Scopus: how to use analysis tools in your research

Presenter:
Kai Wan
Product Manager Scopus

Moderator:
Susanne Steiginga
Product Manager Scopus Content

April 21, 2016
We suggest viewing the presentation in full screen
Agenda for today’s webinar

• Introduction to Scopus, in brief

• The four main Scopus analysis tools:
  
  (1) Analyze Results
  (2) View Citation Overview
  (3) Browse Source & Compare Journals
  (4) Scopus Profiles – Analyze Author output

• Questions
What you should do if you have questions

You are welcome to submit questions by using the “Ask a Question” feature on your screen. At the end of the presentation, the moderator will choose a few of the questions to answer.
Meet today’s Moderator and Presenter

Your presenter:
Kai Wan
Product Manager Scopus

Your moderator:
Susanne Steiginga
Product Manager Scopus Content
Introduction to Scopus, in brief
What is Scopus?

Scopus is the largest abstract and citation database of peer-reviewed literature, and features smart tools that allow you to track, analyze and visualize scholarly research.
Scopus includes content from more than 5,000 publishers and more than 105 different countries

61.0M records from 22K serials, 90K conferences and >120K books

- Updated daily
- “Articles in Press” from > 3,750 titles
- 40 different languages covered
- 3,715 active Gold Open Access journals indexed

**JOURNALS**

- Physical Sciences 7,443
- Health Sciences 6,795
- Social Sciences 8,086
- Life Sciences 4,492

- 22,460 peer-reviewed journals
- 361 trade journals
- Full metadata, abstracts and cited references (ref’s post-1995 only)

**CONFERENCES**

- 90K conference events
- 7.3M conference papers
- Mainly Engineering and Computer Sciences

**BOOKS**

- 531 book series
- 30K Volumes / 1.2M items
- 123,790 stand-alone books
- >1M items

Focus on Social Sciences and A&H

Source: November 2015 title list at [https://www.elsevier.com/solutions/scopus/content](https://www.elsevier.com/solutions/scopus/content)
Scopus helps researchers succeed with common research workflows

**RESEARCHER NEED**

- Find out what already exists in the global world of research
- Determine how to differentiate research topics, find ideas
- Decide what, where and with whom to partner
- Identify and analyze which journals to read / submit to
- Track impact of research; monitor global research trends
- Help researchers manage career – citation counts and $h$-index

**FEATURES**

- Basic/Advanced Search, Refine Results
- Basic/Advanced Search
- Author/Affiliation Profiles
- Journal Analyzer
- Alerts, Citation Overview, Analyzers, Article Metrics
- Alerts, Author Profiles, Analyzers

Source: Scopus Own Data, Scopus Exit Survey, 2015
Evolution of Analysis Tools in Scopus

2015 – IPP journal metric
04/2014 – Modified SNIP + SJR
06/2012 – Altmetric
01/2012 – Analyze results
2011 – Export Refine
2010 – SNIP & SJR journal metrics
2009 – Author Evaluator
2008 – Compare Journals (Journal Analyzer)
2007 – h-index graph
2006 – Citation Overview (Citation Tracker)
Research Tool #1: Analyze Results
What are scenarios for using the Analyze Results tool?

- Perform basic publication, author and affiliation research output analyses
- Visualize the research landscape holistically
- Provide starting points for your research workflow needs
Use the “refine panel” to narrow down your analysis overview to improve accuracy
Find out more about the research and performance of other authors in your field.
Find out more about the research and performance of other authors in your field.
Review the research output performance of a specific affiliation

<table>
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<tr>
<th>Affiliation</th>
<th>Documents</th>
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<tr>
<td>VA Medical Center</td>
<td>8856</td>
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<tr>
<td>Harvard Medical School</td>
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<td>Brigham and Women’s Hospital</td>
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<td>Karolinska University Hospital</td>
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<tr>
<td>Universidad de San Pablo-H</td>
<td>2334</td>
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View the subject area classification distribution for the selected search results and date range.

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<thead>
<tr>
<th>Subject Area</th>
<th>Documents</th>
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<tr>
<td>Medicine</td>
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<tr>
<td>Biochemistry, Genetics and Molecular...</td>
<td>159544</td>
</tr>
<tr>
<td>Pharmacology, Toxicology and Pharma...</td>
<td>48878</td>
</tr>
<tr>
<td>Nursing</td>
<td>30213</td>
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<tr>
<td>Agricultural and Biological Sciences</td>
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<tr>
<td>Neuroscience</td>
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<tr>
<td>Immunology and Microbiology</td>
<td>18602</td>
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<tr>
<td>Health Professions</td>
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<tr>
<td>Chemistry</td>
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<td>Chemical Engineering</td>
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<tr>
<td>Environmental Science</td>
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<td>Computer Science</td>
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<td>Multidisciplinary</td>
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</table>

Documents by subject area:
- Medicine (81.4%)
- Agricultural and Biological Sciences (23.7%)
- Biochemistry, Genetics and Molecular... (10.2%)
- Pharmacology, Toxicology and Pharma... (8.4%)
- Nursing (4.5%)
- Immunology and Microbiology (3.2%)
- Health Professions (2.8%)
- Neuroscience (2.5%)
- Other (7.5%)
Publications in the subject area “Agricultural and Biological Sciences” that are related to my original diabetes query.
Research Tool #2: View Citation Overview
What are some scenarios for using the View Citation Overview Tool?

- View the citation trend for your specific document (set)
- Find all publications citing a specific document (set)
- Discover the overall impact of publications on the general discourse in a research area
Select documents to view in the Citation Overview Tool

Citation Overview Tool works for up to 2,000 documents

CSV for up to 20,000 documents
Select documents to View in the Citation Overview Tool
This is a citation overview of documents selected. The h-index is 200. The chart shows citations from 2012 to 2016. Click any number to see the set of documents. The table lists documents with their year of publication and citation counts for each year.
Click any citation count from Citation Overview to see the set of papers

Citation Overview results

Heart Disease and Stroke Statistics - 2014 Update. A report from the American Heart Association
Lisabeth L D., Turner M B., Mackey R H., Magid D J., Marcus G M., Marelli A., Matchar D B., (…), Woo D.

*Is cited 1034 times in 2015* by: Back to Citation Overview | Set feed

1,034 document results

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<tr>
<th>Rank</th>
<th>Title</th>
<th>Authors</th>
<th>Year</th>
<th>Cited by</th>
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<tr>
<td>3</td>
<td>Inhibition of Oct 3/4 mitigates the cardiac progenitor-derived myocardial repair in infarcted myocardium</td>
<td>Zhao, Y.T., Du, J., Chen, Y., (…), Zhuang, S., Zhao, T.C.</td>
<td>2015 Stem Cell Research and Therapy</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>NOX4 NADPH oxidase-dependent mitochondrial oxidative stress in aging-associated cardiovascular disease</td>
<td>Vendrov, A.E., Vendrov, K.C., Smith, A., (…), Runge, M.S., Madamanchi, N.R.</td>
<td>2015 Antioxidants and Redox Signaling</td>
<td></td>
</tr>
</tbody>
</table>
Research Tool #3: Browse Sources and Compare Journals
With Browse Source you can do the following:

- Find relevant journals by searching on title / ISSN / publisher.

OR

- Browse for journals by subject areas, source type, subscription status and Open Access status.

After you have selected a journal you can compare it to other journals with the Compare Journals Tool.
What are some scenarios for using the Compare Journals tool?

- Analyze the overall performance trend of a journal by metrics, citation and document count.
- Compare the performance trend of journals to each other.
- Find the best journals to publish in based on your criteria.
How to browse sources and compare a journal with other journals
Browse for specific journals or other serial titles

Search

Browse

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

Search

Browse

2

1,096 sources found matching "engineering"

1. Engineering

2. Display sources

3. Sort on: Source title | SJR | IPP | SNIP

<table>
<thead>
<tr>
<th>Source title</th>
<th>SJR</th>
<th>IPP</th>
<th>SNIP</th>
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</thead>
<tbody>
<tr>
<td>Materials Science and Engineering: R: Reports</td>
<td>4.825</td>
<td>14.333</td>
<td>7.337</td>
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<tr>
<td>Annual Review of Biomedical Engineering</td>
<td>4.148</td>
<td>13.237</td>
<td>4.558</td>
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<tr>
<td>Annual Review of Chemical and Biomolecular Engineering</td>
<td>3.606</td>
<td>9.431</td>
<td>3.769</td>
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<td>Earthquake Engineering and Structural Dynamics</td>
<td>3.160</td>
<td>2.763</td>
<td>2.807</td>
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<tr>
<td>IEEE Transactions on Knowledge and Data Engineering</td>
<td>3.023</td>
<td>3.349</td>
<td>4.088</td>
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</table>
Compare the journal you have selected with other journals

Scopus
To select a year range just “Click and drag” to zoom in

To reset the graph click “Reset zoom”
Research Tool #4: Author Profile Analysis
What are some scenarios for using the Author Profile analysis tools?

- Review your own research performance
- Assess how your peers are performing
- Evaluate your existing or potential co-authors: with whom should I collaborate?
Scopus Author Profile

Dingwell, Donald Bruce
Ludwig-Maximilians-Universität München,
Department of Earth and Environmental Sciences, Munich, Germany
Author ID: 7005003998
http://orcid.org/0000-0002-3332-789X

Documents: 331
Citations: 11125 total citations by 4819 documents
h-index: 55
Co-authors: 150 (maximum 150 co-authors can be displayed)
Subject area: Earth and Planetary Sciences, Materials Science

331 Documents | Cited by 4819 documents | 150 co-authors

- Analyze author output
- View citation overview
- View h-graph

The propagation and seismicity of dyke injection, new experimental evidence
Bakker, R.R., Fazio, M., Benson, P.M., Hess, K.-U., Dingwell, D.B.
2016 Geophysical Research Letters

Volcanic ash melting under conditions relevant to ash turbine interactions
Song, W., Lavallee, Y., Hess, K.-U. (...)
2016 Nature Communications

Follow this Author
Receive emails when this author publishes new articles
- Get citation alerts
- Add to ORCID
- Request author detail corrections

Author History
Publication range: 1984 - Present
References: 6796
Source history:
The Review of scientific instruments
American Mineralogist
Journal of Volcanology and Geothermal Research
View More

Show Related Affiliations
Clicking “Analyze author output” from an Author Profile provides an overview of an author’s publication history and output performance/impact.
Clicking “View citation overview” from an Author Profile provides an overview of an author’s citations.

332 Cited Documents from "Dingwell, Donald Bruce"
Author ID: 7005060998  Back to author details | Save to list

Author h-index: 55  Scopus is in progress of updating pre-1996 cited references going back to 1970. The h-index might increase over time.  View h-graph

Documents

<table>
<thead>
<tr>
<th>Rank</th>
<th>Title</th>
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<th>2012</th>
<th>2013</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>Subtotal</th>
<th>&gt;2016</th>
<th>Total</th>
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<tbody>
<tr>
<td>1</td>
<td>Viscosity of magmatic liquids: A model</td>
<td>2008</td>
<td>7061</td>
<td>763</td>
<td>1022</td>
<td>865</td>
<td>1186</td>
<td>256</td>
<td>4092</td>
<td>0</td>
<td>1153</td>
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<td>2</td>
<td>Viscosities of hydrous leucogranitic melts: a non-Arrhenian ...</td>
<td>1996</td>
<td>114</td>
<td>54</td>
<td>70</td>
<td>76</td>
<td>78</td>
<td>19</td>
<td>297</td>
<td>0</td>
<td>411</td>
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<tr>
<td>3</td>
<td>Relaxation in silicate melts</td>
<td>1990</td>
<td>295</td>
<td>20</td>
<td>22</td>
<td>11</td>
<td>14</td>
<td>5</td>
<td>72</td>
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<td>4</td>
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<td>1989</td>
<td>257</td>
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<td>20</td>
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<tr>
<td>5</td>
<td>Repeated fracture and healing of silicic magma generate flow...</td>
<td>2003</td>
<td>142</td>
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<td>6</td>
<td>H2O solubility in haplogranitic melts: compositional, press...</td>
<td>1995</td>
<td>143</td>
<td>5</td>
<td>7</td>
<td>4</td>
<td>14</td>
<td>4</td>
<td>34</td>
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<td>177</td>
</tr>
</tbody>
</table>
Clicking “View h-graph” from an Author Profile provides insight into an author’s h-index

Dingwell, Donald Bruce  Back to author details page
Ludwig-Maximilians-Universität München, Department of Earth and Environmental Sciences, Munich, Germany
Author ID: 7005050998

This author's h-index is 55
The h-index is based upon the number of documents and number of citations.
Thank you!

Important Scopus resources to stay up to date:

<table>
<thead>
<tr>
<th>Site</th>
<th>URL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scopus Info Site</td>
<td><a href="https://www.elsevier.com/solutions/scopus">https://www.elsevier.com/solutions/scopus</a></td>
</tr>
<tr>
<td>Scopus Blog</td>
<td><a href="http://blog.scopus.com">http://blog.scopus.com</a></td>
</tr>
<tr>
<td>Scopus newsletter</td>
<td><a href="https://communications.elsevier.com/webApp/els_doubleOptInWA?do=0&amp;srv=els_scopus&amp;sid=71&amp;uif=0&amp;uvis=3">https://communications.elsevier.com/webApp/els_doubleOptInWA?do=0&amp;srv=els_scopus&amp;sid=71&amp;uif=0&amp;uvis=3</a></td>
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<tr>
<td>Twitter</td>
<td><a href="http://www.twitter.com/scopus">www.twitter.com/scopus</a></td>
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<td>Facebook</td>
<td><a href="http://www.facebook.com/elsevierscopus">www.facebook.com/elsevierscopus</a></td>
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<td>LinkedIn</td>
<td><a href="https://www.linkedin.com/company/scopus-an-eye-on-global-research">https://www.linkedin.com/company/scopus-an-eye-on-global-research</a></td>
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<td>YouTube</td>
<td><a href="https://www.youtube.com/c/ScopusDotCom">https://www.youtube.com/c/ScopusDotCom</a></td>
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</tbody>
</table>
Questions?

You are welcome to submit questions by using the “Ask a Question” feature on your screen:

For the questions we do not get to answer today, we will look at all of them and try to answer them in subsequent webinars or on the Scopus blog.
Upcoming Scopus webinars

Live on May 19 2016 12:00 pm (60 mins)
**Scopus: How Author Profiles work and how they can ...**
Jessica Kowalski Director of Market Development: Scopus and Engi...
We will take a deeper look at the automated creation and curation of...

Live on Jun 16 2016 12:00 pm (60 mins)
**Scopus: Using the right metrics**
Norman Azoulay, Product Manager, Scopus
This webinar will focus on the metrics that Scopus offers at the artic...
Thank you and please join us again next month

A recording of this webinar will soon be made available via blog.scopus.com/webinars