



UNIVERSITAS GADJAH MADA



Scopus

Training for Universitas Gadjah Mada

Alexander van Servellen

Consultant, Research Management (SEA)

Elsevier Singapore

Indonesia

August 31st, 2016

Empowering Knowledge

Who am I?



Alexander van Servellen

- From the Netherlands but currently live in Singapore
- MSc in Developmental Psychology University of Amsterdam
- Work with Elsevier since 2006
- Authored studies about research performance for universities and governments
- Involved in teaching people how to make good use of metrics and tools (Scopus, SciVal, Pure etc.)
- I am passionate about the potential science has to transform the world within our life-time

Agenda

1. Introduction
2. Content in Scopus
3. Use cases for researchers
4. Analytical tools & metrics

Introduction

Scopus is the world's largest
abstract and citation database of
peer-reviewed scientific literature

Introducing Scopus

Scopus is the largest abstract and citation database of peer-reviewed research literature from around the world.

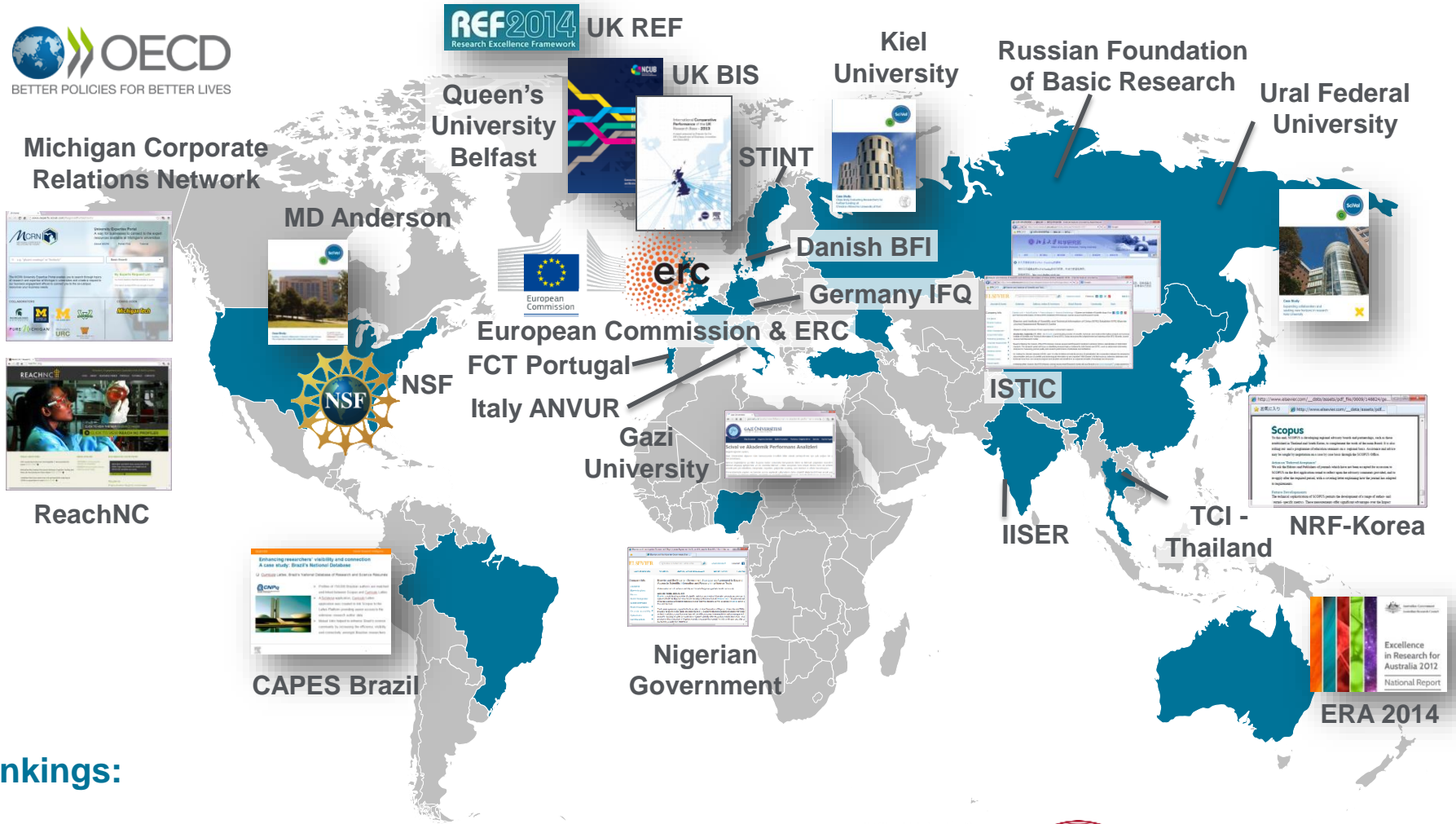
Over 22,000 titles from more than 5,000 international publishers and 105 different countries

Over 61 million records, 24 million patents from 5 patent offices worldwide

All content is vigorously vetted by an independent, 15-person, international board of experts called the Content Selection and Advisory Board (CSAB)

More than 3,000 customers worldwide in all geographic regions

QS and THE are not alone: More than 3500 organizations, including more than 150 research organizations, rely on Scopus data



Rankings:



World university rankings – QS

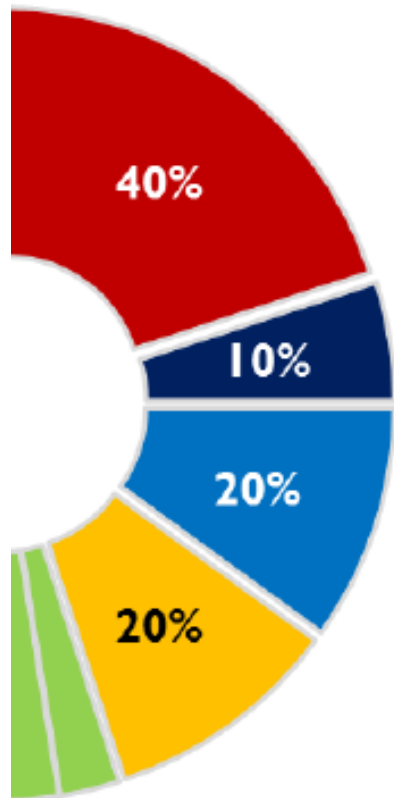
University Rankings use a combination of expert opinion (surveys) and objective data (including from Scopus)

QS

QS World University Rankings – <http://www.topuniversities.com/university-rankings/world-university-rankings>

Published since 2004 by Quacquarelli Symonds

Formerly (until 2009) produced with Times Higher Education as *THE-QS World University Rankings*



Academic reputation (40%)

From QS Global Academic Survey with almost 63,700 responses for 2014/15

Employer reputation (10%)

From QS Global Employer Survey with 28,800 responses for 2014/15

Citations per faculty (20%)

Citation counts from last five years considered
Citation data source: Scopus
Author self-citations excluded
Normalised by staff FTE figures

Publication and citation data from Scopus is used

Scopus

Faculty/student ratio (20%)

FTE values used for faculty and students

International students (5%)

Proportion of students that are international

International faculty (5%)

Proportion of faculty that are international

World university rankings – THE

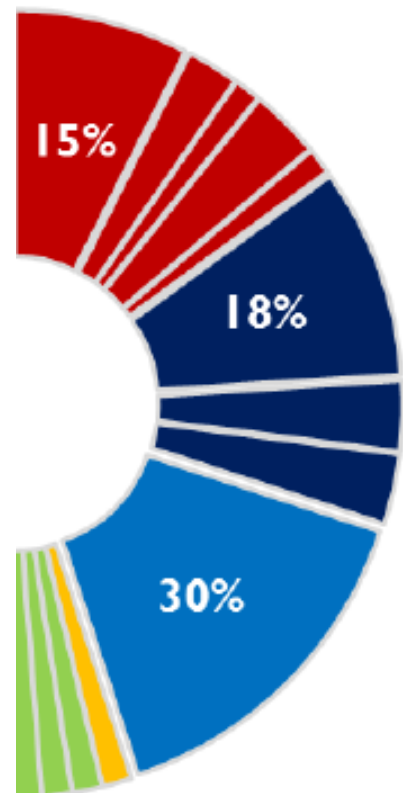
University Rankings use a combination of expert opinion (surveys) and objective data (including from Scopus)

THE

THE World University Rankings – <http://www.timeshighereducation.co.uk/world-university-rankings/>

Published since 2010 by the Times Higher Education

Broke away from the QS-partnered rankings prior to 2010 edition



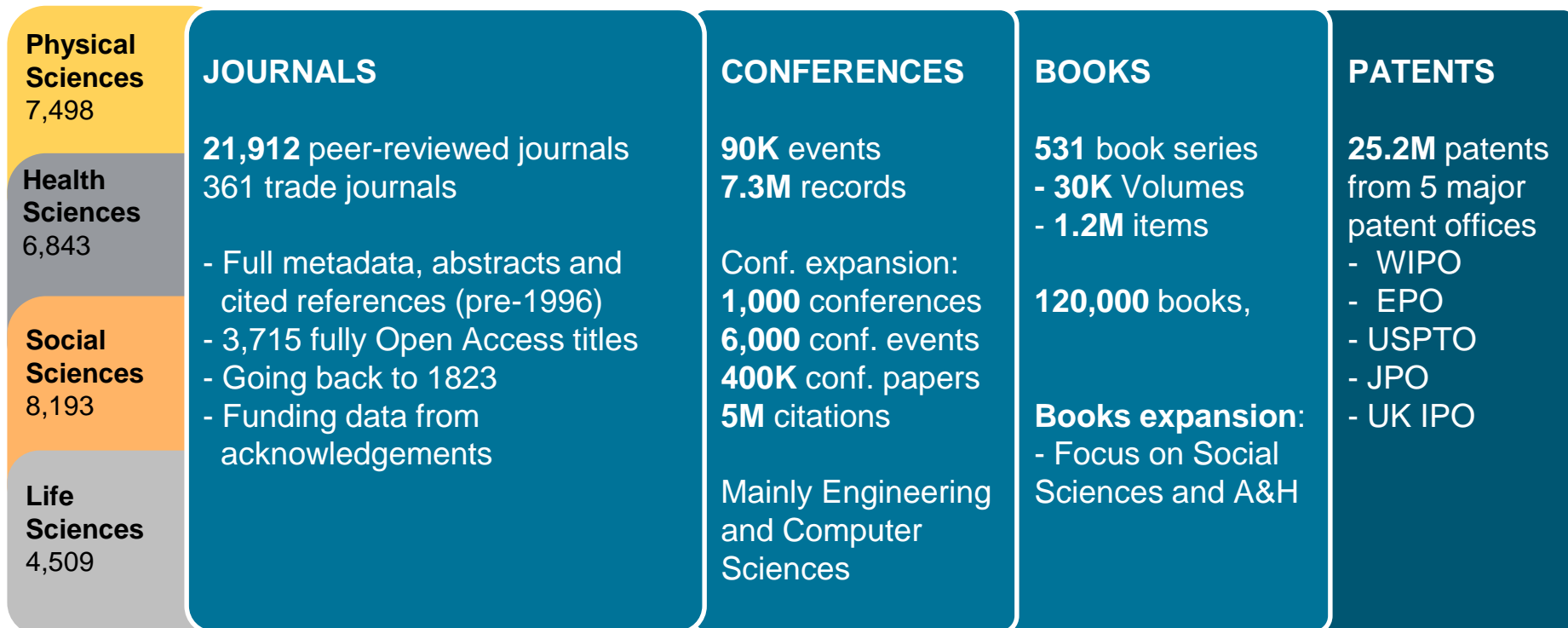
<p>Teaching: the learning environment (30%) Academic reputation survey: reputation for teaching (15%) Staff to student ratio (4.5%) Ratio of doctoral to bachelor’s degrees awarded (2.25%) (Field-weighted) number of doctorates awarded per staff FTE (6%) Institutional income per staff FTE (2.25)</p>	<p>Publication and citation data from Scopus is used</p>
<p>Research: volume, income and reputation (30%) Academic reputation survey: reputation for research excellence (18%) (Field-weighted) research income per staff FTE (6%) (Field-weighted) research output per staff FTE (6%)</p>	
<p>Citations: research influence (30%) (Field-weighted) citations in 2006-11 to papers published 2006-10</p>	<p>Scopus</p>
<p>Industry income: innovation (2.5%) Income from industry per staff FTE</p>	
<p>International outlook: staff, students and research (7.5%) Ratio of international to domestic students (2.5%) Ratio of international to domestic staff (2.5%) (Field-weighted) proportion of research papers with international co-authors (2.5%)</p>	

Content in Scopus

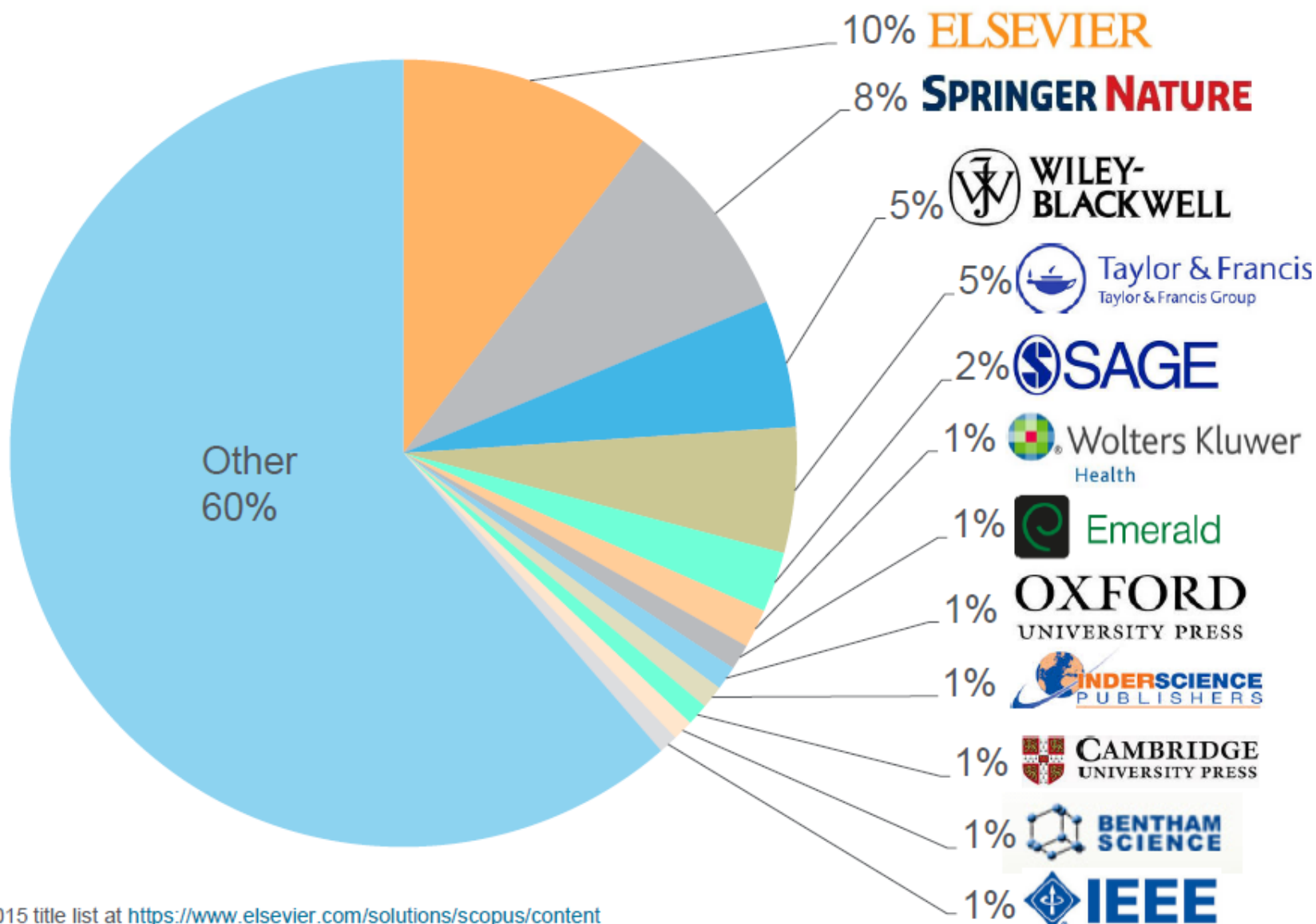
Content Coverage

What content does Scopus include?

- The **largest** abstract and citation database of research information with over **61 million** records.
23M+ records pre-1996, going back as far as 1823 | 38M+ records back to 1996 (84% with references)
- Updated daily
- Content from > 5,000 publishers
- More than 2,800 Gold Open Access journals indexed



Unbiased, comprehensive journal coverage with titles from many reputable scholarly publishers



Comparison with nearest peer

Scopus

~22K titles

>5,000 publishers

Updated daily

Scopus
22,245

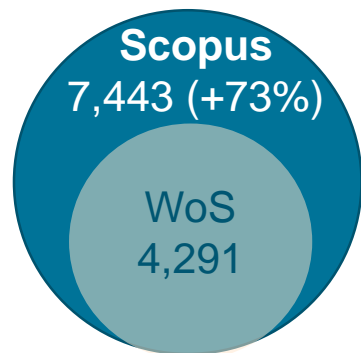
Web of Science
12,140

WEB OF SCIENCE™

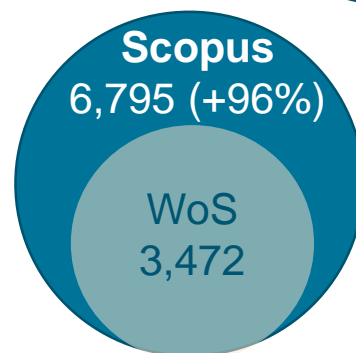
~12K titles (Core Collection)

3,300 publishers

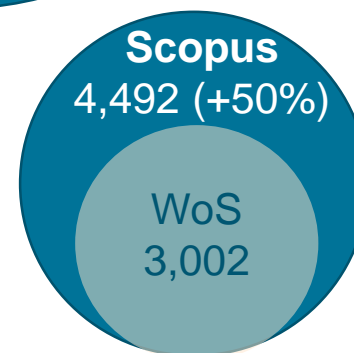
Updated weekly



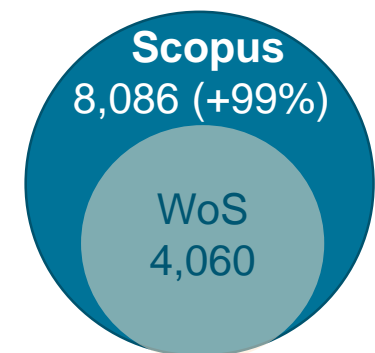
Physical Sciences



Health Sciences

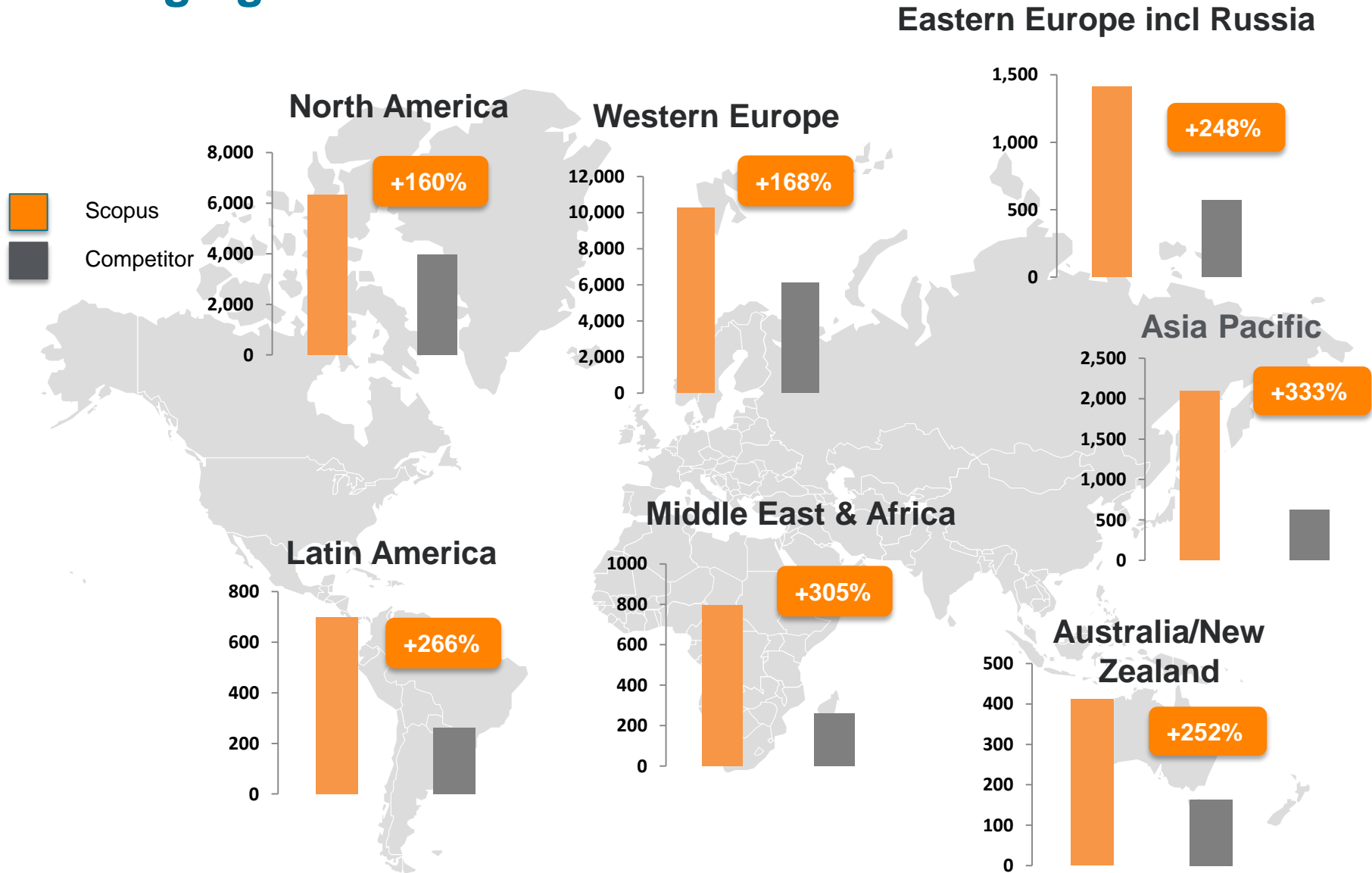


Life Sciences



Social Sciences

What does Scopus's content advantage mean for emerging countries?




Broader coverage = higher citations

[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.^a , Linton, L.M.^a, Birren, B.^a, Nusbaum, C.^a, Zody, M.C.^a, Baldwin, J.^a, Devon, K.^a, Dewar, K.^a, Doyle, M.^a, Gage, D.^a, Harris, K.^a, Heaford, A.^a, Howland, J.^a, Kann, L.^a, Lehoczy, J.^a, Levine, R.^a, McEwan, P.^a, McKernan, K.^a,

Cited by since 1996

This article has been cited **9456** times in Scopus:
(Showing the 2 most recent)

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 in Web of Science

Content Expansion

Ongoing Scopus Expansion Programs at No Extra Costs



Pre-1996 Cited Reference Expansion Program

Cited references going back to 1970, 8M+ articles



Conference Expansion Program

+1,000 new titles, +6,000 events, +400K papers and +5M references



Books Expansion Program

120K books back to 2005. +20K every year

Already in Scopus : Elsevier, Springer, Wiley, Brill, De Gruyter, Woodhead, Karger, Oxford University Press, Edward Elgar, Maney, Intellect, IOS Press, Pan Stanford, University of California Press, Princeton University Press, Edinburgh University Press, Delft University Press, Duke University Press, McGill Queens University Press, Project Muse (60+ UPs), OECD and more...

Cited References Enhancement Project

What?

Coverage years

- Pre-1996, going back to 1970

Number of articles

- We estimate 8M+ articles will be (re-) processed to include cited references

Scope

- Archives from all major publishers that have digital archives available
- All subject areas included

When?

Development of required systems and processes has already started

The first content with pre-1996 cited references will be visible in Q4 2014

Completed by 2016 when >8M articles from all major publishers have been loaded

Why?

- **Improve the completeness** and coverage of back files in Scopus
- **Enhance the relevancy** and visibility of archival content in Scopus
- **Measure the impact** of pre-1996 – for both individual assessment and (historical) trend analysis.
- **Increase the accuracy** of Scopus Author Profiles for senior researchers and decision makers.



h-Index of Researchers who Started Publishing before 1996 is Increasing

Scopus

Gerard 't Hooft (Nobel prize in Physics, 1999)

Dutch Research School of Theoretical Physics - DRSTP, Institute of Theoretical Physics, Utrecht, Netherlands

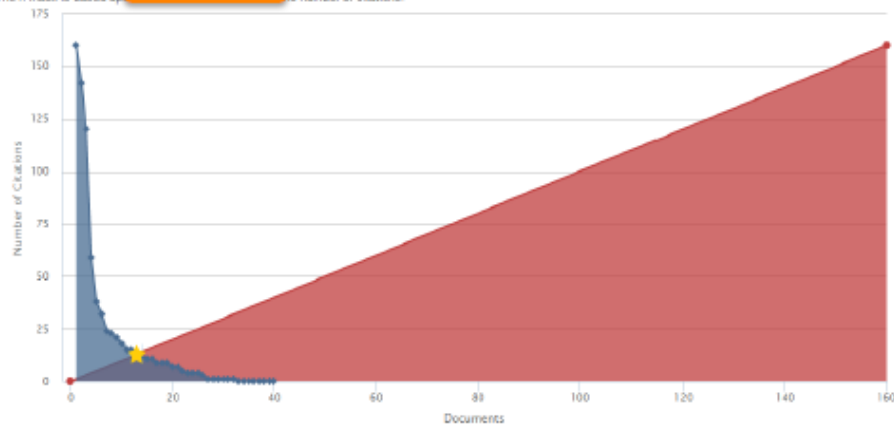
Author ID: 7005101336

[About Scopus Author Identifier](#) | [View potential author matches](#)

Other name formats: Hooft, Gerard t
't Hooft
't Hooft
[View More](#)

This author's *h*-index is 13

The *h*-index is based upon the number of documents and number of citations.



Documents published between: **1996 - 2016**

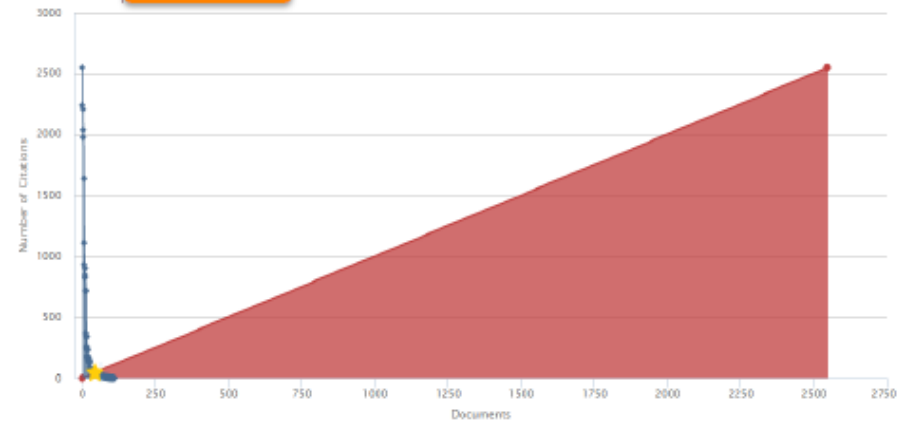
Number of publications: **40**

Number of citations: **782**

h-index: **13**

This author's *h*-index is 43

The *h*-index is based upon the number of documents and number of citations.



Documents published between: **1971 - 2016**

Number of publications: **110**

Number of citations: **23,134**

h-index: **43**

Increasing Coverage of Conference Papers with Focus on Engineering and Computer Sciences

Coverage years

- Backfill from 2005 – 2012 (8 years)

Number of conferences

- Around 1,000 new conference titles, 6,000 conference events, 400K conference papers and 5M references

Which conferences

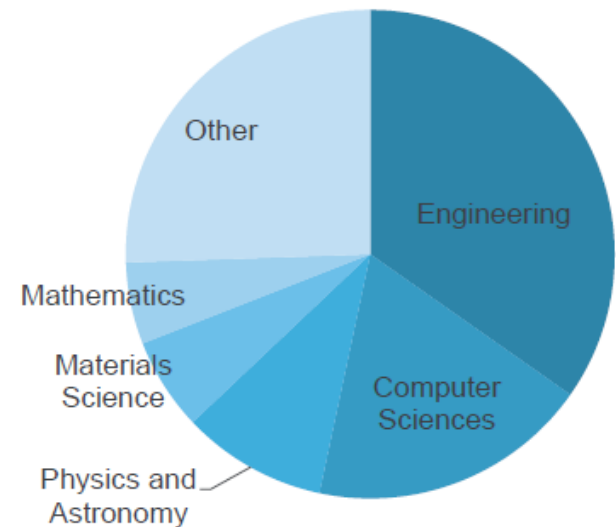
- Serial and one-off conferences from authoritative, respected lists. Focus on engineering and engineering-related subject fields



“Relying on journal publications as the sole demonstration of scholarly achievement,

ignores significant evidence of accomplishment in computer science and engineering. CRA expresses appreciation for the steps Elsevier has taken to improve the coverage of Scopus in recent years.”

Breakdown of conference papers in Scopus per subject field (7,285,226 total):



Increasing Coverage of Books with Focus on Social Sciences and Arts & Humanities

In addition to 30K book volumes from series, **120K books** loaded in Scopus. **15 – 20K** new books per year going forward

974,360 document results

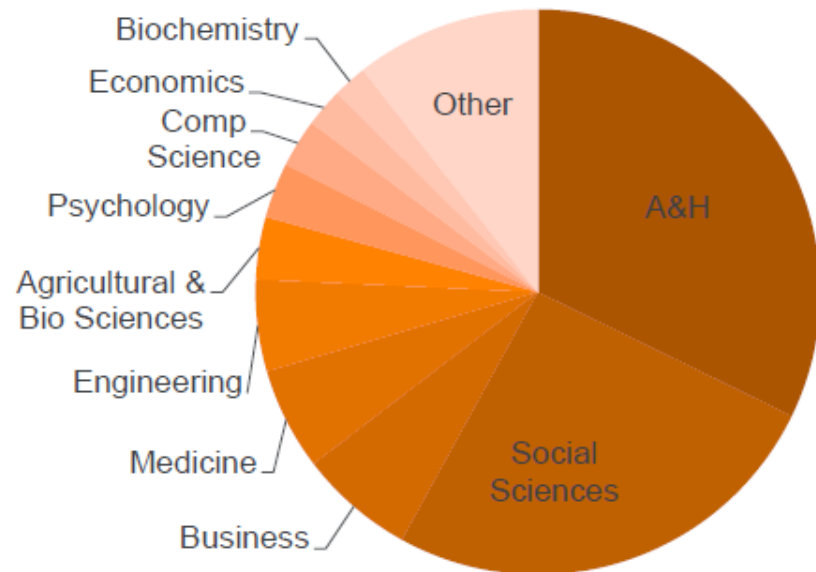
Search within results...



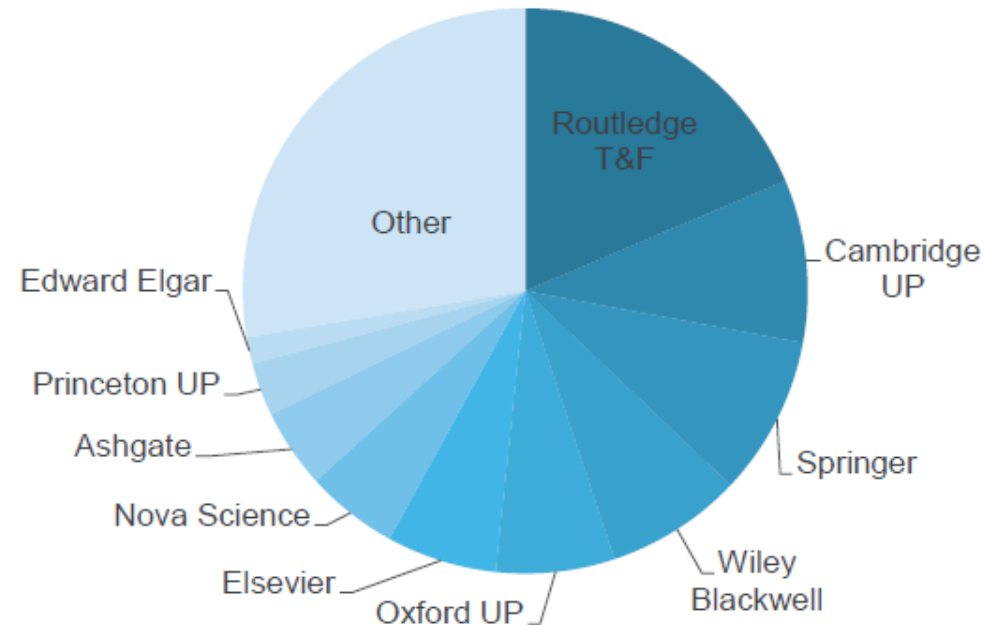
Document Type

- Book Chapter (792,614)
- Book (119,882)

Scopus books coverage breakdown per subject field:



Scopus books coverage breakdown per publisher:



Indexing funding data in Scopus

Current Opinion in Biotechnology

Volume 28, August 2014, Pages 39-45

Self-assembled two-dimensional protein arrays in bionanotechnology: From S-layers to designed lattices (Review)

Baneyx, F. ✉, Matthaei, J.F. 🧑

Department of Chemical Engineering, University of Washington, Box 351750, Seattle, WA 98195-1750, United States

Abstract

▼ View references (49)

Although the crystalline S-layer arrays that form the exoskeleton of many archaea and bacteria have been studied for decades, a long-awaited crystal structure coupled with a growing understanding of the S-layer assembly process are injecting new excitement in the field. The trend is amplified by computational strategies that allow for in silico design of protein building blocks capable of self-assembling into 2D lattices and other prescribed quaternary structures. We review these and other recent developments toward achieving unparalleled control over the geometry, chemistry and function of protein-based 2D objects from the nanoscale to the mesoscale. © 2013 Elsevier Ltd.

Indexed keywords

Assembly process; Bionanotechnology; Building blocks; Computational strategy; Protein arrays; Quaternary structure; Self-assembled; Self-assembling

Engineering controlled terms: Biotechnology

Engineering main heading: Proteins

EMTREE drug terms: ampholyte; nanomaterial; nanoparticle

EMTREE medical terms: archaeon; bacterium; binding affinity; binding site; computer analysis; computer model; crystal structure; Deinococcus radiodurans; Escherichia coli; exoskeleton; Geobacillus stearothermophilus; geometry; nanoanalysis; nanobiotechnology; nonhuman; physical chemistry; priority journal; process design; process development; protein assembly; protein engineering; protein function; protein microarray; protein quaternary structure; proton transport; review; Sporosarcina ureae; structure activity relation; two dimensional protein array; ultrafiltration

ISSN: 09581689 CODEN: CUOBE Source Type: Journal Original language: English

DOI: 10.1016/j.copbio.2013.11.001 Document Type: Review

Funding Details

Number; Acronym; Sponsor: T32CA138312; ONR; Office of Naval Research

Number; Acronym; Sponsor: BRC-11123566; NIH; **National Institutes of Health**

WHAT FUNDING DATA:

- Full name of the funding body, **acronym** and **grant number** captured from the acknowledgments section of the article.
- Making use of the **FundRef** ontology
- **Forward flow** only, started in July 2013

FUNDREF ONTOLOGY:

- Only funding bodies included in the FundRef ontology are captured
- Around **5,000 funding bodies** originally included in FundRef
- When processing content for Scopus new funding body terms are identified as **candidate terms**
- As of January 2014 around **1,000 new candidate terms** will be added to FundRef each month

In Scopus funding data can be searched using the following fields in Advanced Search:

FUND-SPONSOR | FUND-ACR | FUND-NO

For example, the advanced search term "**FUND-SPONSOR(National Science Foundation)**" will result in all articles that mention the National Science Foundation as the funding body in the acknowledgements.

Content Selection Process

How does Scopus choose content?

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

Eligible titles are reviewed by the Content Selection & Advisory Board according to a combination of 14 quantitative and qualitative selection criteria:

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

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

Questions: titlesuggestion@scopus.com

Coverage of High Quality Journals Due to Selection by the Independent Content Selection & Advisory Board (CSAB)



The CSAB is an independent board of subject experts from all over the world.

Board members are chosen for their expertise in specific subject areas; many have (journal) Editor experience.

Summary

- **Scopus Overview**

- Is the largest abstract and citation database of research information with over 61 million records.
- covers journals, conferences, books and patents
- includes content from all major publishers, but importantly also content from many small, and local publishers
- Covers 99.9% of journals in Web of Sciences

- **Content Expansion**

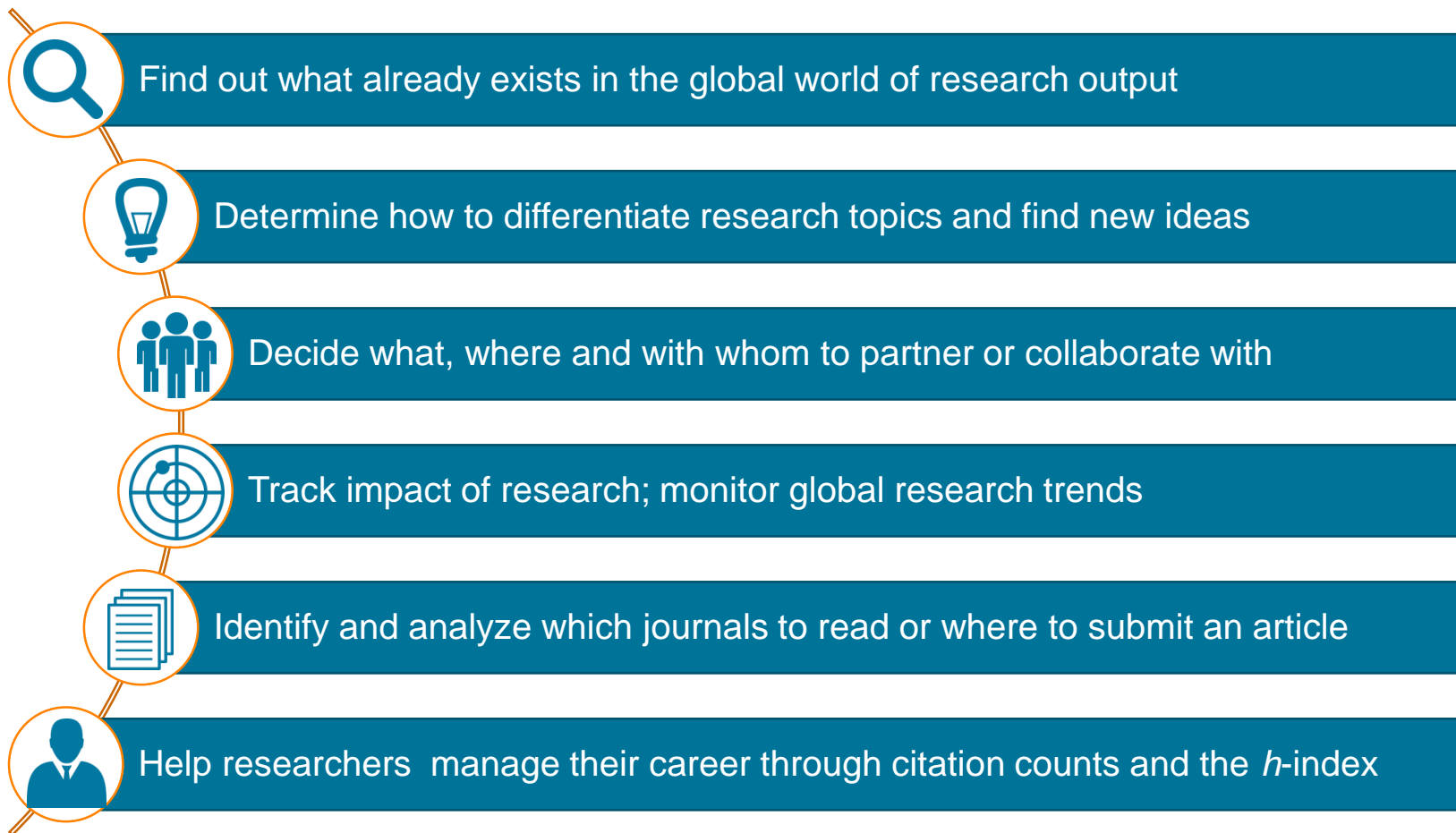
- Pre-1996 Cited Reference Expansion Program
- Conference Expansion Program
- Books Expansion program

- **Content Selection**

- Journals vetted by an independent Content Selection Advisory Board
- Best understand the criteria very well before submitting
- Elsevier provides editor workshops to explain the criteria in more detail

Use Cases for Researchers

Scopus can help researchers & students



Search & Discovery



1. Reading research
2. Keeping up-to-date with your field
3. Searching online scientific literature
4. Obtaining in-depth knowledge on a subject

The researchers' challenge is in these use cases

Search & Discovery

Scopus

Scopus | SciVal

Search

Alerts

My list

Open Access indicator for journals indexed in Scopus.

Search Functions

Document search | Author search | Affiliation search | Advanced search

Browse Sources | Compare journals

Particle Interactions

Article Title, Abstract, Keywords



+ 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

Life Sciences (> 4,300 titles . .)

Health Sciences (> 6,800 titles . 100% Medline coverage)

Physical Sciences (> 7,200 titles . .)

Social Sciences & Humanities (> 5,300 titles . .)

Sources & Metrics

Refine Search Parameters

About Scopus

What is Scopus
Content coverage
Scopus Blog
Scopus API

Language

日本語に切り替える
切换到简体中文
切换到繁體中文

Customer Service

Help and Contact
Live Chat

About Elsevier

Terms and Conditions
Privacy Policy

Scopus Advanced Search

Document search | Author search | Affiliation search | **Advanced search** | [Browse Sources](#) | [Compare journals](#)

[? Search tips](#) | [? Field codes](#)

```
((TITLE-ABS-KEY(adult* OR "young adult*" OR "middle*age*" OR inactiv* OR sedentary)) AND ((TITLE-ABS-KEY(exercis* OR "physical exercis*" OR aerobic* OR intermittent OR accumul* OR interval* OR "short bout*" OR "multiple bout*")) OR (TITLE-ABS-KEY(continu* OR "long bout*" OR "single bout*")))) AND (TITLE-ABS-KEY(glucose OR "glucose intoleran*" OR "blood glucose" OR *insulin* OR "insulin sensitivity" OR "insulin resistanc*" OR *glyc*mi*))
```

Outline query | Clear form |

As you type Scopus offers code suggestions. Double click or press "enter" to add to advanced search.

Operators

- AND
- OR
- AND NOT
- PRE/
- W/

Codes

- ABS
- AF-ID
- AFFIL
- AFFILCITY
- AFFILCOUNTRY
- AFFILOG
- ALL

Advanced search examples:
 ALL("heart attack") AND AUTHOR-NAME(smith)
 TITLE-ABS-KEY(*somatic complaint wom?n) AND PUBYEAR AFT 1993
 SRCTITLE(*field ornith*) AND VOLUME(75) AND ISSUE(1) AND PAGES(53-66)

Outline query breaks lines at logical points which helps structure the search and identify errors

Advanced search box allows combining of many codes, using operators – which allows for complex searches

Operators and field codes can be selected here, or typed into the box

Advanced Search Field Codes – 64!!

Document search | Author search | Affiliation search | **Advanced search**

[Browse Sources](#) [Compare journals](#)

[? Search tips](#)

[? Field codes](#)

Search for...

ALL	CONFNAME	MANUFACTURER
ABS	CONFSPONSORS	ORCID
AF-ID	DOCTYPE (XX)	PAGEFIRST
AFFIL	DOI	PAGELAST
AFFILCITY	EDFIRST	PAGES
AFFILCOUNTRY	EDITOR	PMID
AFFILORG	EDLASTNAME	PUBDATETXT
ARTNUM	EISSN	PUBYEAR
AU-ID	EXACTSRCTITLE	REF
AUTH	FUND-ALL	SEQBANK
AUTHFIRST	FIRSTAUTH	SEQNUMBER
AUTHLASTNAME	FUND-SPONSOR	SRCTITLE
AUTHCOLLAB	FUND-ACR	SRCTYPE (XX)
AUTHKEY	FUND-NO	SUBJAREA(XX)
BOOKPUB	INDEX	TITLE
CASREGNUMBER	INDEXTERMS	TITLE-ABS
CHEM	ISBN	TITLE-ABS-KEY
CHEMNAME	ISSN	TITLE-ABS-KEY-AUTH
CODEN	ISSNP	TRADENAME
CONF	ISSUE	VOLUME
CONFLOC	KEY	WEBSITE
	LANGUAGE	

Advanced search strings can be used in Document Search tab.



Document search | Author search | Affiliation search | Advanced search [Browse Sources](#) [Compare journals](#)

"practical intelligence" AND "tacit knowledge" Article Title, Abstract, Keywords ?

AND NOT "academic intelligence" Article Title, Abstract, Keywords ×

[+](#) Add search field | [Reset form](#)

(TITLE-ABS-KEY ("practical intelligence" AND "tacit knowledge") AND NOT TITLE-ABS-KEY ("academic intelligence")) [Edit](#) | [Save](#) | [Set alert](#) | [Set feed](#)

21 document results [Analyze search results](#) [View secondary documents](#) | [Search your library](#) |

Search within results...

[Text export](#) | [Download](#) | [View citation overview](#) | [View Cited by](#) | [Save to list](#) | [More...](#)

Refine

[Limit to](#) [Exclude](#)

Year

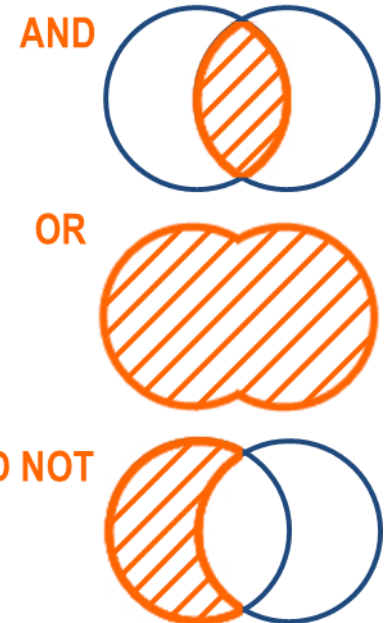
- 2015 (1)
- 2014 (2)
- 2010 (1)
- 2009 (1)
- 2008 (1)
- 2007 (1)
- 2006 (2)
- 2005 (1)
- 2004 (1)
- 2003 (3)

- Practical Intelligence in Real-World Pursuits. The Role of Tacit Knowledge Wagner, R.K., Sternberg, R.J.
1
[Full Text](#) [View at Publisher](#)
- Identifying and assessing tacit knowledge understanding the practical intelligence of military leaders Hedlund, J., Forsythe, G.B., Horvath, Snook, S., Sternberg, R.J.
2
[Full Text](#) [View at Publisher](#)
- Practical intelligence, g, and work psychology Sternberg, R.J., Hedlund, J.
3
- Practical intelligence at work: Relationship between aging and cognitive efficiency among managers in a bank environment Colonia-Willner, R.
4

Search Term Rules - Boolean

Boolean Operators

- **AND** Finds only documents that contain all of the terms. The terms may be far apart from each other.
e.g. **food AND poison**
- **OR** Finds documents that contain any of the terms. It is used to cover synonyms, alternate spellings, or abbreviations.
e.g. **weather OR climate; "green fluorescent protein" OR gfp**
- **AND NOT** Excludes documents that include the specified term from the search. It must be used at the end of a search.
e.g. **tumor AND NOT malignant**



Order of Precedence Rules Boolean

Order of precedence rules

Searches with multiple operators are processed in the following order:

1. OR
2. AND
3. AND NOT

After the precedence rules are applied, the search is read left to right.

Proximity operators Pre/n and W/n are processed after OR and before AND

This is a similar concept to “order of operations” in maths

Basically, the search engine needs to know what to do first



Document search | Author search | Affiliation search | Advanced search

[Browse Sources](#) [Compare journals](#)

Particle Interactions

Article Title, Abstract, Keywords



+ Add search field

Limit to:



162,833 document results [View secondary documents](#) | [View 351 patent results](#) | [Search your library](#) | [Analyze search results](#)

Search within results...

1 Save to Mendeley Download View citation overview View cited by More... [Show all abstracts](#)

2

3 Sort on: [Date](#) [Cited by](#) [Relevance](#) ...

Refine

Year

Author Name

Subject Area

Document Type

Source Title

Keyword

Affiliation

Country/Territory

Source Type

Language

[Export refine](#)

4

<input type="checkbox"/> Self-interaction correction to density-functional approximations for many-electron systems	Perde...	1981	Physical Review B	11637
<input type="button" value="Full Text"/> View at Publisher				
...NT4 - A simulation toolkit	Agost (...), Y...	2003	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	6935
<input type="button" value="Full Text"/> View at Publisher				
...CRETE NUMERICAL MODEL FOR GRANULAR ASSEMBLIES.	Cundall, P.A., Strack, O.D.L.	1979	Geotechnique	5665
...antum dot bioconjugates for ultrasensitive nonisotopic detection	Chan, W.C.W., Nie, S.	1998	Science	5559
<input type="button" value="Full Text"/> View at Publisher				
...BMACS 4: Algorithms for highly efficient, load-balanced, and scalable molecular simulation	Hess, B., Kutzner, C., Van Der Spoel, D., Lindahl, E.	2008	Journal of Chemical Theory and Computation	4978
<input type="button" value="Full Text"/> View at Publisher				
...ory of superconductivity	Bardeen, J., Cooper, L.N., Schrieffer, J.R.	1957	Physical Review	4595
<input type="button" value="Full Text"/> View at Publisher				
<input type="checkbox"/> Engineering (29,351)				
<input type="checkbox"/> Chemistry (28,493)				
<input type="button" value="Full Text"/> View at Publisher				

View references
Add to My List
Create bibliography
Email
Print

1 Refine Search Results

2 Mendeley/ Download/ Citation Overview/ View Cited by / Alert Setting / View References etc

3 Sorting Option (Date or Number of Citations)

4 Abstract/ Article Record

Author/Article Information

GEANT4 - A simulation toolkit (Article)

Agostinelli, S.^{ae}, Allison, J.^{as}, Amako, K.^e, Apostolakis, J.^a, Araujo, H.^{aj}, Arce, P.^{almx}, Asai, M.^{gai}, Axen, D.^u, Banerjee, S.^{lbh}, Barrand, G.^{an}, Behner, F.^l, Bellagamba, L.^o, Boudreau, J.^{bo}, Broglio, L.^{af}, Brunengo, A.^c, Burkhardt, H.^a, Chauvie, S.^{blbk}, Chuma, J.^h, Chytrcek, R.^a, Cooperman, G.^{ay}, Cosmo, G.^a, Degtyarenko, P.^d, Dell'Acqua, A.^{ai}, Depaola, G.^{ly}, Dietrich, D.^{af}, Enami, R.^{ab}, Feliciello, A.^{bi}, Ferguson, C.^{bo}, Fesefeldt, H.^o, Folger, G.^a, Foppiano, F.^{ao}, Forti, A.^{as}, Garelli, S.^{ao}, Giani, S.^a

View additional authors

^a European Organization for Nuclear Research (CERN), Switzerland, United States

^b European Space Agency (ESA), ESTEC, Netherlands

^c Istituto Nazionale di Fisica Nucleare (INFN), Italy

View additional affiliations

Cited by – documents Set Citation Alert

Abstract

GEANT4 is a toolkit for simulating the passage of particles through matter. It includes a complete range of functionality including tracking, geometry, physics models and hits. The physics processes offered cover a comprehensive range, including electromagnetic, hadronic and optical processes, a large set of long-lived particles, materials and elements, over a wide energy range starting, in some cases, from 250 eV and extending in others to the TeV energy range. It has been designed and constructed to expose the physics models utilised, to handle complex geometries, and to enable its easy adaptation for optimal use in different sets of applications. The toolkit is the result of a worldwide collaboration of physicists and software engineers. It has been created exploiting software engineering and object-oriented technology and implemented in the C++ programming language. It has been used in applications in particle physics, nuclear physics, accelerator design, space engineering and medical physics. © 2003 Elsevier Science B.V. All rights reserved.

Author keywords

Distributed software development; Geometrical modelling; Object-oriented technology; Particle interactions; Simulation; Software engineering

Indexed keywords

Particle interactions

Engineering controlled terms: Computer simulation; High energy physics; Nuclear physics; Object-oriented programming; Particle accelerators; Software engineering

Engineering main heading: Nuclear instrumentation

Keywords of the articles

Related Documents

ISSN: 01689002 CODEN: NIMAE Source Type: Journal Original language: English

DOI: 10.1016/S0168-9002(03)01368-8 Document Type: Article

References (131)

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Giani, S. (1998) GEANT4: An Object-oriented Toolkit for Simulation in HEP. Cited 21 times. CERN/LHCC 98-44, GEANT4 Web page http://cern.ch/geant4

Amako, K. (2003) Proceedings of CHEP94 San Francisco, CA, USA, LBL-35822 CONF-940492

NEW Feature – Article Metrics Module

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Preflight performance studies of the PoGLite hard X-ray polarimeter Chauvin, M., Jackson, M., Kawano, T. (2016) Astroparticle Physics

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New trends in detector and background simulation: Geant4 Wellisch, J.P. (2006) Czechoslovak Journal of Physics

Geant4: Physics potential for HEP instrumentation Ivanchenko, V.N. (2002) Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment

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View all metrics

Assignment 1



- Use Scopus to find Indonesia's highest cited paper in "palm oil" Research
- Which institutions wrote the paper?
- How many citations does this paper have?
- How highly cited is this paper compared to world average citation levels?

Demo



Setting up Search Alerts

Scopus

Scopus

Set Search Alert
 Set Alert - Search Alert is saved search that you can schedule to run at regular (daily/ weekly/ bi-weekly/ monthly) intervals. Search Results will be sent to your mailbox

Search Alerts

TITLE-ABS-KEY ("Palm oil") [Edit](#) [Save](#) [Set alert](#) [Set feed](#)

9,605 document results [View secondary documents](#) [Analyze search results](#)

Search within results...

Refine

[Limit to](#) [Exclude](#)

Year

<input type="radio"/>	2016	(257)
<input type="radio"/>	2015	(1,025)
<input type="radio"/>	2014	(1,258)
<input type="radio"/>	2013	(1,059)
<input type="radio"/>	2012	(808)
<input type="radio"/>	2011	(759)
<input type="radio"/>	2010	(608)
<input type="radio"/>	2009	(454)
<input type="radio"/>	2008	(384)
<input type="radio"/>	2007	(371)

Author Name

<input type="radio"/>	Hassan, M.A.	(84)
<input type="radio"/>	Masjuki, H.H.	(60)
<input type="radio"/>	Bhatia, S.	(56)
<input type="radio"/>	Choo, Y.M.	(54)
<input type="radio"/>	Jumaat, M.Z.	(54)

Set Alert (* = Required fields)

Search: TITLE-ABS-KEY ("Palm oil")

Name of alert:

E-mail address(es):

Separate multiple email addresses by a semicolon, comma, space or enter.

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E-mail format: HTML Text

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Comparison of...
1 and lipop...

An outloc...
2

A review...
3

Importan...
4

Substitut...
5 Adh parallel rate differences at the plastid gene rbcL

Kinetics of palm oil transesterification in a batch reactor
6




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Lists

TITLE-ABS-KEY ("Palm oil")  Edit |  Save |  Set alert |  Set feed9,605 document results [View secondary documents](#) | [View 1443 patent results](#) | [Search your library](#) | [Analyze search results](#)Search within results... 
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- 2014 (1,258)
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- 2012 (808)
- 2011 (759)
- 2010 (608)
- 2009 (454)
- 2008 (384)
- 2007 (371)

Author Name

- Hassan, M.A. (84)
- Masjuki, H.H. (60)
- Bhatia, S. (56)
- Choo, Y.M. (54)
- Jumaat, M.Z. (54)

Subject Area


- Agricultural and Biological Sciences (2,925)
- Engineering (1,863)
- Chemistrv (1 854)

 Comparison of...
and lipoproteins
1
 An outlook on mi...
2
 A review of Jatro...
3


 Importance of bic...
4
 Substitution rate...
Adh parallel rate
5

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6


 Biodiesel produc...
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- Abstract
- Author Keywords
- Index Keywords

 Funding Details

- Number
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 References


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Year

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- 2014 (1,258)
- 2013 (1,059)
- 2012 (808)
- 2011 (759)
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- 2009 (454)
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- Jumaat, M.Z. (54)

Subject Area

- Agricultural and Biological Sciences (2,925)
- Engineering (1,863)
- Chemistry (1,854)
- Chemical Engineering (1,793)
- Environmental Science (1,456)
- Medicine (1,430)
- Biochemistry, Genetics and

- Comparison of effects of dietary saturated, monounsaturated, and polyunsaturated fatty acids on plasma lipids and lipoproteins in man [Full Text](#)
- An outlook on microalgal biofuels [Full Text](#)
- A review of *Jatropha curcas*: An oil plant of unfulfilled promise [Full Text](#)
- Importance of bio... [Full Text](#)
- Substitution rate of Adh parallel rate [Full Text](#)
- Kinetics of palm... [Full Text](#)
- Biodiesel produc... [Full Text](#)
- Performance and... [Full Text](#)

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Document Title	Format	Availability	Download Status
Comparison of effects of dietary saturated, monounsaturated, and polyunsaturated fatty acids on plasma lipids and lipoproteins in man			
An outlook on microalgal biofuels			
A review of <i>Jatropha curcas</i> : An oil plant of unfulfilled promise			

Batch Download files with automatic naming (Java Required)

Assignment 2



- Perform a search in Scopus for something that interests you.
- Setup a search alert
- Export the top 5 results to your preferred format
- Email these search results to someone

Demo



Author Disambiguation

What is the Challenge? Scholarly Name Ambiguity

Many researchers that too closely resemble one another.



Dr. Lim



Dr. Lim



Dr. Lim

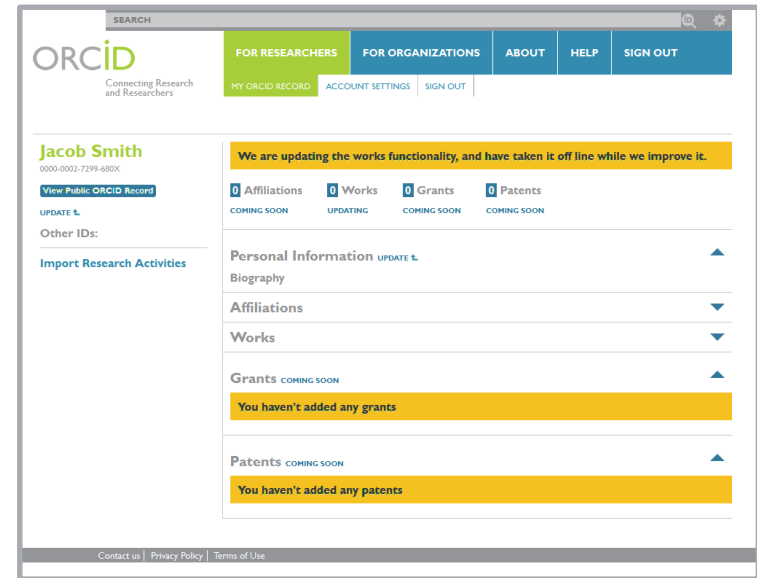
Researchers publish under name variations.



Dr. Lim
Dr. W. Lim
Dr. W.L. Lim
Dr. Wee Li Lim
Dr. L. Wee Li

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Dr. Lim
Dr. W. Lim
Dr. Wee Li Lim



Dr. Wee Li Lim
46533489



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1

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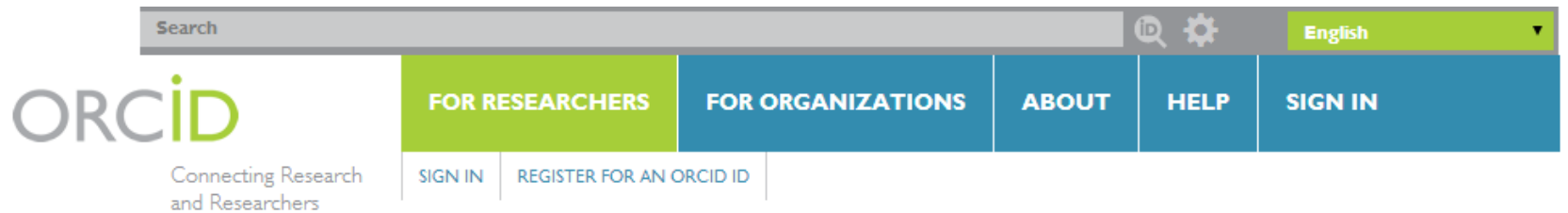
2

**ADD YOUR
INFO** Enhance your ORCID record with your
professional information and link to your other
identifiers (such as Scopus or ResearcherID or
LinkedIn).

3

**USE YOUR
ORCID ID** Include your ORCID identifier on your Webpage,
when you submit publications, apply for grants, and
in any research workflow to ensure you get credit
for your work.

ORCID has been gaining users – and using Elsevier systems!



The screenshot shows the top navigation bar of the ORCID website. It includes a search bar, a language dropdown set to 'English', and a main menu with five items: 'FOR RESEARCHERS' (highlighted in green), 'FOR ORGANIZATIONS', 'ABOUT', 'HELP', and 'SIGN IN'. Below the 'FOR RESEARCHERS' menu item, there are two sub-links: 'SIGN IN' and 'REGISTER FOR AN ORCID ID'. The ORCID logo and tagline 'Connecting Research and Researchers' are visible on the left side of the header.

696,443 ORCID iDs and counting. See more...

ORCID Statistics

Live ORCID iDs	696,443
ORCID iDs with at least one work	140,364
Works	4,089,636
Works with unique DOIs	2,090,436

Statistics as of: 2014-May-09

Author Profiles in Scopus

Search

Alerts

Lists

Join the webinar on March 24th – Search tips to make your research more effective – Register now.

Author Search Function

Document search

Author search

Affiliation search | Advanced search

[Browse Sources](#) [Compare journals](#)

Iqbal



Muhammad Zafar

 Show exact matches only

Universiti Malaysia Sabah



ORCID...

e.g. 1111-2222-3333-444x



Limit to:

Subject Areas Life Sciences Health Sciences Physical Sciences Social Sciences & Humanities

Iqbal, Muhammad Zafar
 Universiti Malaysia Sabah, Biotechnology Research Institute,
 Kota Kinabalu, Malaysia
 Author ID: 26643257600

Documents: 238
 Citations: 3748 total citations by 2659 documents
 h-index: 33
 Co-authors: 150 (maximum 150 co-authors can be displayed)
 Subject area: Agricultural and Biological Sciences , Biochemistry, Genetics and Molecular Biology View More

About Scopus Author Identifier | View potential author matches
 Other name formats: Iqbal, Muhammad
 Iqbal
 Iqbal, Mohammad Zafar
 View More

6 Follow this Author Receive emails when this author publishes new articles

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

238 Documents | Cited by 2659 documents | 150 co-authors

238 documents View all in search results format

Sort on: Date Cited by ...

Export all to CSV file | Save all to list | Set document alert | Set document feed

Documents: 238
 Citations: 3748

Author History

Publication range: 1974 - Present
 References: 4616

Source history:
 New Phytologist View documents
 Flora: Morphology, Distribution, Functional Ecology of Plants View documents
 Journals of Gerontology - Series A Biological Sciences and Medical Sciences View documents
 View More

5 Show Related Affiliations

Amelioration of ferric nitrilotriacetate-induced hepatotoxicity in Wistar rats by diallylsulfide	Ansar, S., Iqbal, M.	2016	Human and Experimental Toxicology	0
Salt stress-induced modulations in the shoot proteome of Brassica juncea genotypes	Yousuf, P.Y., Ahmad, A., Ganie, A.H., Iqbal, M.	2016	Environmental Science and Pollution Research	0
Hepatoprotective effects of Flagellaria indica are mediated through the suppression of pro-inflammatory cytokines and oxidative stress markers in rats	Gnanaraj, C., Shah, M.D., Makki, J.S., Iqbal, M.	2016	Pharmaceutical Biology	0

1 Author Details

2 Author Publications

3 Search Functionality

4 Sorting Option
(Date or Number of Citations)

5 Author History

6 Follow this Author / Get Citation Alerts / Author Detail Corrections

Author Search

Search Alerts Lists

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

Show exact matches only

Limit to:

Subject Areas
 Life Sciences Physical Sciences
 Health Sciences Social Sciences & Humanities

Here we search for the author Kamarudin Hussin, and indicate the name of his affiliation should include "Perlis" (the author is from UNIMAP).

Author Search Results

Search Alerts Lists

Author last name "Kamarudin" , Author first name "Hussin" , Affiliation "Perlis" [Edit](#)

1 author results [About Scopus Author Identifier](#) Sort o

Show exact matches only

Show documents | View citation overview | Request to merge authors

Refine

Source Title

2006 TMS Fall Extraction and Processing Division Sohn International Symposium (1)

Hussin, Kamarudin 266 Engineering ; Materials Science ; Chemistry; Universiti Malaysia Perlis Kubang Gajah Malaysia
1 Kamarudin, Hussin
Kamarudin, Kamarudin
Husin, H.


Display results per page

Here the result is just one author profile, because our search was quite specific, i.e. used full first name and specified an affiliation. Common names will often result in many more results!

Author Profiles


Search
Alerts
Lists

[Back to results](#) | 1 of 1

Hussin, Kamarudin
 Universiti Malaysia Perlis, School of Materials Engineering, Kubang Gajah, Malaysia
 Author ID: 16642513600
 <http://orcid.org/0000-0001-9644-4244>


Documents: 266


Citations: 1082 total citations by 688 documents


h-index: 17 

Co-authors: 150 (maximum 150 co-authors can be displayed)

Subject area: Engineering , Materials Science [View More](#)

 [Analyze author output](#)

 [View citation overview](#)

 [View *h*-graph](#)

266 Documents | Cited by 688 documents | 150 co-authors

266 documents [View all in search results format](#)

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 [Add to ORCID !\[\]\(1a455106cb811baa352b4f5964fd6a2f_img.jpg\)](#)

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■ Documents **—● Citations**

Author History

Publication range: 1994 - 2015

References: 3353

Source history:

Journal of Vinyl and Additive Technology	View documents
Applied Mechanics and Materials	View documents
Fibers and Polymers	View documents
View More	

 [Show Related Affiliations](#)


- Author profiles are algorithmically created and perfected through user feedback.
- Scopus Author ID can be linked to their ORCID ID.
- Author profiles are an easy way to discover all the work by a particular researcher, and to analyze their output in various ways.

Author Feedback

Search

Alerts

Lists

Author last name "van servellen"  Edit

2 author results [About Scopus Author Identifier](#)

Show exact matches only

Show documents |  View citation overview |  **Request to merge authors**

Refine

Limit to

Exclude

Source Title

- Journal of Nursing Administration (2)
- Nursing (2)
- Nursing Administration Quarterly (2)
- Applied Nursing Research (1)
- Applied Nursing Research ANR (1)

Van Servellen, Gwen M. 62 Nursing ; Medicine ; Social Sciences; ...

1 Van Servellen, Gwen
van Servellen, Gwen
van Servellen, Gwen van

Van Servellen, Gwen Marram 3 Nursing

2 van Servellen, Gwen Marram

Display results per page

- Some authors have more than one Author Profile, in which case they can easily be combined.
- Incorrect documents can also be removed during this process.

Author Feedback Wizard

Author feedback wizard

1 | Start





2 | Select preferred name

3 | Review profile

4 | Submit changes

Merge selected authors

You have requested to merge the following authors:

1	Van Servellen, Gwen Marram	 56804832400	University of California, Los Angeles	 3
	Show recent documents			
2	Van Servellen, Gwen M.	 55665452500	University of California, Los Angeles	 62
	Show recent documents			

cancel | **Start**

- The Author Feedback Wizard allows you to make changes to an author profile
- The best person to give such feedback is of course the author him/herself, but in principal others can also give feedback

Demo



Institutional Profiles

Affiliation Search



Document search | Author search | **Affiliation search** | Advanced search

[Browse Sources](#) [Compare journals](#)



Search for documents by affiliation

Search history

Combine queries...

e.g. #1 AND NOT #3.



3 TITLE-ABS-KEY ("Palm oil")

9,605 document results

2 (TITLE-ABS-KEY ("Palm oil") AND AFFILCOUNTRY (indonesia))

378 document results


1 AF-ID ("Universitas Diponegoro" 60069385)

950 document results

Here we do an affiliation search for "Indonesia"

Affiliation Search Results

Search	Alerts	Lists	
--------	--------	-------	--

Affiliation "Indonesia"  Edit

179 affiliation results [About Scopus Affiliation Identifier](#)

Show documents |  Give feedback

Refine

City

- Jakarta (54)
- Bogor (17)
- Bandung (16)
- Surabaya (14)
- Yogyakarta (13)

Country/Territory

- Indonesia (179)

[Export refine](#)

<input type="checkbox"/>	1	Institut Teknologi Bandung Bandung Institute of Technology Institut Teknologi Bandung	5363	Bandung	Indonesia
<input type="checkbox"/>	2	Universitas Indonesia Universitas Indonesia University of Indonesia	4388	Depok	Indonesia
<input type="checkbox"/>	3	Gadjah Mada University Gadjah Mada University	2863	Yogyakarta	Indonesia
<input type="checkbox"/>	4	Institut Pertanian Bogor Bogor Agricultural University	2027	Bogor	Indonesia
<input type="checkbox"/>	5	Lembaga Ilmu Pengetahuan Indonesia Indonesian Institute of Sciences Indonesian Institute of Sciences LIPI	1584	Jakarta	Indonesia
<input type="checkbox"/>	6	Institut Teknologi Sepuluh Nopember Sepuluh Nopember Institute of Technology Institut Teknologi Sepuluh Nopember	1546	Surabaya	Indonesia
<input type="checkbox"/>	7	Brawijaya University Brawijaya University University of Brawijaya	1115	Malang	Indonesia
<input type="checkbox"/>	8	Center for International Forestry Research, West Java Ctr. for Intl. Forestry Research Center for International Forestry Research	1024	Bogor	Indonesia
<input type="checkbox"/>	9	Universitas Diponegoro Diponegoro University	950	Semarang	Indonesia
<input type="checkbox"/>	10	Universitas Padjadjaran Universitas Padjadjaran Padjadjaran University	946	Bandung	Indonesia
<input type="checkbox"/>	11	Universitas Hasanuddin Hasanuddin University	859	Makassar	Indonesia
<input type="checkbox"/>	12	Universitas Airlangga Airlangga University	817	Surabaya	Indonesia

The results shows all affiliation profiles which includes "Indonesia" in either the name or country field.

Affiliation Profiles

Search

Alerts

Lists

[Back to results](#) | [< Previous 12 of 179 Next >](#)

Universitas Airlangga

Surabaya
East Java, Indonesia
Affiliation ID: 60069383

Documents: 817

Authors: 705

Patent results: 0

Collaborating affiliations

University of Malaya
Kobe University
Kobe University School of Medicine
Hoshi University
Gadjah Mada University

[View more...](#)


Documents by source

Documents	Source
50	International Journal of Pharmacy and Pharmaceutical Sciences
49	Southeast Asian Journal of Tropical Medicine and Public Health
41	Profiles of Drug Substances Excipients and Methods
41	Paediatrica Indonesiana
36	Journal of Liquid Chromatography and Related Technologies

[View more...](#)

Follow this affiliation

Receive emails when new documents are available in Scopus.

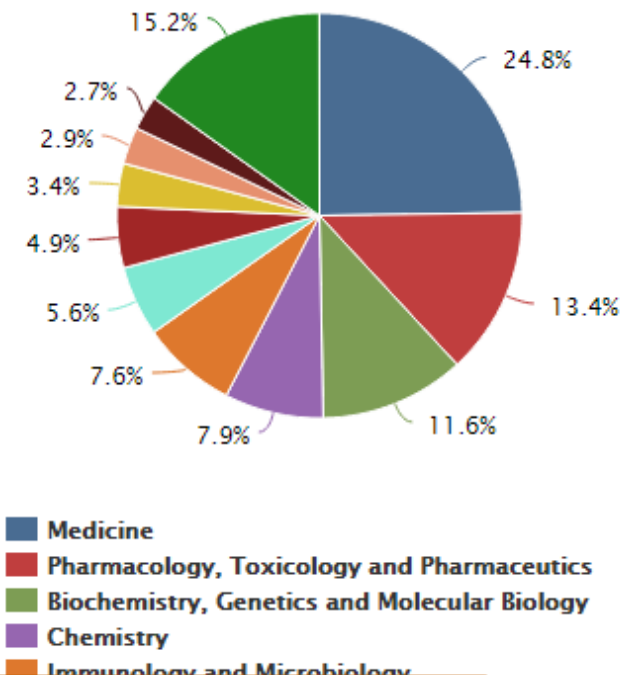
 Set document feed

 Give feedback about this affiliation

Documents by subject area

 Chart

 Table



- Affiliation profiles are profiles which group papers published at relevant institutions.
- The Quality of the profiles is Excellent, yet institutions are welcome to provide feedback to Elsevier.

Assignment 3



- Search for an author that interests you. Were you able to find him or her?
- Does this author have an ORCID record?
- Search for your institutional profile in Scopus. Are you able to find it?

Summary

- A key activity for researchers is efficient search and discovery of research papers (a second step can be the analysis thereof)
- Scopus facilitates searching in various ways:
 - Document search
 - Advanced search
 - Author search
 - Affiliation search
 - Journal search
- Profiles
 - Profiles save you the time of manually grouping papers
 - Author profiles make it easier to find all the papers of a particular researcher. It also allows for easier analysis of their output and impact
 - Institutional profiles do the same for an institution.

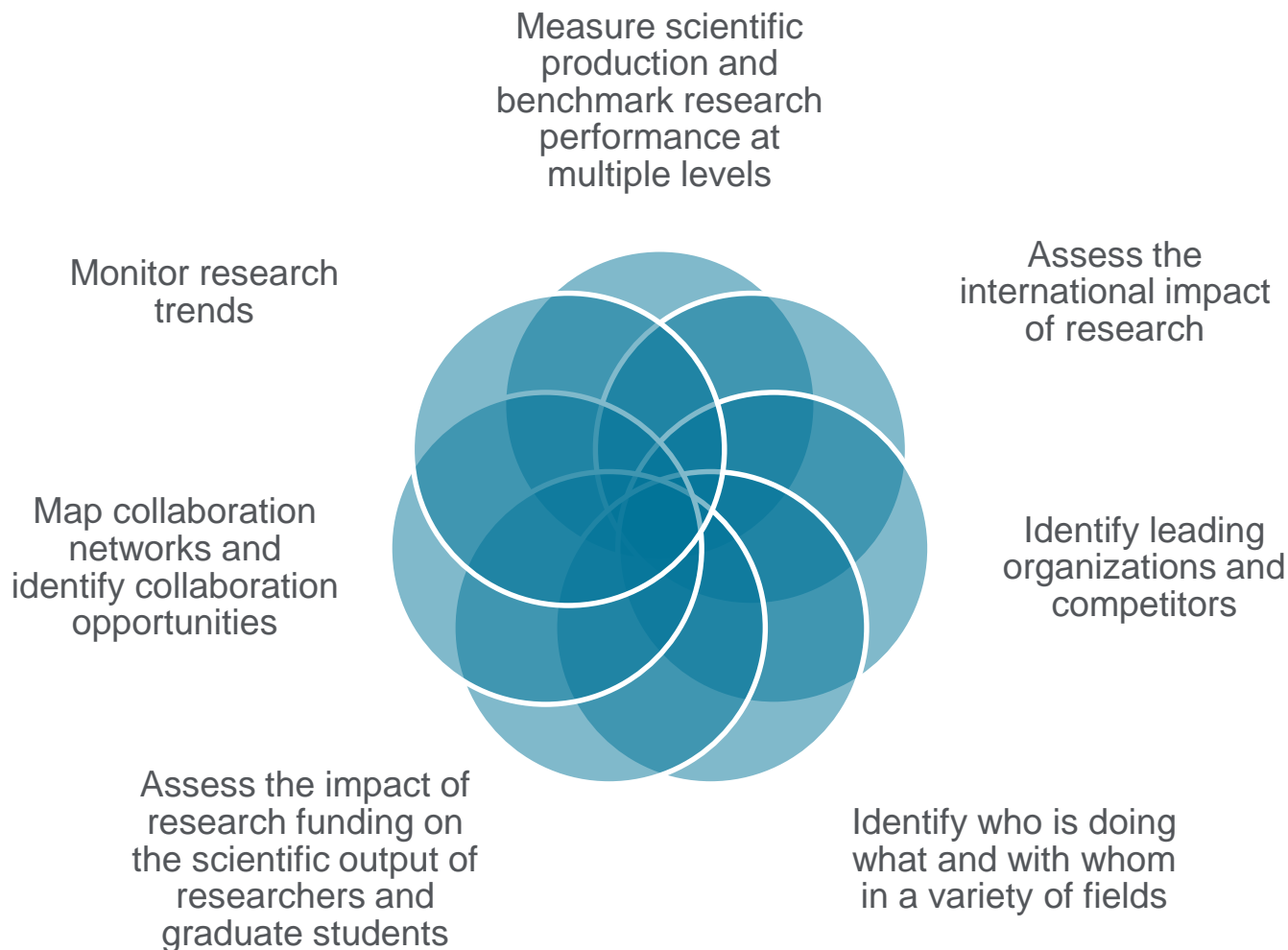
Analytical Tools & Metrics

What are research metrics?



- Research workflow can be represented by three main stages.
- A metric is a **numerical measurement** that provides quantitative information about performance (i.e. an indicator)
- Metrics are used by people in research as one of the **inputs in making decisions**.
- Research is growing and becoming more complex, and metrics provide **digestible insights** from the massive amounts of data that these activities generate.

Metrics allow us to:



Analytical Tools in Scopus include:

- ✓ Analyze search results
- ✓ Citation overview
- ✓ Analyze author output
- ✓ Article metrics module
- ✓ Journal analyzer



Analyze Search Results

Analyze Search Results

Search Alerts Lists

(TITLE-ABS-KEY ("Palm oil") AND AFFILCOUNTRY (indonesia)) [Edit](#) | [Save](#) | [Set alert](#) | [Set feed](#)

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- Year**
- 2016 (23)
 - 2015 (84)
 - 2014 (94)
 - 2013 (62)
 - 2012 (27)
 - 2011 (22)
 - 2010 (16)
 - 2009 (6)
 - 2008 (10)
 - 2007 (3)

- Author Name**
- Mahlia, T.M.I. (10)
 - Rohman, A. (10)
 - Caliman, J.P. (8)
 - Ismadji, S. (8)
 - Basri, N.H. (7)

- Subject Area**
- Agricultural and Biological Sciences (98)
 - Engineering (92)

<input type="radio"/>	Kinetics of palm oil transesterification in a batch reactor 1	Darnoko, D., Cheryan, M.
<input type="radio"/>	Biofuel plantations on forested lands: Double jeopardy for biodiversity and climate [Plantaciones de biocombustible en terrenos boscosos: Doble peligro para la biodiversidad y el clima] 2	Danielsen, F., Beukema, H., Burgess, N.D., (...), Struebig, M., Fitzherbert, E.B.
	Full Text View at Publisher	
<input type="radio"/>	Comparison of palm oil, Jatropha curcas and Calophyllum inophyllum for biodiesel: A review 3	Ong, H.C., Mahlia, T.M.I., Masjuki, H.H., Norhasyima, R.S.
	Full Text View at Publisher	
<input type="radio"/>	Fourier transform infrared (FTIR) spectroscopy for analysis of extra virgin olive oil adulterated with palm oil 4	Rohman, A., Man, Y.B.C.
	Full Text View at Publisher	
<input type="radio"/>	An alternative energy source from palm wastes industry for Malaysia and Indonesia 5	Mahlia, T.M.I., Abdulmuin, M.Z., Alamsyah, T.M.I., Mukhlisien, D.
	Full Text View at Publisher	
<input type="radio"/>	Continuous production of palm methyl esters 6	Darnoko, D., Cheryan, M.
<input type="radio"/>	Committed carbon emissions, deforestation, and community land conversion from oil palm plantation expansion in West Kalimantan, Indonesia 7	Carlson, K.M., Curran, L.M., Rathasari, D., (...), Lawrence, D., Rodrigues, H.O.

Analyze Search Results

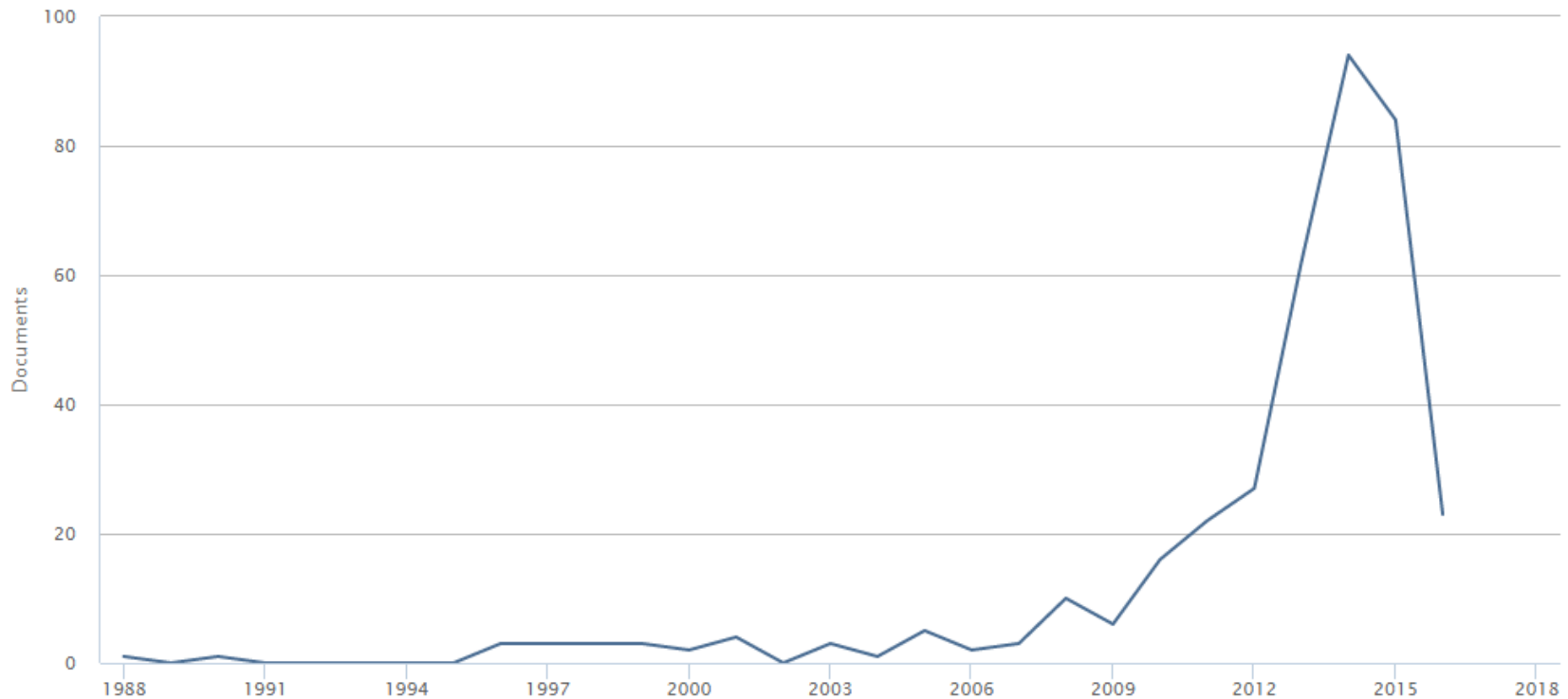
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(TITLE-ABS-KEY ("Palm oil") AND AFFILCOUNTRY (indonesia)) [Back to your search results](#)

378 document results Choose date range to analyze: 1988 to 2016 [Analyze](#)

Year	Source	Author	Affiliation	Country/Territory	Document type	Subject area
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Documents by year



Analyze Search Results

Analyze search results

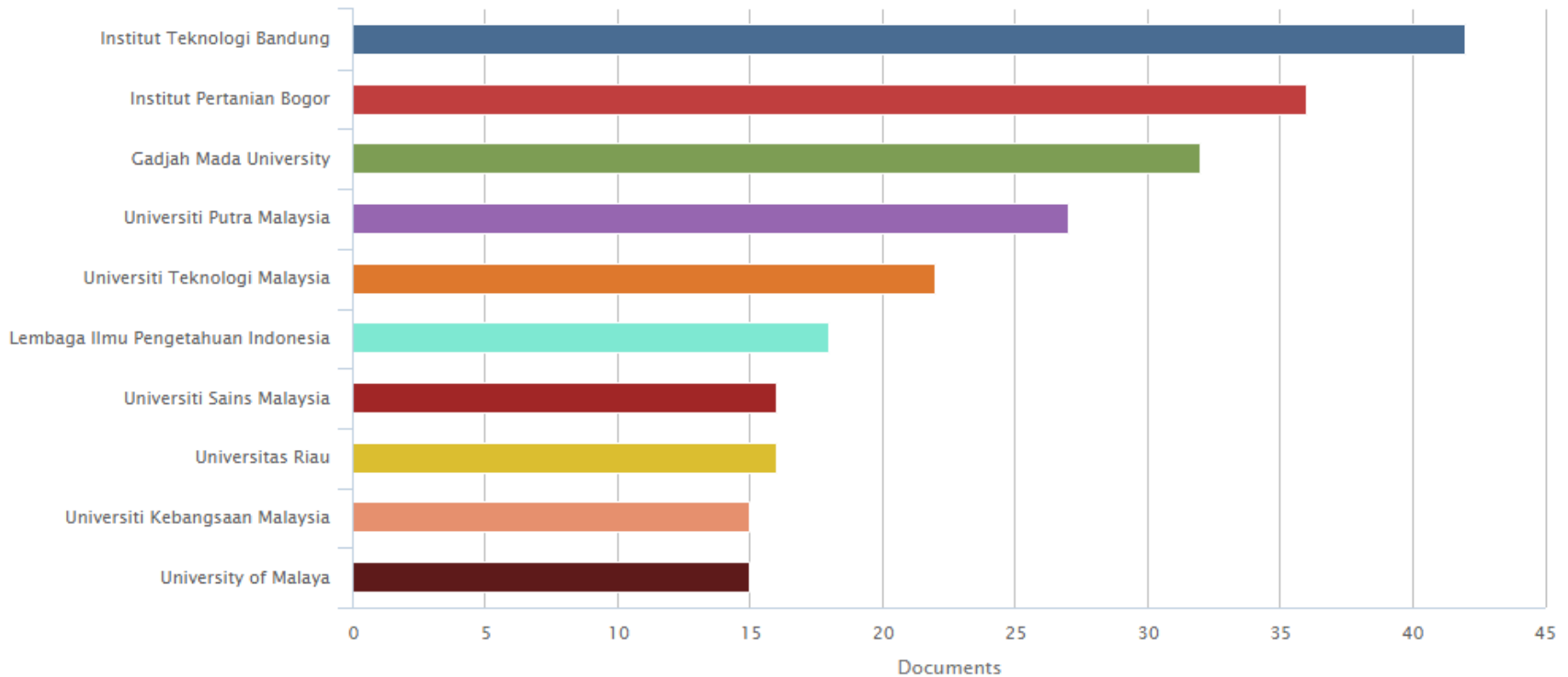
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Documents by affiliation

Compare the document counts for up to 15 affiliations



Analyze Search Results

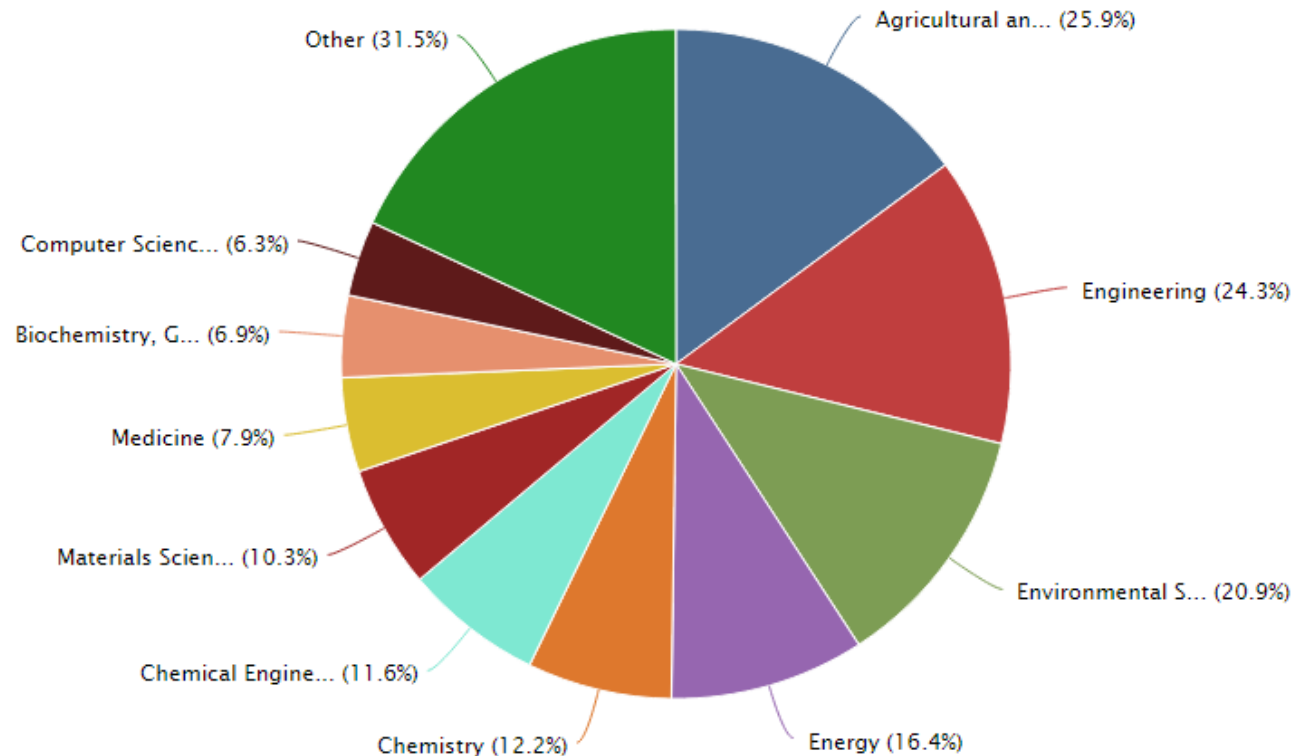
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Year	Source	Author	Affiliation	Country/Territory	Document type	Subject area
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Documents by subject area



Assignment 4



- Search for a topic of interest
- Analyze the search results. Who is the top university in this field?
- What subject areas are represented within this field?

Citation Overview

Analyze Search Results

Search

Alerts

Lists

TITLE-ABS-KEY ("palm oil") Edit | Save | Set alert | Set feed

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Refine

Year

- 2016 (239)
- 2015 (1,020)
- 2014 (1,257)
- 2013 (1,058)
- 2012 (808)
- 2011 (759)
- 2010 (608)
- 2009 (454)
- 2008 (384)
- 2007 (371)

Author Name

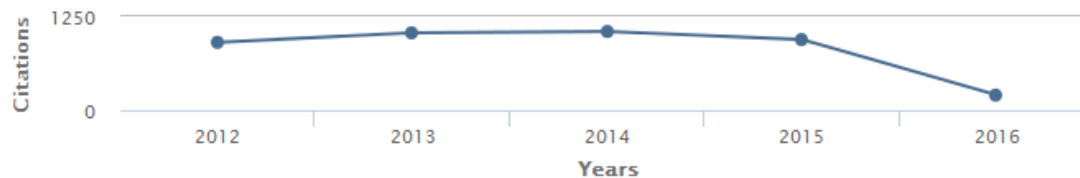
- Hassan, M.A. (84)
- Masjuki, H.H. (60)
- Bhatia, S. (56)
- Choo, Y.M. (54)
- Jumaat, M.Z. (53)

<input checked="" type="checkbox"/> 1	Comparison of effects of dietary saturated, monounsaturated, and polyunsaturated fatty acids on plasma lipids and lipoproteins in man	Mattson, F.H., Grundy, S.M.
<input checked="" type="checkbox"/> 2	An outlook on microalgal biofuels	Wijffels, R.H., Barbosa, M.J.
<input type="button" value="Full Text"/> View at Publisher		
<input checked="" type="checkbox"/> 3	A review of <i>Jatropha curcas</i> : An oil plant of unfulfilled promise	Openshaw, K.
<input type="button" value="Full Text"/> View at Publisher		
<input checked="" type="checkbox"/> 4	Importance of biodiesel as transportation fuel	Demirbas, A.
<input type="button" value="Full Text"/> View at Publisher		
<input checked="" type="checkbox"/> 5	Substitution rate comparisons between grasses and palms: Synonymous rate differences at the nuclear gene <i>Adh</i> parallel rate differences at the plastid gene <i>rbcl</i>	Gaut, B.S., Morton, B.R., Mcca M.T.
<input type="button" value="Full Text"/> View at Publisher		
<input checked="" type="checkbox"/> 6	Kinetics of palm oil transesterification in a batch reactor	Darnoko, D., Cheryan, M.

Citation Overview

20 cited documents [Back to document results](#) | [Save to list](#)

Document h-index : 20 Scopus does not have complete citation information for articles published before 1996. [View h-graph](#) ?



Date range: to

- Exclude self citations of all authors
- Exclude Citations from books

Edit the data for this graph and the citation table below.

[Update](#)

Documents

Citations

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

		<2012	2012	2013	2014	2015	2016	Subtotal	>2016	Total
	Total	3114	904	1031	1049	941	201	4126	0	7240
1	Oils and fats as renewable raw materials in chemistry	2011	8	50	62	83	70	20	285	293
2	Competitive liquid biofuels from biomass	2011	29	59	58	60	58	12	247	276
3	Importance of algae oil as a source of biodiesel	2011	15	39	54	74	57	13	237	252
4	An outlook on microalgal biofuels	2010	66	103	162	129	149	23	566	632
5	Indirect land-use changes can overcome carbon savings from b...	2010	57	41	42	58	40	9	190	247
6	Biodiesel production by microalgal biotechnology	2010	80	53	77	70	61	12	273	353
7	Utilization of oil palm as a source of renewable energy in M...	2008	86	38	39	43	35	5	160	246
8	How will oil palm expansion affect biodiversity?	2008	109	30	53	51	67	11	212	321
9	Importance of biodiesel as transportation fuel	2007	144	64	73	65	51	15	268	412
10	Jatropha-Palm biodiesel blends: An optimum mix for Asia	2007	140	34	37	35	31	4	141	281
11	Comparative performance and emissions study of a direct inje...	2006	158	40	35	33	18	9	135	293
12	Tocotrienols: Vitamin E beyond tocopherols	2006	140	29	28	24	20	7	108	248
13	In-depth investigation of biomass pyrolysis based on three m...	2006	89	39	47	60	61	12	219	308

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2012 to 2016

citations of all authors
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Documents

Sort on: Date (newest)

1	Oils and fats as renewable energy sources																		
2	Competitive liquid biofuels																		
3	Importance of algae as a source of renewable energy																		
4	An outlook on microalgae as a source of renewable energy																		
5	Indirect land-use change emissions from bioenergy production																		
6	Biodiesel production from microalgae																		
7	Utilization of oil palm as a source of renewable energy in Malaysia	2008	86	38	39	43	35	5	160										246
8	How will oil palm expansion affect biodiversity?	2008	109	30	53	51	67	11	212										321
9	Importance of biodiesel as transportation fuel	2007	144	64	73	65	51	15	268										412
10	Jatropha-Palm biodiesel blends: An optimum mix for Asia	2007	140	34	37	35	31	4	141										281
11	Comparative performance and emissions study of a direct injection diesel engine	2006	158	40	35	33	18	9	135										293
12	Tocotrienols: Vitamin E beyond tocopherols	2006	140	29	28	24	20	7	108										248
13	In-depth investigation of biomass pyrolysis based on three model compounds	2006	89	39	47	60	61	12	219										308
										Subtotal	>2016	Total							
										4126	0	7240							
										285		293							
										247		276							
										237		252							
										566		632							
										190		247							
										273		353							

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Hussin, Kamarudin

Universiti Malaysia Perlis, School of Materials Engineering, Kubang Gajah, Malaysia

Author ID: 16642513600


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Kamarudin
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Citations: 1082 total citations by 688 documents

h-index: 17 

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Documents (266)

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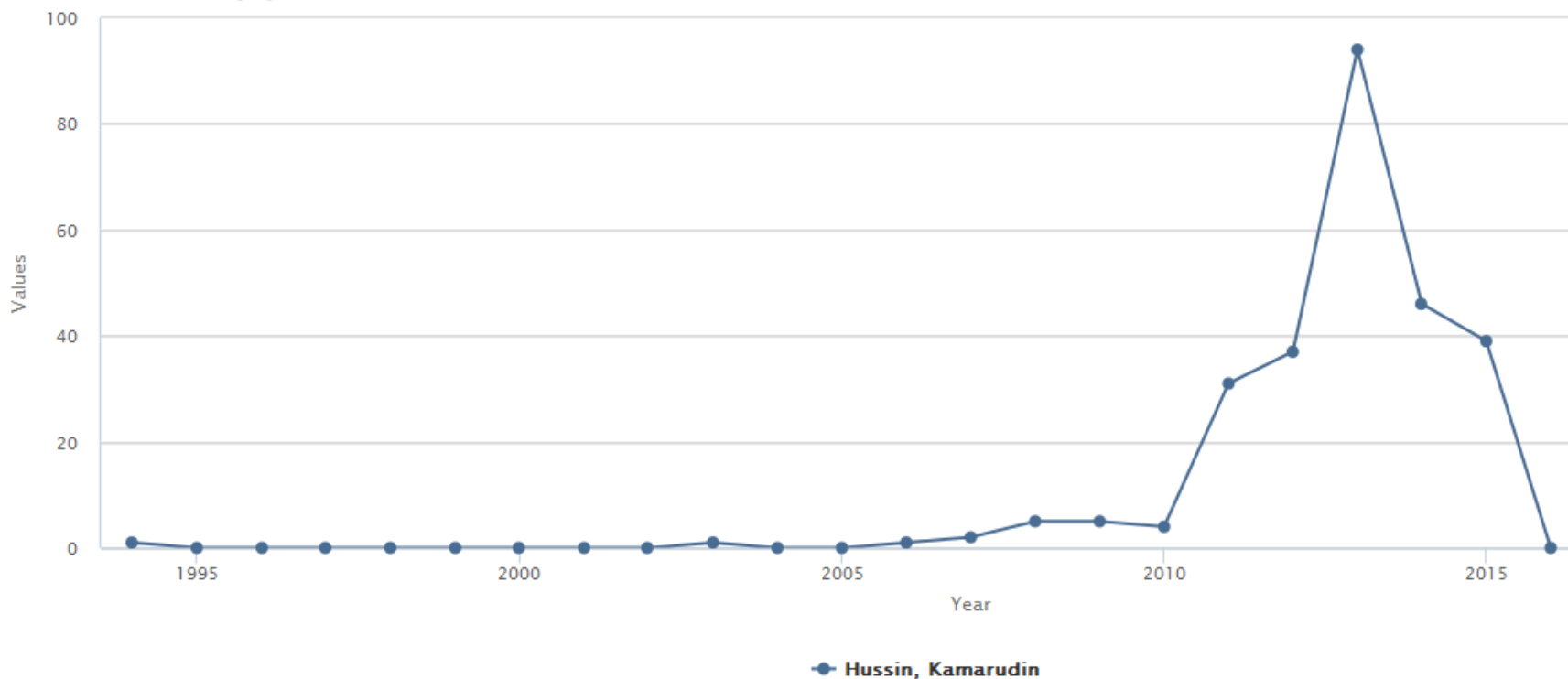
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Documents by year



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h-index (17)

Citations (1083)

Co-authors (150)

Co-authors (150)

Co-author	Co-authored Documents 	Co-author's Total Documents
Abdullah, Mohd Mustafa Al Bakri	128	View Total Documents
Ghazali, Che Mohd Ruzaidi	57	View Total Documents
Ismail, Khairul Nizar	57	View Total Documents
Binhussain, Mohammed A.	47	View Total Documents
Reshak, A. H.	46	View Total Documents
Abdul Razak, Rafiza	37	View Total Documents
Yahya, Zarina	35	View Total Documents
Auluck, Sushil	35	View Total Documents
Liew, Liewyun	25	View Total Documents
Heah, Heahcheng	24	View Total Documents
Sauli, Z.	23	View Total Documents
Retnasamy, Vithyacharan	23	View Total Documents
Jamaludin, S. B.	22	View Total Documents
Sandu, Andrei Victor	21	View Total Documents




Article Metrics Module

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PLoS Medicine

Volume 4, Issue 7, July 2007, Pages 1148-1155

Liver fluke induces cholangiocarcinoma (Review)

Sripa, B.^{a,f} , Kaewkes, S.^{b,f}, Sithithaworn, P.^{b,f}, Mairiang, E.^c, Laha, T.^b, Smout, M.^g, Pairajkul, C.^{a,f}, Bhudhisawasdi, V.^{d,f}, Tesana, S.^b, Thinkamrop, B.^e, Bethony, J.M.^h, Loukas, A.^g, Brindley, P.J.ⁱ  


^a Department of Pathology, Khon Kaen University, Khon Kaen, Thailand

^b Department of Parasitology, Khon Kaen University, Khon Kaen,

 [View additional affiliations](#)

Abstract

[No abstract available]

 [View references \(72\)](#)

Indexed keywords

EMTREE drug terms: ascorbic acid; praziquantel; proline

EMTREE medical terms: abdominal pain; bile duct carcinoma; China; cholangitis; cholecystitis; cholelithiasis; clonorchiasis; DNA damage; Fasciola hepatica; fascioliasis; fatigue; flatulence; gallbladder disease; gallbladder enlargement; hepatobiliary disease; hepatomegaly; human; immunopathology; Korea; liver fibrosis; nonhuman; obstructive jaundice; opisthorchiasis; parasite; pathogenesis; public health; review


Chemicals and CAS Registry Numbers: ascorbic acid, 134-03-2, 15421-15-5, 50-81-7; praziquantel, 55268-74-1; proline, 147-85-3, 7005-20-1

ISSN: 15491277 Source Type: Journal Original language: English

DOI: 10.1371/journal.pmed.0040201 Document Type: Review

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Keiser, J., Utzinger, J.

1 **Emerging foodborne trematodiasis**

(2005) *Emerging Infectious Diseases*, 11 (10), pp. 1507-1514. Cited 267 times.

[View at Publisher](#)

Schistosomes, liver flukes and Helicobacter pylori. IARC Working Group on the Evaluation of Carcinogenic Risks to Humans. Lyon, 7-14 June 1994.

(1994) *IARC monographs on the evaluation of carcinogenic risks to humans / World Health Organization, International Agency for Research on Cancer*, 61, pp. 1-241. Cited 445 times.

Jongsuksuntigul, P., Imsomboon, T.

3 **Opisthorchiasis control in Thailand**

(2003) *Acta Tropica*, 88 (3), pp. 229-232. Cited 124 times.

doi: 10.1016/j.actatropica.2003.01.002

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Pungpak, S., Bunnag, D., Harinasuta, T.

Cited by 255 documents


Whole transcriptome profiling of adult and infective stages of the trematode *Opisthorchis felinus*
Pomaznoy, M.Y., Logacheva, M.D., Young, N.D.
(2016) *Parasitology International*

Association between praziquantel treatment and cholangiocarcinoma: A hospital-based matched case-control study
Kamsa-ard, S., Luvira, V., Pugkhem, A.
(2015) *BMC Cancer*

Development and evaluation of PCR methods based on cytochrome c oxidase subunit one (cox1) and NADH dehydrogenase subunit one gene (nad1) to detect *Opisthorchis viverrini* in human fecal samples
Buathong, S., Leelayoova, S., Munghin, M.
(2015) *Parasitology Research*

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Opisthorchis viverrini and clonorchis sinensis

(2011) *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*

Opisthorchis viverrini: The carcinogenic human liver fluke



Kaewploon, N., Kaewploon, S.J., Pengsaa, P.
(2008) *World Journal of Gastroenterology*

Helminths and malignancy

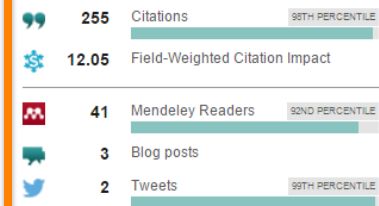
Vennervald, B.J., Polman, K.
(2009) *Parasite Immunology*

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 (2007) PLoS Medicine, 4(7), pp. 1148-1155

Overview

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Scholarly Commentary

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Mendeley, CiteULike, etc.

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Overview

Citation Count

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Cited by in Scopus



Field-Weighted Citation Impact

12.05



Citation Benchmarking

98th percentile

Compared to Medicine (all) articles of the same age and document type



Mendeley

41 Readers



Blogs

3 Posts



Wikipedia

5 Mentions



Twitter

2 Tweets



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Citation Benchmarking

98th percentile



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All Citations



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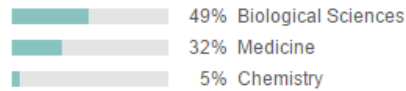
41 Readers

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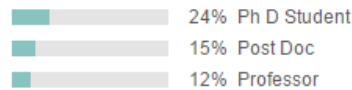
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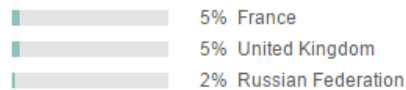


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(2007) PLoS Medicine, 4(7), pp. 1148-1155

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Mendeley, CiteULike, etc.

[Scholarly Commentary](#)
Blogs, Reviews, Wikipedia, etc.

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Twitter, Facebook, etc.

Scholarly Commentary

8 mentions

Reviews, articles, and blogs by experts and scholars, such as F1000 Prime, research blogs, and Wikipedia.

Blogs

[This Thai Meal Gives You Liver Cancer](#)

IFL Science - Health and Medicine
16 June 2015

Health and Medicine\n\n Photo credit:\n\n Candice and Jarrett/Flickr CC BY-NC 2.0 \nKoi pla is a popular dish in northeastern Thailand. It's made from finely chopped raw fish, mixed with herbs, a dash of lime juice, and a sprinkling of live r

[PLoS Goes Mainstream](#)

The Corpus Callosum
13 July 2007

One sure sign of acceptance in the mainstream media occurs when a\npublication gets picked up by Google News (as illustrated in the screen capture image, above).\n\nYesterday, reading the Public Library of Science Medicine journal (PLoS\nMedicine), I noticed

Wikipedia

[Koi \(dish\)](#)

The Anome
14 June 2015

Koi is a "salad" dish of the Lao people of Laos and Isan consisting of raw meat denatured by acidity, usually from lime juice.

[Carcinogen](#)

Alan Merrit
17 February 2014

A carcinogen is any substance, radionuclide, or radiation that is an agent directly involved in causing cancer.

[Cholangiocarcinoma](#)

Alan Merrit
05 February 2014

Cholangiocarcinoma is a form of cancer that is composed of mutated epithelial cells (or cells showing characteristics of epithelial differentiation) that originate in the bile ducts which drain bile from the liver into the small intestine.

Mass Media

Spread of artemisinin resistance in Plasmodium falciparum malaria [Back to article](#)

Ashley E.A., Dhorda M., Fairhurst R.M., Amaratunga C., (...), White N.J. (2014) New England Journal of Medicine, 371(5), pp. 411-423

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

46 stories from 38 sources

Coverage of research output in the mass media

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Südostasien: Wissenschaftler warnen vor resistenten Malaria-Erregern

ZEIT ONLINE
20 February 2015

In Myanmar kurz vor Indien wurden Parasiten entdeckt, gegen die das Malaria-Medikament Artemisinin wirkungslos ist. Forscher fürchten eine weltweite Ausbreitung.

Study in Myanmar confirms artemisinin-resistant malaria close to border with India

MedicalXpress
20 February 2015

The spread of malaria parasites that are resistant to the drug artemisinin - the frontline treatment against malaria infection - into neighbouring India would pose a serious threat to the global control and eradication of malaria. If drug resistance spread

Study in Myanmar confirms artemisinin-resistant malaria close to border with India

EurekaAlert!
19 February 2015

(Wellcome Trust) Resistance to the antimalarial drug artemisinin is established in Myanmar and has reached within 25km of the Indian border, a study published today in Lancet Infectious Diseases reports. Artemisinin resistance threatens to follow the sam

A Warning From the Heart of Malaria Research

Wall Street Journal
10 February 2015

A veteran doctor fears the rise of a drug-resistant strain will help the disease spread.



Südostasien

Wissenschaftler warnen vor resistenten Malaria-Erregern

In Myanmar, kurz vor Indien, wurden Parasiten entdeckt, gegen die das Malaria-Medikament Artemisinin wirkungslos ist. Forscher fürchten eine weltweite Ausbreitung.

20. Februar 2015, 14:50 Uhr / Quelle: ZEIT ONLINE, dpa, sre / 9 Kommentare

Ein resistenter Malaria-Erreger breitet sich nach Forscherangaben in Südostasien aus und hat fast die Grenze Indiens erreicht. Gegen den Erreger sei das effektive und viel genutzte Malaria-Medikament Artemisinin wirkungslos, warnt das internationale Team im Fachblatt *Lancet Infectious Diseases*. Resistente Parasiten seien etwa 25 Kilometer von der indischen Grenze entfernt in Myanmar gefunden worden.

Social Activity

Spread of artemisinin resistance in Plasmodium falciparum malaria [Back to article](#)


Ashley E.A., Dhorda M., Fairhurst R.M., Amaratunga C., (...), White N.J. (2014) New England Journal of Medicine, 371(5), pp. 411-423

Overview	Citations	Scholarly Activity <small>Mendeley, CiteULike, etc.</small>	Scholarly Commentary <small>Blogs, Reviews, Wikipedia, etc.</small>	Mass Media	Social Activity <small>Twitter, Facebook, etc.</small>
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⚙ Social activity

45 mentions from 3 sources


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

Twitter 

34 Tweets

Facebook 

10 Posts

Google + 

1 Post

Twitter – 34 tweets from 31 accounts



Matthew Todd @MatToddChem | 20 May



Gavin H Thomas @GavinHThomas | 20 January



Medard Ernest @de_meddy | 29 December 2014

Facebook – 10 posts from 10 accounts



Dr. Taing Tek Hong (អង្គការសុខភាព និង រោគ គ្មាន) on Hello VOA Khmer
| 25 April

ថ្ងៃនេះគឺជា ថ្ងៃអាទិត្យ ថ្ងៃទី១៧ ខែមេសា ឆ្នាំ២០១៥! ខ្ញុំសូមជូនដំណឹងដល់ប្រជាជនកម្ពុជា និងប្រជាជនជាតិខ្មែរនៅទូទាំងពិភពលោក អំពីការប្រឈមនឹងការស្រាវជ្រាវថ្មីៗ អំពីការស្រាវជ្រាវថ្មីៗ អំពីការស្រាវជ្រាវថ្មីៗ អំពីការស្រាវជ្រាវថ្មីៗ <http://www.who.int/campaigns/malaria-day/2015/en/>

ថ្ងៃនេះគឺជា ថ្ងៃអាទិត្យ ថ្ងៃទី១៧ ខែមេសា ឆ្នាំ២០១៥!



Epijobs.com | 04 September 2014
<http://www.nejm.org/doi/full/10.1056/NEJMoa1314981#t=articleResults>

Assignment 4



- Search for “rubber” in Scopus and find the most highly cited article (not book)
- Is this article cited more often than world average? If so, how much more?
- How many readers have added this paper to Mendeley?

Journals & Journal Metrics

Sources Browser

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

Search


 Display only Open Access journals

Browse

Source Type All Sources **T** Trade Publications **J** Journals
 C Conference Proceedings **B** 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

Aa Ab Ac Ad Ae Af Ag Ah Ai Aj Ak Al Am An Ao Ap Aq Ar As At Au Av Aw Ax Ay Az | All

25 results

Sort on: Source title

	SJR	IPP	SNIP
J AAA, Arbeiten aus Anglistik und Amerikanistik Library Catalogue ACNP Cat.Periodici	0.101	0.000	0.000
J AAC: Augmentative and Alternative Communication Library Catalogue ACNP Cat.Periodici	0.863	2.167	1.268
C AACE International Transactions Library Catalogue ACNP Cat.Periodici	0.102	0.004	0.001
J AAFL Bioflux Open Access Library Catalogue ACNP Cat.Periodici	0.199	0.282	0.339
J AACN Advanced Critical Care Library Catalogue ACNP Cat.Periodici	0.244	0.630	0.383

Journal Metrics

Scopus Journal Metrics offer the value of context with their citation measuring tools. The metrics allow for direct comparison of journals, independent of their subject classification. To learn more, visit: www.journalmetrics.com.

SJR = SCImago Journal Rank is weighted by the prestige of a journal. Subject field, quality and reputation of the journal have a direct effect on the value of a citation. SJR also normalizes for differences in citation behavior between subject fields.

Journal Analyser

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

Export | Print | E-mail

Engineering Journal Title Limit to: All Subject areas

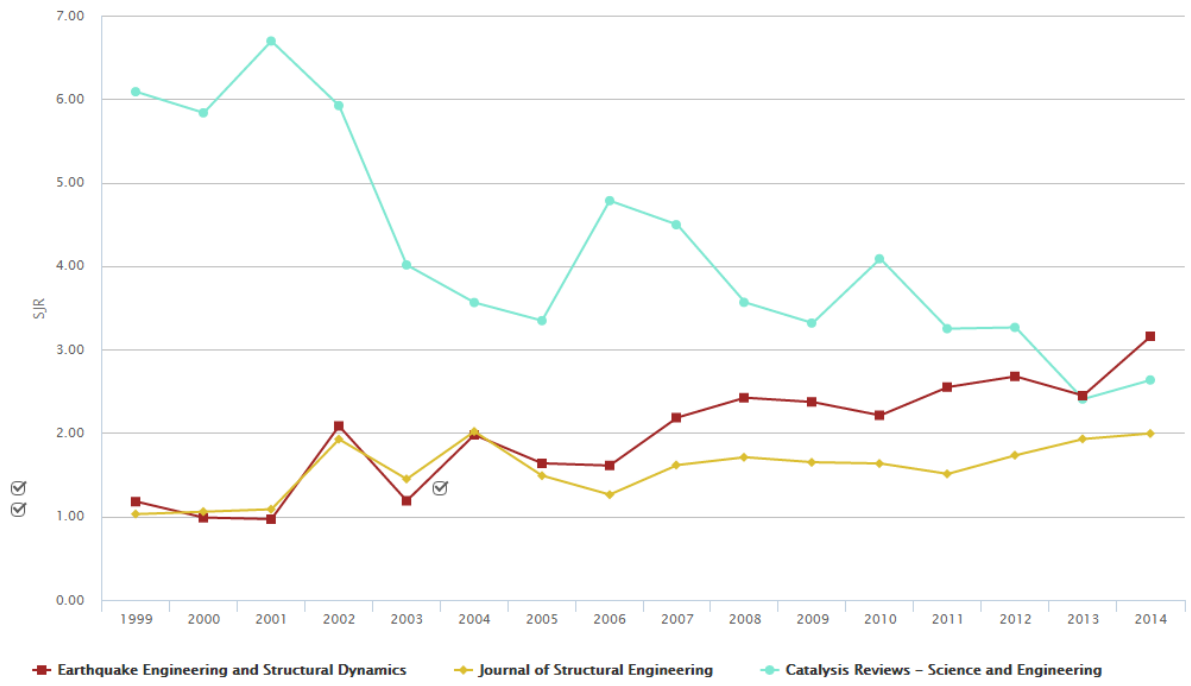
Show: SJR IPP SNIP ISSN

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

Journal	SJR
<input type="checkbox"/> Journal of Geotechnical and Geoenvironmental Engineer...	2.410
<input type="checkbox"/> Computer Methods in Applied Mechanics and Engineering	2.366
<input type="checkbox"/> Materials Science & Engineering A: Structural Materials:...	2.211
<input type="checkbox"/> IEEE Transactions on Software Engineering	2.194
<input type="checkbox"/> Archives of Computational Methods in Engineering	2.042
<input type="checkbox"/> Tissue Engineering - Part B: Reviews	2.011
<input checked="" type="checkbox"/> Journal of Structural Engineering	1.995
<input type="checkbox"/> International Journal of Impact Engineering	1.945
<input type="checkbox"/> International Journal for Numerical Methods in Engineering	1.940
<input type="checkbox"/> Composites Part B: Engineering	1.888
<input type="checkbox"/> International Journal of Engineering Science	1.871
<input type="checkbox"/> Engineering Structures	1.815
<input type="checkbox"/> Probabilistic Engineering Mechanics	1.742
<input type="checkbox"/> Journal of Engineering Education	1.705
<input type="checkbox"/> Proceedings - International Conference on Data Enginee...	1.690
<input type="checkbox"/> Coastal Engineering	1.638
<input type="checkbox"/> Engineering Fracture Mechanics	1.630
<input type="checkbox"/> Food Engineering Reviews	1.622
<input type="checkbox"/> Reliability Engineering and System Safety	1.588
<input type="checkbox"/> Computers and Industrial Engineering	1.583
<input type="checkbox"/> Empirical Software Engineering	1.566
<input type="checkbox"/> Journal of Earthquake Engineering	1.549
<input type="checkbox"/> Bulletin of Earthquake Engineering	1.533

SJR | IPP | SNIP | Citations | Documents | % Not cited | % Reviews

SCImago journal rank by year



Note: Scopus does not have complete citation information for articles published before 1996.
Calculations last updated: 13 Jun 2014

Calculations last updated: 13 Jun 2014

Journal Metrics

	Impact Factor™	SNIP & SJR & IPP
Metric	1 st Generation	2 nd & 3 rd Generation
Equation	Concealed	Transparent
Coverage	10,000	19,000
Citation Window	2 & 5 years	3 years

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](#)

About SJR

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

[Learn more](#)

Impact Factor™

A ratio between citations and recent citable items published in a journal; the average number of citations received per published article.

Citations to non-source items (editorials, letters, news items, book reviews, abstracts, etc) may inflate the IF

2008 Impact Factor

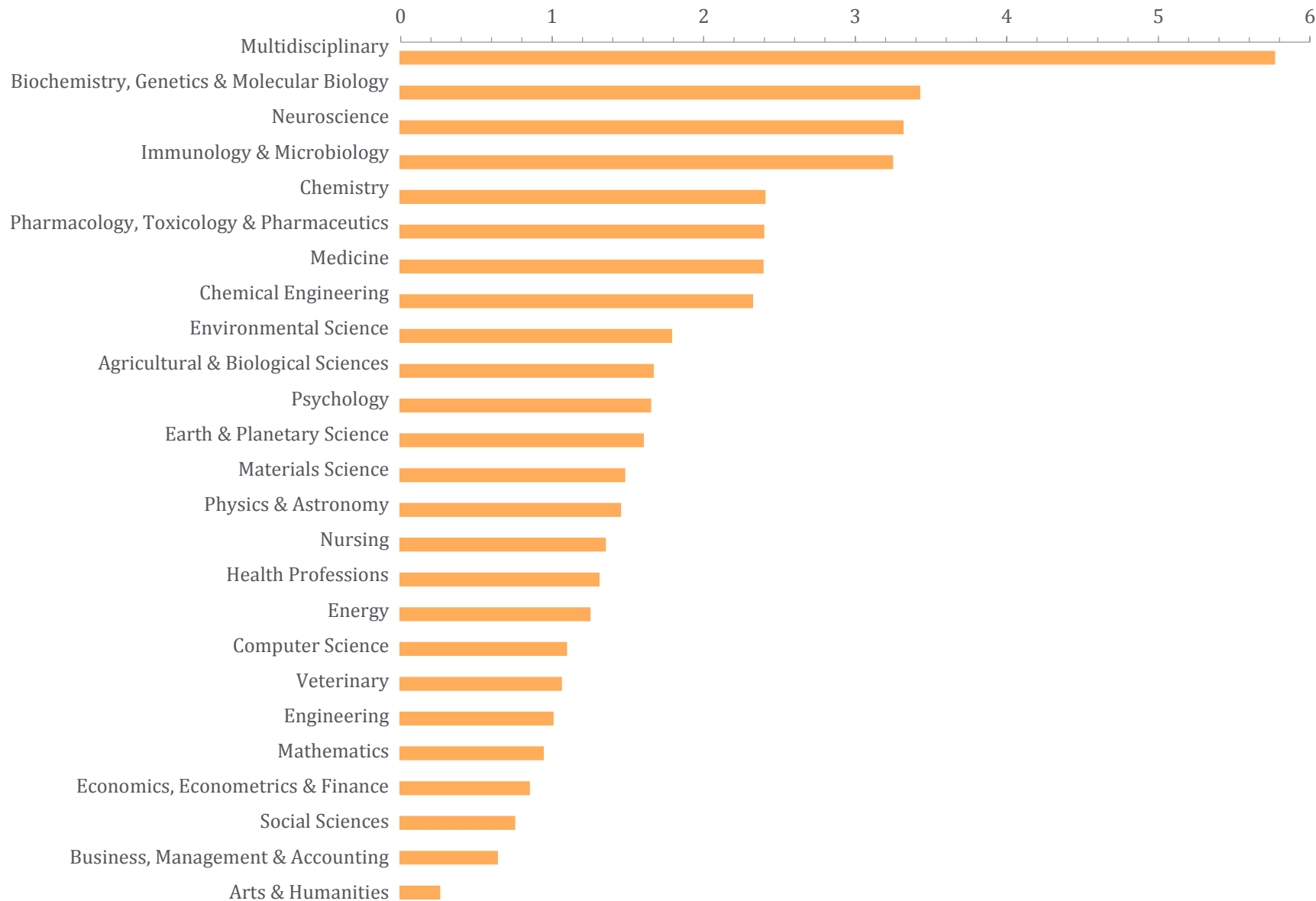
=

A = the number of times that **all items** published in that journal in 2006 and 2007 were cited by indexed publications during 2008.

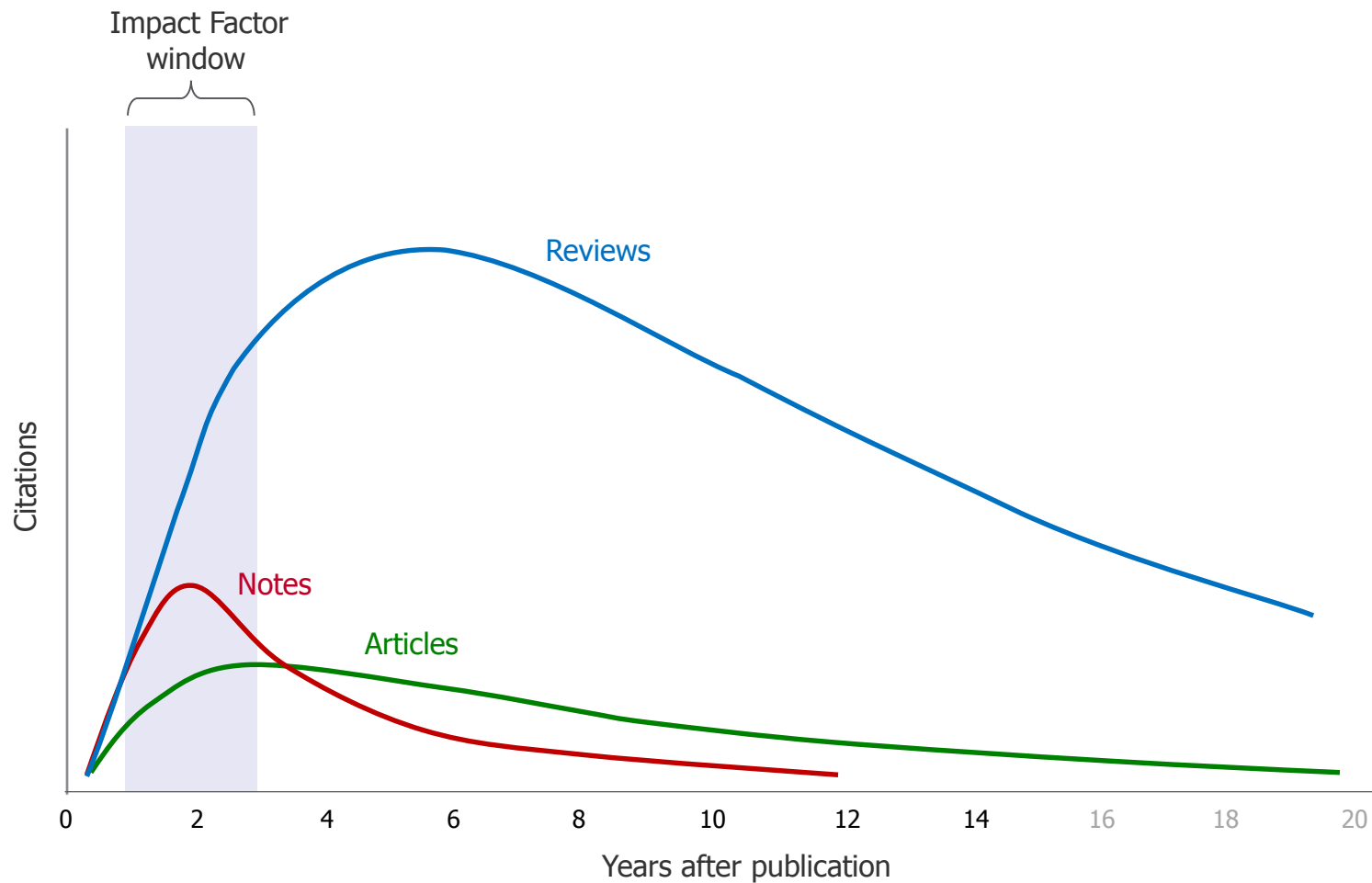
B = the total number of "citable items" published by that journal in 2006 and 2007.

("Citable items" for this calculation are usually articles, reviews, proceedings, or notes; not editorials or letters to the editor).

Influences on the IF: Subject field



Influences on the IF: Article type



Impact Factor doubts

THE CHRONICLE OF HIGHER EDUCATION

October 14 2005

The Number That's Devouring Science

The impact factor, once a simple way to rank scientific journals, has become an unyielding yardstick for hiring, tenure, and grants

By RICHARD MONASTERSKY

THE WALL STREET JOURNAL.

June 5, 2006

Science Journals Artfully Try To Boost Their Rankings

BY

Journal of

Documentation

Vol. 64, Iss. 2 (2008)

Is the impact of journal impact factors decreasing?

Jan Reedijk

Leiden Institute of Chemistry, Leiden University, Leiden, The Netherlands, and

Henk F. Moed

*Centre for Science and Technology Studies (CWTS), Leiden University,
Leiden, The Netherlands*

Alternative calculation of the IF...

Your (real) Impact Factor

$$\text{Impact Factor (corrected)} = \frac{
 \begin{array}{l}
 \# \text{ times your work is cited} \\
 - \# \text{ citations that actually trash your work} \\
 - \# \text{ times you cited yourself (nice try)} \\
 - \# \text{ times you were cited just to pad the introduction section} \\
 - \# \text{ citations the editor pressured the author to include to increase the journal's impact factor}
 \end{array}
 }{
 \begin{array}{l}
 \# \text{ original articles you've written} \\
 + \# \text{ articles you were included in out of pity or politics} \\
 + \# \text{ not-so-original articles you've } \text{~~written~~ \text{ copied and pasted}
 \end{array}
 }$$

JORGE CHAM © 2008
 WWW.PHDCOMICS.COM

Sophisticated Alternatives

About SJR

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

[Learn more](#)

About SNIP

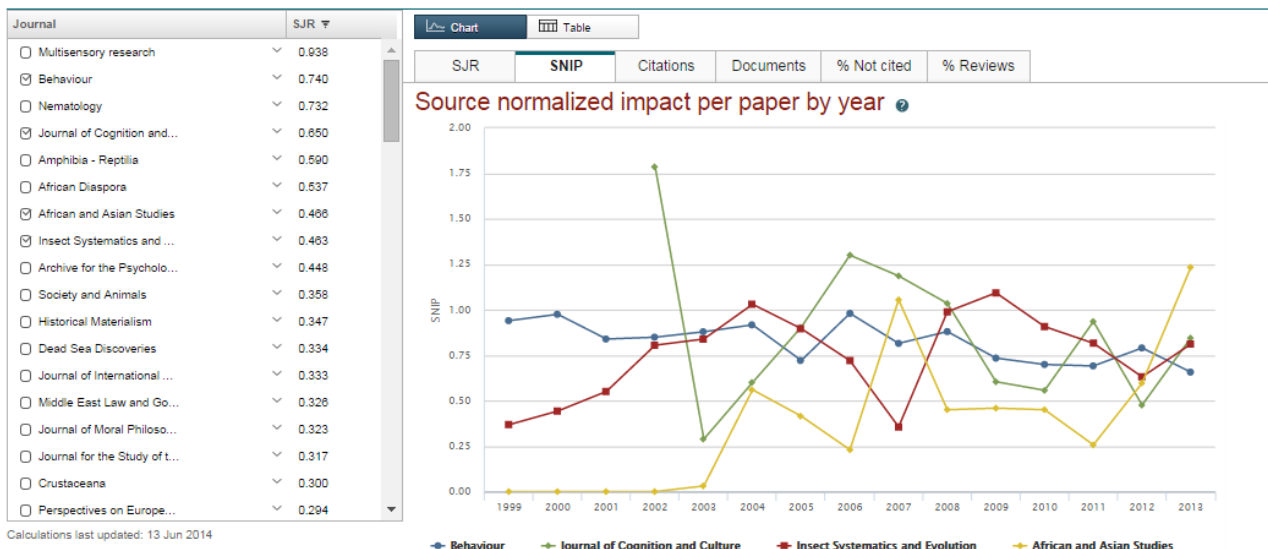
Source Normalized Impact per Paper measures contextual citation impact by weighting citations based on the total number of citations in a subject field.

[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

- **IPP is** raw indication of the average number of citations a publication in a journal will likely receive (based on average)
- **Looks at** citations in a year (Y) to papers published in the three previous years (Y-1, Y-2, Y-3) divided by the number of scholarly papers published in those same years (Y-1, Y-2, Y-3).

Citations in a Year (Y)



Papers published (Y-1, Y-2, Y-3)



3 year citation window

- Using same document types in both the numerator and denominator of the equation provides a fair impact measurement of the journal and diminishes the chance of manipulation.

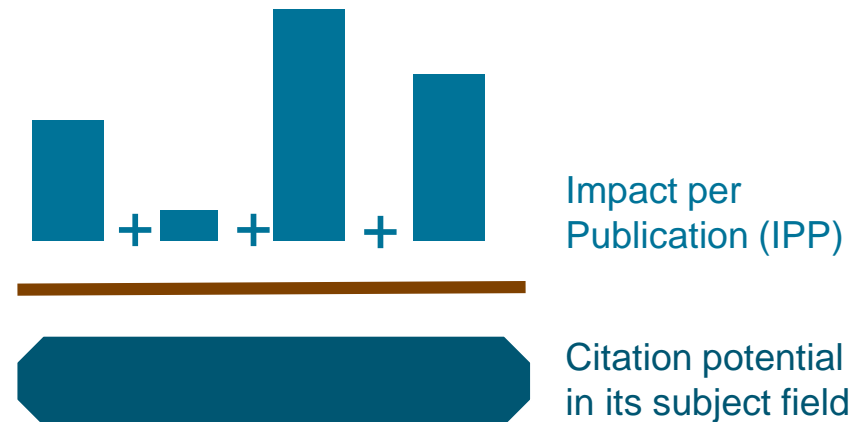


Universiteit Leiden

SNIP: Source-normalized impact per paper

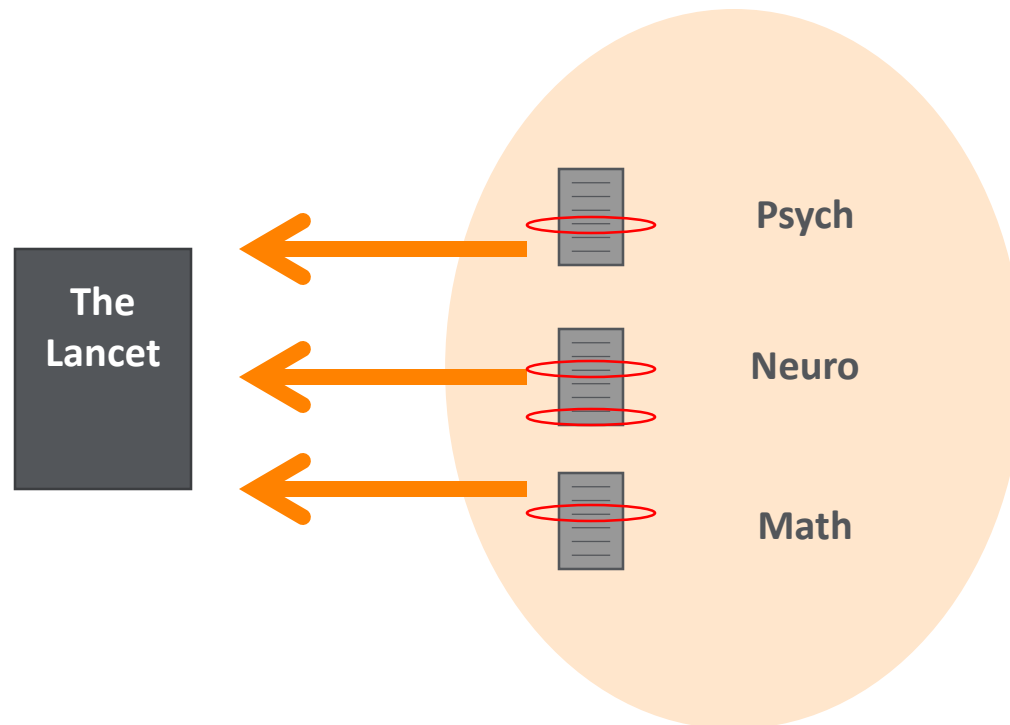
All **20K** journals have a **Source-normalized impact per paper (SNIP)** measuring contextual citation impact by weighting citations per subject field

- 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



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

What is the “Subject Area”?

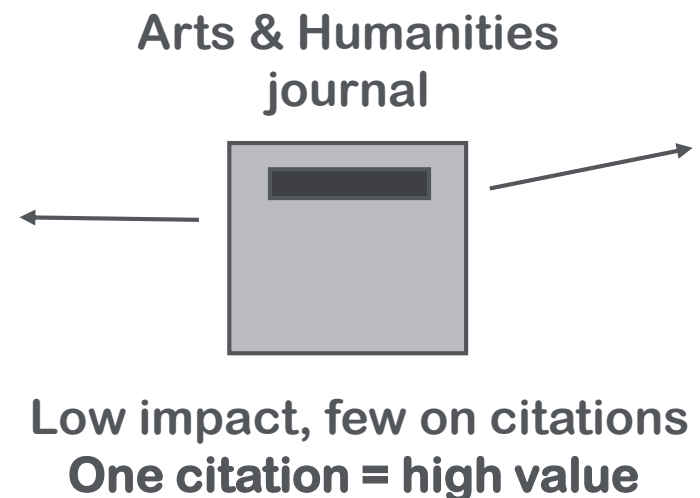
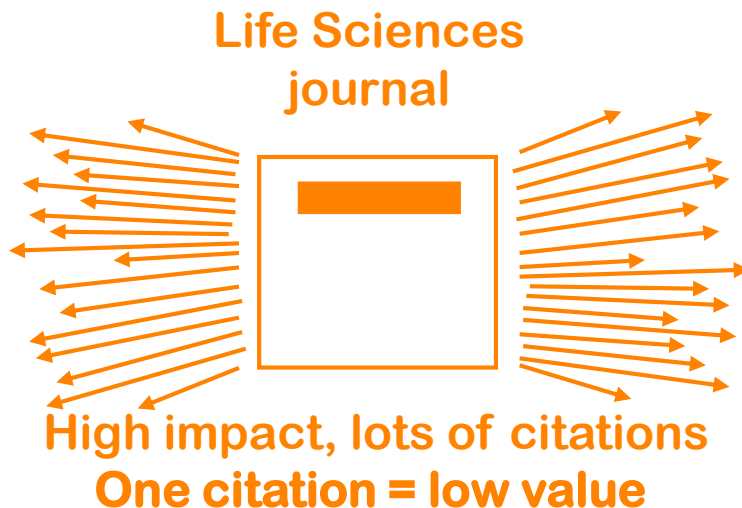


Collection of articles citing the Lancet

SJR: SCImago Journal Rank

All **20K** journals have a **SCImago Journal Rank** (SJR) a prestige metric based on the idea that not all citations are equal

- SJR is a variant of the eigenvector centrality measure used in network theory and is inspired by the PageRank algorithm used in Google.
- Prestige transferred when a journal cites
 - Citations are weighted depending on where they come from
 - journal's prestige is shared equally between its citations



SJR normalizes for differences in citation behaviour between subject fields

Impact Per Publication by year

SJR

IPP

SNIP

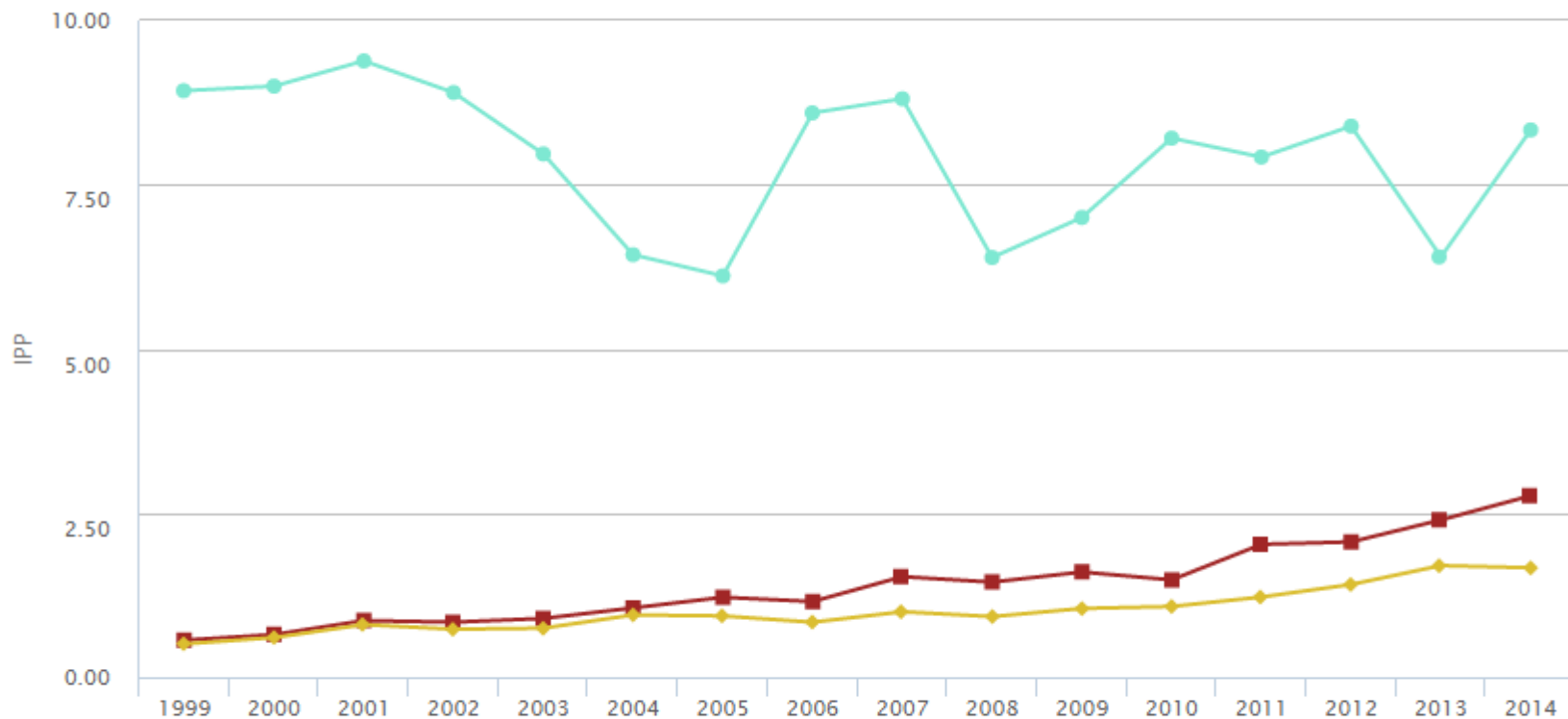
Citations

Documents

% Not cited

% Reviews

Impact per Publication by year ?



- Earthquake Engineering and Structural Dynamics
 Journal of Structural Engineering
 Catalysis Reviews - Science and Engineering

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

Calculations last updated: 13 Jun 2014

SNIP – Source Normalized Impact per Paper

SJR

IPP

SNIP

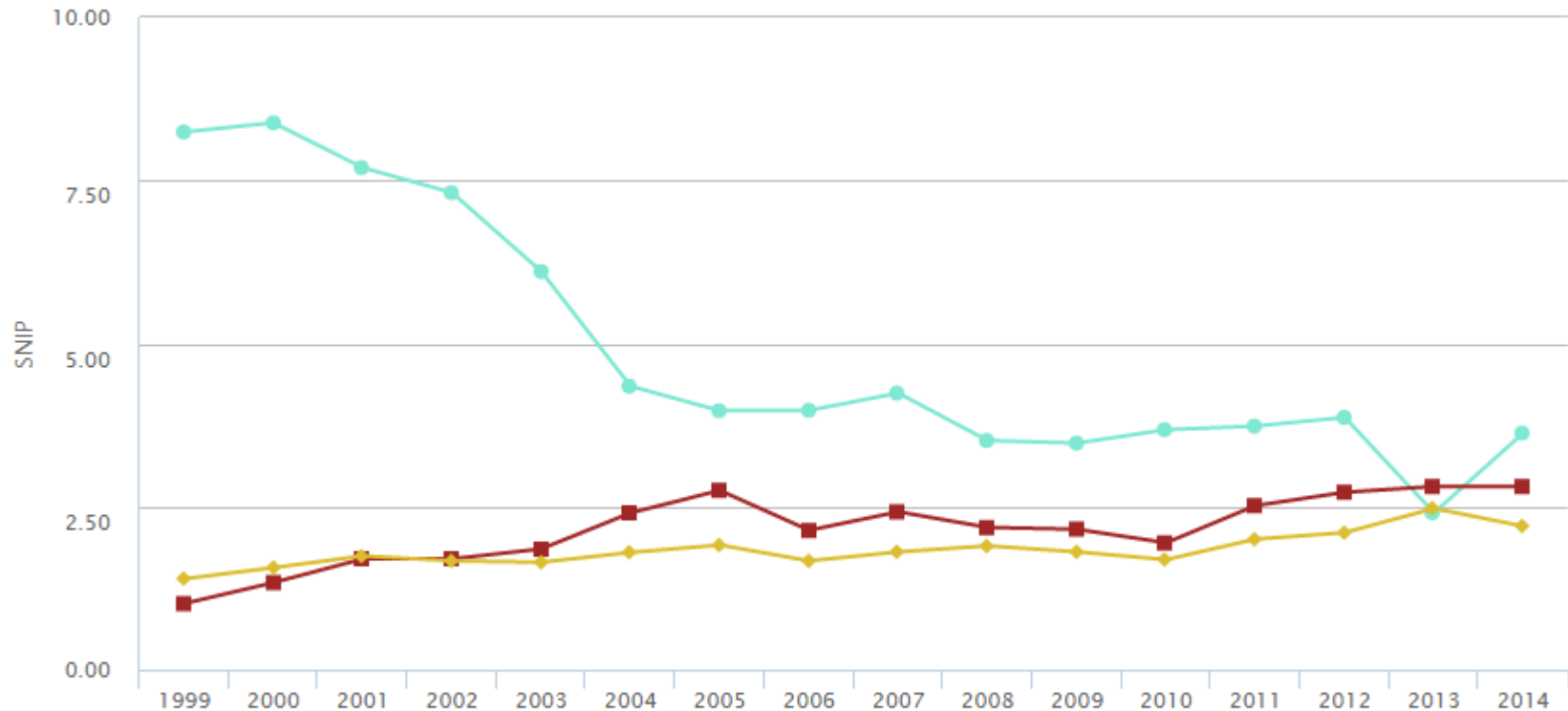
Citations

Documents

% Not cited

% Reviews

Source normalized impact per paper by year ?



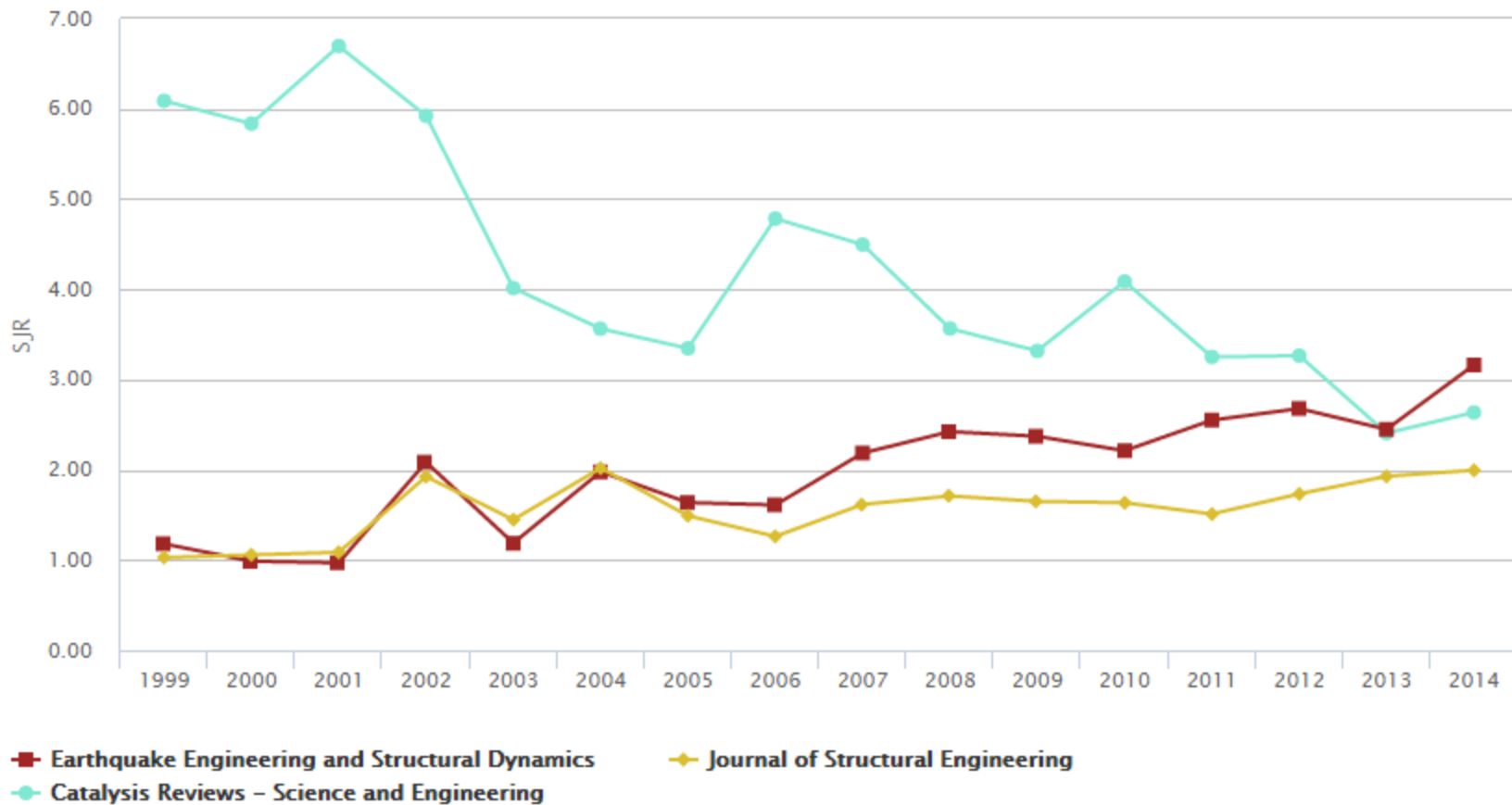
- Earthquake Engineering and Structural Dynamics**
 Journal of Structural Engineering
 Catalysis Reviews - Science and Engineering

Note: Scopus does not have complete citation information for articles published before 1996.
 Calculations last updated: 13 Jun 2014

SJR – SCIMago Journal Rank

SJR	IPP	SNIP	Citations	Documents	% Not cited	% Reviews
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SCImago journal rank by year ?



Note: Scopus does not have complete citation information for articles published before 1996.
Calculations last updated: 13 Jun 2014

Citations

SJR

IPP

SNIP

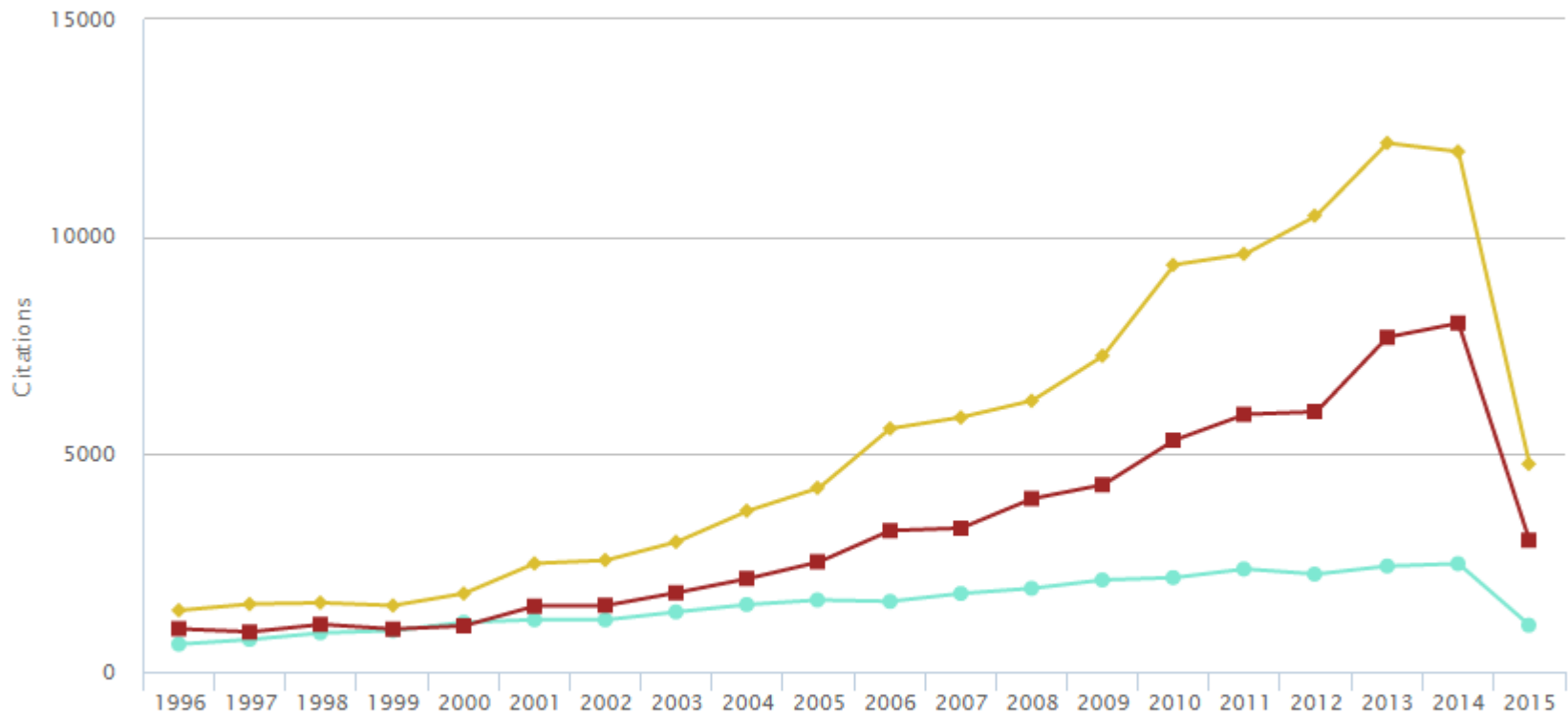
Citations

Documents

% Not cited

% Reviews

Source citations by year Exclude journal self citations



- Earthquake Engineering and Structural Dynamics Journal of Structural Engineering
 Catalysis Reviews - Science and Engineering

Note: Scopus does not have complete citation information for articles published before 1996.
Calculations last updated: 24 Jun 2015

Documents

SJR

IPP

SNIP

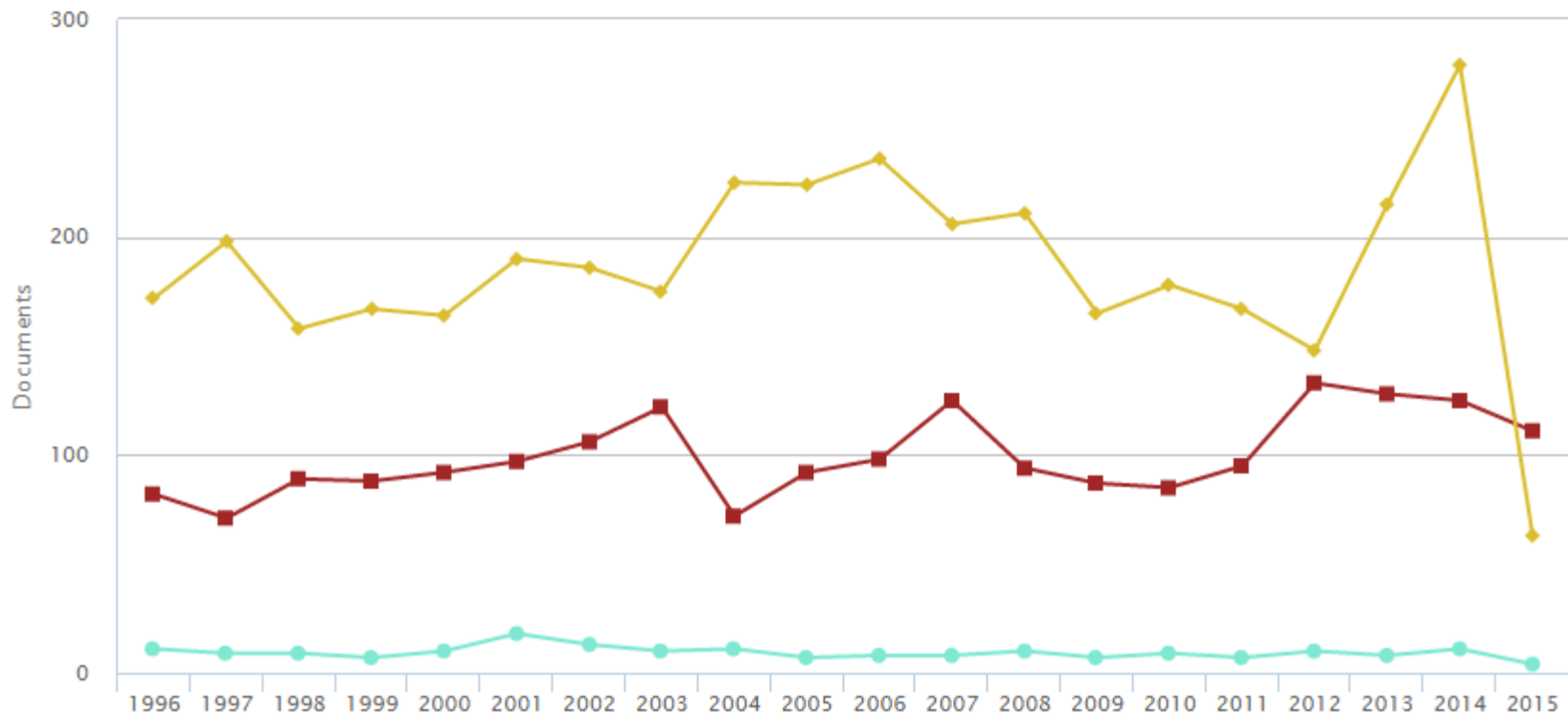
Citations

Documents

% Not cited

% Reviews

Source documents by year



- Earthquake Engineering and Structural Dynamics Journal of Structural Engineering
 Catalysis Reviews - Science and Engineering

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

Calculations last updated: 24 Jun 2015

Percent not Cited

SJR

IPP

SNIP

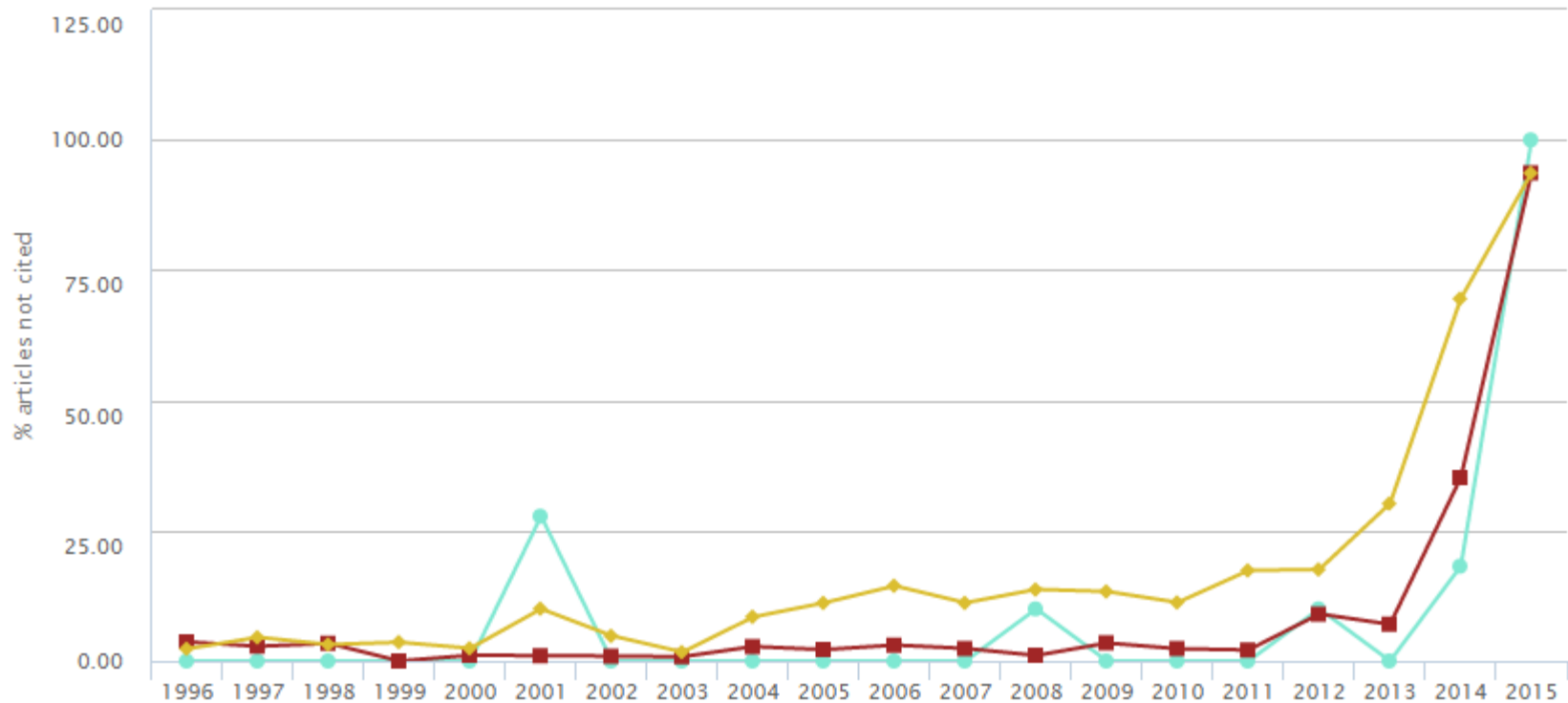
Citations

Documents

% Not cited

% Reviews

Percent of published documents not cited by year Exclude journal self citations



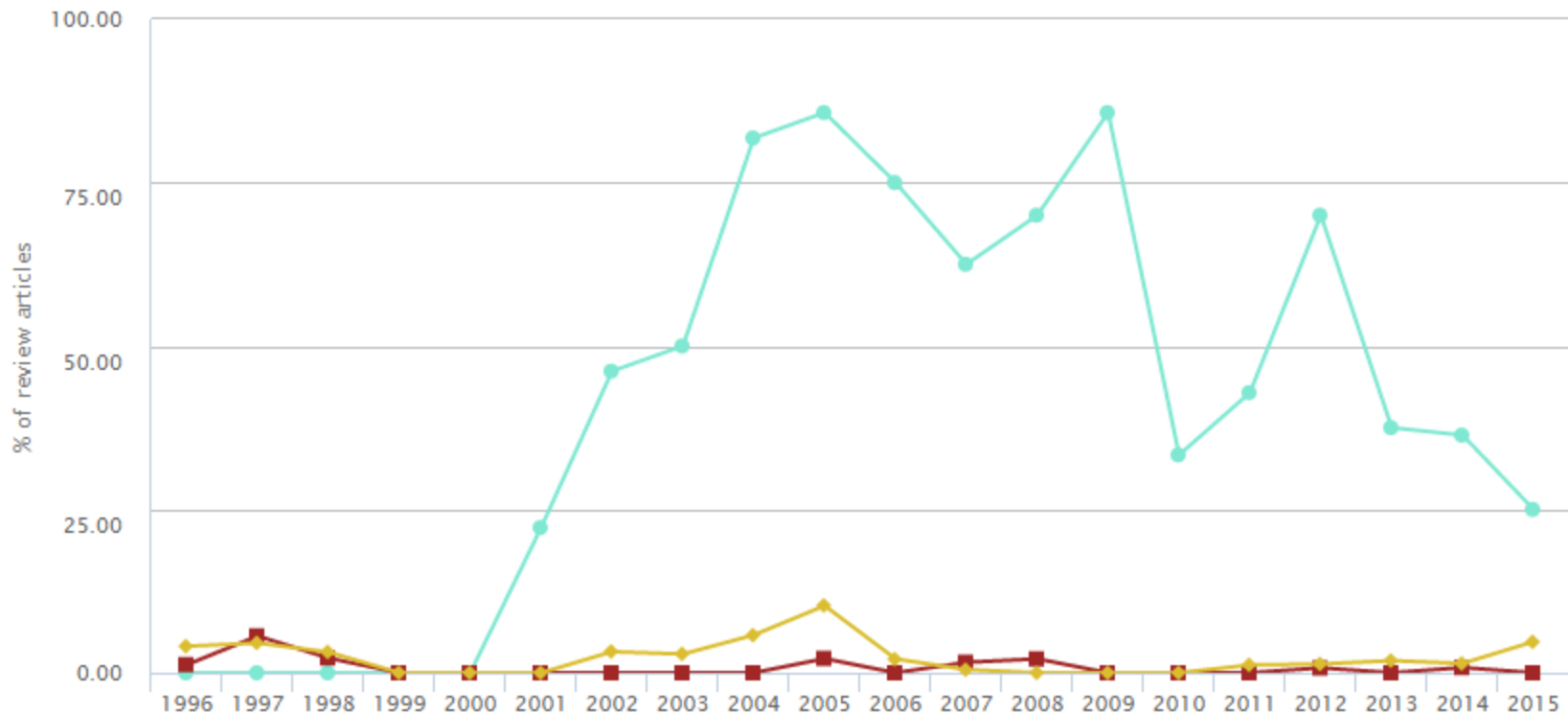
- Earthquake Engineering and Structural Dynamics
- Journal of Structural Engineering
- Catalysis Reviews - Science and Engineering

Note: Scopus does not have complete citation information for articles published before 1996.
Calculations last updated: 24 Jun 2015

Percent Reviews

SJR IPP SNIP Citations Documents % Not cited **% Reviews**

Percent of documents that are review articles by year



Earthquake Engineering and Structural Dynamics
 Journal of Structural Engineering
 Catalysis Reviews - Science and Engineering

Note: Scopus does not have complete citation information for articles published before 1996.
Calculations last updated: 24 Jun 2015

Assignment 5



- Search for “Bulletin of Indonesian Economic Studies” in Scopus
- Is this journal open access?
- Analyze the impact of this journal using SNIP journal metric.
- Compare this journal with other journals (of your choice).

Summary

- **Analytical tools in Scopus, help us not only find papers but analyze groups of papers to help make better decisions and optimize the research process**
 - Analyze search results allows us to analyze the results of any given search
 - Citation overview allows tracking of citations per year
 - Author analysis provides insight into output and impact of any author
 - Journal metrics provide insight into the impact of each journal
 - Journal analyzer allows comparison of journals, based on several metrics
- **The Article Metrics Module in Scopus is new, and provides metrics for every paper in the database**
 - The metrics include citation metrics as well as metrics representing:
 - scholarly activity
 - scholarly commentary
 - mass media
 - social activity
 - These article metrics compliment citation data, to give a more complete picture of how an article is being consumed, and it's impact



Help & Resources

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Scopus 2015 Review, Part 1: More content, but n of quality

Submitted by Susannah Beatty... on Mon, 12/14/2015 - 20:26

As 2015 comes to an end, it's time to reflect upon the year and look at how Scopus has... the next 3 days we share key 2015 Scopus developments and their impact on the research... different focus. This post, part 1, covers content expansion and quality. The next post, pa... functionality. And the final post, part 3, will look at data partnerships.

In terms of content, Scopus has been growing exponentially, but this is not at the expense... know about what's changed for Scopus content in 2015:

1.) CSAB implements additional content quality measures. High content quality has always been important to Scopus and why the independent Scopus... shed in 2005. The... py for any new title... r, as an incentive for

Blog.Scopus.com

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Scopus is the largest abstract and citation database of peer-reviewed literature: scientific journals, books and conference proceedings.

TWEETS 2,481 FOLLOWING 528 FOLLOWERS 15.3K LIKES 400 LISTS 4

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Pinned Tweet

Scopus @Scopus - Nov 27

As of this week, Scopus has added 5 million pre-1996 records including over 93 million references going back to 1970 bit.ly/1Q0ZPyH

18 15

Scopus @Scopus - 15h

How to use Scopus to find opinion leaders in your field in 6 easy steps: blog.scopus.com/posts/how-to-u... #tipsandtricks

Who to follow - Refresh - View all

- Dell South Asia Biz @Dell... Follow Promoted
- Reuters Top News @Re... Follow
- The Associated Press ... Follow

Find friends

Trends - Change #LHFFNY

[Twitter.com/Scopus](https://twitter.com/Scopus)

Live Chat, Help and Tutorials

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 Eg., "heart attack" AND stress


[+ Add search field](#)

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