Scopus 10th Anniversary: Imagine Tomorrow

Special Libraries Association – Vancouver, BC – June 8, 2014

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Sr. Product Manager, Scopus
habib@elsevier.com
twitter.com/habib
orcid.org/0000-0002-8860-7565
What content does Scopus include?

53.3M records from 21,912 serial titles and 30,000 books
21.3M pre 1996 records | 32.0M 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?

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>JOURNALS</strong></td>
<td></td>
</tr>
<tr>
<td>Physical Sciences</td>
<td>6,600</td>
</tr>
<tr>
<td>Health Sciences</td>
<td>6,300</td>
</tr>
<tr>
<td>Social Sciences</td>
<td>6,350</td>
</tr>
<tr>
<td>Life Sciences</td>
<td>4,050</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td></td>
</tr>
<tr>
<td>20,874 peer-reviewed journals</td>
<td></td>
</tr>
<tr>
<td>367 trade journals</td>
<td></td>
</tr>
<tr>
<td>- Full metadata, abstracts and cited references (pre-1996)</td>
<td></td>
</tr>
<tr>
<td>- &gt;2,800 fully Open Access titles</td>
<td></td>
</tr>
<tr>
<td>- Going back to 1823</td>
<td></td>
</tr>
<tr>
<td>- Funding data from acknowledgements</td>
<td></td>
</tr>
<tr>
<td><strong>CONFERENCES</strong></td>
<td></td>
</tr>
<tr>
<td>17k events</td>
<td></td>
</tr>
<tr>
<td>5.5M records (10%)</td>
<td></td>
</tr>
<tr>
<td>Conf. expansion:</td>
<td></td>
</tr>
<tr>
<td>1,000 conferences</td>
<td></td>
</tr>
<tr>
<td>6,000 conf. events</td>
<td></td>
</tr>
<tr>
<td>400k conf. papers</td>
<td></td>
</tr>
<tr>
<td>5M citations</td>
<td></td>
</tr>
<tr>
<td>Mainly Engineering and Physical Sciences</td>
<td></td>
</tr>
<tr>
<td><strong>BOOKS</strong></td>
<td></td>
</tr>
<tr>
<td>421 book series</td>
<td></td>
</tr>
<tr>
<td>- 28K Volumes</td>
<td></td>
</tr>
<tr>
<td>- 925K items</td>
<td></td>
</tr>
<tr>
<td>29,917 books</td>
<td></td>
</tr>
<tr>
<td>- 311K items</td>
<td></td>
</tr>
<tr>
<td>Books expansion:</td>
<td></td>
</tr>
<tr>
<td>75K books by 2015</td>
<td></td>
</tr>
<tr>
<td>- Focus on Social Sciences and A&amp;H</td>
<td></td>
</tr>
<tr>
<td><strong>PATENTS</strong></td>
<td></td>
</tr>
<tr>
<td>24M patents from 5 major patent offices</td>
<td></td>
</tr>
</tbody>
</table>
More on the CSAB…

- Titles are selected by the independent Content Selection & Advisory Board (CSAB)
- The CSAB is chosen for their expertise in specific subject areas; many will have previously been (Elsevier) Editors
How does Scopus choose serial content?

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

<table>
<thead>
<tr>
<th>Peer-review</th>
<th>English abstracts</th>
<th>Regular publication</th>
<th>Roman script references</th>
<th>Pub. ethics statement</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Journal Policy</th>
<th>Quality of Content</th>
<th>Journal Standing</th>
<th>Regularity</th>
<th>Online Availability</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Convincing editorial concept/policy</td>
<td>• Academic contribution to the field</td>
<td>• Citedness of journal articles in Scopus</td>
<td>• No delay in publication schedule</td>
<td>• Content available online</td>
</tr>
<tr>
<td>• Type of peer-review</td>
<td>• Clarity of abstracts</td>
<td>• Editor standing</td>
<td></td>
<td>• English-language journal home page</td>
</tr>
<tr>
<td>• Diversity geographic distribution of editors</td>
<td>• Quality and conformity with stated aims &amp; scope</td>
<td></td>
<td></td>
<td>• Quality of home page</td>
</tr>
<tr>
<td>• Diversity geographic distribution of authors</td>
<td>• Readability of articles</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Info: [http://www.elsevier.com/online-tools/scopus/content-overview](http://www.elsevier.com/online-tools/scopus/content-overview)
Questions: titlesuggestion@scopus.com
Books expansion program

(plus ~28K book Volumes from series)

Coverage years
- Back to 2005 (2003 for A&H)

Number of books
- 75,000 over three years; 10,000 each year thereafter

Book types
- Monographs, edited volumes, major reference works, graduate level text books

Already in Scopus:

## Conference expansion – project status

<table>
<thead>
<tr>
<th></th>
<th>Oct 2013 status</th>
<th>June 2014 target</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conference titles</td>
<td>704</td>
<td>1,000</td>
</tr>
<tr>
<td>Conference events</td>
<td>3,675</td>
<td>5,600 – 6,000</td>
</tr>
<tr>
<td>Conference papers</td>
<td>250,000</td>
<td>375,000 – 400,000</td>
</tr>
<tr>
<td>References*</td>
<td>3.3 Million</td>
<td>4.95 Million – 5.28 Million</td>
</tr>
</tbody>
</table>

*References added to Scopus Citations cover period 2005 to present
Scopus cited references expansion program

Scopus will add cited references to 8 Million pre-1996 articles going back to 1970.
Why add cited references to the archives?

- **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 back files — for both individual assessment and (historical) trend analysis

- **Increase**
  - The *accuracy* of Scopus Author Profiles (ex: for evaluation purposes) for older researchers and decision makers

By adding pre-1996 cited references, the citation counts of back files and profiles of older authors will be more accurate.

With more **accurate citation data** of older content, it is possible to do research assessment and trend analysis including pre-1996 content. Also, the *h-index of older researchers* — often decision makers — will be more accurate.
The Challenge: Scholarly Name Ambiguity

Many researchers that too closely resemble one another.

Researchers publish under name variations.

Dr. Smith  Dr. Smith  Dr. Smith

Dr. Smith  Dr. J. Smith  Dr. James Smith
Scopus Profile Organization

The Vast Universe of Research

The most powerful **ALGORITHMIC** data processing in the industry

MANUAL feedback via the Author Feedback Wizard

Groups papers to a profile with high degree of accuracy based on matching of name, email, affiliation, subject area, citations, co-authors,...

Combines the starting point from the algorithm profiles and the manual feedback to **create the most accurate profiles with the least effort.**

Scopus Author/Affiliation Profiles
**ORCID Mission:**
ORCID aims to solve the name ambiguity problem in research and scholarly communications by creating a central registry of unique identifiers for individual researchers.

**Dr. Smith**
**Dr. J. Smith**
**Dr. James Smith**

**The Solution:** The ORCID Registry

![ORCID Registry screenshot](image)
Authors can use Scopus to populate their ORCID profile via Scopus Author Profiles, the Scopus2ORCID Wizard at orcid.scopusfeedback.com or from ORCID!
Statistics

This page shows usage statistics of the Scopus 2 ORCID wizard, these stats are updated every 24 hours.

Number of distinct ORCIDs that were matched to a single Scopus Author ID: 66,432
Total number of works submitted to distinct ORCIDs: 2,032,946
Total number of distinct works submitted to distinct ORCIDs: 1,744,696

ORCID Statistics

<table>
<thead>
<tr>
<th>Category</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>Live ORCID iDs</td>
<td>717,161</td>
</tr>
<tr>
<td>ORCID iDs with at least one work</td>
<td>143,310</td>
</tr>
<tr>
<td>Works</td>
<td>4,179,805</td>
</tr>
<tr>
<td>Works with unique DOIs</td>
<td>2,136,819</td>
</tr>
</tbody>
</table>
### Geo count

This page shows the number of distinct ORCID IDs submitted per country by the Scopus 2 ORCID wizard. (based on IP-address)

<table>
<thead>
<tr>
<th>#</th>
<th>Count</th>
<th>Country</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>Portugal</td>
<td>12388</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>United States</td>
<td>8605</td>
</tr>
<tr>
<td>3</td>
<td></td>
<td>Spain</td>
<td>5111</td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>Italy</td>
<td>4487</td>
</tr>
<tr>
<td>5</td>
<td></td>
<td>United Kingdom</td>
<td>3803</td>
</tr>
<tr>
<td>6</td>
<td></td>
<td>Brazil</td>
<td>2702</td>
</tr>
<tr>
<td>7</td>
<td></td>
<td>Australia</td>
<td>2511</td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>Germany</td>
<td>2107</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>India</td>
<td>2005</td>
</tr>
<tr>
<td>10</td>
<td></td>
<td>Russia</td>
<td>1921</td>
</tr>
<tr>
<td>11</td>
<td></td>
<td>France</td>
<td>1644</td>
</tr>
<tr>
<td>12</td>
<td></td>
<td>Canada</td>
<td>1312</td>
</tr>
<tr>
<td>13</td>
<td></td>
<td>Netherlands</td>
<td>1086</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>Malaysia</td>
<td>1070</td>
</tr>
<tr>
<td>15</td>
<td></td>
<td>China</td>
<td>1044</td>
</tr>
<tr>
<td>16</td>
<td></td>
<td>Japan</td>
<td>966</td>
</tr>
</tbody>
</table>
FCT Portugal Evaluation of R & D units in 2013

Requests since Nov 2013 with email that ends in ".pt" by day

ORCID count

Date


0 100 200 300 400 500 600 700

Retrieved: 30-May-2014
Search by ORCID ID for Scopus Author Profiles

**Expected Q3/Q4 – Design above representative**
Pure will be able to retrieve Scopus Author ID (and associated documents) via ORCID ID search on Scopus APIs

**Expected Q4/Q1 - Search by ORCID ID for Documents**
Populate a CRIS with new documents published with an ORCID and Indexed in Scopus
A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination

Yu, J., Wang, S., Ge, L., Ge, S.

2012

Biosensors and Bioelectronics

56

Cited by

Full Text

View at publisher

A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination

Yu, J., Wang, S., Ge, L., Ge, S.

2012

Biosensors and Bioelectronics

56

Cited by

Full Text

View at publisher

Graphene oxide (GO) can be reduced and decorated by bovine serum albumin (BSA) at suitable pH and temperature. The resulting bioconjugates between BSA and GO or reduced GO are ideal templates for highly efficient assembly of a variety of nanoparticles with dramatically different compositions, sizes, shapes, and properties. This methodology offers a novel route to develop novel graphene oxide-based hybrid nanocomposites with enhanced applications.
Documents: 22
Citations: 39 total citations by 33 documents
h-Index: 3
Co-Authors: 55
Subject area: Engineering, Computer Science, Social Sciences, Mathematics

Title font, author name, affiliation name
Yu, J., Wang, S., Ge, L., Ge, S.
2012
Biosensors and Bioelectronics

A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination
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2012
Biosensors and Bioelectronics

Graphene oxide (GO) can be reduced and decorated by bovine serum albumin (BSA) at suitable pH and temperature. The resulting bioconjugates between BSA and GO or reduced GO are ideal templates for highly efficient assembly of a variety of bioactive molecules.
A novel chemiluminescence paper microfluidic biosensor based on enzymatic reaction for uric acid determination

Yu, J., Wang, S., Ge, L., Ge, S.

2012

Biosensors and Bioelectronics

56 Cited by

Graphene oxide (GO) can be reduced and decorated by bovine serum albumin (BSA) at suitable pH and temperature. The resulting bioconjugates between BSA and GO or reduced GO are ideal templates for highly efficient assembly of a variety of nanoparticles with dramatically different compositions, sizes, shapes, and properties. This methodology offers a great chance for investigations on the structure-performance relationship of hybrid nanomaterials toward combinatorial material design aiming at special functions and applications.
Lastname,Firstname
Author primary affiliation, City, Country
Author ID: 26427981500

Documents: 22
Citations: 39 total citations by 33 documents
h-Index: 3

Co-Authors: 55
Subject area: Engineering, Computer Science, Social Sciences, Mathematics

22 Documents  |  Cited by 33 documents since 1996  |  55 Co-authors

55 co-authors

Habib, Michael 56
Whitley, Teresa L. 50
Balasubramaniam, Ramesh 46 co-authored documents
Habib, Michael 36 co-authored documents
Whitley, Teresa L. 30
Balasubramaniam, Ramesh 28
Balasubramaniam, Ramesh 25
Habib, Michael 19
Whitley, Teresa L. 15
Balasubramaniam, Ramesh 14
Habib, Michael 10
Whitley, Teresa L. 8

Author history
Publication range: 2008 - 2013
Top published sources:
2008 OIEEE Radar Conference. RADAR 2008
IEEE Communications Letters
2010 International Waveform Diversity and Design Conference, WDD 2010

Views related affiliations
SCOPUS 10TH ANNIVERSARY UPDATE

Special Libraries Association – Vancouver, BC – June 8 2014

Content

Author Profiles & ORCID

Alternative Metrics

Imagine Tomorrow

01

02

03

Content

Author Profiles & ORCID

Alternative Metrics

http://10.scopus.com/
## 6 classes of alternative metrics

<table>
<thead>
<tr>
<th>Class</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1. Scholarly activity</strong></td>
<td>Counts of activity in scholarly platforms eg, Mendeley, Citeulike, Zotero, etc (in use).</td>
</tr>
<tr>
<td><strong>2. Scholarly commentary</strong></td>
<td>Counts (and potentially links) to where scholars have annotated, discussed and reviewed articles, eg, recognized scholarly blogs, F1000 Prime reviews, Publons, Peerpub, Mendeley annotations. Potentially qualitative.</td>
</tr>
<tr>
<td><strong>3. News/Mass Media</strong></td>
<td>Counts and links to scholarly works found in the mass media, eg, NY Times, BBC, HuffPo</td>
</tr>
<tr>
<td><strong>4. Social activity</strong></td>
<td>Counts of links to research material found on generic social networks, eg, Twitter, Facebook, Pinterest, Delicious</td>
</tr>
<tr>
<td><strong>5. Re-use</strong></td>
<td>Indicators for the re-use and citation of scholarly artifacts, primarily data,</td>
</tr>
<tr>
<td><strong>6. Legal, commerce and governance</strong></td>
<td>Indicators for the use and citation of scholarly output by government and governance, eg, policy documents, law, patents</td>
</tr>
</tbody>
</table>
How To Choose a Good Scientific Problem

Alon, U. Department Molecular Cell Biology, Weizmann Institute of Science, Rehovot, 76100, Israel

Abstract

Choosing good problems is essential for being a good scientist. But what is a good problem, and how do you choose one? The subject is not usually discussed explicitly within our profession. Scientists are expected to be smart enough to figure it out on their own and through the observation of their teachers. This lack of explicit discussion leaves a vacuum that can lead to approaches such as choosing problems that can give results that merit publication in valued journals, resulting in a job and tenure. © 2009 Elsevier Inc. All rights reserved.

Indexed keywords

EMTREE medical terms: article; human; medical literature; medical research; occupation; problem based learning; publication; science; scientific literature; scientist; teacher

MeSH: Biomedical Research; Career Choice; Choice Behavior; Education, Graduate; Emotions; Humans; Mentors; Peer Review; Time Factors

Mendeley Readership Statistics Beta launched Mar. 2014

Scholarly activity — indirect measurement of activity by people using scholarly platforms, e.g., Mendeley, Zotero, Citeulike.
The biological impacts of the Fukushima nuclear accident on the pale grass blue butterfly

Hiyama, A.\textsuperscript{a}, Nohara, C.\textsuperscript{a}, Kinjo, S.\textsuperscript{a}, Taira, W.\textsuperscript{a}, Gima, S.\textsuperscript{b}, Tanahara, A.\textsuperscript{b}, Otaki, J.M.\textsuperscript{a}  

\textsuperscript{a} BCPH Unit of Molecular Physiology, Biology and Marine Science, Faculty of Science, Japan  
\textsuperscript{b} Instrumental Research Center, University of the Ryukyus, Nishihara, Okinawa 903-0213, Japan

Scholarly activity

Social activity

Component re-use

Scholarly commentary

Mass media coverage

http://www.scopus.com/record/display.url?eid=2-s2.0-84866094818&origin=resultslist
The biological impacts of the Fukushima nuclear accident on the pale grass blue butterfly

Hiyama, A.\textsuperscript{a}, Nohara, C.\textsuperscript{a}, Kinjo, S.\textsuperscript{a}, Taira, W.\textsuperscript{a}, Gima, S.\textsuperscript{b}, Tanahara, A.\textsuperscript{b}, Otaki, J.M.\textsuperscript{a}

\textsuperscript{a} BCPH Unit of Molecular Physiology, Biology and Marine Science, Faculty of Science, Japan
\textsuperscript{b} Instrumental Research Center, University of the Ryukyus, Nishihara, Okinawa 903-0213, Japan

Scholarly Impact

Cited by 9 documents since 1996

Three-layer GSO depth-of-interaction detector for high-energy gamma camera
Yamamoto, S., Watabe, H., Kawachi, N.

Morphological abnormalities in gall-forming aphids in a radiation-contaminat... area near Fukushima Daiichi: Selective impact of fallout?
Akimoto, S.-i.
(2014) Ecology and Evolution

Accumulation of radioactive cesium released from Fukushima Daiichi nuclear power plant in terrestrial Cyanobacteria Nostoc commune
Sasaki, H., Shirato, S., Tahara, T.
(2013) Microbes and Environments

View all 9 citing documents

Social activity

Component re-use

Scholarly commentary

Mass media coverage
Connecting the dots
Boettiger, Carl
University of California, Santa Cruz.
Department of Applied Mathematics and Statistics, Santa Cruz, United States
Author ID: 15753693500

Documents: 11
Citations: 87 total citations by 70 documents
h Index: 5

References: 282
Co-authors: 12
Subject area: Agricultural and Biological Sciences, Biochemistry, Genetics and Molecular Biology

11 documents (newest first)

Boettiger, C., Hastings, A.
No early warning signals for stochastic transitions: insights from large deviation theory.

Boettiger, C., Hastings, A.
No early warning signals for stochastic transitions: Insights from large deviation theory
(2013) Proceedings of the Royal Society B: Biological Sciences 280 (1766)
Select your Scopus profiles

Please select all profiles that contain publications authored by you and click the next button to continue.

Boettiger, Carl

| Author ID | 15753693500 |
| Documents | 11          |
| Affiliation | University of California, Santa Cruz |

Include the following potential author matches in the request: 

- Boettiger, Carl
- Boettiger, Charlotte Ann: The University of North Carolina at Chapel Hill
- Boettiger, Hans: International Business Machines
- BOETTIGER, L. E.
Personal Information

Biography

Post Doc: UC Santa Cruz, CSTAR
PhD UC Davis, Population Biology
BA Princeton University, Physics

http://carlboettiger.info

Publications

Early warning signals: the charted and uncharted territories: Theoretical Ecology 2013

Tipping points: From patterns to predictions: Nature 2013
DOI: 10.1038/493157a URL: http://www.scopus.com/inward/record.url?eid=2-s2.0-84872122420&partnerID=IN8TOARS
Create profile

### 1: Add articles

- **Added 12 ORCID articles.**
  
  0000-0002-1642-628X

- **Import from Google Scholar** (help)
  
  [Select BibTeX file](#)

- **Article IDs**
  
  Paste DOIs or PubMed IDs (limit 100)

<table>
<thead>
<tr>
<th>DOI 1</th>
<th>DOI 2</th>
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</thead>
<tbody>
<tr>
<td>10.1038.171737a0</td>
<td>13054692</td>
</tr>
</tbody>
</table>

### 2: Add other products

- **Import from GitHub**
  
  username

- **Import from Slideshare**
  
  username

- **Other product IDs**
  
  Paste DOIs or URLs (limit 100)

<table>
<thead>
<tr>
<th>URL 1</th>
<th>URL 2</th>
<th>URL 3</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><a href="http://youtube.com/watch?v=1234">http://youtube.com/watch?v=1234</a></td>
<td></td>
</tr>
</tbody>
</table>

### 3: Add profile info

- **Email**
  
  email

- **Password (at least 4 characters)**
  
  password

- **Your name:**
  
  First name
  Last name

You've imported 12 products.
Carl Boettiger
56 products expand all

article
rfishbase: exploring, manipulating and visualizing FishBase data from R.  
(2012) Boettiger, Lang, Wainwright Journal of fish biology

Early warning signals and the prosecutor's fallacy.  

served by scholars
discussed by public

What do these numbers mean?
cited by scholars

Modeling stabilizing selection: Expanding the Ornstein-Uhlenbeck model of adaptive evolution  
http://impactstory.org/CarlBoettiger
Sync 'Publications' with 'Works'

http://m2id.org/

Community built by Keita Bando, Mendeley Advisor and ORCID Ambassador
Thank you!

Michael Habib, MSLS
Sr. Product Manager, Scopus
habib@elsevier.com
twitter.com/habib
orcid.org/0000-0002-8860-7565