

Scopus Introduction

Peter Porosz
customer consultant
p.porosz@elsevier.com

Belgrade 23rd January 2015

Agenda

- Scopus at-a-glance
- How Scopus supports the researcher
- What content is in Scopus
- Analysis & Metrics
- Author & Affiliation Profiles
- Who uses Scopus and why



Scopus at-a-glance

The largest abstract and citation database of peer-reviewed research literature from around the world

More than 21,900 titles from more than 5,000 international publishers and 105 different countries

Over 54 million records, 23 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)

Positioning

Scopus is for...

- academics, government researchers and R&D professionals who need
 - a smart, efficient and simple place to discover topics/ideas from relevant global research, track impact, monitor trends, or to decide what, where and with whom to do research

Scopus offers greater benefits than competitive products because it has the...

- broadest coverage of global, curated, relevant research, with smart, simple tools to help track, analyze and visualize research

Researchers face an information overload and a tough battle to get published

Every year, **7 million researchers** write **3 million articles**.

Each article takes at least **3 months** to reach publication and has an average of **4 authors** (or more) and will have been edited at least **10 times**.

Even then it faces a 50% chance of rejection!

Fast facts:

- The average researcher is reading 300+ articles per year*
- Researchers can spend up to 31% of their time on content-related activities**
- US researchers can spend up to 3 months applying for grants (with little success)***



To progress his/her research career, a researcher is faced with this simple fact:

In order to apply for grants, conduct novel research, summarize research findings, or write original research articles.

A researcher must **find**, **read**, and **cite** relevant research material.



How Scopus supports the researcher

Scopus is for academics, government researchers and corporate R&D professionals who need a comprehensive and efficient place to search, discover and analyze research:

- Find out what already exists in the global world of research output
- Determine how to differentiate research topics and find new ideas
- Decide what, where and with whom to partner or collaborate with
- Track impact of research; monitor global research trends
- Identify and analyze which journals to read or where to submit an article
- Help researchers manage their career through citation counts and the *h*-index

What content is in Scopus?



What content does Scopus include?

Over 55M records from **21,912** serial titles and **42,000** books (July 2014)

22M pre 1996 records | 33.0M post 1995 records

- Content from > 5,000 publishers
- “Articles in Press” from > 3,750 titles
- Titles from 105 different countries in all geographical regions
- 40 “local” languages covered
- More than 2,800 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.

What content does Scopus include?

Physical Sciences
6,600

Health Sciences
6,300

Social Sciences
6,350

Life Sciences
4,050

JOURNALS

21,912 peer-reviewed journals
367 trade journals

- Full metadata, abstracts and cited references (pre-1996)
- >2,800 fully Open Access titles
- Going back to 1823
- Funding data from acknowledgements

CONFERENCES

17k events
5.5M records (10%)

Conf. expansion:
1,000 conferences
6,000 conf. events
400k conf. papers
5M citations

Mainly Engineering and Physical Sciences

BOOKS

421 book series
- **28K** Volumes
- 925K items

29,917 books
- 311K items

Books expansion:
75K books by 2015
- Focus on Social Sciences and A&H

PATENTS

24M patents
from 5 major patent offices

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

More on the CSAB...



Titles are selected by the independent Content Selection & Advisory Board (CSAB)

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”

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.

Analysis and Metrics

Evolution of Scopus Analysis Tools



Journal Metrics in Scopus: SNIP & SJR

SNIP



Universiteit Leiden

- SNIP=Sourced Normalized Impact per Paper
- Refined metric calculation, **better corrects for field differences**
- Outlier scores are closer to average
- Readily understandable scoring scale with an average of 1 for easy comparison

www.journalmetrics.com

SJR

SCIMAGO
L A B

- SJR=SCImago Journal Rank
- More prestigious nature of citations that come from within the same, or a closely related field
- **Overcome the tendency for prestige scores the quantity of journals increases**
- Readily understandable scoring scale with an average of 1 for easy comparison

Journal Analyzer

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Journal Analyzer

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Show SJR SNIP ISSN

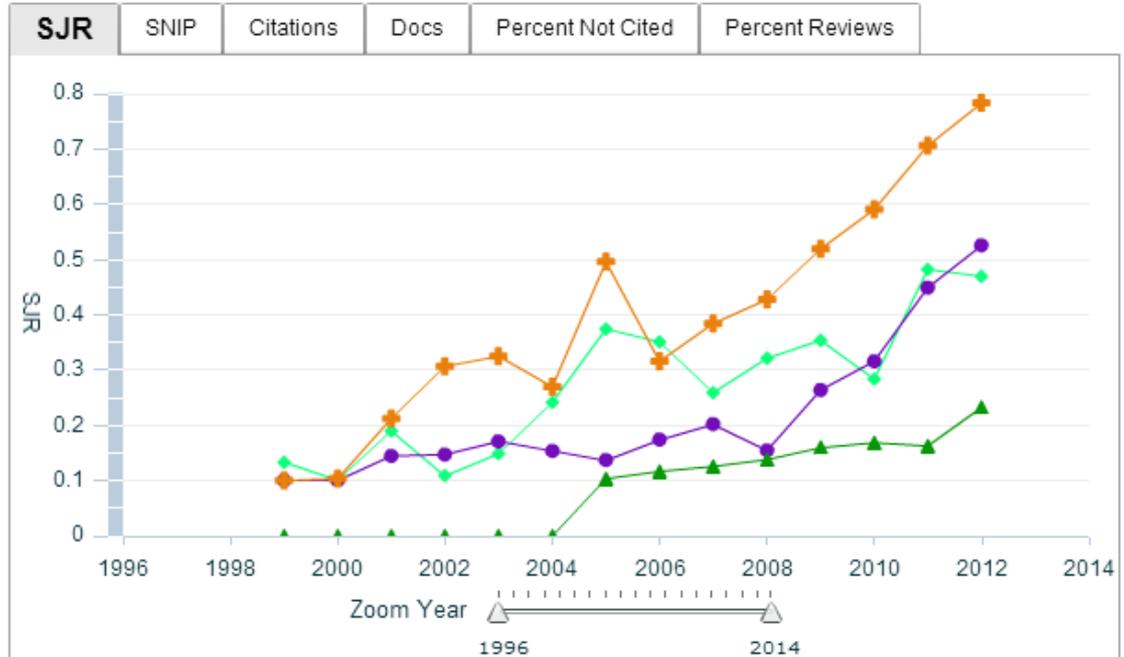
Results: 31 Sources Found (Double-click or drag to add)

Journal Title	SJR
Nongye Gongcheng Xuebao/Transactions of the Chine	0.290
Nongye Jixie Xuebao/Transactions of the Chinese Soci	0.359
Shuidonglixue Yanjiu yu Jinzhan / Journal of Hydrodyn	0.333
Yanshilixue Yu Gongcheng Xuebao/Chinese Journal of	1.173
Ying Yong Li Xue Xue Bao/Chinese Journal of Applied	0.149
Zhongguo Dianji Gongcheng Xuebao/Proceedings of th	0.783
Zhongguo Guanxing Jishu Xuebao/Journal of Chinese I	0.328
Zhongguo Jiguang/Chinese Journal of Lasers	0.458
Zhongguo Shengwu Yixue Gongcheng Xuebao/Chines	0.109

Calculations Last Updated: 08 Jun 2013

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

[About calculations](#)



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

Calculations Last Updated: 08 Jun 2013

JOURNALS IN CHART

Clear Chart

	Chinese Journal of Aeronautics	Show info	
	Chinese Journal of Mechanical Engineering (English Edition)	Show info	
	Chinese Space Science and Technology	Show info	
	Zhongguo Dianji Gongcheng Xuebao/Proceedings of the Chinese Society of Ele...	Show info	

Altmetric

DOI: 10.1038/srep00570 | PubMed ID: 22880181 | Document Type: Article

References (46)

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- Hosoda, M., Tokonami, S., Sorimachi, A., Monzen, S., Osanai, M., Yamada, M., Kashiwakura, I., (...), Akiba, S.
1 **The time variation of dose rate artificially increased by the Fukushima nuclear crisis**

(2011) *Scientific Reports*, 1, art. no. 087. Cited 13 times.

doi: 10.1038/srep00087

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- Chino, M., Nakayama, H., Nagai, H., Terada, H., Katata, G., Yamazawa, H.
2 **Preliminary estimation of release amounts of ¹³¹I and ¹³⁷Cs accidentally discharged from the Fukushima Daiichi Nuclear power plant into the atmosphere**

(2011) *Journal of Nuclear Science and Technology*, 48 (7), pp. 1129-1134. Cited 139 times.

<http://www.istaq.ist.go.jp/article/jnst/48/7/1129/pdf>

doi: 10.3327/jnst.48.1129

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- Stohl, A.
3 **Xenon-133 and caesium-137 releases into the atmosphere from the Fukushima Dai-ichi nuclear power plant: Determination of the source term, atmospheric dispersion, and deposition**

(2011) *Atmos. Chem. Phys. Discuss*, 11, pp. 28319-28394. Cited 51 times.

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- Yasunari, T.J., Stohl, A., Hayano, R.S., Burkhart, J.F., Eckhardt, S., Yasunari, T.
4 **Cesium-137 deposition and contamination of Japanese soils due to the Fukushima nuclear accident**

(2011) *Proceedings of the National Academy of Sciences of the United States of America*, 108 (49), pp. 19530-19534. Cited 82 times.

<http://www.pnas.org/content/108/49/19530.full.pdf+html>

doi: 10.1073/pnas.1112058108

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- Kinoshita, N., Sueki, K., Sasa, K., Kitagawa, J.-I., Ikarashi, S., Nishimura, T., Wong, Y.-S., (...), Yamagata, T.
5 **Assessment of individual radionuclide distributions from the Fukushima nuclear accident covering central-east Japan**

(2011) *Proceedings of the National Academy of Sciences of the United States of America*, 108 (49), pp. 19526-19529. Cited 59 times.

<http://www.pnas.org/content/108/49/19526.full.pdf+html>

doi: 10.1073/pnas.1111724108

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- Hirose, K.
6 **2011 Fukushima Dai-ichi nuclear power plant accident: Summary of regional radioactive deposition monitoring results**

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Size-selective self-assembly of magnetic Mn nanoclusters on Si(111)	Niu, C.-Y., Wang, J.-T., Wang, E., Chen, C.	2013	Journal of Chemical Physics	0
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The effect of the electron-phonon coupling on the thermal conductivity of silicon nanowires	Wan, W., Xiong, B., Zhang, W., Feng, J., Wang, E.	2012	Journal of Physics Condensed Matter	0
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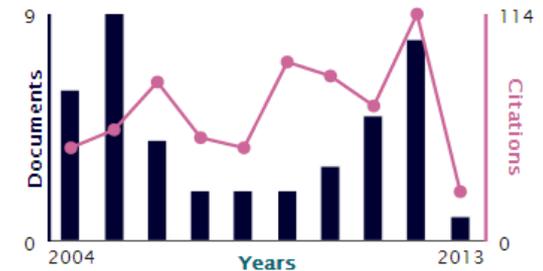
Controlled oxidative functionalization of monolayer graphene by water-vapor plasma etching	Liu, L., Xie, D., Wu, M., (...), Bai, X., Wang, E.	2012	Carbon	0
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Ultralong aligned single-walled carbon nanotubes on flexible fluorphlogopite mica for strain sensors	Wu, M., Liu, K., Wang, W., (...), Bai, X., Wang, E.	2012	Nano Research	0
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Publication range: 1985 - 2013

References: 894

Source history:

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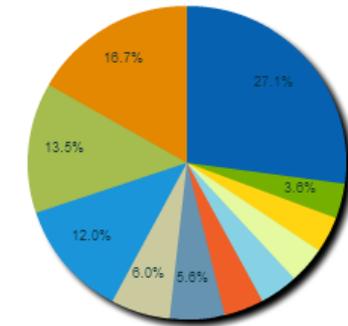
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- **Agricultural and Biological...**
- **Earth and Planetary Sciences**
- **Engineering**
- **Psychology**
- **Neuroscience**
- **Other**

Documents: 82,003
Authors: 18,138
Patent results: 1,865

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- Yale University School of Medicine
- Massachusetts Institute of Technology
- Harvard University
- University of Pennsylvania
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Documents

3,180
2,208
2,112
1,960
1,826

Sources

- Journal of the American Chemical Society
- Physical Review Letters
- Science
- Proceedings of the National Academy of Sciences of the United States of America
- Physical Review
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Documents

2,167
1,738
1,435
1,405
1,159

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Who uses Scopus and why?



Who is Scopus for and what are the key benefits?

Scopus is for **academics, government researchers and corporate R&D** professionals who need to:

- Find out what research already exists
- Find new ideas
- Decide what, where and with whom to collaborate
- Track impact of research; monitor global research trends
- Identify which journals to read or where to submit an article
- Help researchers manage their career through citation counts and the *h*-index

The screenshot displays the Scopus search results page for the query 'TITLE-ABS-KEY (stress)'. The interface includes a navigation bar with 'Search', 'Alerts', 'My list', and 'Settings'. The search results are sorted by 'Date' and show 1,591,097 document results. The results are presented in a table with columns for title, authors, year, journal, and citation count. The table is filtered by 'Year' (2010-2014) and 'Subject Area' (Engineering, Medicine, Biochemistry and Molecular Biology).

Title	Author(s)	Year	Journal	Citation Count
Oxidative stress responses to a graded maximal exercise test in older adults following explosive-type resistance training	Ceci, R., Beltran Valis, M.R., Duranti, G., (...), Parisi, A., Caporossi, D.	2014	Redox Biology	0
Stress-induced changes in wheat grain composition and quality	Ashraf, M.	2014	Critical Reviews in Food Science and Nutrition	0
Eliminating heat treatment of hot-rolled steel in stress abrasion wear applications	El-Fawkhy, M.K., Fathy, A.M., Eissa, M.M., El-Faramawy, H.	2014	International Journal of Metalcasting	0
Predictors of depressive symptoms in older rural couples: The impact of work, stress and health	Rayens, M.K., Reed, D.B.	2014	Journal of Rural Health	0
Under stress	Waxman, L., Vilivalam, V., Liu, D.	2014	Pharmaceutical Manufacturing and Packaging Sourcer	0
New unibody clamp anchors for posttensioning carbon-fiber-reinforced polymer rods	Burningham, C.A., Pantelides, C.P., Reaveley, L.D.	2014	PCI Journal	0

Scopus supports the goals of users at both the institutional and individual level

POST-DOC RESEARCHER

- How do I make sure I don't miss any relevant information?
- How can I get a quick overview of a new subject area?
- Which journals should I publish in to make myself more visible to the research community?
- How can I get tenure and advance my career?
- How do I find funding?

SENIOR RESEARCHER

- How do I compare myself and my research team against peers?
- How many times have I been cited by others?
- Who should I collaborate with to increase my chances of publishing successfully and getting cited?
- How do I get funding?

LIBRARIAN

- How can I make best use of our library resources?
- Do my patrons have access to the broadest and most recent research literature?

DEAN OF RESEARCH

- How can I increase and optimize deployment of institutional resources and funding?
- How can I increase my organization's prestige and ranking?
- How can I increase department/institute productivity systematically?

CORPORATE RESEARCHER / INFORMATION SPECIALIST

- How can I get a quick overview of a new subject area?
- What are my competitors working on?
- Who is the key opinion leader in a specific area?
- How can I increase productivity and decrease cost/time to market?
- How can I make the most of my company's resources?

In their own words...



Researcher

“I aspire to identify and resolve, previously unanswered, issues in my field of expertise and get fair recognition for my work.”

“I aspire to collect and provide access to relevant content to empower my students and researchers to deliver excellent work efficiently.”



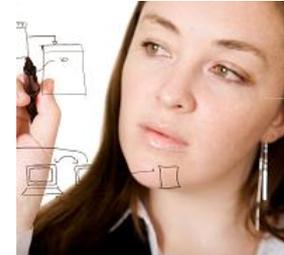
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Dean

“I aspire to enable my institution to perform the highest impact research and offer the most highly recognized education in its areas of expertise.”

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Titles		
CTO, VP Technology VP of R&D, Head of R&D Head of Engineering Chief Architect, R&D Manager	Director Research Scientist Research Manager	Scientists, chemists, biologists, materials scientists, information professionals/librarians
Key Responsibilities		
Manage the development of new technologies and processes, product roadmap, strategy, execution	Plan product improvements Keep up with changes in science, technology Monitor competitors	Conducts scientific experiments to achieve specific research outcomes Research existing methods/ technology
Role in Buying Process		
Considers best solutions for a needed info tool, determines funding	Presents team needs to the buyer, has to champion the trial/evaluation process	May evaluate the service or be consulted on how the tool meets the research needs

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Scopus blog

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The new Scopus author profile page has arrived

Submitted by Elizabeth Dyas on Tue, 06/03/2014 - 07:57

In conjunction with this year's Scopus 10 year anniversary, the team embarked on a site improvement program that resulted in the launch of a more streamlined interface in February. With the overall Scopus house looking better it was time to give the Author Profile page a closer look.

Newly revamped, old distractions on the Author Profile page are gone and the best tools remain. For example, if an ORCID ID is associated with a Scopus profile then a link to that ORCID will display on the author detail page. Additionally, a new graph added to the sidebar gives a quick overview of an author's recent productivity. Best of all, users can sort "Document" and "Cited-by" lists without having to leave the author profile or reload the page.

We've learned a lot in 10 years, especially that author's need fewer obstacles and better tools for boosting the visibility of their work.

This is an ideal time to check and update your profile using the Scopus Author Feedback wizard. You can

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