Initial sequencing and analysis of the human genome

Lander, E.S.<sup>a</sup> , Linton, L.M.<sup>a</sup>, Birren, B.<sup>a</sup>, Nusbaum, C.<sup>a</sup>, Zody, M.C.<sup>a</sup>, Baldwin, J.<sup>a</sup>, Devon, K.<sup>a</sup>, Dewar, K.<sup>a</sup>, Doyle, M.<sup>a</sup>, Gage, D.<sup>a</sup>, Harris, K.<sup>a</sup>, Heaford, A.<sup>a</sup>, Howland, J.<sup>a</sup>, Kann, L.<sup>a</sup>, Lehoczky, J.<sup>a</sup>, Levine, R.<sup>a</sup>, McEwan, P.<sup>a</sup>, McKernan, K.<sup>a</sup>,

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Iida, A. , Hosono, N. , Sano, M.  
**Novel deletion mutations of OPTN in amyotrophic lateral sclerosis in Japanese**  
(2012) *Neurobiology of Aging*

Ice, J.A. , Li, H. , Adrianto, I.  
**Genetics of Sjögren's syndrome in the genome-wide association era**  
(2012) *Journal of Autoimmunity*

### Web of Science®

Title: Initial sequencing and analysis of the human genome

Author(s): Lander ES ; Linton LM ; Birren B ; et al.

Group Author(s): Int Human Genome Sequencing Conso

Source: NATURE Volume: 409 Issue: 6822 Pages: 860-921 DOI: 10.1038/35057062 Published: FEB 15 2001

**8,870** i Web of Science





# Expansive coverage does not mean lower standards **Scopus**

**Publisher**



**STEP**



**Independent Content Selection & Advisory Board (CSAB)**



**Scopus**

**Suggest title    Check minimum criteria    Select titles based on quality**

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## Focus on quality through selection by independent CSAB to:

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- Support that Scopus is recognized as authoritative
- Support confidence that Scopus is “reflecting the truth”

## Minimum criteria

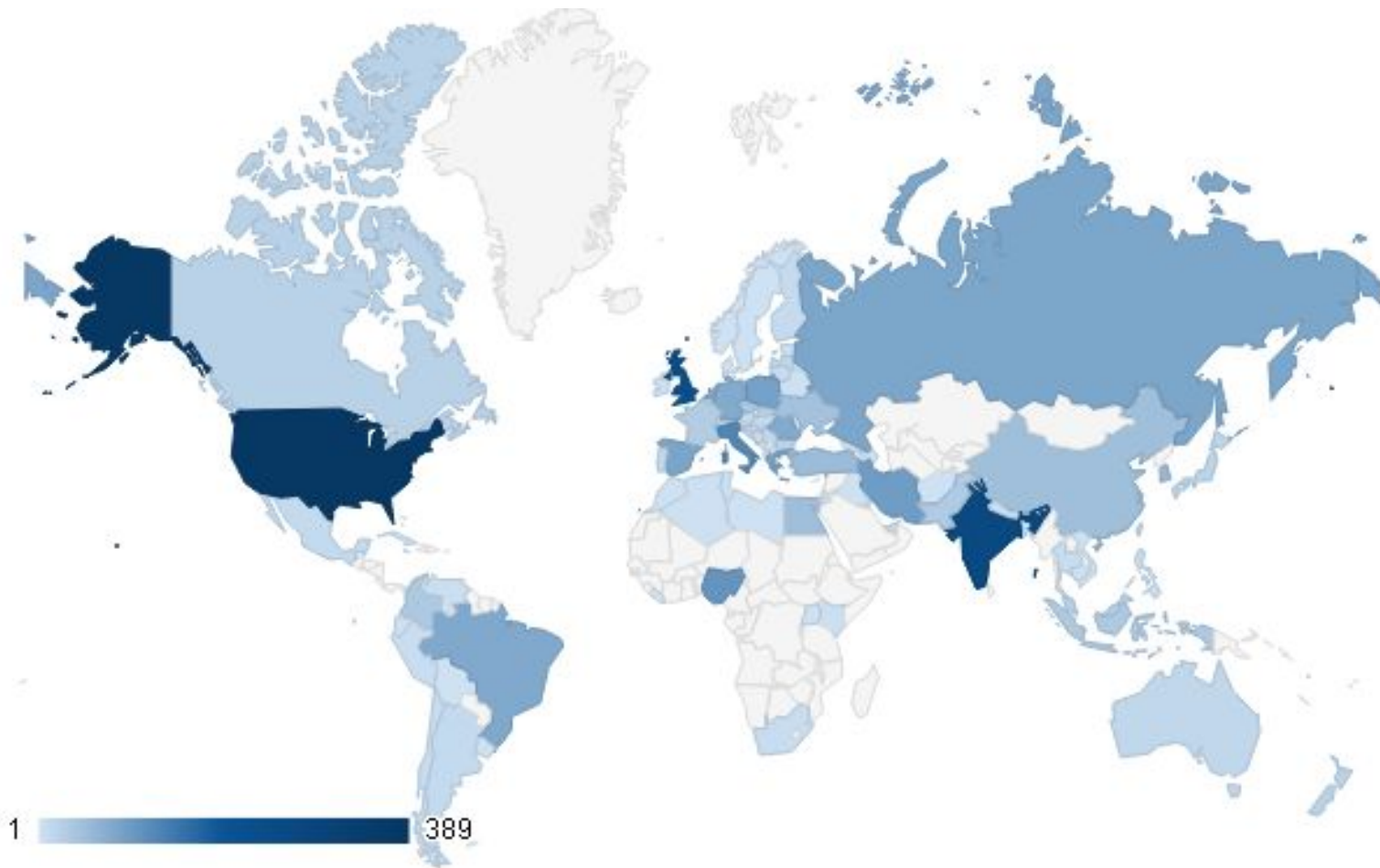
- Peer-review
- English abstracts
- Regular publication
- References in Roman script
- Publication ethics statement

<b>Journal policy</b>	<ul style="list-style-type: none"><li>• Convincing editorial concept/policy</li><li>• Level of peer-review</li><li>• Diversity in geographic distribution of editors</li><li>• Diversity in geographic distribution of authors</li></ul>
<b>Quality of content</b>	<ul style="list-style-type: none"><li>• Academic contribution to the field</li><li>• Clarity of abstracts</li><li>• Quality and conformity with stated aims &amp; scope</li><li>• Readability of articles</li></ul>
<b>Journal standing</b>	<ul style="list-style-type: none"><li>• Citedness of journal articles in Scopus</li><li>• Editor standing</li></ul>
<b>Regularity</b>	<ul style="list-style-type: none"><li>• No delay in publication schedule</li></ul>
<b>Online availability</b>	<ul style="list-style-type: none"><li>• Content available online</li><li>• English-language journal home page</li><li>• Quality of home page</li></ul>

# Title suggestions per country

Scopus

All title suggestions received in 2012



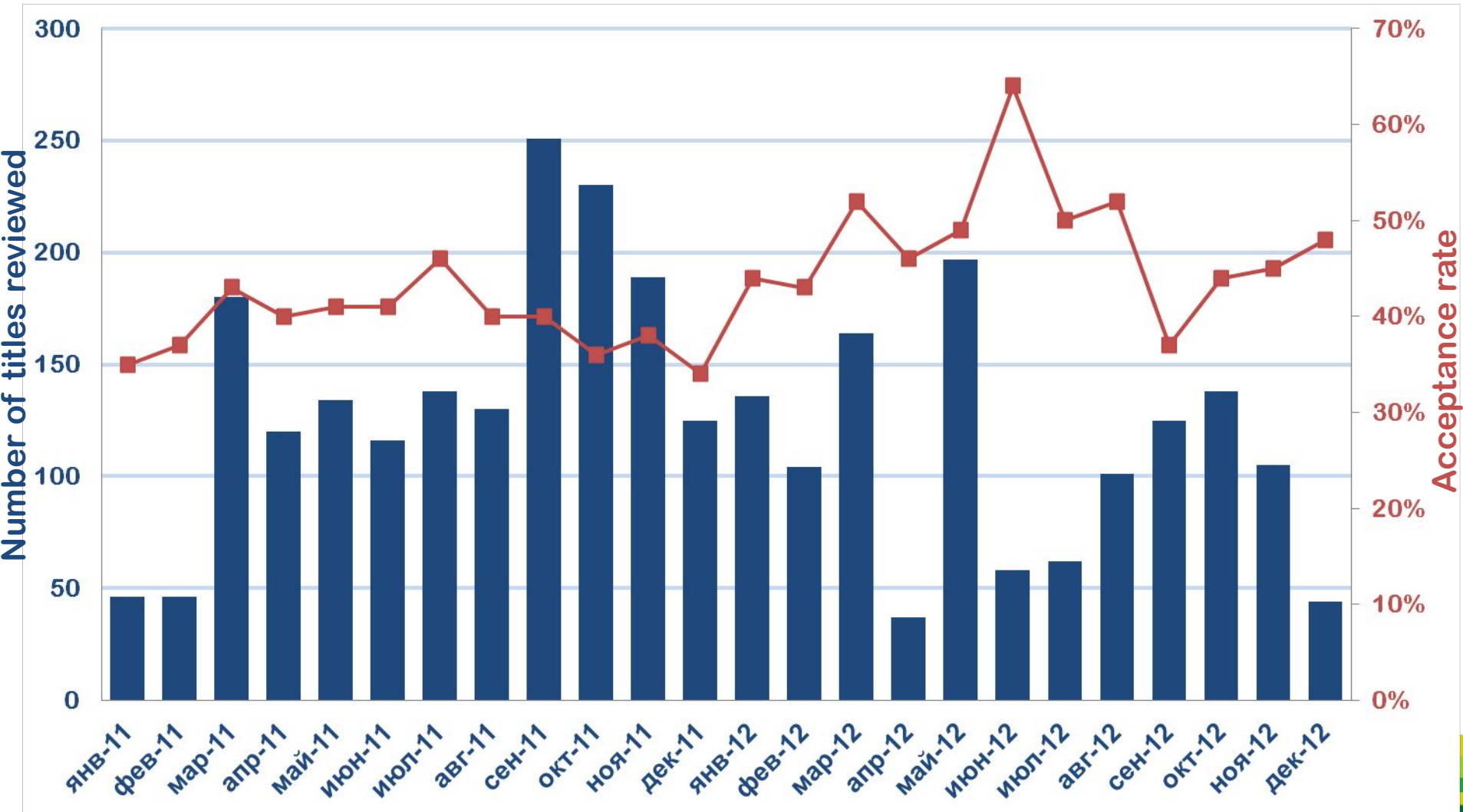
2,820 titles suggested in 2012 of which 1,020 acceptable for review



# Titles reviewed

Scopus

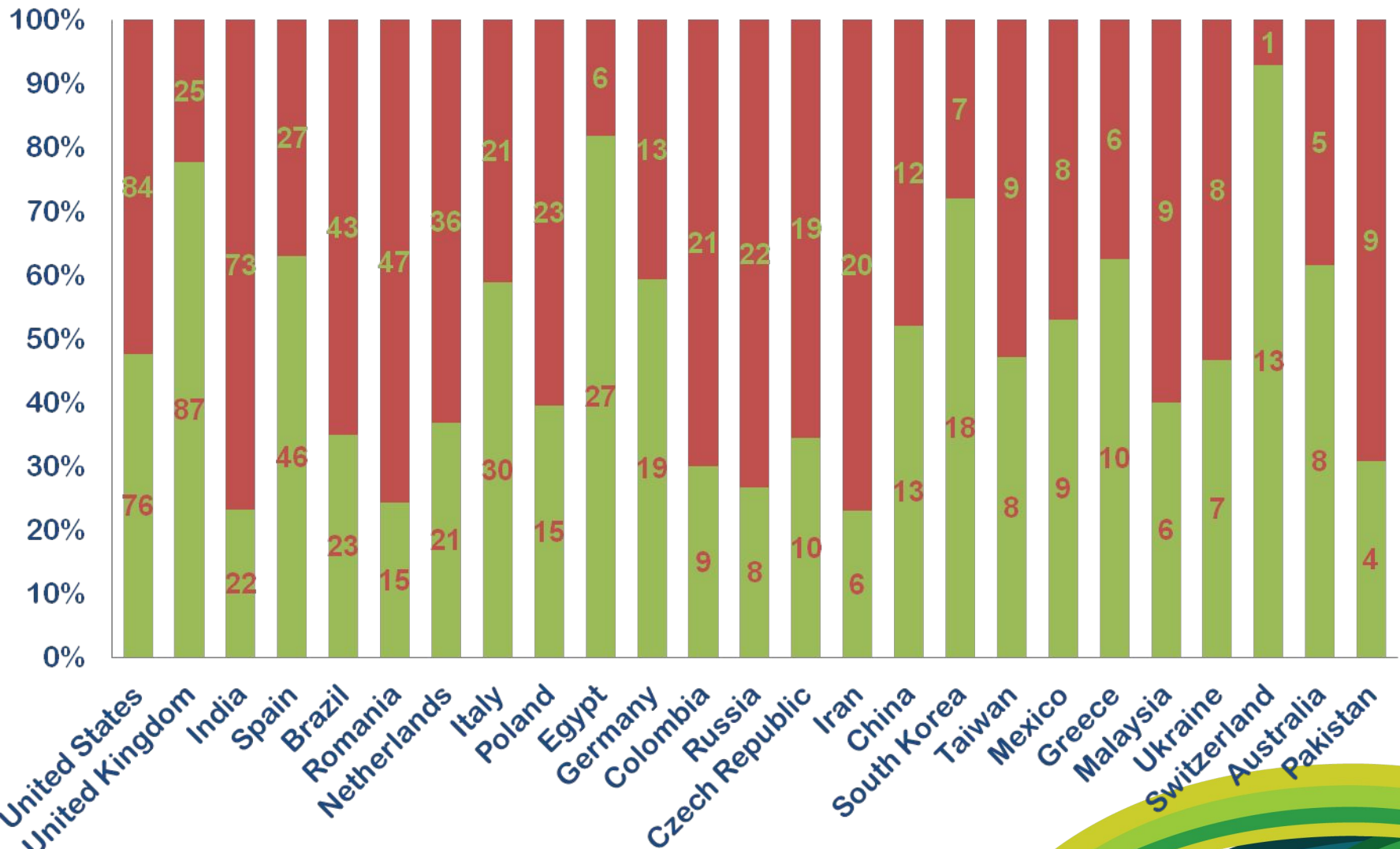
(n=2,976, January 2011 – December 2012)



2012: Total 1,271 titles reviewed of which 47% accepted

# Titles reviewed top 25 countries (2012)

Scopus



Accepted  
Rejected



[titlesuggestion@scopus.com](mailto:titlesuggestion@scopus.com)

# Which metric to use?

1. What **level** am I assessing?
  - Article, Journal, Researcher, Institution, etc.
2. What **type** of impact am I assessing?
  - Scientific, Clinical, Societal, Educational, etc.
3. What **methods** are available based on above?
  - **Quantitative**: citation, usage, media, h-index, SNIP, SJR, etc.
  - **Qualitative**: Peer-review, etc.

**Bibliometrics** (quantitative measures used to assess research output)  
Basic premise = **Citation is a form of endorsement**

Bibliometricians agree that **no single metric can effectively capture the entire spectrum of research performance** because no single metric can address all key variables

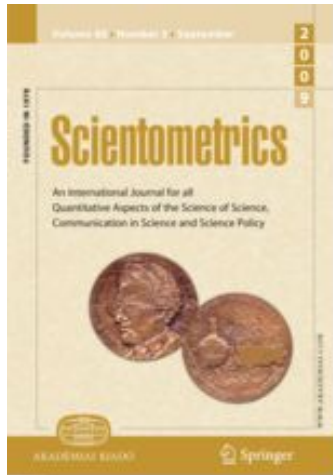
Which journal is best?

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**





“[Publishers should] **Greatly reduce emphasis on the journal impact factor as a promotional tool** ideally by ceasing to promote the impact factor or **by presenting the metrics in the context of a variety of journal based metrics** ... that provide a richer view of journal performance”

Vanclay, J, Impact factor: outdated artefact or stepping-stone to journal certification, *Scientometrics*, Volume 92, Issue 2 (August 2012)

- From *The San Francisco Declaration on Research Assessment (DORA)*  
<http://am.ascb.org/dora/>



# More accuracy, transparency, more metrics

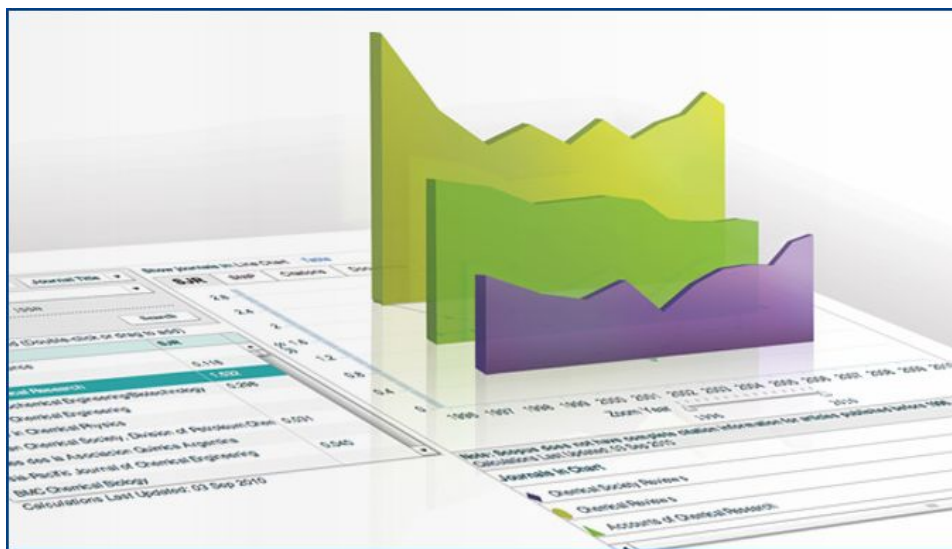
# Scopus

## About SJR

SCImago Journal Rank (SJR) is a prestige metric based on the idea that 'all citations are not created equal'.

## About SNIP

Source Normalized Impact per Paper (SNIP) measures contextual citation impact by weighting citations based on the total number of citations in a subject field.

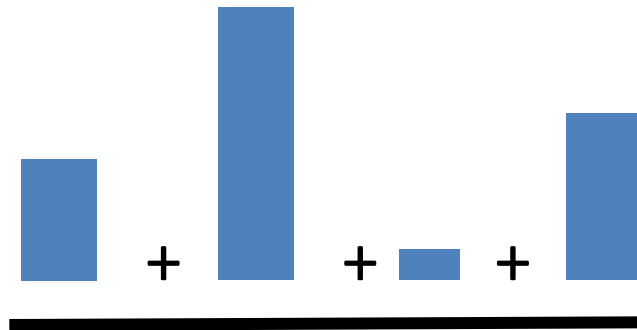


[www.journalmetrics.com](http://www.journalmetrics.com)

# SNIP: Source-normalized impact per paper

Scopus

A journal's raw impact per paper



Citation potential in its subject field



Peer reviewed papers only

A field's frequency and immediacy of citation

Database coverage

Journal's scope and focus

Measured relative to database median



# SNIP: Molecular Biology VS Mathematics

Scopus

Journal	RIP	Cit. Pot.	SNIP (RIP/Cit. Pot.)
Inventiones Mathematicae	1.5	0.4	3.8
Molecular Cell	13.0	3.2	4.0

**Prestige metric:** Prestige transferred when a journal cites

- Citations are weighted depending on where they come from
- A journal's prestige is shared equally between its citations



High impact, lots of citations  
One citation = low value



Low impact, few on citations  
One citation = high value

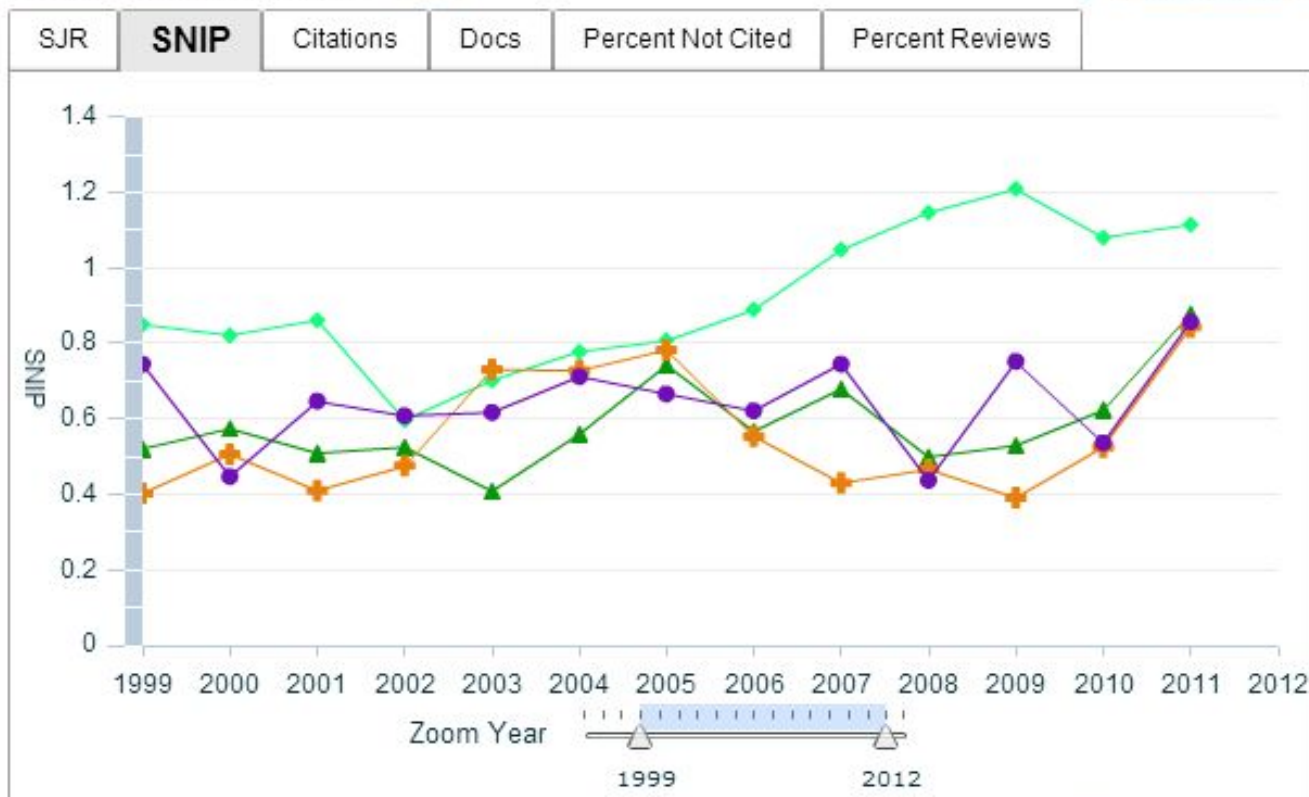
SJR normalizes for differences in citation behaviour between subject fields

# More analysis using Scopus: Journal Analyzer

# Scopus

Show journals in: [Line Chart](#) | [Table](#)

[?](#) About calculations



Note: Scopus does not have complete citation information for articles published before 1996.

Calculations Last Updated: 03 Sep 2012

Journals in Chart

[✕](#) Clear Chart

	Indian Journal of Medical Research	<a href="#">+</a> Show info	<a href="#">✕</a>
	Indian Journal of Experimental Biology	<a href="#">+</a> Show info	<a href="#">✕</a>
	Indian Journal of Pure and Applied Physics	<a href="#">+</a> Show info	<a href="#">✕</a>
	Indian Journal of Fibre and Textile Research	<a href="#">+</a> Show info	<a href="#">✕</a>


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## Quality metrics

There are several reasons why an author will choose a particular journal to submit to and probably one of the most important reasons is the quality of the journal. To be accepted by a good quality journal is, in itself, a mark of quality. We define quality by several metrics, which are statistically sound and provide authors with valuable information to support their selection.


### Impact Factor



### 5 Year Impact Factor




### Eigenfactor & Article Influence



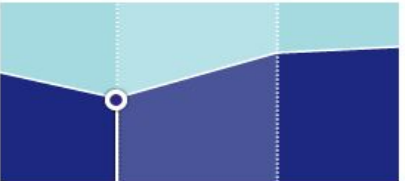
2009  
1.339 Article influence

### SNIP



Year 2009  
0.826 SNIP

### SJR



# APIs to promote article-level metrics

# Scopus

## A tutorial on particle filters for online nonlinear/non-Gaussian Bayesian tracking

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4 Author(s) Sanjeev Arulampalam, M. ; Defence Sci. & Technol. Organ., Adelaide, SA, Australia ; Maskell, S. ; Gordon, N. ; Clapp, T.

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# Societal impact and media mentions via Altmetric for Scopus

Scopus

Nature

Volume 474, Issue 7350, 8 June 2011, Pages 212-216

Altmetric for Scopus



Score in context

Puts article in the top 5% of all articles ranked by attention

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- 1 F1000 reviews
- 3 news outlets
- 7 science blogs

Readers on








- 4 Mendeley
- 5 CiteULike
- 3 Connotea

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Twitter F1000 News Blogs Score Demographics

So far Altmetric has seen 9 tweets from 7 accounts with an upper bound of 5,271 combined followers.

- |   |  |
|---|--|
| <br>sivad<br>@sivad<br>1,790 followers                   | 遺伝的背景が同じでも、iPS細胞はES細胞と異なり拒絶反応を起こした、というマウスでの実験 / "nature10135.html" http://t.co/14AER7LA<br><br>26-Dec-2012                                   |
| <br>さより<br>@sayori27<br>2,123 followers                  | 遺伝的背景が同じでも、iPS細胞はES細胞と異なり拒絶反応を起こした、というマウスでの実験 / "nature10135.html" http://t.co/14AER7LA<br><br>26-Dec-2012<br>← Reply   Retweet   ★ Favorite |
| <br>アマー<br>@amardayo<br>539 followers                    | 遺伝的背景が同じでも、iPS細胞はES細胞と異なり拒絶反応を起こした、というマウスでの実験 / "nature10135.html" http://t.co/14AER7LA<br><br>26-Dec-2012                                   |
| <br>仁ゴ・ラインハルト (ほんごう)<br>@altocicada<br>433 followers     | 遺伝的背景が同じでも、iPS細胞はES細胞と異なり拒絶反応を起こした、というマウスでの実験 / "nature10135.html" http://t.co/14AER7LA<br><br>26-Dec-2012                                   |
| <br>仁ゴ・ラインハルト (ほんごう)<br>@altocicada<br>433 followers   | "nature10135.html" http://t.co/zbiYEfw<br><br>26-Dec-2012  |
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| <br>Robert Silge, MD<br>@DrSilge                       | pluripotent stem cells induced from somatic cells can have immunogenicity. Potential problem for therapy. http://ow.ly/5di29                 |

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**The immunological challenges of cell transplantation for the treatment of Parkinson's disease**  
 (2012) *Brain Research Bulletin*

de Verteuil, D. , Granados, D.P. , Thibault, P.  
**Origin and plasticity of MHC I-associated self peptides**  
 (2012) *Autoimmunity Reviews*

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Saved to reference managers

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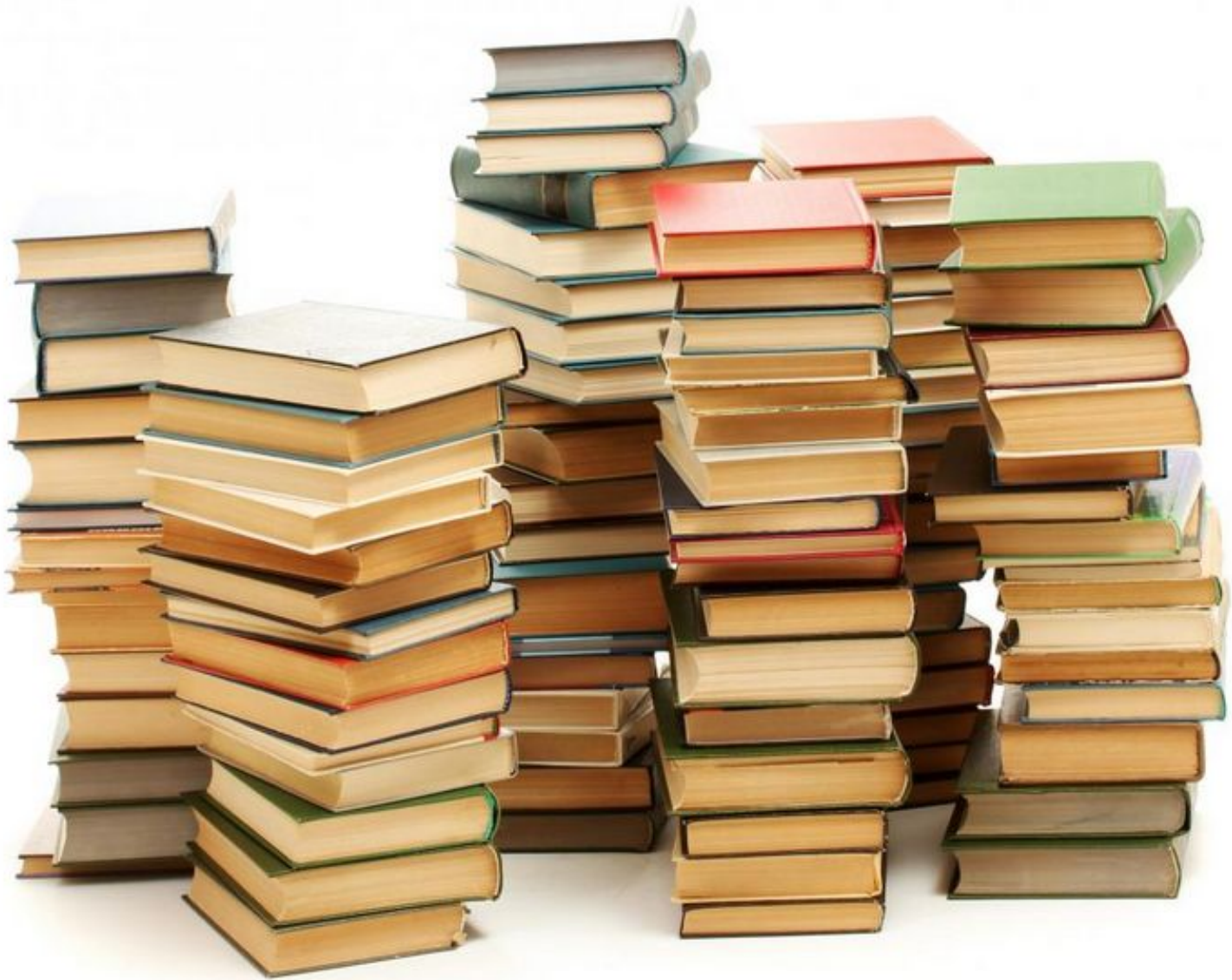
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MeSH: Animals; Cells; Culture; Fibroblasts; Organ Rejection; Induced Pluripotent Stem Cells; Mice; Mice, Inbred C57BL; Nuclear

Reprogramming; Plasmids; Teratoma; Transplantation, Homologous; Transplantation, Isogeneic; Up-Regulation

Medline is the source for the MeSH terms of this document.

Species Index: Mus



- **Journals**

- Timely
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Coverage years	• Back to 2005 (2003 for A&H) • 75,000 over three years (25,000 by year end 2013); • 10,000 monographs, edited volumes, graduate reference books, undergraduate text books, Atlas, Yearbook, Biography, Popular science books, manuals
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Book types	
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10 <a href="#">Cultural Consideration in Landslide Risk Perception</a> (Chapter <b>B</b> )	Harmsworth, G., Raynor, B.	2012	<i>Landslide Hazard and Risk</i>	5

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10 April 2012, Pages 43-74

## The Nature of Landslide Hazard Impact (Chapter B)

Crozier, M.J.<sup>a</sup>, Glade, T.<sup>b</sup><sup>a</sup> Institute of Geography, School of Earth Sciences, Victoria University of Wellington, PO Box 600, Wellington, New Zealand<sup>b</sup> Department of Geography, University of Bonn, Meckenheimer Allee 166 D-53115 Bonn, Germany

### Abstract

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### Author keywords

Deep-seated earthflows; Landslide hazard impact; Mass movement; Slope instability; Soil creep

ISBN: 978-047148663-3 Source Type: Book Original language: English

DOI: 10.1002/9780470012659.ch2 Document Type: Chapter

Publisher: John Wiley &amp; Sons, Ltd

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1 (2002) *Australian Geomechanics*, pp. 51-70.

Australian Geomechanics Society Australian Geomechanics Society Sub-committee on Landslide Risk Management (ed.)

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26 Chapters found in Scopus

**Landslide Hazard and Risk: Issues, Concepts and Approach**

The Nature of Landslide Hazard Impact

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(2013) *Earth Surface Processes and Landforms*Vranken, L., Van Turnhout, P., Van Den Eeckhaut, M.  
**Economic valuation of landslide damage in hilly regions: A case study from Flanders, Belgium**  
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