

Elsevier Research Intelligence

To See and To Be Seen: Scopus

Peter Porosz
Solution Manager, Research Management

Elsevier
12th October 2015

Lead the way in advancing science, technology and health

Marie Curie
(Physics,
Chemistry)



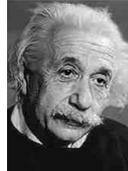
Louis
Pasteur
(Chemistry)



Alexander
Fleming
(Medicine)



Albert
Einstein
(Physics)



Shinya
Yamanaka
(Medicine)



John C.
Mather
(Physics)



Francoise
Barre-Sinoussi
(Medicine)



Craig C Mello
(Medicine)



Galileo's last and greatest work, published in 1638 by Elsevir, Discorsi e Dimostrazioni Matematiche

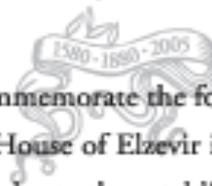


ELSEVIER

425.125

YEARS OF PUBLISHING

TRADITION | EXCELLENCE

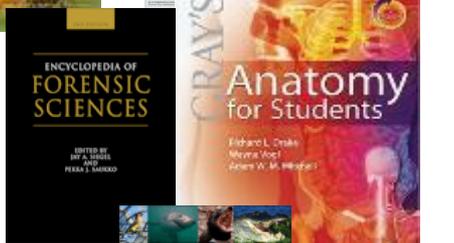


We commemorate the founding of the House of Elsevir in 1580 and celebrate the establishment of the Elsevier company in 1880.





Elsevier Research Intelligence
 Pure Analytical Services
 SciVal



Content + Technology and Analytics = Improved Outcomes

Decisions by “triangulating” information

Elsevier Research Intelligence

**Reliable
data**

Your Scientists



**Expert
opinion**

**Strategic
Planning
for
Research**

External Review



**Peer
review**

Elsevier Research Intelligence

SciVal

Pure

Analytical
Services

Scopus

Mendeley

External view

Internal view

Rich data assets

Ready-to-use tools to analyze the world of research, and to establish, execute and evaluate optimized strategies for the research organization.

Comparative research information management system to enable evidence-based decisions, promote collaboration, simplify administration and optimize impact.

Customized analysis, reports and services to meet your research management needs.

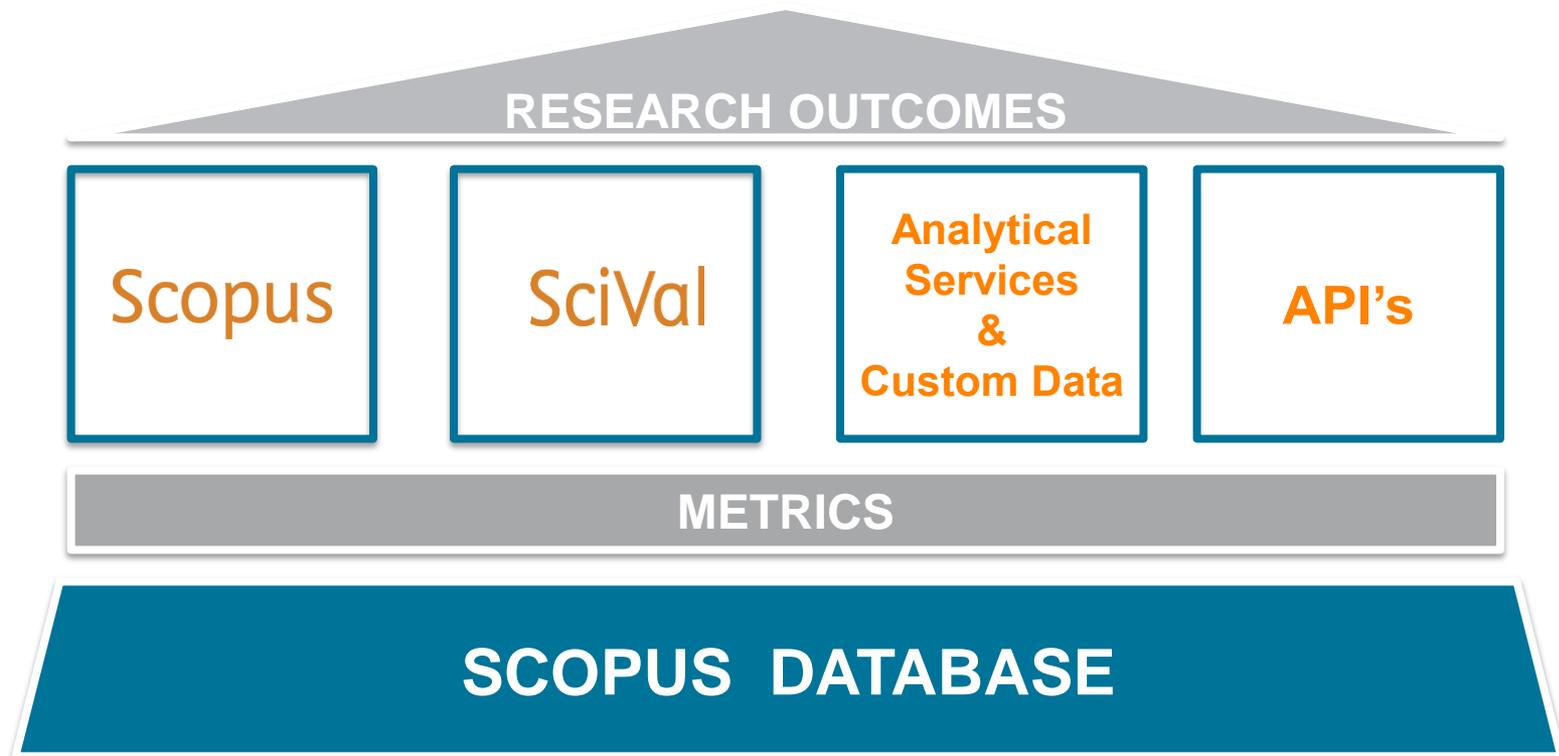
The largest abstract and citation database of peer-reviewed literature; the broadest source of global scientific research. Includes content from 5,000 publishers with tools to easily track, analyze and visualize research.

A free reference manager and academic social network that can help researchers organize research, collaborate with others online, discover the latest research, and see meaningful trends in global research activity.

Informs research strategy

Supports research activity

One common database with different applications on top



What content does Scopus include?

58.3M records from 22,245 serial titles and over 94,900 books

21.6M pre 1996 records | 36.7M post 1995 records

- Content from > 5,000 publishers
- “Articles in Press” from >5,000 titles
- Titles from 105 different countries in all geographical regions
- 40 “local” languages covered
- More than 3,780 Gold Open Access journals indexed



Scopus is ideal compared to other products because it has the broadest coverage of global, curated, relevant research, with smart, simple tools to help track, analyze and visualize research.

Different source types to ensure coverage in all subject fields

JOURNALS

Physical Sciences
11,591

22,245 peer-reviewed journals
362 trade journals

Health Sciences
12,862

- Full metadata, abstracts and cited references (ref's post-1995 only)
- Pre-1996 cited ref's expansion **>4M** out of 12M
- Going back to 1823
- Funding data from acknowledgements

Social Sciences
9,633

Life Sciences
6,276



CONFERENCES

85,5K events
7.0M records (12%)

Conf. expansion (2005 – 2013)

1,017 conferences
6,022 conf. events
410K conf. papers
5M citations

Mainly Engineering and Physical Sciences



BOOKS

521 book series
- **28K** Volumes
- **1.1M** items

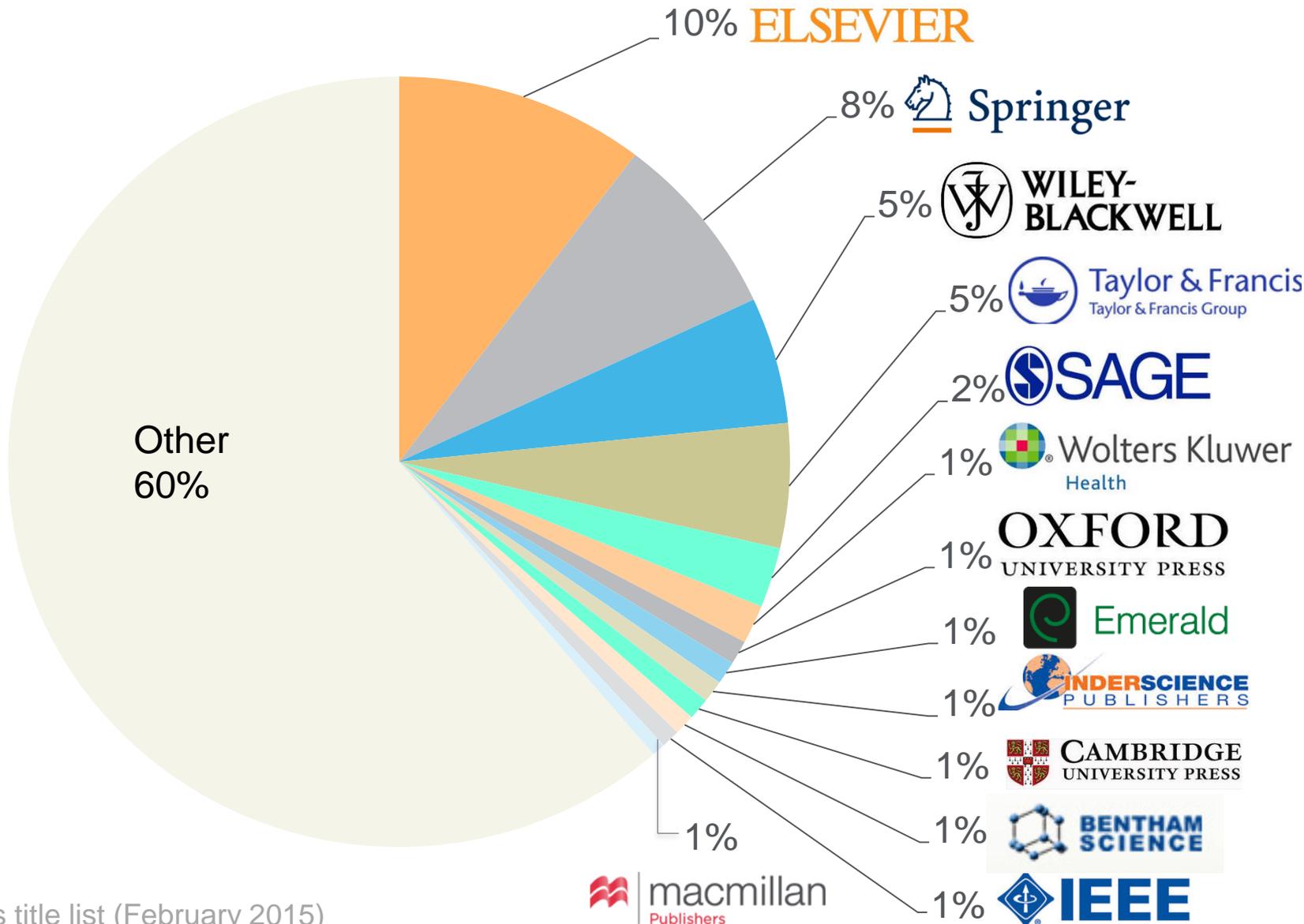
94,919 stand-alone books
- **765K** items

Books expansion:
120K books by 2015
- Focus on Social Sciences and A&H



Different source types are added to ensure that coverage, discoverability, profiles and impact measurement for research in all subject fields is accounted for in Scopus.

Ratio of titles per Publisher in Scopus



Source: Scopus title list (February 2015)

High quality journals due to selection by the independent Content Selection & Advisory Board (CSAB)



The CSAB is chosen for their expertise in specific subject areas; many have (journal) Editor experience

Focus on quality through content selection by the independent CSAB, because:

- Provide accurate and relevant search results for users
- No dilution of search results by irrelevant or low quality content
- Support that Scopus is recognized as authoritative
- Support confidence that Scopus “reflects the truth”

Transparent Scopus selection criteria for serial content

1. **All titles should meet all minimum criteria in order to be considered for Scopus review:**

Peer-review

English
abstracts

Regular
publication

Roman script
references

Pub. ethics
statement

2. **Eligible titles are reviewed by the Content Selection & Advisory Board according to a combination of 14 quantitative & qualitative selection criteria grouped in 5 categories:**

Journal Policy

Quality of Content

Journal Standing

Regularity

Online Availability

3. **As a primary publisher and information aggregator, Elsevier understands the needs of Authors, Editors and Publishers and provides resources to support the community:**

Review comments
from CSAB

FAQs

Publication ethics
resources

Publishing
services

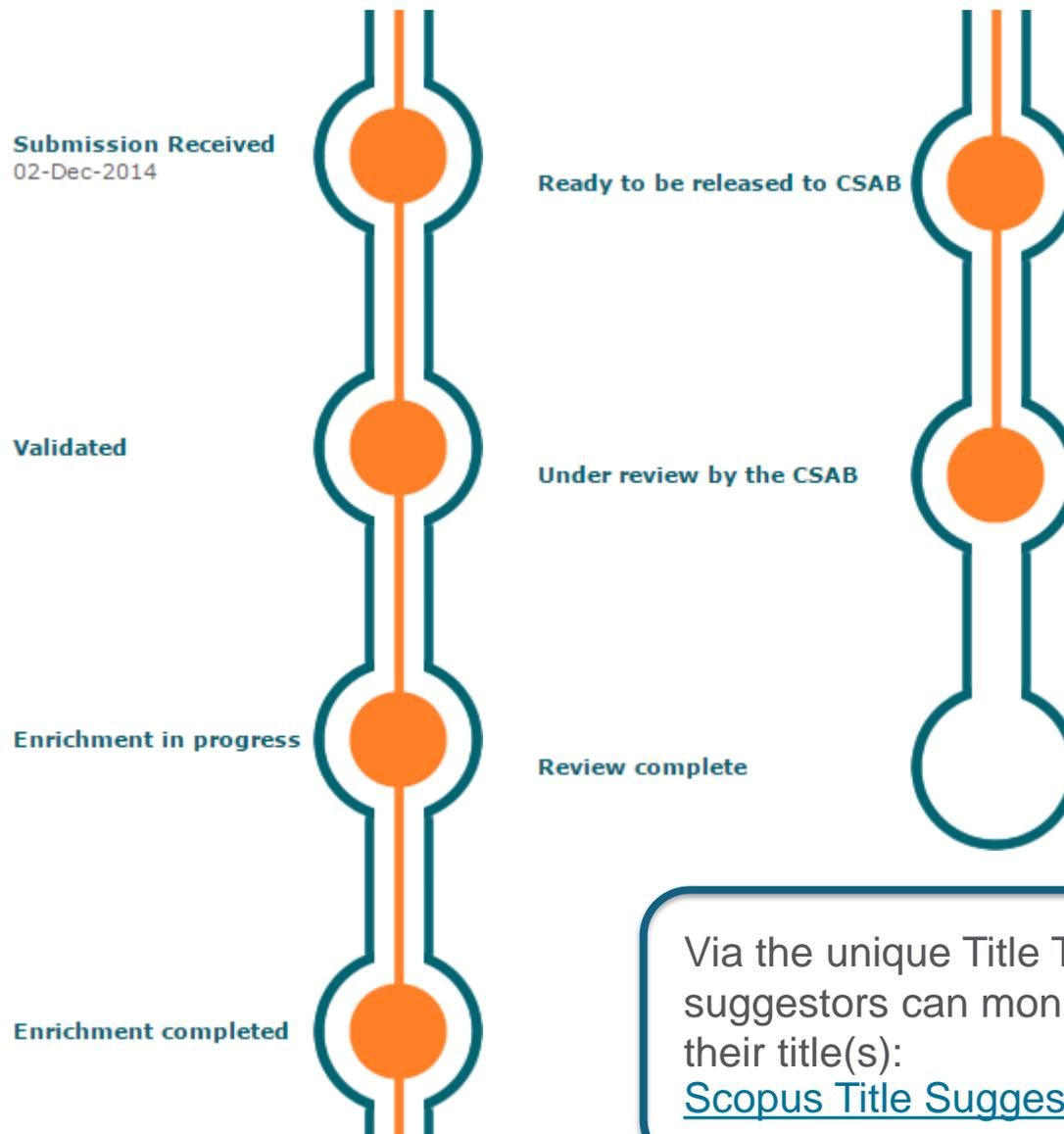
Research Trends,
Editor Update
newsletters

Continuous review process using the online Scopus Title Evaluation Platform (STEP)

Info: <http://www.elsevier.com/online-tools/scopus/content-overview>

Questions: titlesuggestion@scopus.com

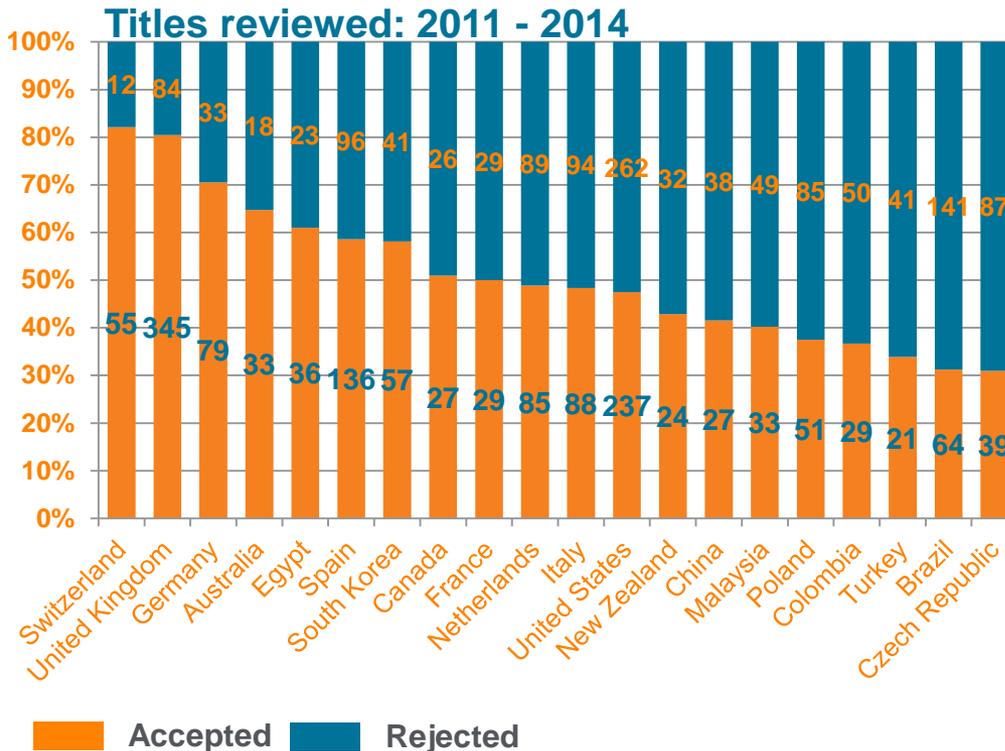
How to keep track of your suggested title?



Scopus title review results and resources

In total 4,593 titles reviewed (2011 –2014) of which 2,080 (31%) accepted for Scopus

Collaborations for local content selection & advisory boards:



New local boards in 2015:

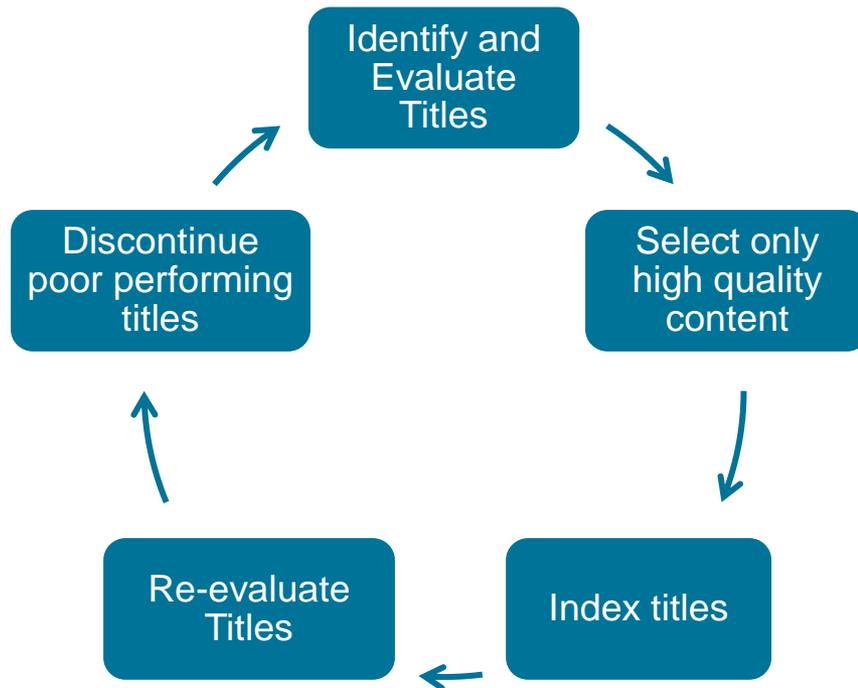


Local pro-active content suggestion initiatives:



Curation matters: re-evaluation

Our customers demand it. Our business depends on it



- **Annual rolling initiative:**
 - **Identify** and notify **underperforming journals**
 - One year to improve quality based on **metrics** & set **benchmarks** (output, usage, citations, self-citations)
 - If red flag remains, the journal will be reviewed by the CSAB with the possible consequence of **discontinuation** in Scopus
- **Incentive** for continuous journal performance
- Launch Q1 2015, re-evaluation to start Q1 2016

The re-evaluation process is essentially a rigorous housekeeping exercise designed to ensure that the journal content in Scopus meets the high standards we and our customers now demand.

Re-evaluation: metrics and benchmark

Metric	Benchmark	Explanation
Self-citations	200%	The journal has a self-citation rate two times higher, or more, when compared to peer journals in its subject field.
Citations	50%	The journal received half the number of citations, when compared to peer journals in its subject field.
Impact Per Publication	50%	The journal has an IPP score half or less than the average IPP score, when compared to peer journals in its subject field.
Article Output	50%	The journal produced half, or less, the number of articles, when compared to peer journals in its subject field.
Abstract Usage	50%	The journal's abstract are used half as much, or less, when compared to peer journals in its subject field.
Full Text Links	50%	The journal's full text are used half as much, or less, when compared to peer journals in its subject field.

Important: Journals are only up for Re-evaluation if the journal underperforms in **all 6 metrics**. If 1 improves, journal will be taken off the Re-evaluation list

Comparison with nearest peer

Scopus

~22K titles

>5,000 publishers

Updated daily

Scopus
22,245

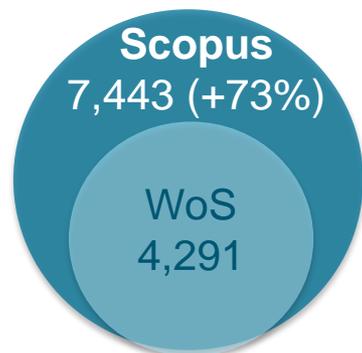
Web of Science
12,140

WEB OF SCIENCE™

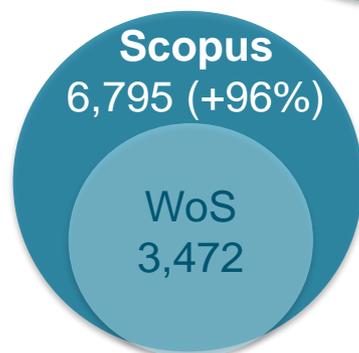
~12K titles (Core Collection)

3,300 publishers

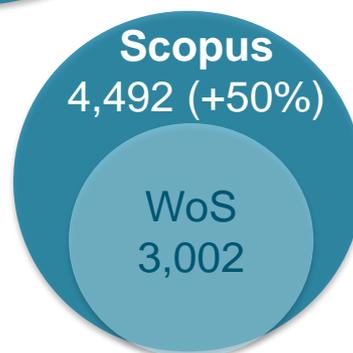
Updated weekly



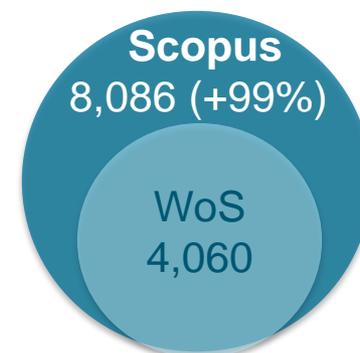
Physical Sciences



Health Sciences

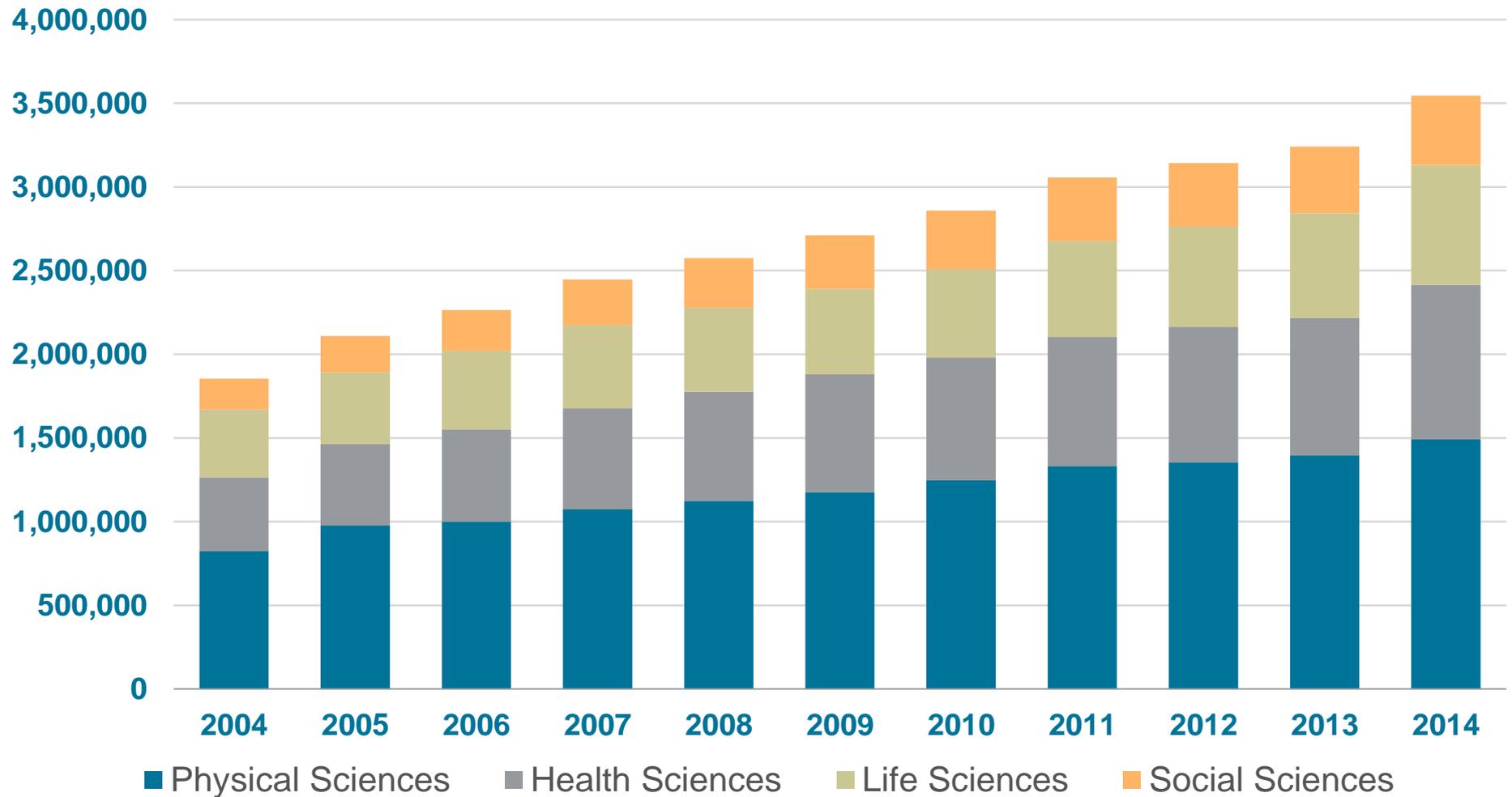


Life Sciences



Social Sciences

Scopus article growth over years



Source: Scopus data March 2015

Comparison with nearest peer

Scopus

~22K titles

>5,000 publishers

Updated daily

Scopus
22,245

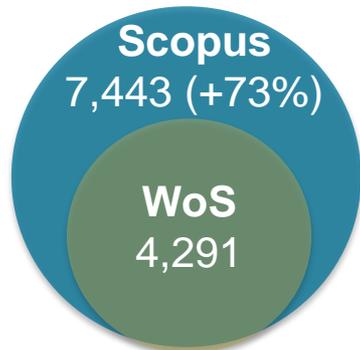
Web of Science
12,140

WEB OF SCIENCE™

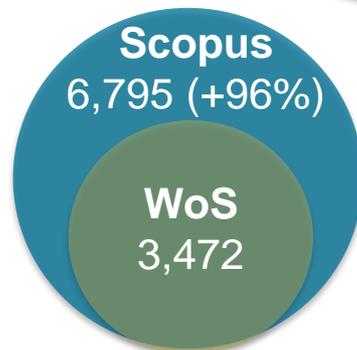
~12K titles (Core Collection)

3,300 publishers

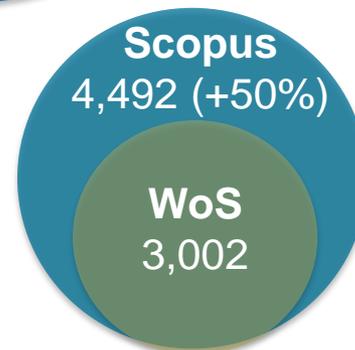
Updated weekly



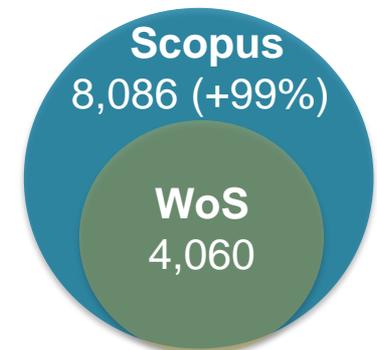
Physical Sciences



Health Sciences

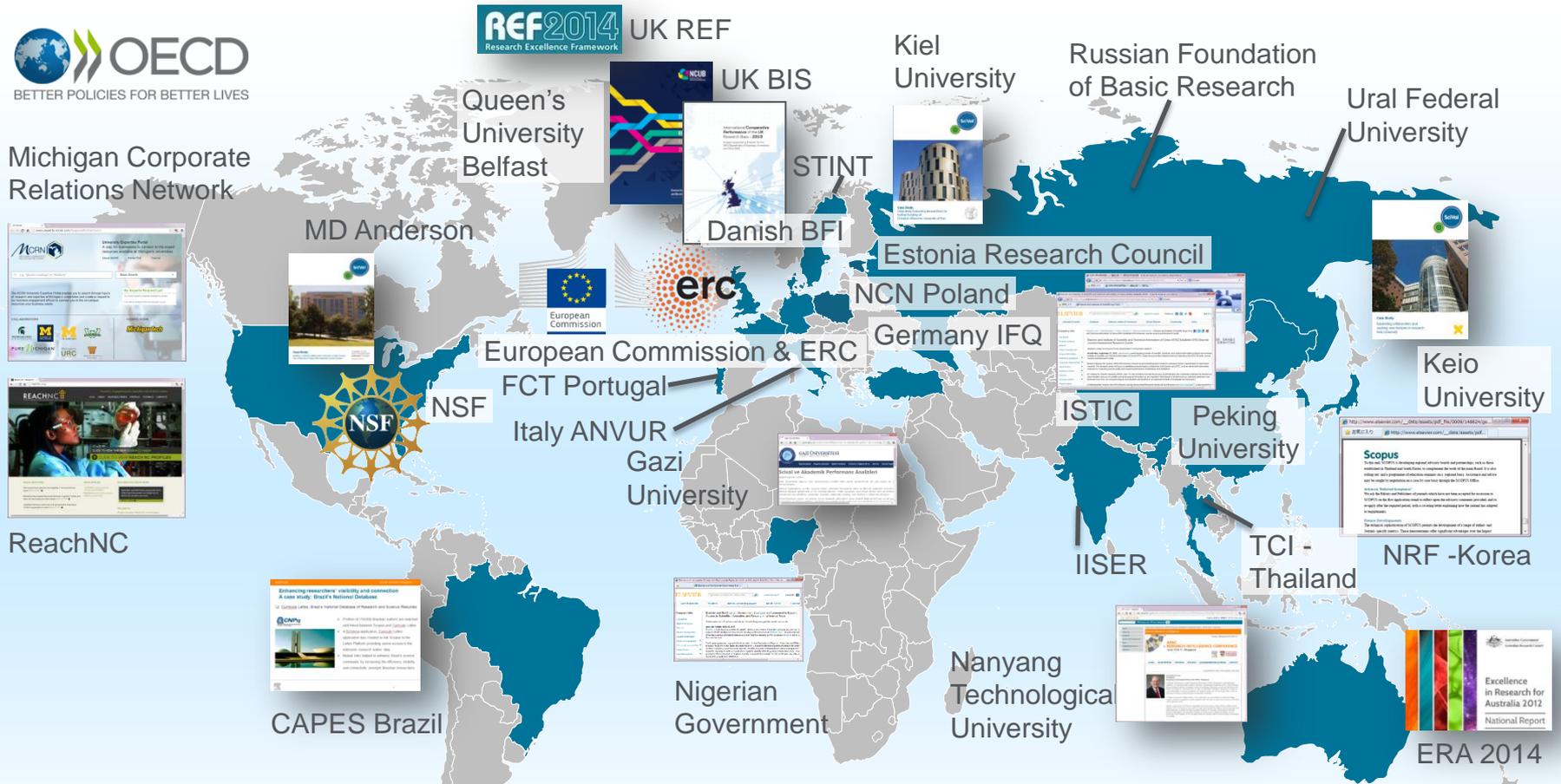


Life Sciences



Social Sciences

Scopus is the Gold standard: more than 150 leading research organizations rely on Scopus data

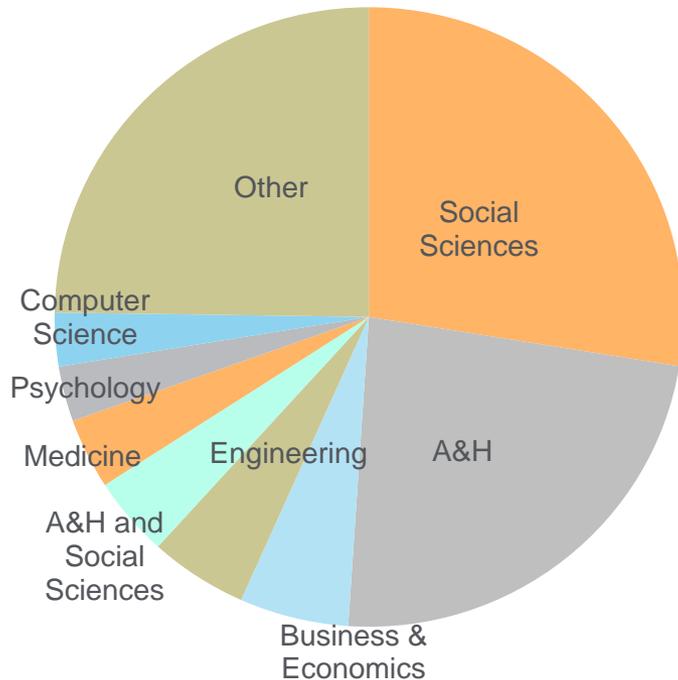
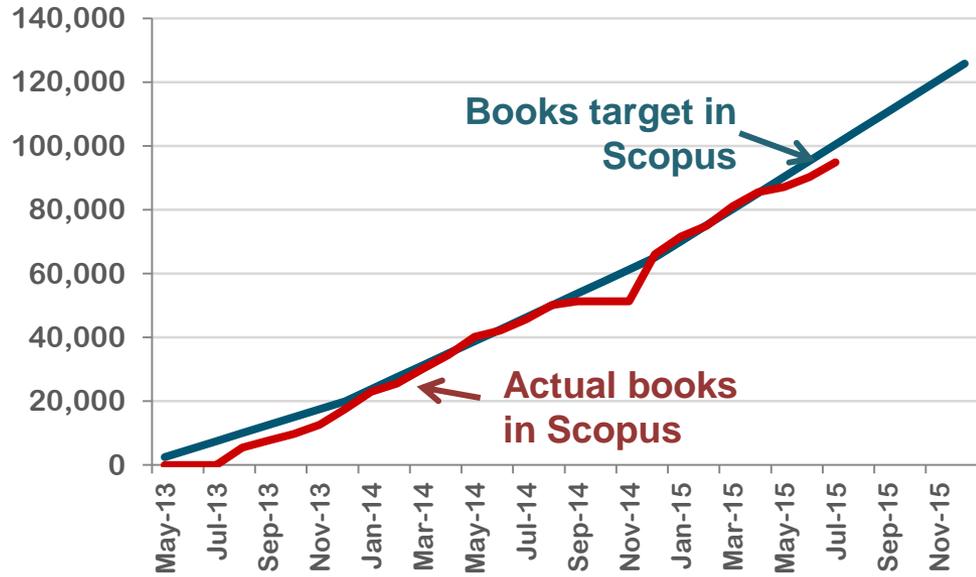


Rankings:



Books expansion program

- Coverage years**
 - Back to 2005 (2003 for A&H)
- Number of books**
 - 120,000 by the end of 2015; at least 20,000 each year thereafter
- Book types**
 - Monographs, edited volumes, major reference works, graduate level text books



Document Type

- Book Chapter (621,023)
- Book (94,919)

(plus ± 26K book Volumes from series)

All major publishing houses are part of the Books expansion program, adding up to a total of ±40 publishers who are contributing

Journal and Article Level Metrics

More accuracy, transparency, more metrics

About SJR

SCImago Journal Rank is a prestige metric based on the idea that not all citations are the same.

[Learn more](#)

About SNIP

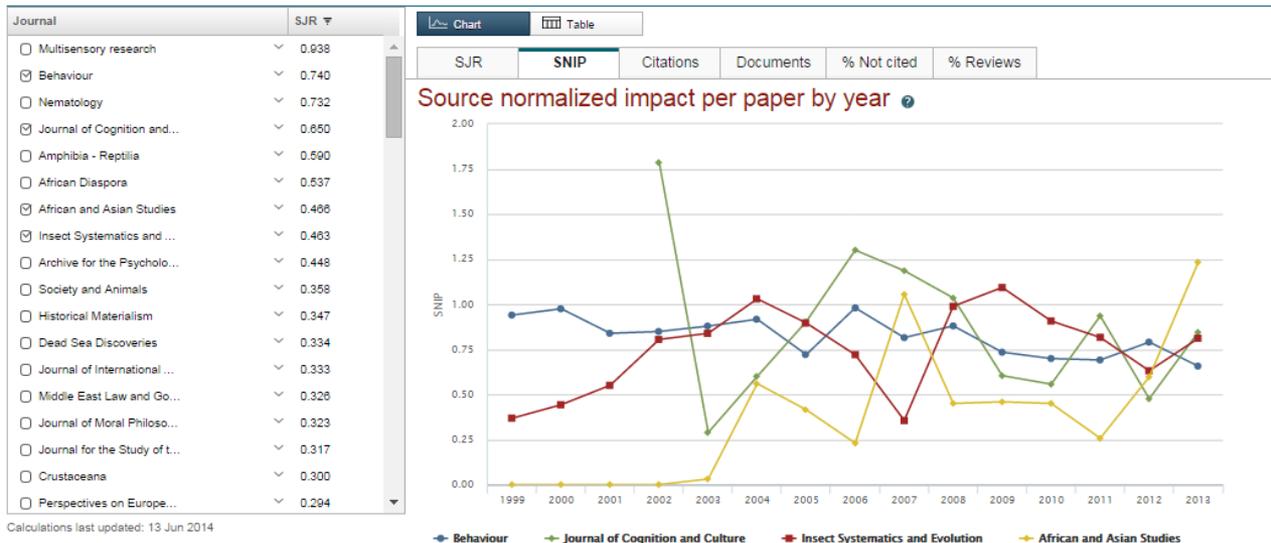
Source Normalized Impact per Paper measures contextual citation impact by weighting citations based on the total number of citations in a subject field.

[Learn more](#)

About IPP

The Impact per Publication measures the ratio of citations per article published in the journal.

[Learn more](#)



Journal Metrics
www.journalmetrics.com/

Note: Scopus does not have complete citation information for articles published before 1990. Calculations last updated: 13 Jun 2014

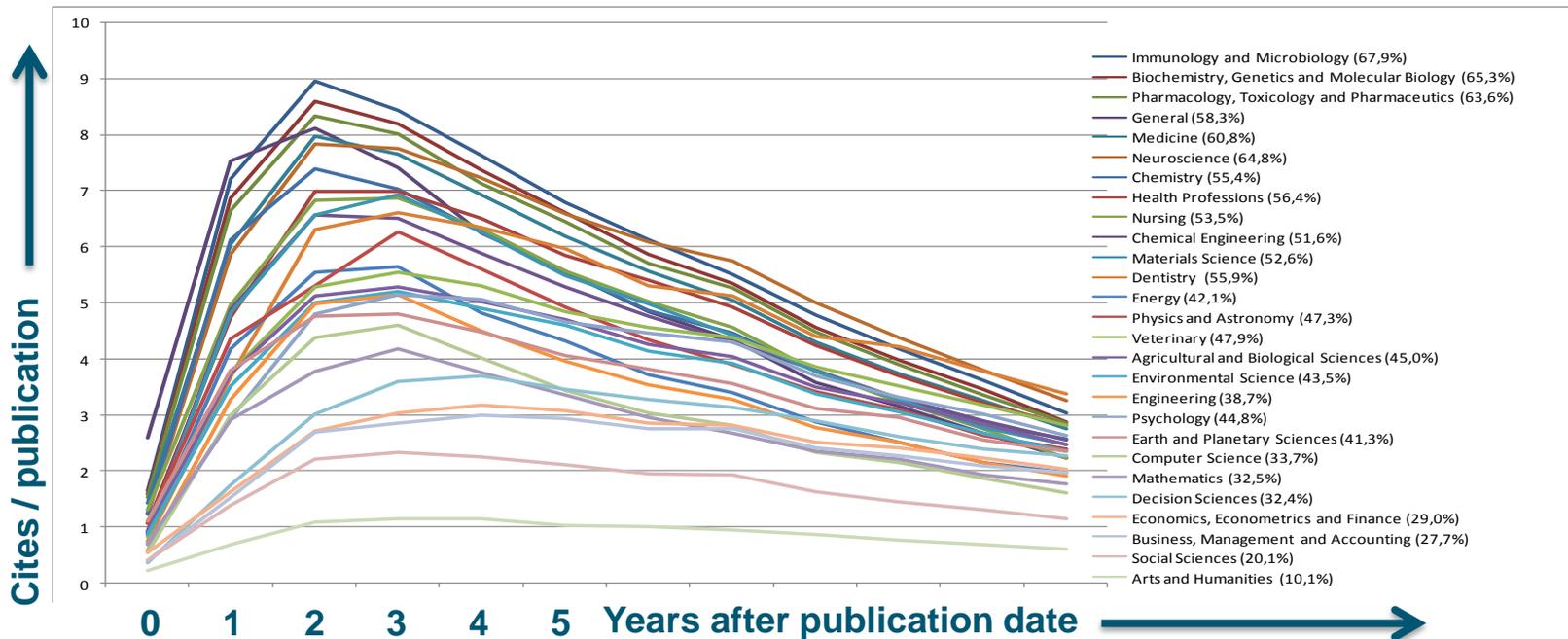
IPP: Impact per Publication

All journals have a **Impact per Publication (IPP)** measuring the ratio of citations per article published in the journal

- Peer-reviewed papers (Article, Review and Conference Paper) only
- Three year citation window

Citations in Year Y to papers published in Y-1 to Y-3

Papers published in Y-1 to Y-3



SNIP: Source-normalized impact per paper

All journals have a **Source-normalized impact per paper** (SNIP) measuring contextual citation impact by weighting citations per subject field

- Peer-reviewed papers only
- Three year citation window
- Field's frequency and immediacy of citation
- Database coverage
- Journal's scope and focus
- Measured relative to database median

Impact per Publication (IPP)

Citations potential in its
subject field

Journal	IIP	Citation Potential	SNIP (IIP/Citation Potential)
Inventiones Mathematicae	1.5	0.4	3.8
Molecular Cell	13.0	3.2	4.0

SJR: SCImago Journal Rank

All journals have a **SCImago Journal Rank (SJR)** a prestige metric based on the idea that not all citations are equal

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

Integration of article level metrics into Scopus

Spontaneous knotting of an agitated string [Back to article](#)

Raymer D.M., Smith D.E.
(2007) Proceedings of the National Academy of Sciences of the United States of America, 104(42), pp. 16432-16437

Overview

Citations

Scholarly Activity
Mendeley, CiteULike, etc.

Scholarly Commentary
Blogs, Reviews, Wikipedia, etc.

Mass Media

Social Activity
Twitter, Facebook, etc.

Overview

<p>Citation Count</p> <p>36</p> <p>Cited by in Scopus</p>	<p>Field-Weighted Citation Impact</p> <p>0.65</p>	<p>Citation Benchmarking</p> <p>74th percentile</p> <p>Compared to Multidisciplinary articles of the same age</p>	<p>Mendeley</p> <p>136 Readers</p>	<p>Mass Media</p> <p>11 Items</p>	<p>Blogs</p> <p>8 Posts</p>	<p>Q&A sites</p> <p>1 Post to Q&A site</p>	<p>Twitter</p> <p>1630</p>	<p>4 Other sources</p> <p>83 Mentions</p>
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Engagement highlights

Scholarly Activity - 140 readers from 2 sources

Downloads and posts in common research tools

Mendeley: 136 Readers
Top Discipline: Physics
Top Demographic: Ph D Student
[Save to Mendeley](#)

CiteULike: 4 Saves

Social Activity - 1713 mentions from 5 sources

Mentions characterized by rapid, brief engagement on platforms used by the general population, such as Twitter, Facebook, and Google +.

1630 tweets from 1597 accounts 6 Reddit posts from 6 accounts
 41 Facebook posts from 40 accounts 1 pin from 1 account
 35 Google+ posts from 34 accounts

[Benchmark highlights](#)

Integration of article level metrics into Scopus

- Overview
- Citations**
- Scholarly Activity
Mendeley, CiteULike, etc.
- Scholarly Commentary
Blogs, Reviews, Wikipedia, etc.
- Mass Media
- Social Activity
Twitter, Facebook, etc.

Citations

36 Cited by documents

Citation Count 

36

Cited by in Scopus 

Field-Weighted Citation Impact 

0.65

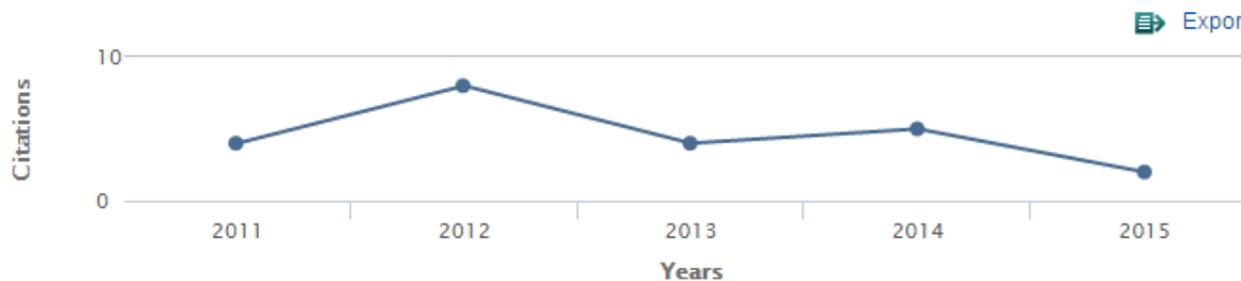


Citation Benchmarking 

74th percentile 

Compared to Multidisciplinary articles of the same age 

Cited by



36 Citations

Date range: to

- Exclude self citations
- Exclude citations from books

Edit the data for this graph.

Update

Benchmarking

Measures of activity relative to specific research domains, based on cited by in Scopus

Compared to Multidisciplinary articles of same age

All Citations  74TH PERCENTILE

Integration of article level metrics into Scopus

Overview	Citations	Scholarly Activity Mendeley, CiteULike, etc.	Scholarly Commentary Blogs, Reviews, Wikipedia, etc.	Mass Media	Social Activity Twitter, Facebook, etc.
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Scholarly Activity

140 readers from 2 sources

Indirect measurement of activity by people using scholarly platforms such as Mendeley and CiteULike.

Mendeley 

136 Readers [Save to Mendeley](#)

CiteULike 

4 Saves

Mendeley Reader demographics

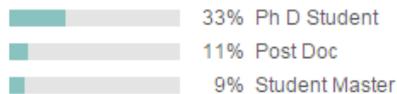
[View publication in Mendeley](#)

By discipline



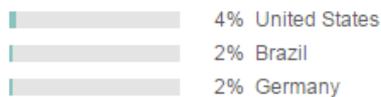
[View all](#)

By academic status

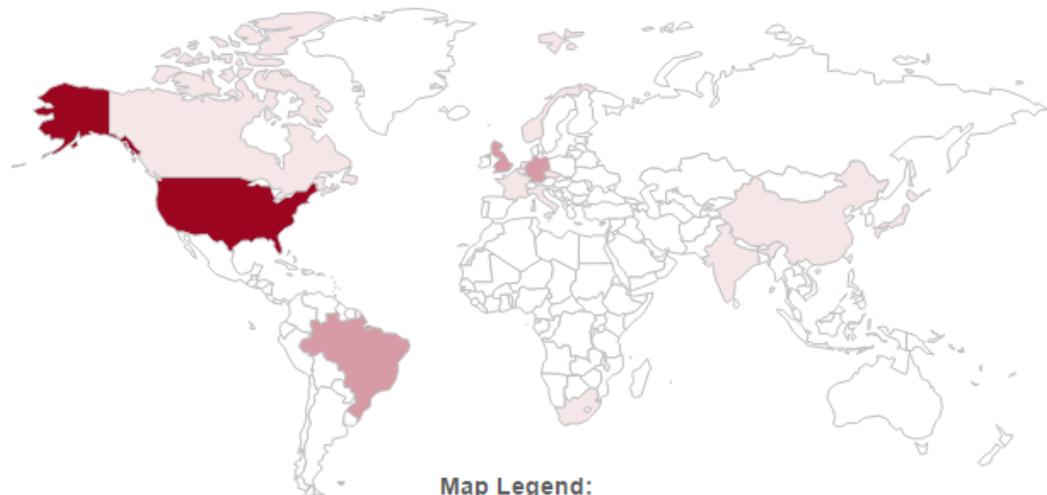


[View all](#)

By country



[View all](#)



Map Legend:



Open Access (OA) Journal indicator

Scopus

Scopus | SciVal | Library catalogue | Susanne Steingra ▼

Search

Alerts

My list

Only serial source titles are included in this list. For non-serial content such as books and monographs, please use Document Search.

Search

Search

Display only Open Access journals

Browse

Subject Area

Source Type All Sources Trade Publications Journals
 Conference Proceedings Book Series

Subscription All subscriptions Subscribed Non-subscribed

Open Access Display only Open Access journals

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
 Ac Ai Am An Ar As At Au Av | All

- OA in Scopus = **Gold Open Access** and registered at [DOAJ](#) / [ROAD](#)
- Currently: out of >21,000 journals = **4,240 OA**
- OA list **updated 3-4x per year**
- Search via **Browse Sources** (journal page)
 - On **Journal level** only
 - Not present in Article Results page yet
- **Future** hopes: cover OA on **article level**

Journal Analyzer – Compare Journals

Document search | Author search | Affiliation search | Advanced search Browse Sources **Compare journals**

Search for... *Eg., "heart attack" AND stress* Article Title, Abstract, Keywords

+ Add search field

Limit to:

Compare journals Search for and choose up to 10 journals to analyze and compare.

addiction| Journal Title Limit to: All Subject areas

Show: SJR SNIP ISSN

- **Quick, easy access to an objective and transparent overview of the performance of your own and your competitors' journals over time**
- Compare up to 10 sources on a variety of parameters (SNIP, SJR, Citations, Documents, Percentage Not-Cited, Percentage Review)
- Provide access to a transparent and objective overview of the journal landscape going back to 1996

Journal Analyzer

16 sources found [About Compare journals calculations](#)



Key take-away: Use the analyser to Benchmark and compare

Analyze results

- A tool launched in 2012, providing helpful graphics and table displays to gain more insight into search results
- Measures quantity: # documents on 7 parameters

Scopus Steven Riddell | Logout Brought to you by Scopus Team

Search | Alerts | My list | Settings Live Chat | Help and Contact | Tutorials | Library catalogue

TITLE-ABS-KEY (dung beetles) [Edit](#) [Save](#) [Set alert](#) [Set feed](#)

1,432 document results [View secondary documents](#) [View 2 patent results](#) [Search your library](#) **Analyze search results** Sort on: Date Cited by Relevant

Search within results... [Export](#) [Download](#) [View citation overview](#) [View Cited by](#) [More...](#) Show all a

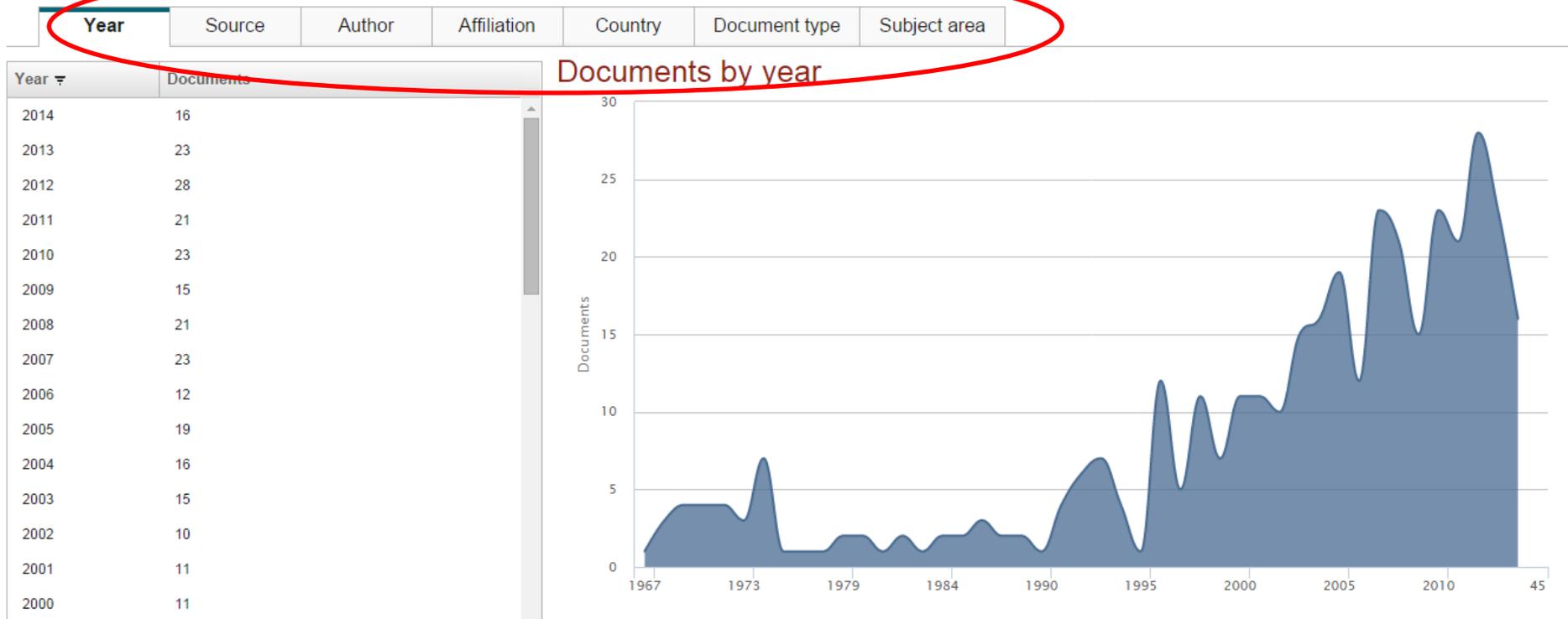
Refine					
<input type="checkbox"/> 2014 (77)	<input type="checkbox"/> Effects of forest fragmentation on dung and carrion beetle communities in central Amazonia	Klein, B.C.	1989	Ecology	341
<input type="checkbox"/> 2013 (104)	View at Publisher				
<input type="checkbox"/> 2012 (96)	<input type="checkbox"/> Extinction order and altered community structure rapidly disrupt ecosystem functioning	Larsen, T.H., Williams, N.M., Kremen, C.	2005	Ecology Letters	200
<input type="checkbox"/> 2011 (97)	Full Text View at Publisher				
<input type="checkbox"/> 2010 (95)	<input type="checkbox"/> Environmental control of horn length dimorphism in the beetle <i>Onthophagus acuminatus</i> (Coleoptera: Scarabaeidae)	Emlen, D.J.	1994	Proceedings of the Royal Society B: Biological Sciences	195
<input type="checkbox"/> 2009 (80)	Full Text View at Publisher				
<input type="checkbox"/> 2008 (77)	<input type="checkbox"/> Alternative reproductive tactics and male-dimorphism in the horned beetle <i>Onthophagus acuminatus</i> (Coleoptera: Scarabaeidae)	Emlen, D.J.	1997	Behavioral Ecology and Sociobiology	186
<input type="checkbox"/> 2007 (76)	Full Text View at Publisher				
<input type="checkbox"/> 2006 (60)	<input type="checkbox"/> Environmental reconstruction of a Roman period settlement site in Uitgeest (the Netherlands), with special reference to coprophilous fungi	van Geel, B., Buurman, J., Brinkkemper, O., (...), van Reenen, G., Hakbijl, T.	2003	Journal of Archaeological Science	171
<input type="checkbox"/> 2005 (68)	View at Publisher				
Author Name	<input type="checkbox"/> Ecological functions and ecosystem services provided by Scarabaeinae dung beetles	Nichols, E., Spector, S., Louzada, J., (...), Amezcuita, S., Favila, M.E.	2008	Biological Conservation	159
<input type="checkbox"/> Scholtz, C.H. (79)	6				
<input type="checkbox"/> Lobo, J.M. (53)					
<input type="checkbox"/> Simmons, L.W. (47)					
<input type="checkbox"/> Lumaret, J.P. (42)					

Key take-away: Use Scopus to identify new and interesting areas of research

Analyze results

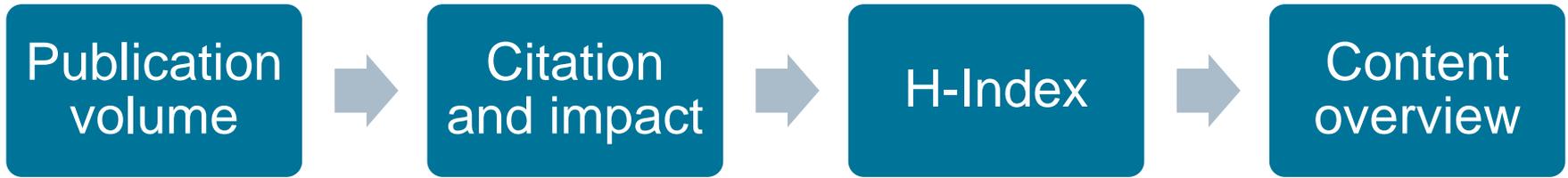
7 parameters to choose from: Year, Source title, Author name, Affiliation name, Country, Document type and Subject area

370 document results. Choose date range to analyze: 1967 to 2014 Analyze



Key take-away: Analyse search results to provide high level detail

Scopus Author Profile Page – reviewers or potential authors



Scopus Steven Riddell | Logout

Search | Alerts | My list | Settings Live Chat | Help and Contact | Tutorials | Library catalogue Brought to you by Scopus Team

i The Scopus Author Identifier assigns a unique number to groups of documents written by the same author via an algorithm that matches authorship based on a certain criteria. If a document cannot be confidently matched with an author identifier, it is grouped separately. In this case, you may see more than 1 entry for the same author.

Print | E-mail

Larsen, Trond H. About Scopus Author Identifier | View potential author matches

Science and Knowledge Division, Arlington, United States
 Author ID: 8589341000 Other name formats: Larsen, Larsen, T. H., Larsen, Trond, View More

Documents: 20 Analyze author output

Citations: 765 total citations by 530 documents View citation overview

h Index: 10 The *h* Index considers Scopus articles published after 1995. View *h*-Graph

Co-authors: 58

Subject area: Environmental Science, Agricultural and Biological Sciences View More

Follow this Author

Receive emails when this author publishes new articles

- Get citation alerts
- Add to ORCID
- Request author detail corrections

20 Documents | Cited by 530 documents since 1996 | 58 co-authors

20 documents Sort on: Date Cited by

Export all | Add all to my list | Set document alert | Set document feed

Land-sharing versus land-sparing logging: Reconciling timber extraction with biodiversity conservation	Edwards, D.P., Gilroy, J.J., Woodcock, P., (...), Hamer, K.C., Wilcove, D.S.	2014	Global Change Biology	4
Does logging and forest conversion to oil palm agriculture alter functional diversity in a biodiversity hotspot?	Edwards, F.A., Edwards, D.P., Larsen, T.H., (...), Wilcove, D.S., Hamer, K.C.	2014	Animal Conservation	4

Author History

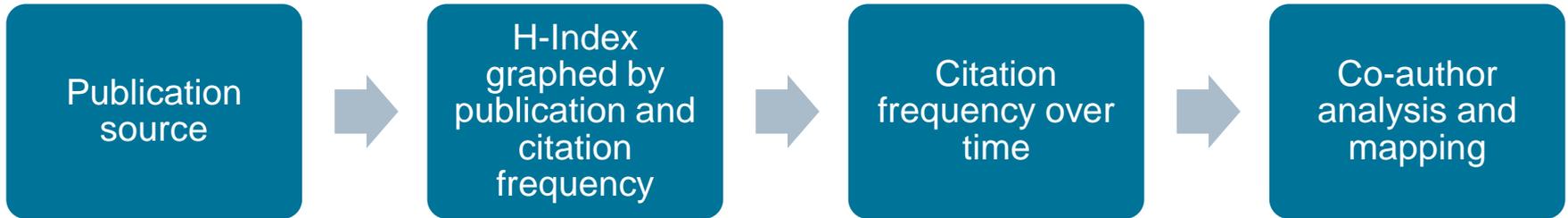
Publication range: 2005 - Present
 References: 830

Source history:

- Ecology Letters View documents
- Ecology View documents
- Biotropica View documents

Key take-away: Use author searches to find reviewers and authors

Author Evaluator - Author/Review deep dive



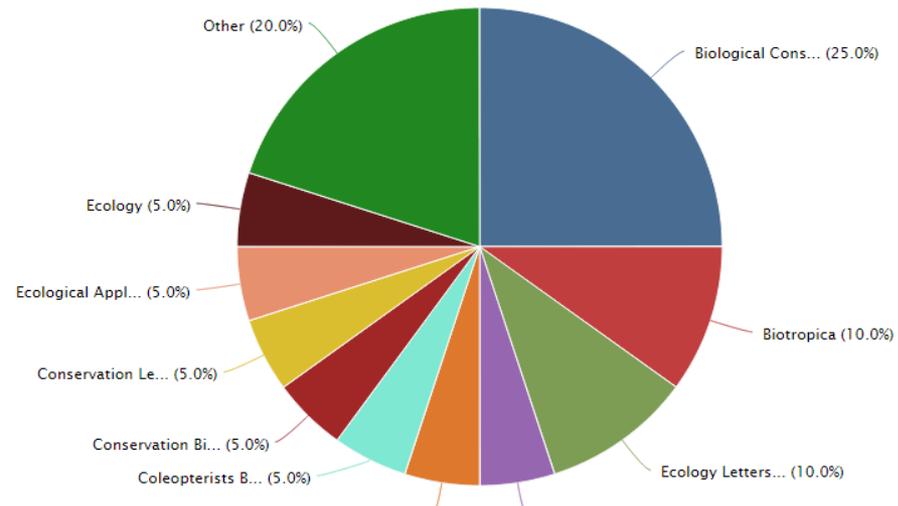
Larsen, Trond H. [Back to author details page](#)
 Science and Knowledge Division, Arlington, United States
 Author ID:8589341000

Documents (20) | h Index (10) | Citations (763) | Co-authors (58)

by source | by type | by year | by subject area

Source	Documents ▾
Biological Conservation	5
Biotropica	2
Ecology Letters	2
Animal Conservation	1
Biology Letters	1
Coleopterists Bulletin	1
Conservation Biology	1
Conservation Letters	1
Ecological Applications	1
Ecology	1
Global Change Biology	1
Insect Conservation and Diversity	1
Plos One	1
Proceedings of the Royal Society	1

Documents by source



Key take-away: Use the Author Evaluator to gain the best insight into a potential reviewer or author

Citation Overview – Authors

Larsen, Trond H.

Science and Knowledge Division, Arlington, United States

Author ID: 8589341000

Documents: 20

Citations: 765 total citations by 530 documents

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Co-authors: 58

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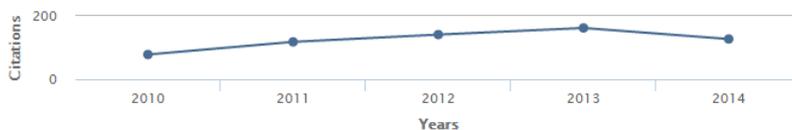
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Date range: 2010 to 2014

- Exclude self citations of selected author
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- Exclude Citations from books

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Documents

Citations

Sort on: [Date \(newest\)](#) [Citation count \(descending\)](#) [...](#)

		<2010	2010	2011	2012	2013	2014	Subtotal	>2014	Total
	Total	139	78	118	141	162	127	626	0	765
1	Land-sharing versus land-sparing logging: Reconciling timber...						4	4		4
2	Does logging and forest conversion to oil palm agriculture a...						4	4		4
3	Reliable, verifiable and efficient monitoring of biodiversity...						10	10		10
4	Elevational Distribution and Conservation Biogeography of Ph...					1	1	2		2

Citation frequency over time

Citation by journal

“Self citation”

Key take-away: Use the Citation Overview to track author output and output impacts over time

Summary

- Scopus has **broad coverage** providing the most accurate view of the global research landscape.
- Scopus has a **transparent content selection** process executed by the independent Content Selection & Advisory Board.
- Scopus is working on **content expansion programs** to ensure that coverage, discoverability, profiles and impact measurement for research in all subject fields is accounted for in Scopus.
- **Journal and article level metrics** are available in Scopus and help researchers and research organizations to evaluate research and researchers.
- Scopus and Scopus data is being **used by researchers, publishers and leading institutions** to inform decisions about research output and research assessment.

