Find High Impact Research Literature with Scopus

Eunice Wong (lbeunice@ust.hk)
Engineering Librarian
HKUST Library
What is Scopus

Scopus is an important citation database of peer-reviewed literature: scientific journals, conference proceedings and books.

Developed by Elsevier, it has strong coverage in STM areas.

QS University Rankings & World University Rankings also use its data:

- Citations per paper
- No. of papers published in the academic journals
- Average no. of times a university’s published work is cited by scholars
- World University Ranking 2019: HKUST
You will learn how to

- Locate **high impact** articles, trace **backward & forward citations** and discover **related work**
- Identify prolific **authors/organizations** and major **funding agencies**
- Track research impact of an author; set up an **alert** to follow an author
The Paper has cited 6 Sources (appeared in the reference list)

After The Paper was published, it has been cited by 4 Sources (Times Cited = 4)

cf. Document Details
Search Scopus

big data vs “big data”

Add search boxes

select field to search

Add Limit
Scopus Search Result

- Sort by most recent dates by default
- Can sort by **Cited by (highest)**
  - no. of times cited by others usually regarded as an indicator of importance in that field; higher the no., higher the impact/importance
- Refine results: document/source type, affiliation, funding sponsor
- Full-text?
  1. View at Publisher
  2. Find@HKUST
    - Link to e-version (if available)
    - Request document via [InterLibrary Loan](#)
Analyze Search Results

Research Trend:
1995 – 0 document
2019 – > 1500 documents
Search Exercise

1. Search for the topic: “big data” and (health or medical)
2. Refine search results by subjects:
   - Computer Science;
   - Medicine;
   - Engineering;
   - Mathematics;
   - Biochemistry, Genetics & Molecular Biology;
   - Decision Sciences;
   - Health Professions
3. Sort on: Cited by (highest)
4. Find out:
   - The most highly cited paper
   - The top Funding Sponsor
   - The most prolific research organization
Office of the National Coordinator for Health Information Technology


Related documents:
- Electronic health records: Beyond the digitization of medical files

- Natural language processing and electronic medical records
An author may have different affiliations throughout his/her career.
Author Search Exercise

Last name: yang
First name: qiang
Affiliation: hong kong university of science and technology
Author Search - ORCID

ORCID is a unique author identifier
An ORCID is associated with ONE author only

0000-0002-2083-1552

e.g. 1111-2222-3333-4444
Affiliation Search

Affiliation details - Hong Kong University of Science and Technology

Hong Kong University of Science and Technology
Clear Water Bay, Kowloon, Hong Kong
Hong Kong
Affiliation ID: 6008592
Other name formats:

<table>
<thead>
<tr>
<th>Other name format</th>
<th>ID</th>
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<tbody>
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Documents by subject area

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<tr>
<th>Subject Area</th>
<th>Document Count</th>
<th>Percent</th>
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<tr>
<td>Engineering</td>
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<tr>
<td>Computer Science</td>
<td>11356</td>
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<tr>
<td>Materials Science</td>
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<td>8.7%</td>
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<tr>
<td>Physics and Astronomy</td>
<td>7901</td>
<td>8.5%</td>
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<tr>
<td>Chemistry</td>
<td>6017</td>
<td>6.4%</td>
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<tr>
<td>Mathematics</td>
<td>5030</td>
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<tr>
<td>Biochemistry, Genetics and Molecular Biology</td>
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<tr>
<td>Chemical Engineering</td>
<td>2855</td>
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<tr>
<td>Environmental Science</td>
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<td>8.4%</td>
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Documents by source

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<th>Source</th>
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<tr>
<td>Hong Kong University of Science and Technology</td>
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</table>

Documents, affiliation only: 43,722

Authors: 9,961
Affiliation Search Exercise

1. Affiliations search: Hong Kong University of Science and Technology.

2. From the Affiliation details page, who is our top Collaborating affiliation?
Recap: What we have learnt in this session

- Locate **high impact** articles, trace **backward & forward citations** and discover **related work**

- Identify prolific **authors/organizations** and major **funding agencies**

- Track research impact of an author; set up an **alert** to follow an author
Thank you

✓ Remember to scan the barcode of your HKUST card
✓ Complete the quiz to enter the E-Discovery Week Lucky Draw
✓ Make sure you write down your name & ITSC login

Questions about Scopus? Welcome to contact lbeunice@ust.hk