

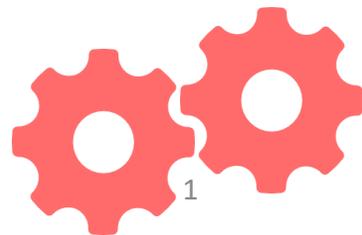
Introduction to Scopus and ScienceDirect for Research Data | Curated. Connected. Complete

Dr Yootapong Klinthongchai

Customer Success Manager

Elsevier South East Asia

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Outline



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Introducing to Scopus

2

Introducing ScienceDirect

3

Other research tools

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Q&A

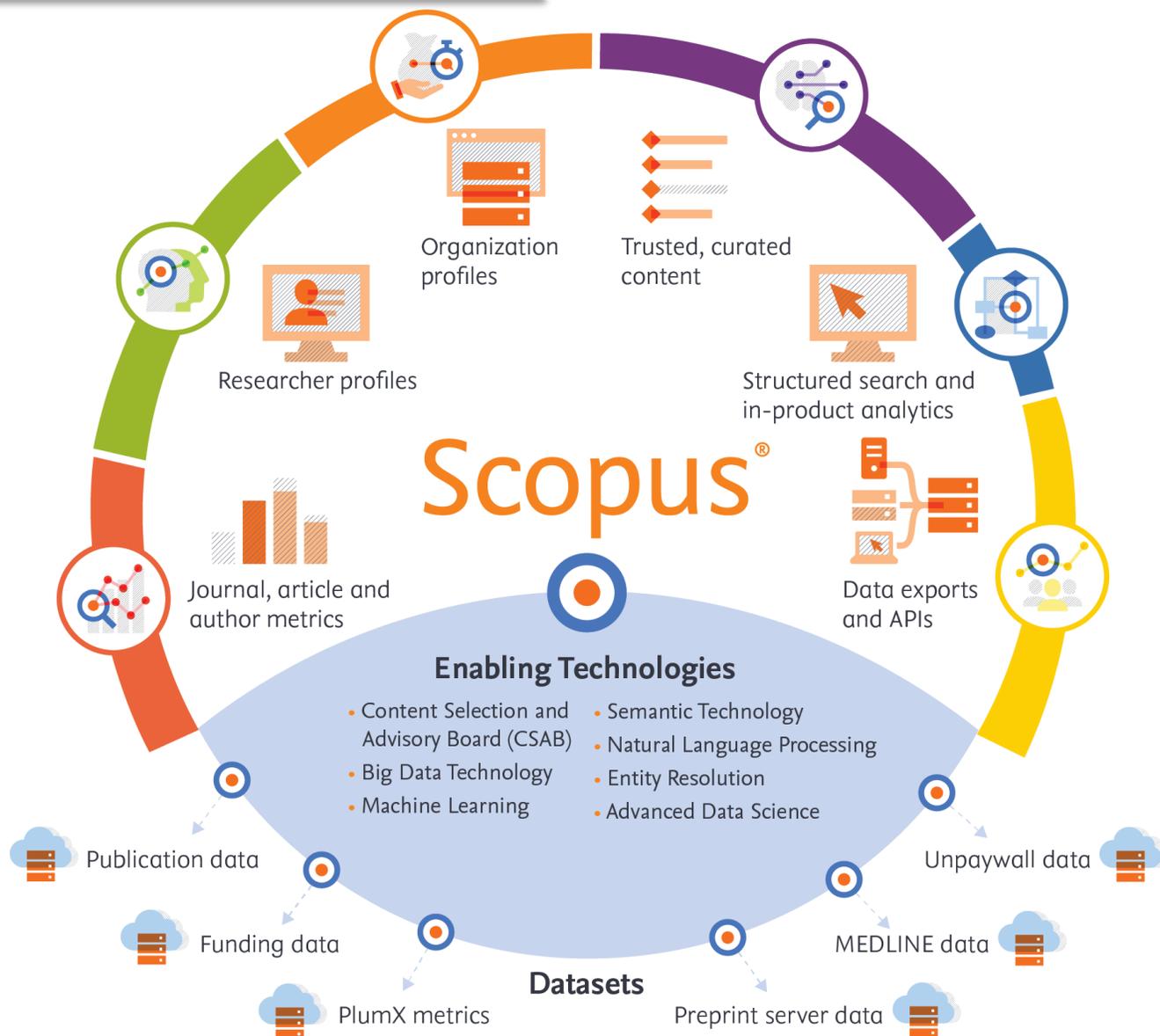


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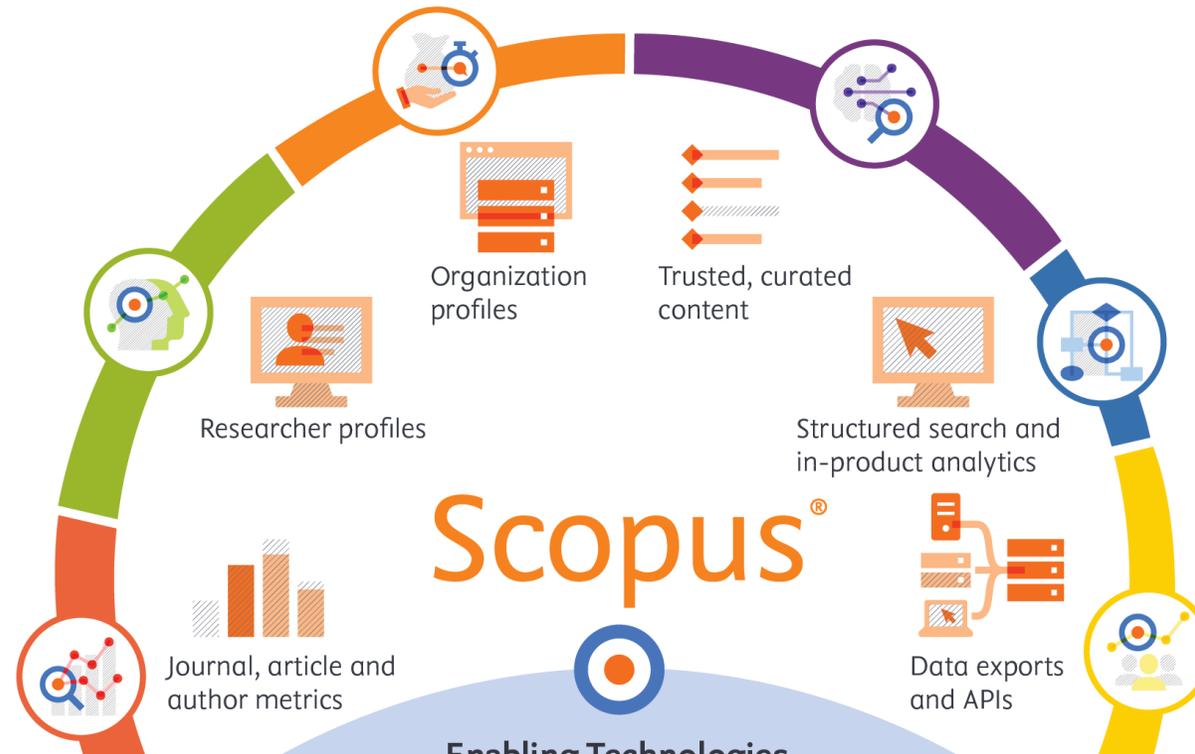
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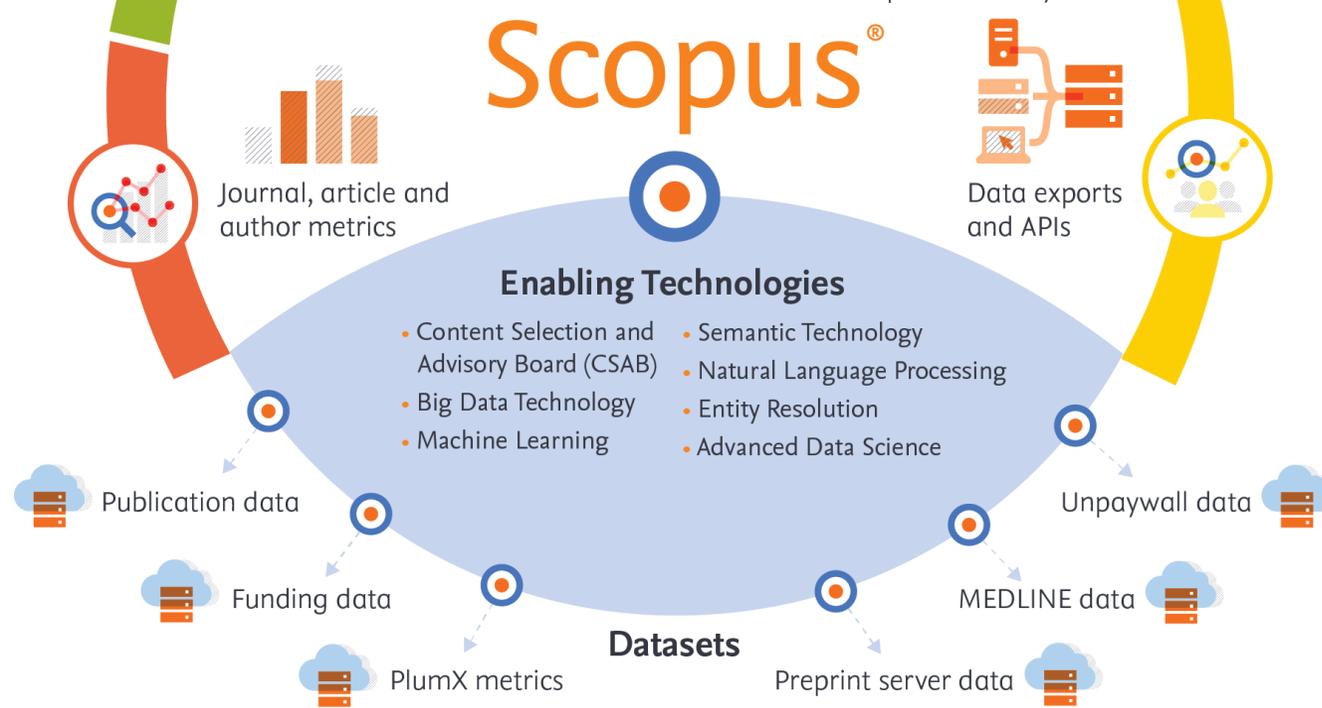
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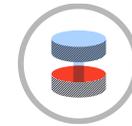
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Key Challenges

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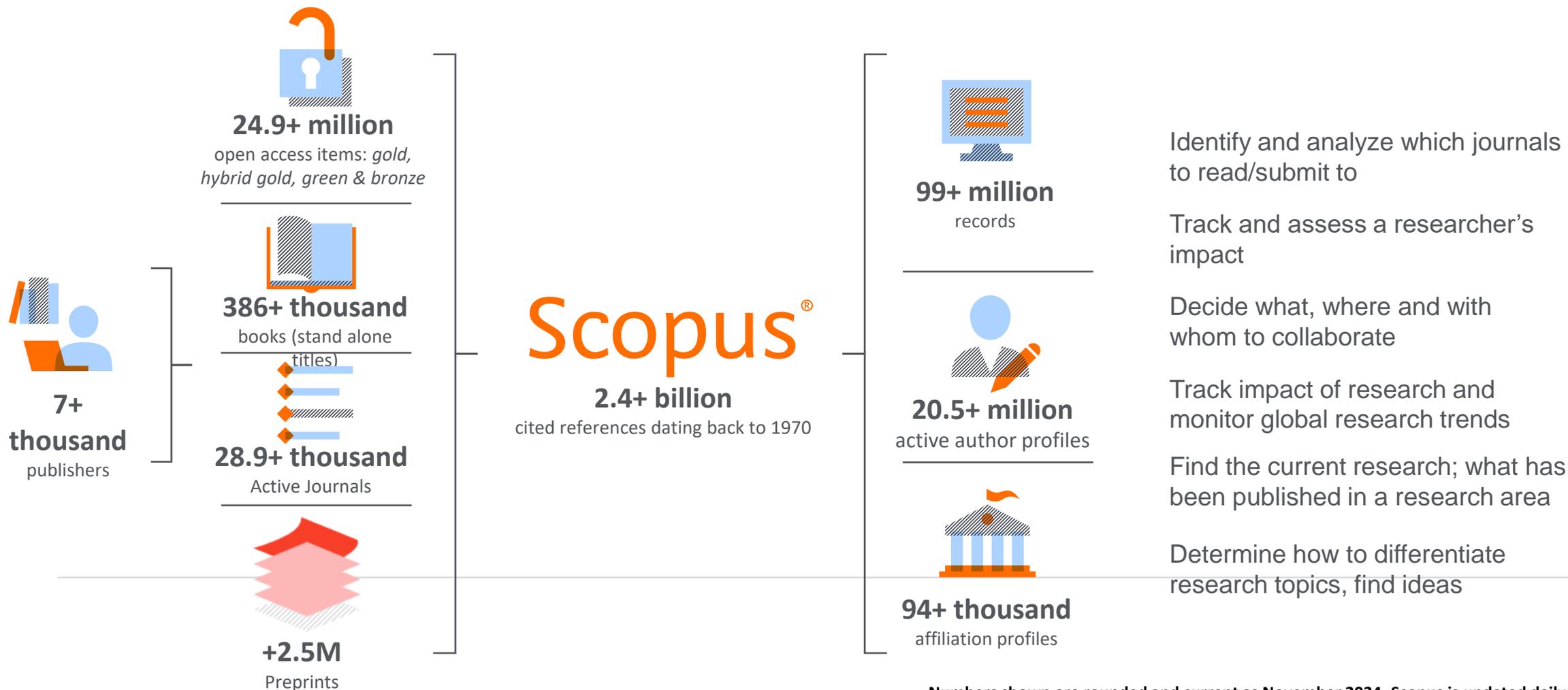


Research Services

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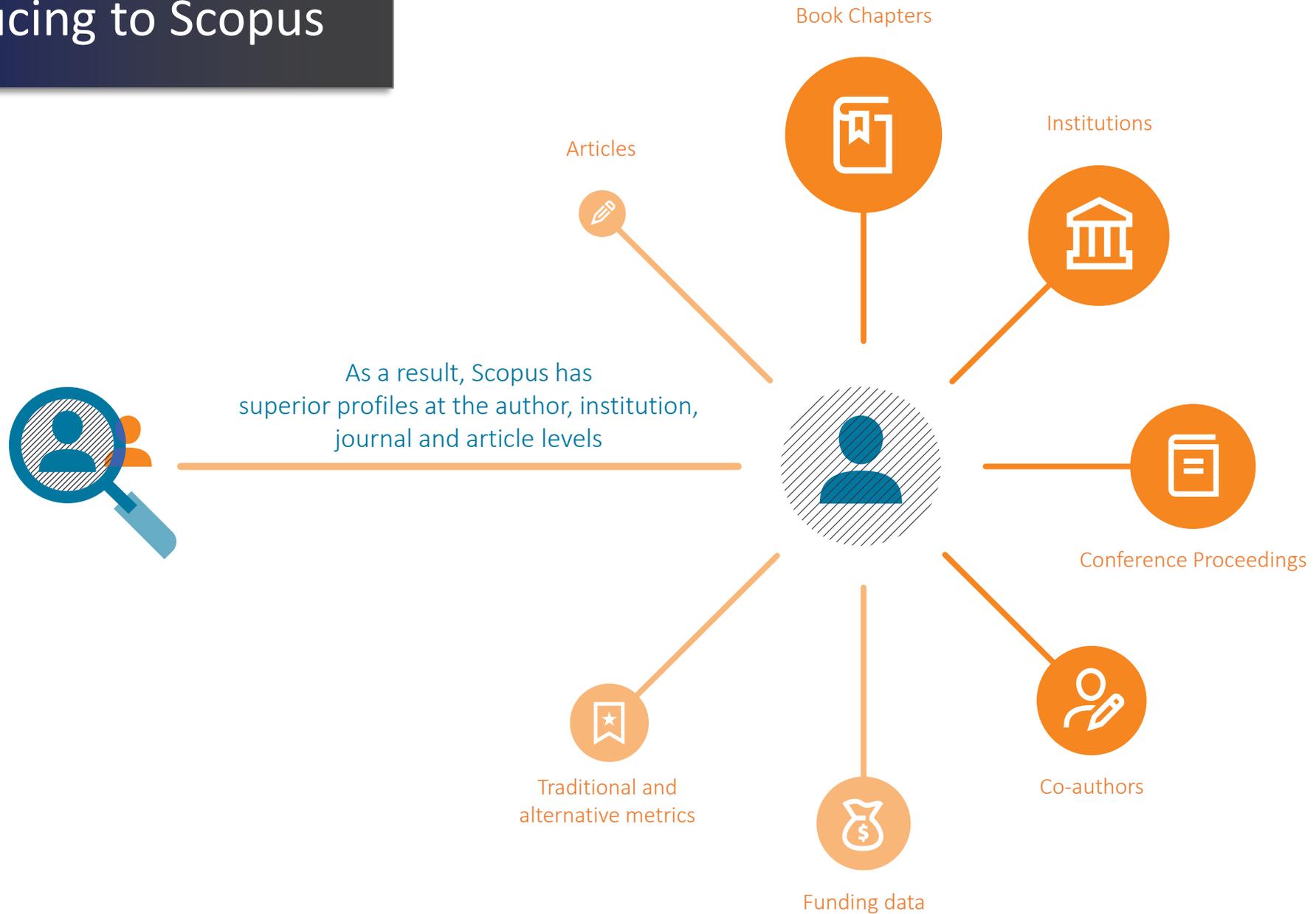


Curated, enriched and connected data that surfaces signals about research that are intuitive to access and understand



Numbers shown are rounded and current as November 2024. Scopus is updated daily

Introducing to Scopus



Global Representation means global discovery

Comprehensive coverage

Globally sourced

- **7,000+ publishers**
- **105 countries**
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Format and historically inclusive

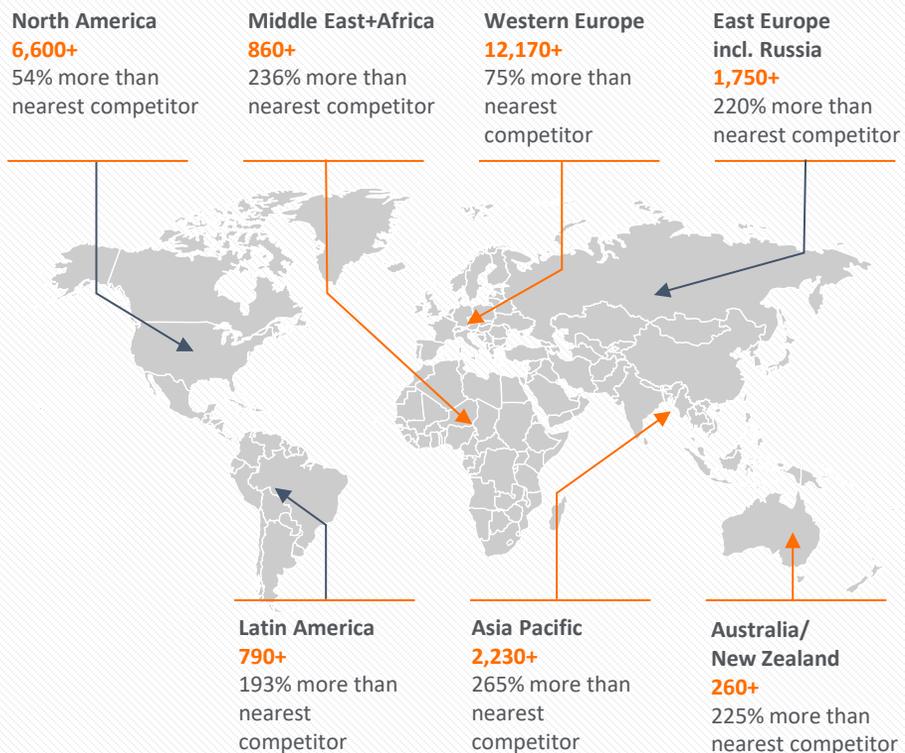
- **50%–230%** more global content
- Historical coverage **back to 1788**
- **18.4 M open access documents**
- Multiple regional content types (**journals, conferences, books, book series**)

Current

- **Updated daily**

Global Representation

(number of titles)





What content is in Scopus?

Scopus Coverage Summary



Global representation means global discovery across all subjects and content types

989M records from **28.9K** active journals, **161K** conferences and **386K** books (stand alone titles)
from more than **7,000** publishers in **105** countries

- Updated daily—approximately **13,000** articles per day indexed
- **24.9M** open access documents (Gold, Hybrid Gold, Bronze & Green)
- **2.5M** preprints from multiple preprint servers
- **7,911** active Open Access journals

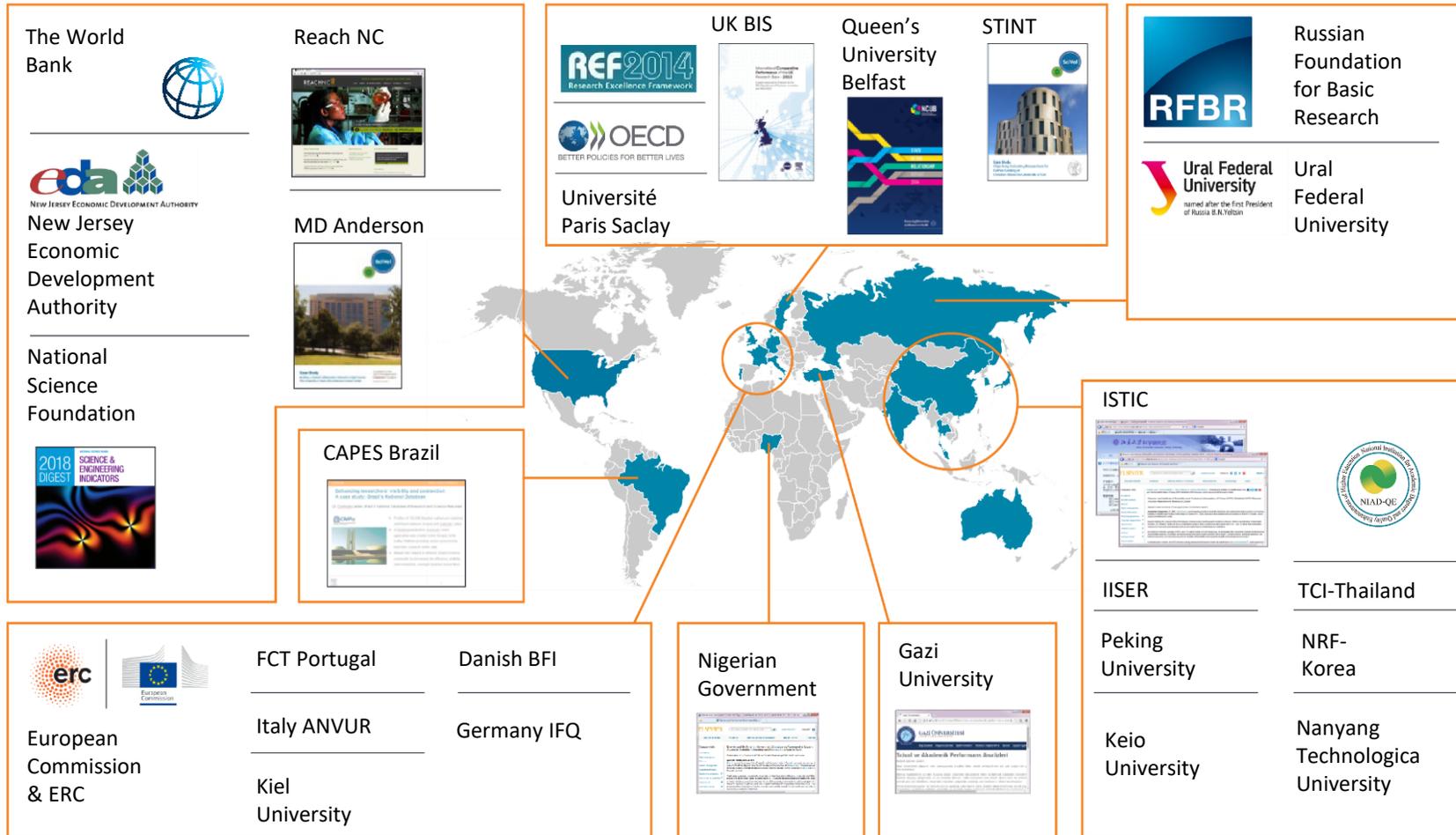
| Number of journals by subject area** | Journals | Conferences | Books | Preprints |
|---|--|--|--|--|
| Physical sciences 15,634 | 28,932** active peer-reviewed journals 186 trade journals | 161K conference events 12.58M conference papers | 386K stand-alone books 3.44M total book items | 2.5M preprints |
| Health sciences 15,475 | 7,911 OA Journals (DOAJ/ROAD) 22.8M fully-indexed funding acknowledgements | | Focus on Social Sciences and A&H | 7 preprint servers: |
| Social sciences 16,179 | <ul style="list-style-type: none">• Full metadata, abstracts and cited references (refs post-1970 only)• Citations back to 1970 | Mainly Engineering and Computer Sciences | | <ul style="list-style-type: none">• arXiv• ChemRxiv• bioRxiv• medRxiv• SSRN• TechRxiv• Research Square |
| Life sciences 8,379 | | | | |

*Journals may be classified in multiple subject areas: this count includes current actively indexed titles only

**Total number of Scopus journals in database including inactive titles is 44,724

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Scopus is the Gold Standard:
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Rankings Organizations



Introducing to Scopus



ELSEVIER



World university rankings – QS

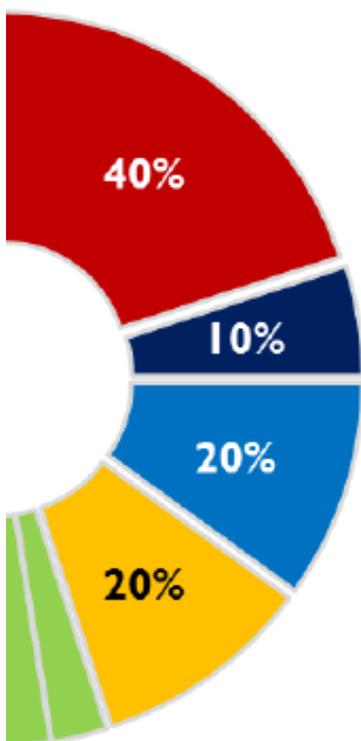
University Rankings use a combination of expert opinion (surveys) and objective data (including from Scopus)



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

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

Publication and citation data from Scopus is used

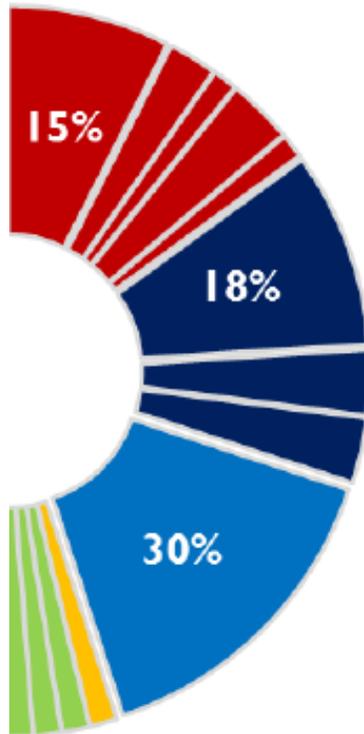
Scopus

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

World university rankings – THE

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



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)

Publication and citation data from Scopus is used

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%)

Citations: research influence (30%)

- (Field-weighted) citations in 2006-11 to papers published 2006-10

Scopus



Industry income: innovation (2.5%)

- Income from industry per staff FTE

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%)

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Searching Scopus - Demonstration

Research Workflow



Let's Think!!!

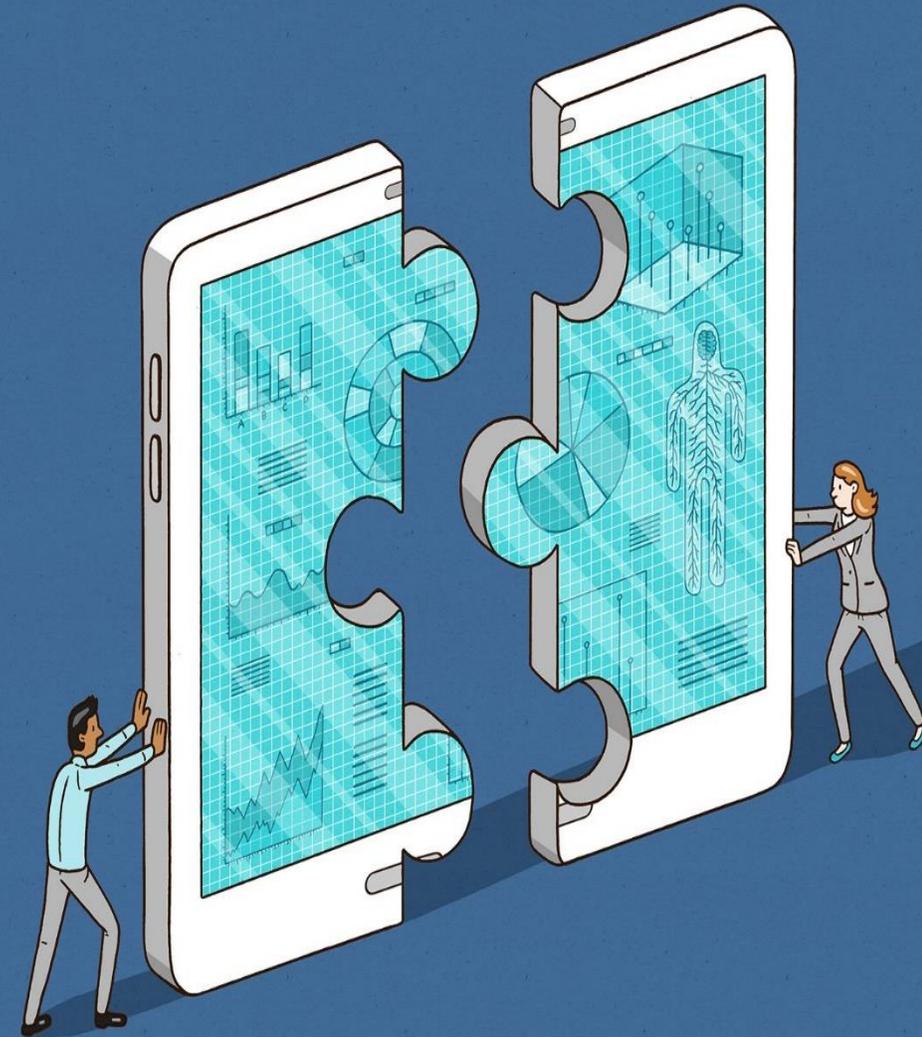


When you have to read what you don't like to read...



Use cases

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- Assessing the quality or 'impact' of a paper
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1

Advanced search using Boolean operators

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```
ALL("Cognitive architectures") 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)
```

Operators

2

List of operators

| | |
|---------|---|
| AND | + |
| OR | + |
| AND NOT | + |
| PRE/ | + |
| W/ | + |

Field codes ?

3

Field codes

Ex: AF-ID

Textual Content
Affiliations
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Biological Entities

A unique identification number assigned to organizations affiliation with Scopus authors.

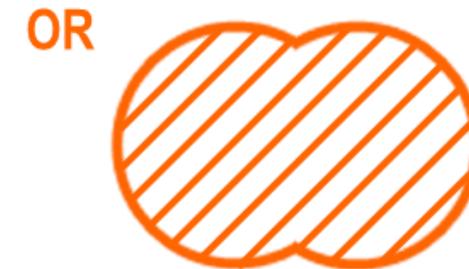
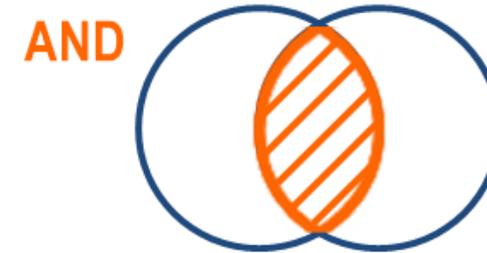
Search Functionality

- **Choosing Search Terms**

Use specific search terms that are closely related to your research topic
Include alternative words and abbreviations
Avoid words that are too general

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**
- **AND NOT**
Excludes documents that include the specified term from the search.
It must be used at the end of a search.
e.g. **e-learning AND NOT computer science**



Exploring Literature



Search within: Article title, Abstract, Keywords | Search documents: "Particle interactions"

Save search | Set search alert | Add search field | Beta | Documents | Preprints | Patents | Secondary documents | Research data

19,507 documents found | Analyze results

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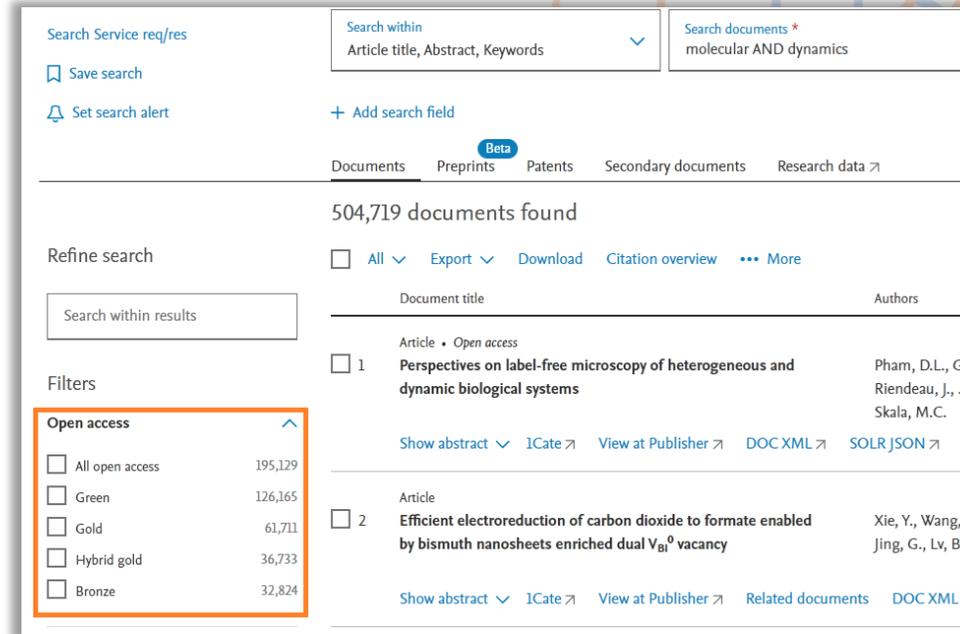
| Document title | Authors | Source | Year | Citations |
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| 2 Study on the interaction of rod-shaped particles in a DC uniform electric field | Hu, S., Liu, Y., Jin, S. | Colloids and Surfaces A: Physicochemical and Engineering Aspects, 708, 136045 | 2025 | 0 |
| 3 Incorporating particle roughness and hardness into contact model to reproduce elastic behaviors of granular soils in DEM | Wang, G., Nie, J., Cui, Y., Guo, J. | Computers and Geotechnics, 179, 107054 | 2025 | 0 |
| 4 Molecular Interactions Between ZnO Nanoparticles and Liver Target Proteins Revealed by Molecular Docking Method | Kirichenko, K.Y., Pamirsky, I.E., Timkin, P.D., ... Golokhvast, K.S. | BioNanoScience, 15(1), 94 | 2025 | 0 |

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- Scopus Open Access (OA) document classification and tagging is based on [Unpaywall](#) metadata because of its broad coverage from a wide range of publishers
- Scopus has changed its OA tagging policy to **fully align with the Unpaywall definitions.**
- This change comes into effect on Scopus.com starting Q2 2024



| OA terms | | Definition (Unpaywall) |
|--------------------|---------------------------------|--|
| Facets | Information label | |
| Gold | Gold (Open Access-only journal) | Published version with Creative Commons license, available on publisher platform. Documents are in <u>journals which only publish open access</u> |
| Hybrid Gold | Gold (hybrid journal) | Published version with Creative Commons license, available on publisher platform. Documents are in <u>journals which provide authors the choice of publishing open access</u> |
| Bronze | Other free-to-read at Publisher | Published version of record or manuscript accepted for publication, for which the <u>publisher has chosen to provide temporary or permanent free access</u> . As these documents would normally only be available to subscribers, no Creative Commons license is attached. |
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Author/Article Information

Fast Brownian cluster dynamics

[Antonov, Alexander P.](#)^{a,b} [Schweers, Sören](#)^a [Ryabov, Artem](#)^c [Maass, Philipp](#)^a

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^a Universität Osnabrück, Fachbereich Mathematik/Informatik/Physik, Institut für Physik, Barbarastrasse 7, Osnabrück, D-49076, Germany

^b Institut für Theoretische Physik II: Weiche Materie, Heinrich-Heine-Universität Düsseldorf, Universitätsstraße 1, Düsseldorf, D-40225, Germany

^c Charles University, Faculty of Mathematics and Physics, Department of Macromolecular Physics, V Holešovičkách 2, Praha 8, CZ-18000, Czech Republic

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Funding details

Abstract

We present an efficient method to perform overdamped Brownian dynamics simulations in external force fields and for particle interactions that include a hardcore part. The method applies to particle motion in one dimension, where it is possible to update particle positions by repositioning particle clusters as a whole. These clusters consist of several particles in contact. They form because particle collisions are treated as completely inelastic rather than elastic ones. Updating of cluster positions in time steps is carried out by cluster fragmentation and merging procedures. The presented method is particularly powerful at high collision rates in densely crowded systems, where collective movements of particle assemblies is governing the dynamics. As an application, we simulate the single-file diffusion of sticky hard spheres in a periodic potential. © 2024 The

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The “Source preview flyout” is now available to provide the most important journal information on the document level.

- It helps researchers decide to continue reviewing details of the article or look for more information about the journal where this article was published.
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SciVal Source details preview

Journal of Molecular Biology

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| ASJC Category | Quartile | Percentile | Rank |
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We use a blend of **expert curation and trusted technology** to map each publication to its relevant United Nations SDGs.

In Q2 2023, we released the 2023 SDG upgrade on the Document Details pages in Scopus:

- More than 25M Scopus records contributed to at least one SDG (have a 2023 SDG tag).
- SDG 2023 classifications now include SDG17 “Partnerships for the goals”.



A theory of digital technology advancement to address the grand...

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Metrics Partnership for the goals
Goal 17

SciVal Topics



Scopus Journal and Articles Metrics

Rank and Institution

57
70
52

53
47
52





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Citations in a year to documents published in 4 years

of documents in 4 years

Journal's citation count per paper

Citation potential in its subject field

Average # of weighted citations received in a year

of documents published in previous 3 years

CiteScore

- CiteScore itself is **an average** of the sum of the citations received in a given year to publications published **in 4 years** divided by the sum of publications in the same 4 years.
- Takes **4 years** (including current year) into account.

SNIP

- SNIP = Sourced Normalized Impact per Paper
- SNIP accounts for **field-specific differences** in citation practices.
- measures contextual citation impact and enables direct comparison of journals in different subject fields
- Outlier scores are closer to average
- Takes **3 years** into account.

SJR

- SJR = SCImago Journal Rank
- SJR is a measure of the scientific influence of scholarly journals that accounts for both **the number of citations received** by a journal and the importance or **prestige of the journals where the citations come from**.
- SJR weights each incoming citation to a journal by the SJR of the citing journal, with a citation from a high-SJR source counting for more than a citation from a low-SJR source.
- Takes **3 years** into account.

PLUMX

Metrics Categories



USAGE

(clicks, downloads, views, library holdings, video plays)



CAPTURES

(bookmarks, code forks, favorites, readers, watchers)



MENTIONS

(blog posts, comments, reviews, Wikipedia links)



SOCIAL MEDIA

(+1s, likes, shares, tweets)



CITATIONS

(citation indexes, patent citations, clinical citations)

PLUMX Print

The five categories of metrics are displayed for quick and easy understanding in a data visualization known as the Plum Print. When you rollover the Plum Print, more detail for each of the categories is visible. You can also click on it to get to all the detail for the metrics.

- The Plum Print is dynamic, each circle in the Plum Print represents the metrics in the associated category by color.
- The larger the circle, the more metrics in that category.
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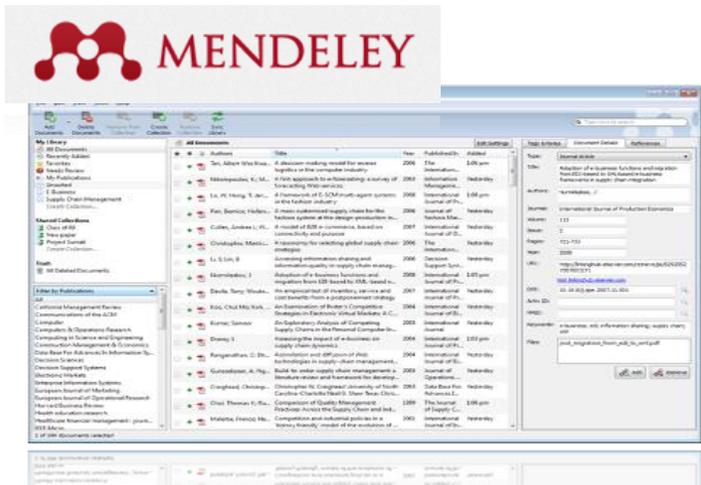
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| | Authors | Source | Year | Citations |
|---|--|--|------|-----------|
| 1 | Antonov, A.P., Schweers, S., Ryabov, A., Maass, P. | Computer Physics Communications , 309, 109474 | 2025 | 0 |
| 2 | Hu, S., Liu, Y., Jin, S. | Colloids and Surfaces A: Physicochemical and Engineering Aspects , 708, 136045 | 2025 | 0 |

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| | | 2003 | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment 506(3), pp. 250-303 | 13125 |
| <input type="checkbox"/> 2 | Inflationary universe: A possible solution to the horizon and flatness problems <i>Open Access</i> | Guth, A.H. | 1981 Physical Review D 23(2), pp. 347-356 | 6533 |

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| | Authors | Year | Source | Cited by |
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| olkkit | Agostinelli, S., Allison, J., Amako, K., (...), Yoshida, H., Zschiesche, D. | 2003 | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment 506(3), pp. 250-303 | 13125 |
| Documents | | | | |
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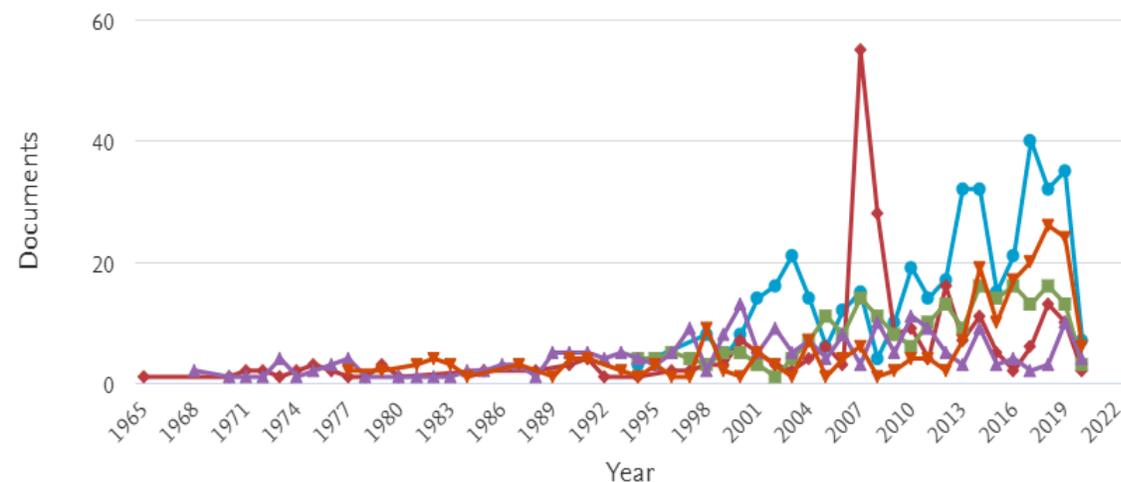
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| Source ↓ | Documents ↑ |
|---|-------------|
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| <input checked="" type="checkbox"/> Physical Review Letters | 249 |
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57
70
52

5.3
47
52

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| | Author | Documents | <i>h</i> -index ⓘ | Affiliation | City | Country/Territory |
|----------------------------|--|-----------|-------------------|----------------------------------|--------------|-------------------|
| <input type="checkbox"/> 1 | Lim, Hwee San San, Lim Hwee San, L. H. Lim, D. H.S. | 266 | 14 | Universiti Sains Malaysia | Gelugor | Malaysia |
| | View last title v | | | | | |
| <input type="checkbox"/> 2 | Lim, Shenyang Lim, S. Y. Lim, Shen Yang | 101 | 24 | Universiti Malaya | Kuala Lumpur | Malaysia |
| | View last title v | | | | | |
| <input type="checkbox"/> 3 | Lim, Siong Meng Lim, S. M. Meng, Lim Siong Lim, Siong M. | 78 | 14 | Universiti Teknologi MARA | Shah Alam | Malaysia |
| | View last title v | | | | | |
| <input type="checkbox"/> 4 | Lim, Lee Hong Susan Lim, S. L.H. Lim, L. H.S. Lim, L. H.Susan | 77 | 18 | Institute of Biological Sciences | Kuala Lumpur | Malaysia |
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| <input type="checkbox"/> 5 | Lim, Steven Lim, S. | 72 | 18 | Universiti Tunku Abdul Rahman | Kajang | Malaysia |

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Author Search



Lim, Steven

Universiti Tunku Abdul Rahman, Kajang, Malaysia [Show all author info](#)

SC 35366710400 <https://orcid.org/0000-0001-8699-9772>

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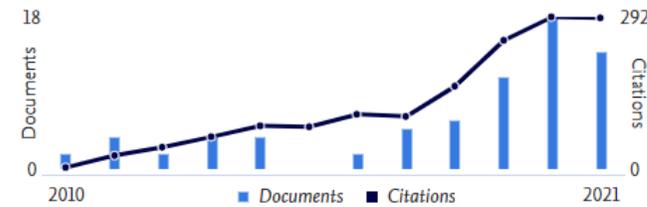
Metrics overview

72
Documents by author

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Citations by 1312 documents

18
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Article

Effects of ethanol on the evaporation and burning characteristics of palm-oil based biodiesel droplet

Chow, M.R., Ooi, J.B., Chee, K.M., ...Kong Leong, J.C., Lim, S.

Author Position

Based on 6 documents for 2013 - 2022

First author • 67%

4 Documents 7 Average citations 0.573 Normalized Average FWCI

Last author • 0%

Co-author • 33%

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1 Author Details

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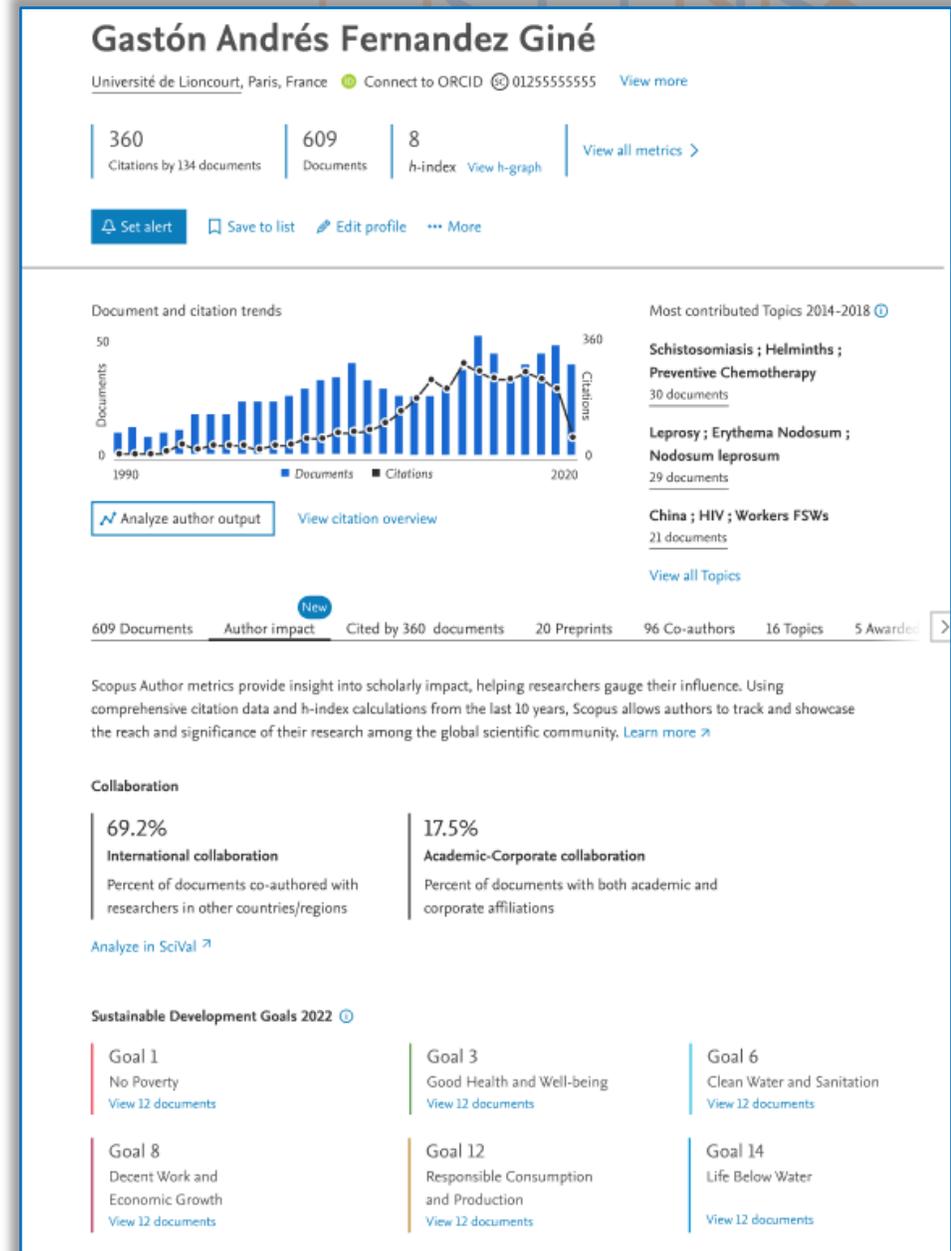
5 Author Publications

6 Author Position

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H-index



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Lim, Steven

Universiti Tunku Abdul Rahman, Kajang, Malaysia
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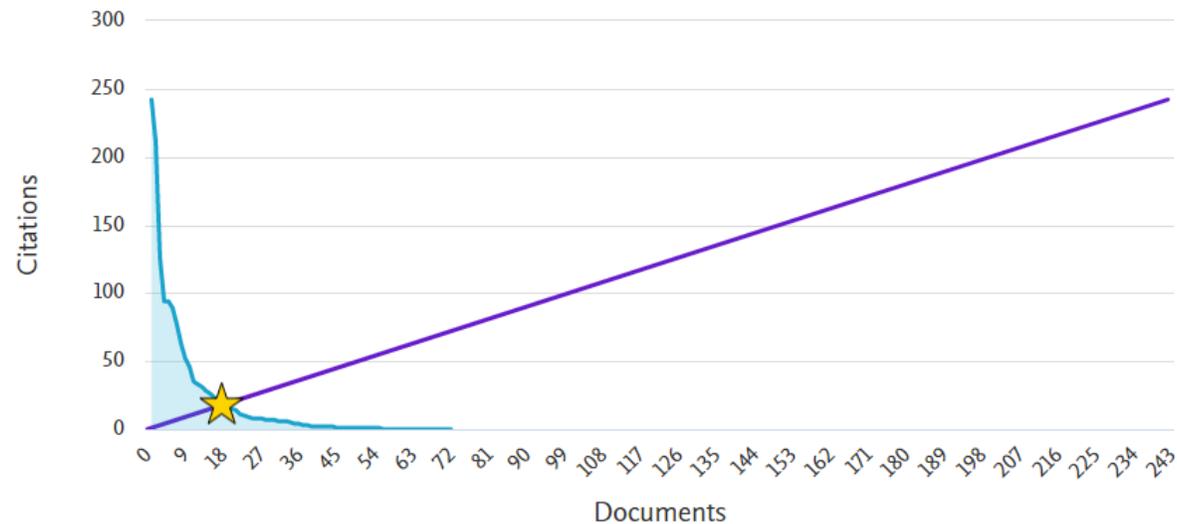
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|-------------|-------------|--------------------------|
| 14 | 28 | Influences of differ... |
| 15 | 26 | Synthesis, characte... |
| 16 | 23 | A comprehensive r... |
| 17 | 22 | Effects of solid pre-... |
| 18 | 19 | Synthesis of renew... |
| 19 | 16 | Investigation of im... |
| 20 | 15 | Biodiesel synthesis ... |
| 21 | 14 | High biodiesel yiel... |
| 22 | 11 | Progress in utilisati... |

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18

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Lim, Steven

72 documents

| | Document title | Authors ^ | Year v | Source ^ | Cited by v |
|----------------------------|--|---|--------|--|------------|
| <input type="checkbox"/> 1 | Effects of ethanol on the evaporation and burning characteristics of palm-oil based biodiesel droplet | Chow, M.R., Ooi, J.B., Chee, K.M., Pun, C.H., Tran, M.-V., Kong Leong, J.C., Lim, S. | 2021 | Journal of the Energy Institute 98, pp. 35-43 | 0 |
| <input type="checkbox"/> 2 | Facile green synthesis of ZnO nanoparticles using natural-based materials: Properties, mechanism, surface modification and application | Chan, Y.Y., Pang, Y.L., Lim, S., Chong, W.C. | 2021 | Journal of Environmental Chemical Engineering 9(4) | 0 |
| <input type="checkbox"/> 3 | Harvesting and evacuation route optimisation model for fresh fruit bunch in the oil palm plantation site | Lim, C.H., Cheah, Z.H., Lee, X.H., How, B.S., Ng, W.P.Q., Ngan, S.L., Lim, S., Lam, H.L. | 2021 | Journal of Cleaner Production 307 | 0 |
| <input type="checkbox"/> 4 | Optimization and analysis of syngas production from methane and CO ₂ via Taguchi approach, | Chen, W.-H., Chiu, G.-L., Chyuan Ong, H., Shiung Lam, S., Lim, S., Sik Ok, Y., E.Kwon, E. | 2021 | Fuel 296 | 0 |

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- IEEE (2) >
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| | Author | Documents | <i>h</i> -index ⓘ | Affiliation | City | Country/Territory |
|---------------------------------------|--|-----------|-------------------|-------------------------------|--------|-------------------|
| <input checked="" type="checkbox"/> 1 | Lim, Eng Hock Lim, Eng H. Lim, E. H. | 108 | 18 | Universiti Tunku Abdul Rahman | Kajang | Malaysia |
| <input type="checkbox"/> 2 | Lim, Eng Hock Lim, Eng H. Lim, E. H. | | | | | |

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Author last name

chong

e.g. Smith

Author last name

horng

e.g. Smith



Author first name

shin horng

e.g. J.L.

Author first name

s h

e.g. J.L.

Author first name

chong shin

e.g. J.L.



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Author Search



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Affiliation

- Universiti Teknikal Malaysia Melaka (4) >
- Centre of Excellence of Robotics and Automation (1) >
- Tokyo Institute of Technology (1) >

City

- Malacca (4) >
- Malacca Town (1) >
- Tokyo (1) >

| | Author ^ | Documents ^ | <i>h</i> -index | Affiliation ^ | City ^ | Country/Territory ^ |
|---------------------------------------|--|-------------|-----------------|-------------------------------------|---------|---------------------|
| <input checked="" type="checkbox"/> 1 | Horng, Chong Shin Chong, S. H. Chong, Shin Horng | 64 | 7 | Universiti Teknikal Malaysia Melaka | Malacca | Malaysia |
| <input checked="" type="checkbox"/> 2 | Horng, Chongshin Horng, Chong Shin | 1 | 0 | Universiti Teknikal Malaysia Melaka | Malacca | Malaysia |
| <input checked="" type="checkbox"/> 3 | Chong, Shin Horng | 1 | 0 | Universiti Teknikal Malaysia Melaka | Malacca | Malaysia |
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1

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- Horng, Chong Shin 64 documents
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| | Document title | Authors ^ | Year v | Source ^ | Cited by v |
|---|--|--|--------|---|------------|
| 1 | WINDOW SIZE THRESHOLD ANALYSIS FOR BRAINPRINT IDENTIFICATION USING INCREMENTAL K-NEAREST NEIGHBOUR (KNN) | Liew, S.-H., Choo, Y.-H., Low, Y.F., Chong, S.H. | 2020 | ARPN Journal of Engineering and Applied Sciences 15(17), pp. 1897-1901 | 0 |

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Dr. Win



Dr. Win

Researchers publish under name variations.



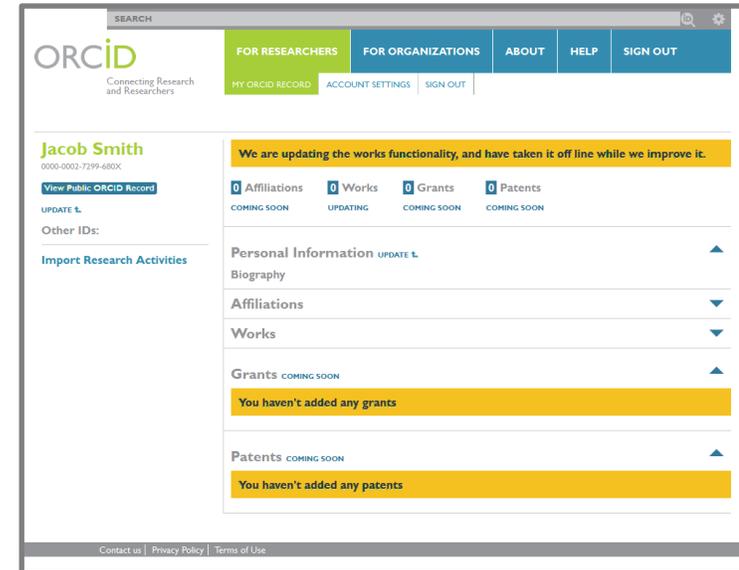
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1st quartile

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All

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| <input type="checkbox"/> 1 | Ca-A Cancer Journal for Clinicians | 463.2 | 99% 1/340 Oncology | 50,948 | 110 | 92 |
| <input type="checkbox"/> 2 | Nature Reviews Materials | 115.7 | 99% 1/292 Materials Chemistry | 21,170 | 183 | 98 |
| <input type="checkbox"/> 3 | Nature Reviews Molecular Cell Biology | 99.7 | 99% 1/382 Molecular Biology | 21,027 | 211 | 88 |
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Source Browser



Cell

Scopus coverage years: from 1974 to Present

Publisher: Elsevier

ISSN: 0092-8674 E-ISSN: 1097-4172

Subject area: [Biochemistry, Genetics and Molecular Biology: General Biochemistry, Genetics and Molecular Biology](#)

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SJR 2020

26.304



SNIP 2020

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$$55.7 = \frac{93,379 \text{ Citations to date}}{1,676 \text{ Documents to date}}$$

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Category

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Percentile

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#1/204

99th

General Biochemistry, Genetics and Molecular Biology

More on CiteScore

Ecosystem Services

Scopus coverage years: from 2012 to Present

Publisher: Elsevier

ISSN: 2212-0416

Subject area: [Agricultural and Biological Sciences: Agricultural and Biological Sciences \(miscellaneous\)](#) [Social Sciences: Geography, Planning and Development](#)
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CiteScore 2021
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SJR 2021
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SNIP 2021
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CiteScore 2021 ▼

11.7 = $\frac{7,696 \text{ Citations 2018 - 2021}}{659 \text{ Documents 2018 - 2021}}$

Calculated on 05 May, 2022

CiteScoreTracker 2022 ⓘ

11.0 = $\frac{6,144 \text{ Citations to date}}{558 \text{ Documents to date}}$

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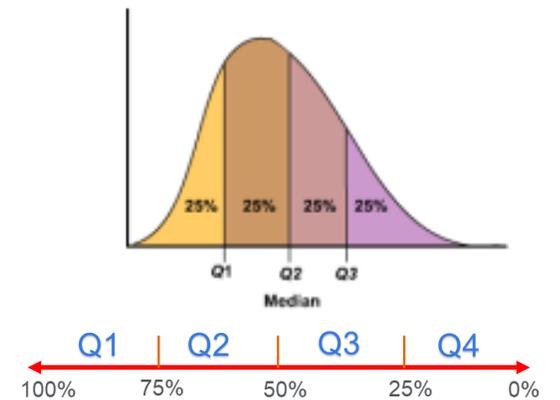
Read CiteScore of selected year or current year. Also see how it is calculated.

CiteScore rank 2021 ⓘ

| Category | Rank | Percentile |
|--|---------|------------|
| Agricultural and Biological Sciences | #2/119 | 98th |
| Agricultural and Biological Sciences (miscellaneous) | | |
| Social Sciences | #11/747 | 98th |
| Geography, Planning and Development | | |

Ecosystem Services is in Agricultural and Biological Sciences and also Social Sciences.

- Can you read its rank, percentile and quartile?



More on CiteScore

Ecosystem Services

Scopus coverage years: from 2012 to Present

Publisher: Elsevier

ISSN: 2212-0416

Subject area: Agricultural and Biological Sciences: Agricultural and Biological Sciences (miscellaneous) Social Sciences: Geography, Planning and Development

Environmental Science: Nature and Landscape Conservation Environmental Science: Ecology [View all](#)

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CiteScore 2021
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1.807

Select research area to see the rank of this journal comparing with others in the list.

See 5 years trends of this journal

CiteScore CiteScore rank & trend Scopus content coverage

CiteScore rank 2021 In category: Agricultural and Biological Sci...

| | | | |
|-----|--------------------|------|-----------------|
| #2 | Ecosystem Services | 11.7 | 98th percentile |
| 119 | | | |

| Rank | Source title | CiteScore 2021 | Percentile |
|------|---------------------|----------------|-----------------|
| #1 | Studies in Mycology | 33.4 | 99th percentile |
| #2 | Ecosystem Services | 11.7 | 98th percentile |
| #3 | IMA Fungus | 8.3 | 97th percentile |
| #4 | Astrobiology | 8.2 | 97th percentile |
| #5 | Mammal Review | 8.2 | 96th percentile |



Out of all 119 journals in **Agricultural and Biological Sciences**, Ecosystem Services is **2nd rank**. Therefore, it has **percentile at 98th** as Q1 Journal.

Scopus Source List



Scopus

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Sources

Title

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Minimum citations

Minimum documents

Citescore highest quartile

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1st quartile

42,180 results

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All View metrics for year: 2020

| | Source title ↓ | CiteScore ↓ | Highest percentile ↓ | Citations 2017-20 ↓ | Documents 2017-20 ↓ | % Cited ↓ |
|----------------------------|---|-------------|-------------------------------------|---------------------|---------------------|-----------|
| <input type="checkbox"/> 1 | Ca-A Cancer Journal for Clinicians iCate iCate | 463.2 | 99% 1/340 Oncology | 50,948 | 110 | 92 |
| <input type="checkbox"/> 2 | Nature Reviews Materials iCate iCate BIBSYS | 115.7 | 99% 1/292 Materials Chemistry | 21,170 | 183 | 98 |
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Scopus

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Source details

Feedback Compare sources

Biomedicine and Pharmacotherapy

Formerly known as: Biomedicine Express

Open Access

Formerly known as: Biomedicine

Scopus coverage years: from 1982 to Present

Publisher: Elsevier

ISSN: 0753-3322

Subject area: Pharmacology, Toxicology and Pharmaceutics: Pharmacology

Source type: Journal

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9.3

SJR 2020

1.323

SNIP 2020

1.443

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ISSN: 0976-6308 E-ISSN: 0976-6316

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Investigation on deactivation of Cu-Cr catalyst for direct ethanol dehydrogenation to ethyl acetate, acetaldehyde, and hydrogen

Preedavijitkul, S., Autthanit, C., ...Jongsomjit, B.

Journal of the Taiwan Institute of Chemical Engineers, 2023

Synthesis and characteristics of mesoporous carbon catalysts via sulfonation process from surfactant residue and their catalytic properties toward gas-phase ethanol dehydrogenation

Klinthongchai, Y., Praserttham, P., Jongsomjit, B.

Journal of the Taiwan Institute of Chemical Engineers, 2022

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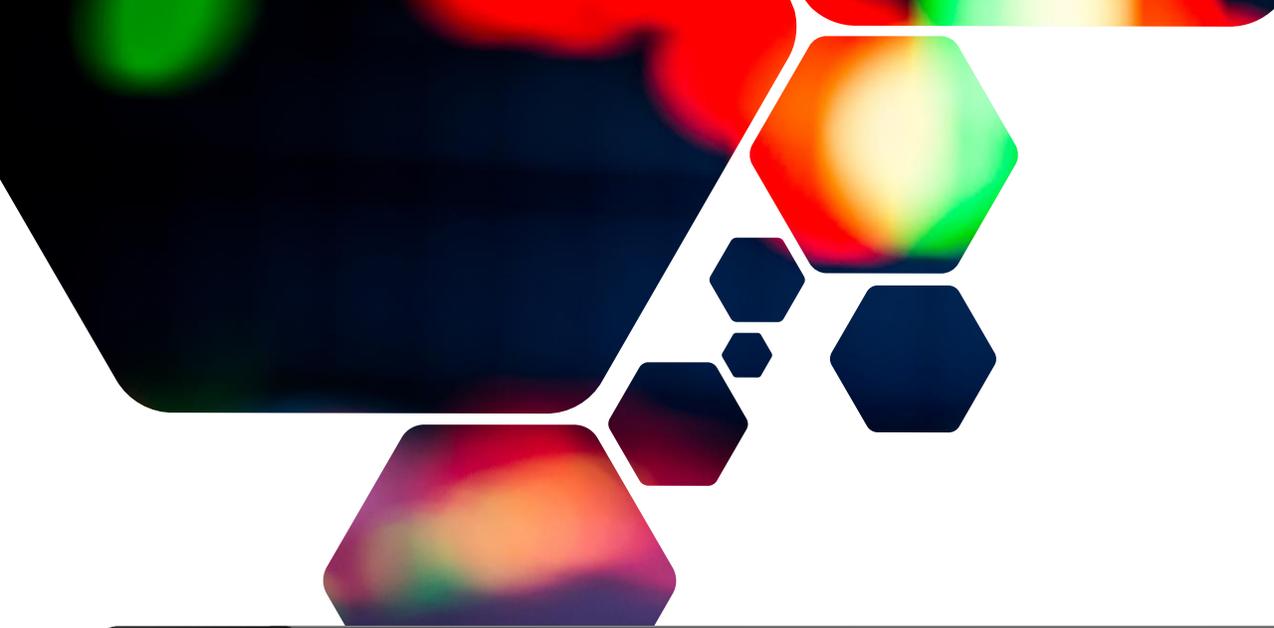
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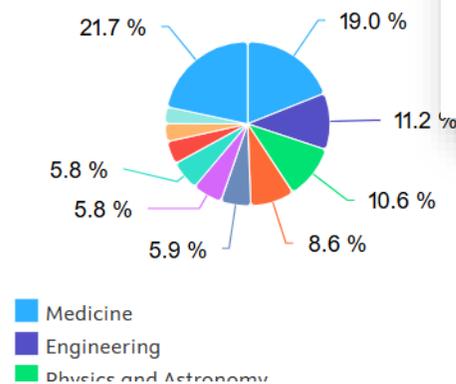
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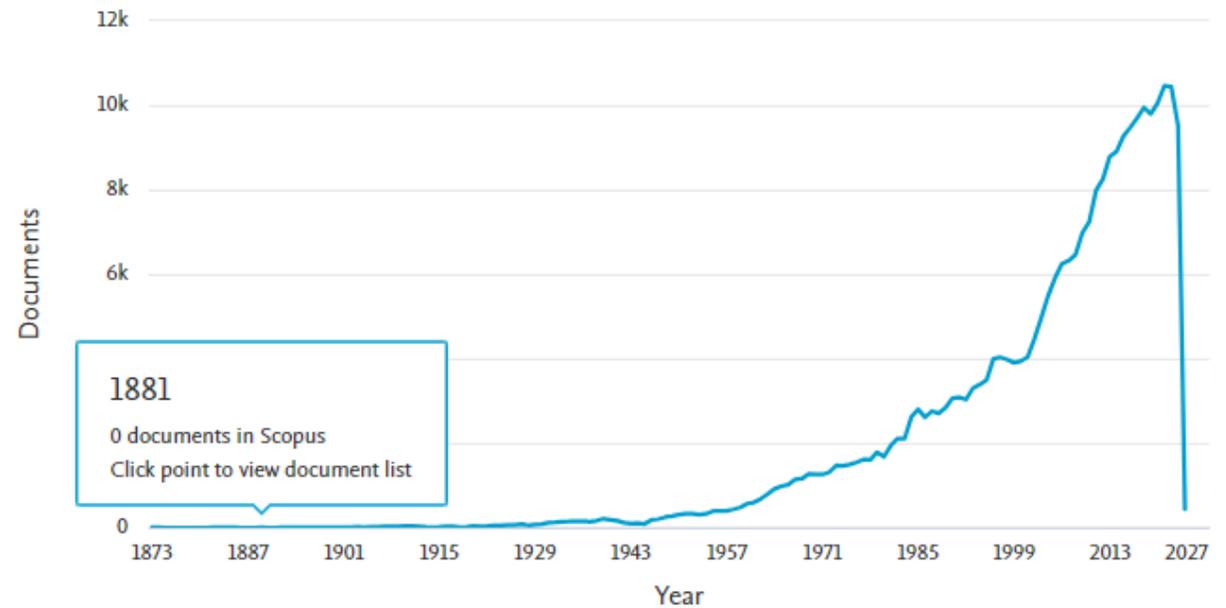
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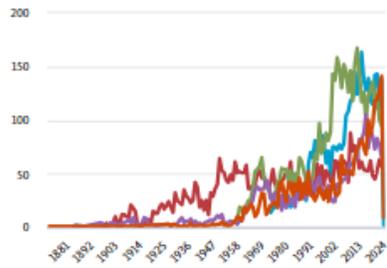
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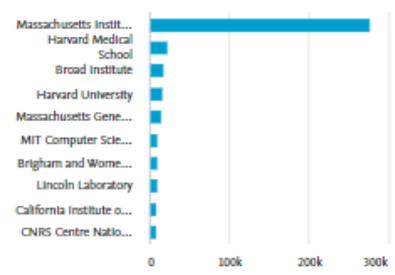
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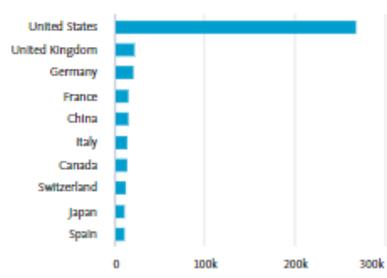
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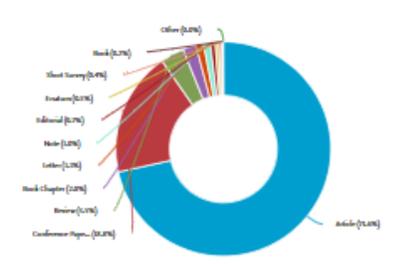
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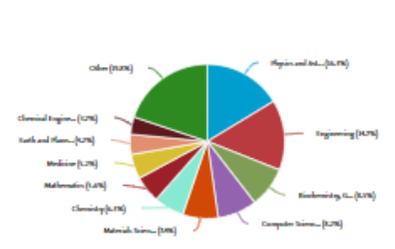
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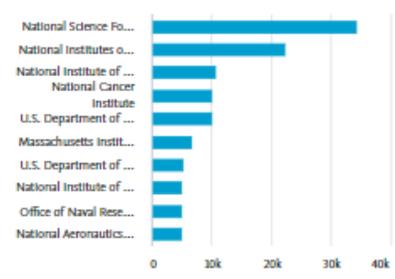
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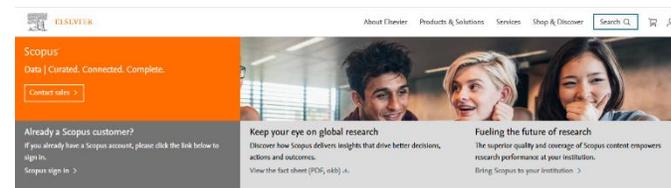
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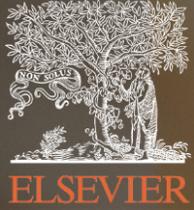
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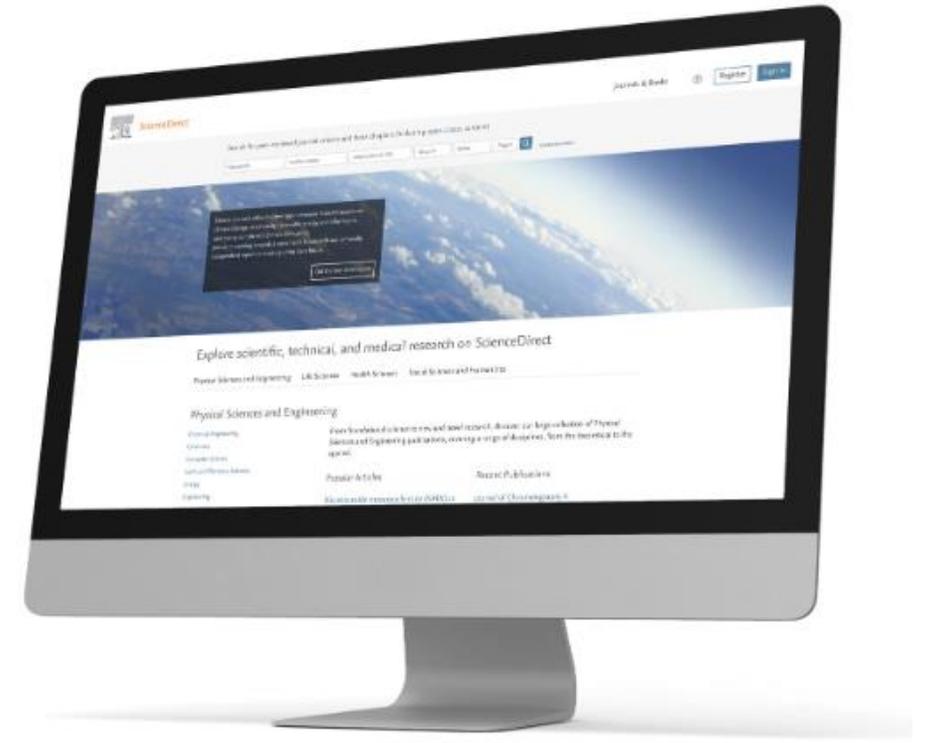
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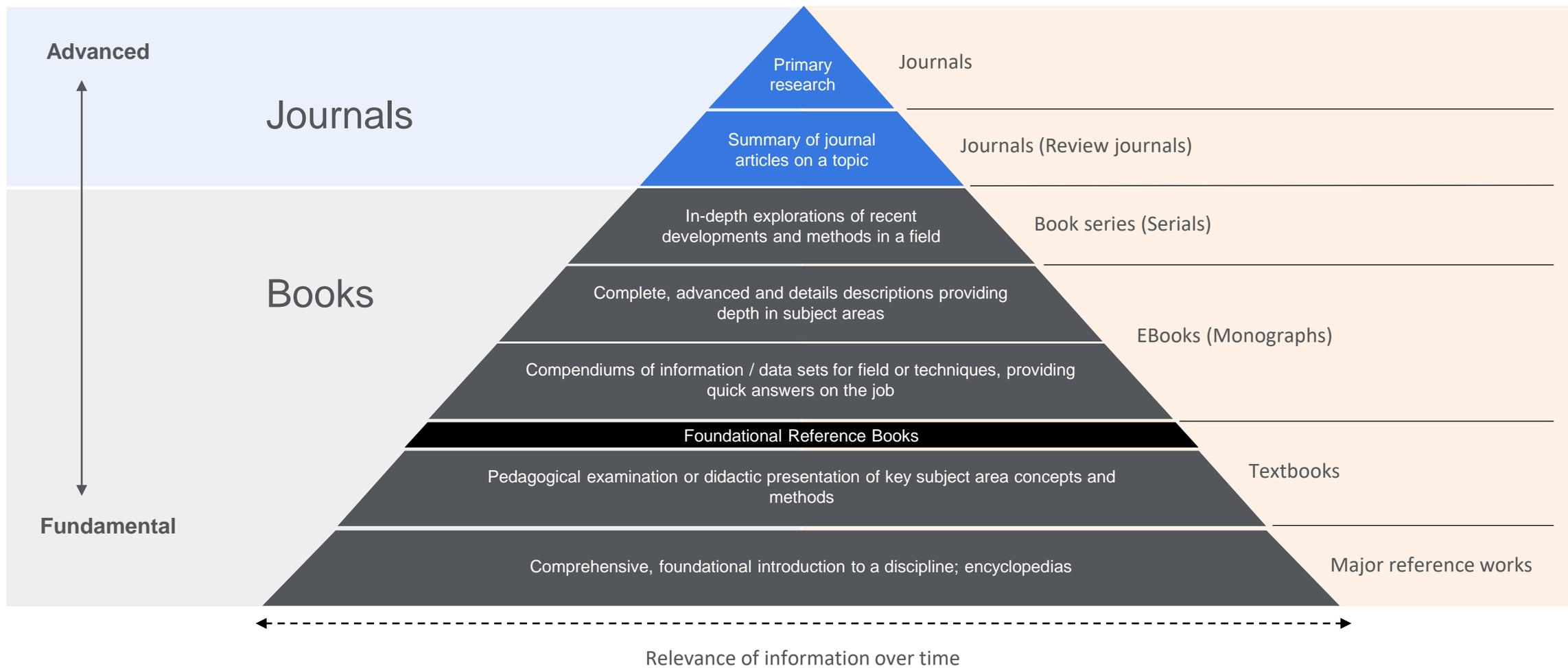


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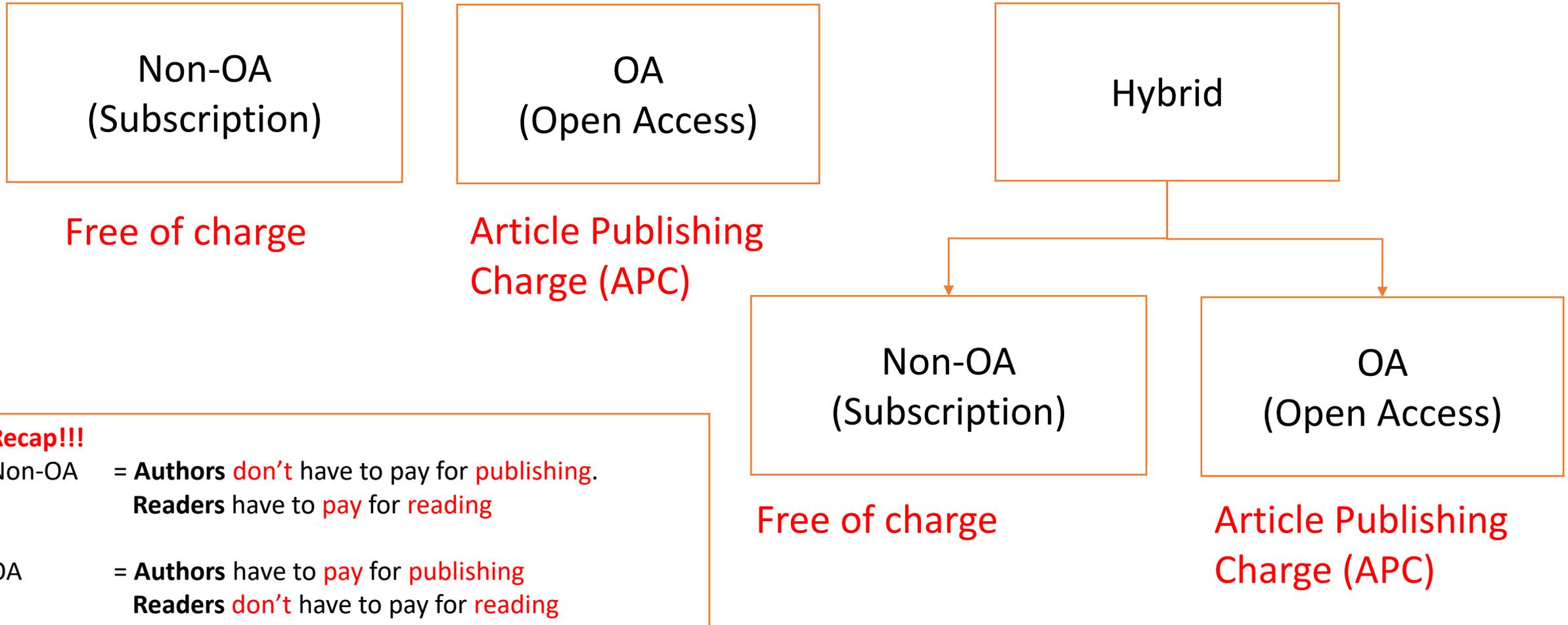
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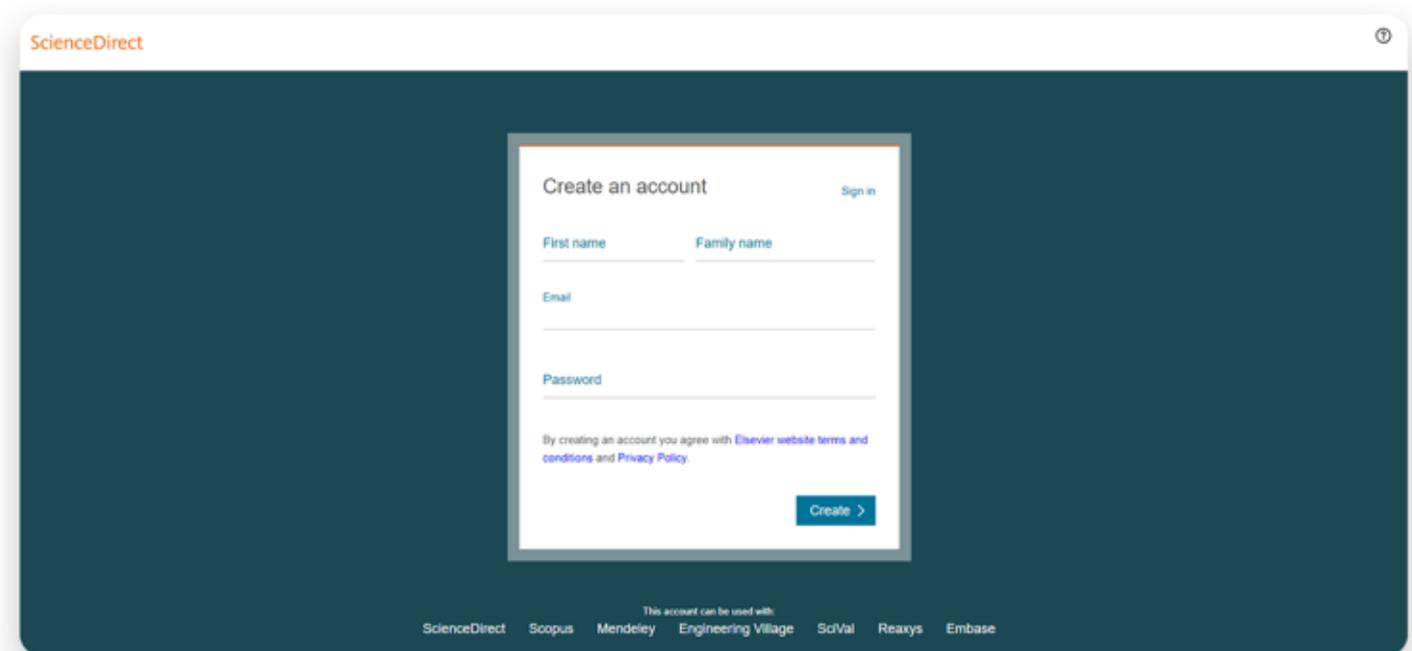
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 International Journal of Educational Research, 26 September 2021, ...
 You-Kyung Han, Aeri Song, Su Jung Um

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Highlights

Highlights

- Participation in a role-playing activity builds empathy for victims.
- The Youth Police Academy (YPA) program promotes anti-bullying attitudes.
- The YPA program cultivates effective strategies to cope with witnessing bullying.
- The YPA program was more effective in lowering reinforcer behaviors in females.

Abstract

Abstract

This study demonstrates the effectiveness of the Youth Police Academy bullying prevention program using a sample of 1649 students. Applying a semi-experimental research design, pre-test and post-test surveys were administered to an experimental group (N = 1,027) and a control group (N = 622). The results of the study reveal that the community-based anti-bullying program targeting bystanders had a positive impact in four areas: bystander indicators, empathy towards victims, anti-bullying attitudes, and coping responses to observations of bullying. Regarding

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- 2022 (79,329)

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- Research articles (582,340)
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1 The relationship between multisensory [associative learning](#) and multisensory integration
Neuropsychologia, 22 July 2022, ...
Sébastien A. Lauzon, Arin E. Abraham, ... Ryan A. Stevenson
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Research article Open access

2 Taste-immune [associative learning](#) amplifies immunopharmacological effects and attenuates disease progression in a rat glioblastoma model
Brain, Behavior, and Immunity, 14 September 2022, ...
Susann Hetze, Lennart Barthel, ... Martin Hadamitzky
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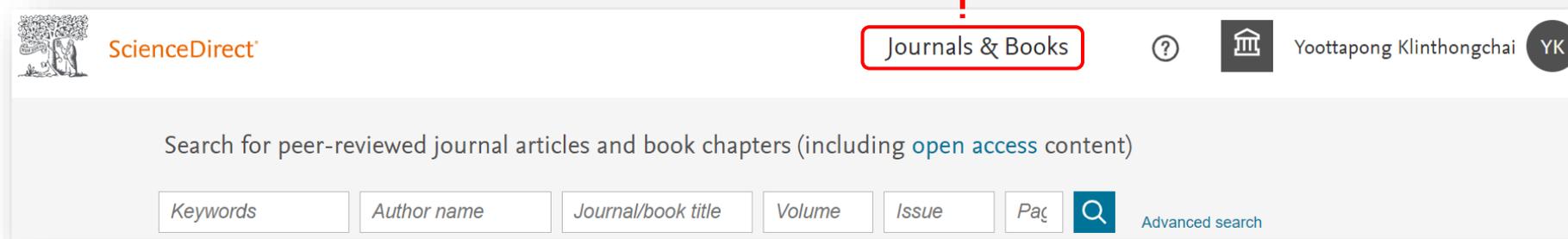
Enhancing Fundamental Knowledge

- Users can select any keyword or text to get quick and authoritative search results
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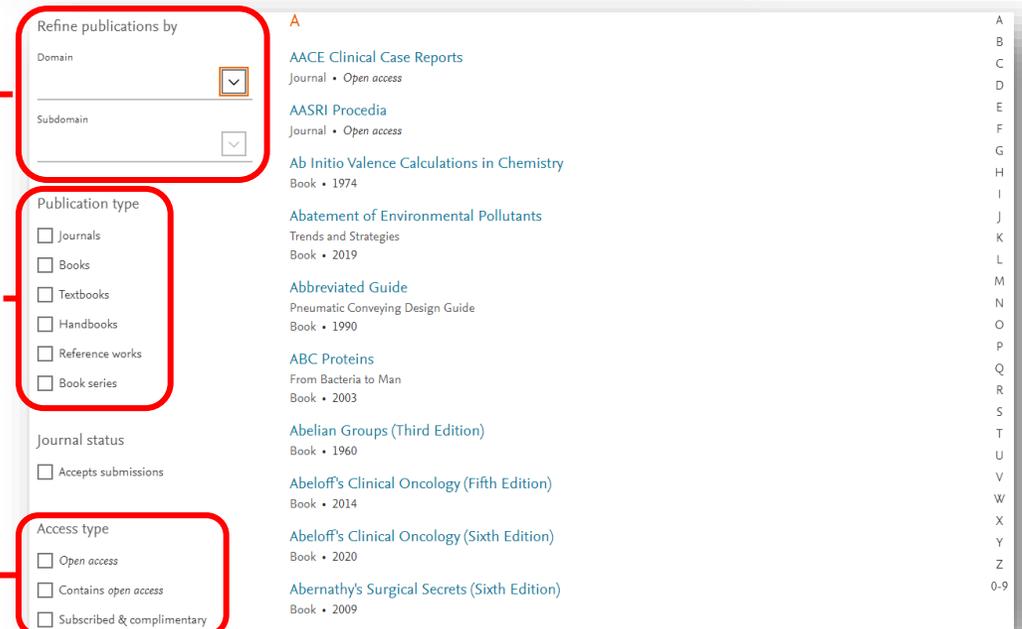
Browsing

If you want to begin your ScienceDirect experience by browsing through the content instead of searching, just click on Journals and Books on the homepage.



This modernized browse page has enhanced search capabilities and simpler URL composition.

- Refine publications by domain and sub-domain
- Select the type of publications
- Choose the type of access

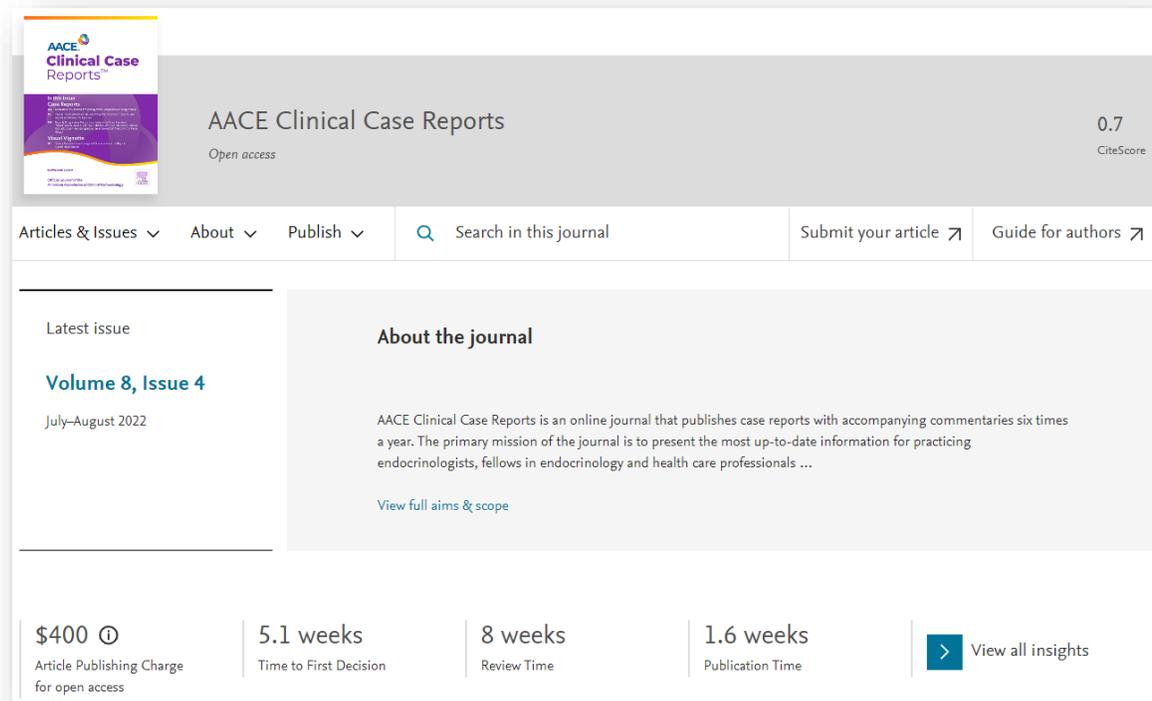


Journal homepages easier to evaluate

When your research takes you to the homepage of a journal quickly determines its relevance to your needs. You spend less time trying to find the right information – they load within one second – and more time using what you find in your workflow.

With the “card concept”, a series of rectangular panels containing specific information types, you can find journal information and related links more easily than ever. The new design also improves accessibility for users with disabilities.

- Improved navigation allows you to discover relevant content faster
- Access indicators help identify available content, including open access



The screenshot displays the journal homepage for AACE Clinical Case Reports. The header includes the journal title, 'Open access' status, and a CiteScore of 0.7. A navigation bar contains links for 'Articles & Issues', 'About', 'Publish', a search bar, 'Submit your article', and 'Guide for authors'. The main content area is divided into two columns: 'Latest issue' (Volume 8, Issue 4, July–August 2022) and 'About the journal' (describing the journal's mission). At the bottom, a row of metrics is shown: Article Publishing Charge for open access (\$400), Time to First Decision (5.1 weeks), Review Time (8 weeks), and Publication Time (1.6 weeks), followed by a 'View all insights' button.

Find deeper insights about Journals through the Journals Insight Page



Improving Author Experience

- Find Key metrics and deeper insights about Journals with the new Journals Insights page.
- This feature enables end-users to make informed decisions about the Journal during their article submission process.

The screenshot shows the 'Insights' page for the journal Chemosphere. The page is divided into several sections:

- Header:** Chemosphere logo and 'Supports open access'.
- Navigation:** Articles & Issues, About, Publish, Search in this journal, Submit your article.
- Latest issue:** Volume 321, In progress, April 2023.
- About the journal:** Description of the journal as a multidisciplinary journal.
- Key Metrics:**
 - Article Publishing Charge for open access: \$3610
 - Time to First Decision: 2.8 weeks
 - Publication Time: 0.7 weeks
- Insights Section:**
 - Article Publishing Charge:** \$3610. Description: 'This journal offers authors the option to publish their research via subscription (without Article Publishing Charge) or open access. To publish open access, a publication fee (APC) needs to be met by the author or research funder.'
 - Publishing timeline:** 2.8 weeks (Time to First Decision) and 0.7 weeks (Publication Time). Description: 'The average number of weeks it takes for an article to go from manuscript submission to the initial decision on the article, including standard and desk rejects.'
 - Abstracting and indexing:** A list of databases including PubMed/Medline, Environmental Periodicals Bibliography, Analytical Abstracts, Aqualine Abstracts, BIOSIS Citation Index, Elsevier BIOBASE, Cambridge Scientific Abstracts, Current Contents - Agriculture, Biology & Environmental Sciences, Chemical Abstracts, Embase, Pascal Francis, Science Citation Index, Web of Science, Research Alert, and Scopus.

The screenshot shows the 'Journal Insights' dropdown menu on the Chemosphere journal website. The menu is open, showing the following options:

- Journal Insights
- Aims & scope
- ISSN
- Subject areas
- Impact
- Article publishing charge
- Publishing timeline
- Abstracting and indexing

The 'Journal Insights' option is highlighted with a red box. The page also displays the following information:

- Search:** Search in this journal
- Navigation:** Articles & Issues, About, Publish, Submit your article, Guide for authors
- Journal Description:** Chemosphere is an international journal designed for the publication of original communications as well as review articles on chemicals in the environment.
- ISSN:** Online ISSN: 1879-1298 | Print ISSN: 0045-6535
- Subject areas:** Environmental Science (General), Environmental Chemistry
- Impact:** CiteScore 11.7, Impact Factor 8.943
- Article publishing charge:** \$3610. Description: 'This journal offers authors the option to publish their research via subscription (without Article Publishing Charge) or open access. To publish open access, a publication fee (APC) needs to be met by the author or research funder.'
- Publishing timeline:** 2.8 weeks (Time to First Decision) and 0.7 weeks (Publication Time)
- Abstracting and indexing:** A list of databases including PubMed/Medline, Environmental Periodicals Bibliography, Analytical Abstracts, Aqualine Abstracts, BIOSIS Citation Index, Elsevier BIOBASE, Cambridge Scientific Abstracts, Current Contents - Agriculture, Biology & Environmental Sciences, Chemical Abstracts, Embase, Pascal Francis, Science Citation Index, Web of Science, Research Alert, and Scopus.

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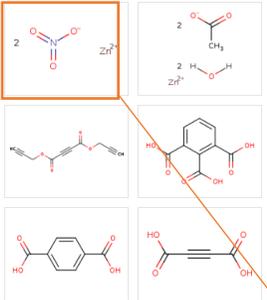
Tetrahedron
Go to Tetrahedron on ScienceDirect
16, 36, 1 September 2008, Pages 8553-8557

Room temperature synthesis of metal-organic frameworks: MOF-5, MOF-74, MOF-177, MOF-199, and IRMOF-0

David J. Tranchemontagne, Joseph R. Hunt, Omar M. Yaghi

Abstract
Room temperature synthesis of metal-organic frameworks (MOFs) has been developed for four well-known MOFs: MOF-5, MOF-74, MOF-177, and MOF-199. A new isorecticular metal framework (IRMOF), IRMOF-0, having the same cubic topology as MOF-5, has been synthesized from acetylenedicarboxylic acid using this method to accommodate the thermal sensitivity of the linker. Despite acetylenedicarboxylate being the shortest straight linker that can be made into an IRMOF, IRMOF-0 forms a doubly interpenetrating structure, owing to the rod-like nature of the linker.

Substances (7)
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Part of special issue
2007 Tetrahedron Prize for Creativity in Organic Chemistry. Synthetic NanoSystems and NanoMachinery. Professor Sir Fraser Stoddart

Reaxys substance information

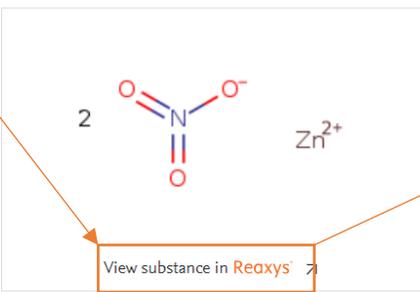
zinc(II) nitrate
zinc nitrate
Zn(NO₃)₂
zinc dinitrate

Molecular formula
N₂O₆Zn

Molecular weight
189.4

CAS Registry Number
10196-18-6

Suppliers Druglikeness Reactions



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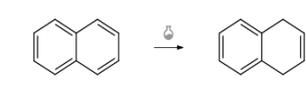
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1,913 Reactions out of 2,577 Documents, containing 3,627 Substances, 900 Targets

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46 Hits/Conditions Find Similar Reaction ID: 139970

| Conditions | Yield |
|--|-------|
| With sodium In diethyl ether; tert-butyl alcohol Inert atmosphere; Reflux; | 97% |
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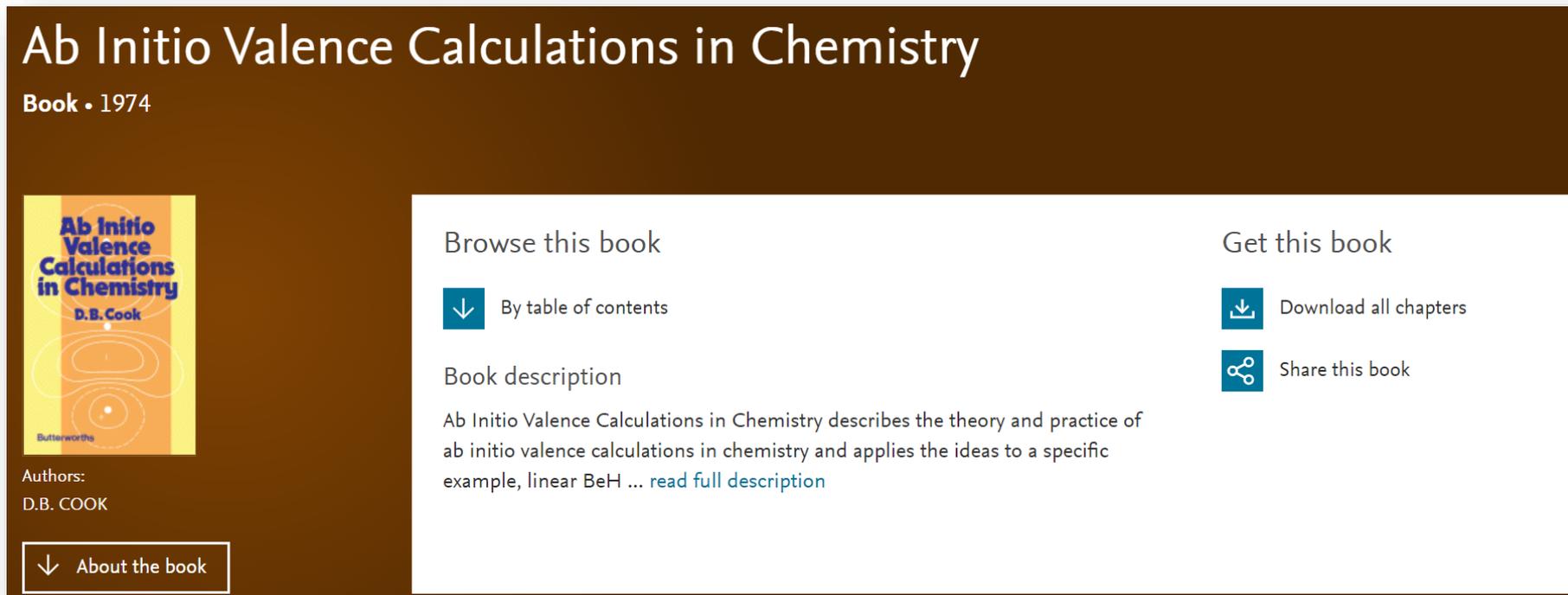
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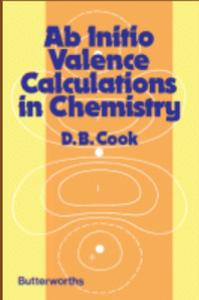
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The screenshot shows the ScienceDirect Topics interface. On the left, a grid of subject areas is displayed with their respective article counts:

| Subject Area | Count |
|--|--------|
| Agricultural and biological sciences | 30,269 |
| Biochemistry, genetics and molecular biology | 27,269 |
| Chemical engineering | 1,369 |
| Chemistry | 18,941 |
| Earth and planetary sciences | |
| Economics, econometrics and finance | |
| Engineering | |
| Food science | |
| Immunology and microbiology | |

The right side of the screenshot shows a detailed view for 'Topics in Economics, Econometrics and Finance'. It includes a search bar, a description of the topic's coverage, and a list of related terms: Abatement Cost, Absenteeism, Academic Discipline, and All.

The infographic highlights four key features of ScienceDirect topic pages:

- 375,000 topic pages**
- Covering 20 scientific disciplines**
- Hyperlinked from 10 million journal articles and book chapters**
- Freely available, with 22 million visits per month**

A new age of discovery: Using machine learning to generate topic pages

Taxonomy Building
Over 15 taxonomies in different fields have been used to identify the most important concepts to build topic pages.

Data Mining
We run our taxonomies across all Elsevier's book content and other reference material to identify potential candidates for extraction.

Algorithmic Information Extraction
We then use natural language processing algorithms to ensure the right sections of content are being chosen.

Quality Confirmation
By collecting feedback from subject matter experts and measuring quality, topic pages are continuously improving.

Relevancy Ranking
Heuristic techniques are used to rank definitions and snippets to push the most relevant and diverse information to the top.



Enhancing Fundamental Knowledge

- A central place from which to start the path of discovery and understanding

- **375,000+** pages across **20** subject areas, hyperlinked from **10 million** journal articles
- Over **22 million** visits per month, **2nd** most visited after article pages

ScienceDirect topics expand your knowledge with foundational content

ScienceDirect Topics have become a popular feature for researchers and students looking to broaden their understanding of scholarly and technical terms. Topics are especially useful for onboarding in interdisciplinary research or just to learn or better understand a new concept.

Topics reveal succinct, selected contextual information from reference books, valuable content when and where you needed it in your natural research workflow. You can access Topics via ScienceDirect and also through search engines such as Google.

When working in ScienceDirect, simply hover over a highlighted word in the article you're reading. Via hyperlink, you can immediately go to a page with authoritative and foundational content for that term.

system processes as we have done over the past century. Understanding the relationship between molecular structure and function is a core outcome for learning and applying chemistry in curriculum mapping frameworks such as the ACS Anchoring Concepts Content Maps for general and inorganic chemistry [33].

Inorganic Chemistry

In inorganic chemistry, mass spectrometry is most often used to determine the molar mass of compounds.

From: *Environmental Inorganic Chemistry for Engineers*, 2017

Related terms:

Solute, Ligand, Metal Ion, Cation, Inorganic Substance, Ion, Nomenclature, Non-Metal, Rock Glacier

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Inorganic Chemistry

DR, James G. Speight, in *Environmental Inorganic Chemistry for Engineers*, 2017

2.1 Introduction

If organic chemistry is defined as the chemistry of hydrocarbon compounds and their derivatives, *inorganic chemistry* can be described very generally as the chemistry of noncarbon compounds or as the chemistry of *everything else*. This includes all the remaining elements in the periodic table (Figs. 2.1 and 2.2) and some compounds of carbon (such as *carbon monoxide* (CO) and *carbon dioxide* (CO₂)).

Groundwater Chemistry

Charles R. Fitts, in *Groundwater Science (Second Edition)*, 2013

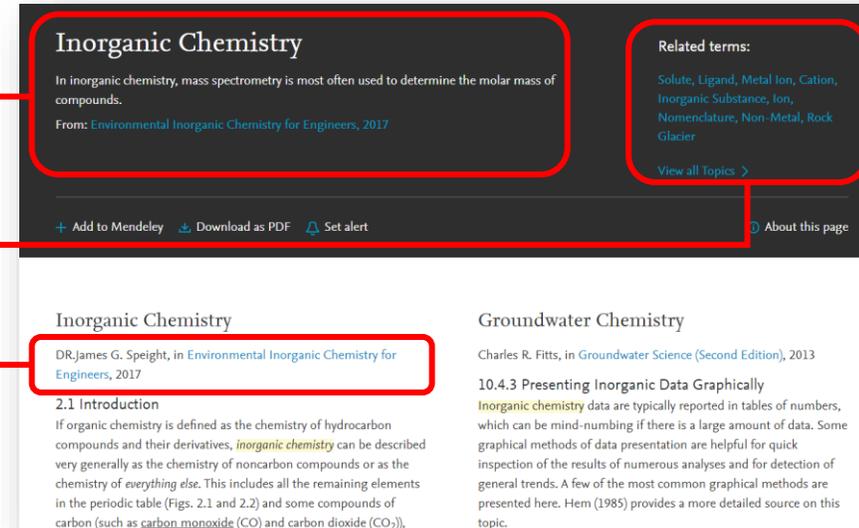
10.4.3 Presenting Inorganic Data Graphically

Inorganic chemistry data are typically reported in tables of numbers, which can be mind-numbing if there is a large amount of data. Some graphical methods of data presentation are helpful for quick inspection of the results of numerous analyses and for detection of general trends. A few of the most common graphical methods are presented here. Hem (1985) provides a more detailed source on this topic.

ScienceDirect topics expand your knowledge with foundational content

You'll see

- A short definition
- Related terms
- Excerpts from relevant book content



The screenshot shows a ScienceDirect topic page for 'Inorganic Chemistry'. It features a dark header with the title 'Inorganic Chemistry' and a short definition: 'In inorganic chemistry, mass spectrometry is most often used to determine the molar mass of compounds.' Below the definition is the source: 'From: Environmental Inorganic Chemistry for Engineers, 2017'. To the right, a 'Related terms' box lists: 'Solute, Ligand, Metal Ion, Cation, Inorganic Substance, Ion, Nomenclature, Non-Metal, Rock Glacier' and a 'View all Topics >' link. Below the header are options: '+ Add to Mendeley', 'Download as PDF', and 'Set alert'. The main content area shows two columns: 'Inorganic Chemistry' with a sub-section '2.1 Introduction' and 'Groundwater Chemistry' with a sub-section '10.4.3 Presenting Inorganic Data Graphically'. Red lines connect the bullet points in the 'You'll see' section to these elements in the screenshot.

You have the option to dig deeper by clicking to read an entire chapter.

If you're using Google or another search engine to get more information about a term, just enter the term and ScienceDirect, and it comes up. With enhanced taxonomy across all 20 Topic domains, Topic pages are available for many disciplines including:

- Neuroscience
- Biomedical Sciences
- Life Sciences
- Chemistry
- Chemical Engineering
- Computer Science
- Engineering
- Mathematics
- Physics and Astronomy
- Economics, Econometrics and Finance
- Food Science
- Materials Science and Materials Engineering
- Earth and Environmental Sciences
- Psychology
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Once you've either searched in ScienceDirect or browsed publications, you can choose to sign up for alerts. Go to 'My alerts', then click on either 'Journal & Book series', 'Search' or both. You can select a publication or carry out a search to set the alerts you want.



The screenshot shows the ScienceDirect website interface. At the top left is the ScienceDirect logo. To the right of the logo are navigation links for 'Journals & Books', a help icon, a search bar containing 'Search ScienceDirect', and a user profile icon for 'Yoottapong Klinthongchai' with the initials 'YK'. Below the navigation bar are three tabs: 'Recommendations', 'History', and 'Alerts'. Under the 'Alerts' tab, there are two sub-tabs: 'Journal & Book series' and 'Search'. The main content area displays a message to the user: 'Yoottapong, are you interested in keeping up to date with publications?'. Below this message, it states: 'You don't have any journal, book series, and handbook alerts yet. Set up alerts and never miss updates to publications in your field of interest. To get started, go to a publication's home page and select "Set up journal alerts".' A blue button labeled 'Find a publication >' is centered below the text. At the bottom of the message box, there is a link: 'Have questions about alerts? Here is a more detailed walk through. >'

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When signed in, Reading History helps you keep track of what you have been reading

The 100 most recent articles you have viewed will be saved.

You can then review, save and delete items from your ScienceDirect Reading History or download the full list of entries.

A screenshot of the ScienceDirect website's Reading History page. The page shows the ScienceDirect logo, navigation links for "Journals & Books", a search bar, and a user profile for "Yootapong Klinthongchai". The main content area is titled "Your search history on ScienceDirect" and includes a toggle for "Save search history" which is currently turned "On". Below this, there is a section for "Today - Monday, 5 September 2022" with two search entries: "chemistry" (3,001,581 results) and "cyberbullying" (2,678 results). Each entry has options to "Re-run search" and "Only show me new results". There are also links to "Download history as CSV" and "Delete all". A "FEEDBACK" button is visible in the bottom right corner.

ScienceDirect Journals & Books Search ScienceDirect Yootapong Klinthongchai YK

Recommendations History Alerts

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Today - Monday, 5 September 2022 [Download history as CSV](#) [Delete all](#)

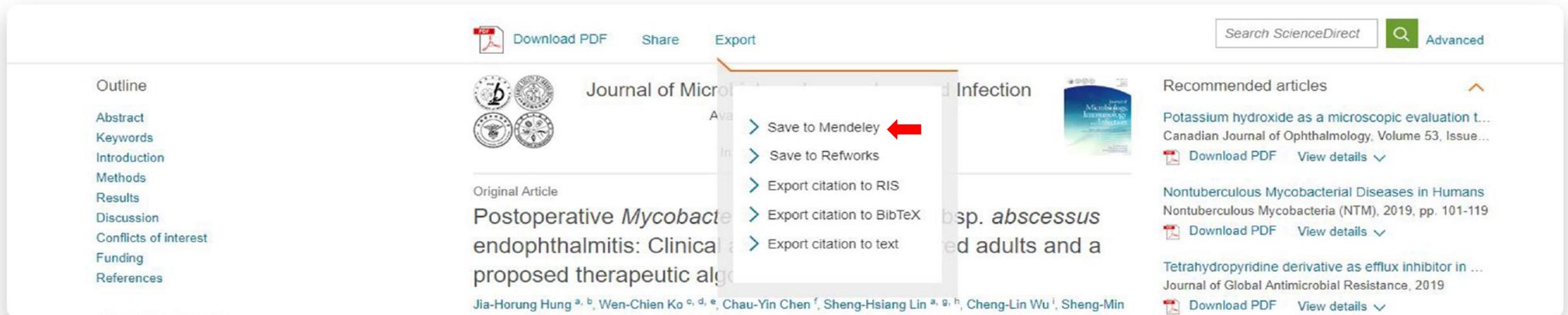
| | | |
|-------|--|-------------------|
| 13:15 | chemistry Number of search results: 3,001,581 Re-run search Only show me new results | X |
| 12:41 | cyberbullying Number of search results: 2,678 Re-run search Only show me new results | X |

FEEDBACK

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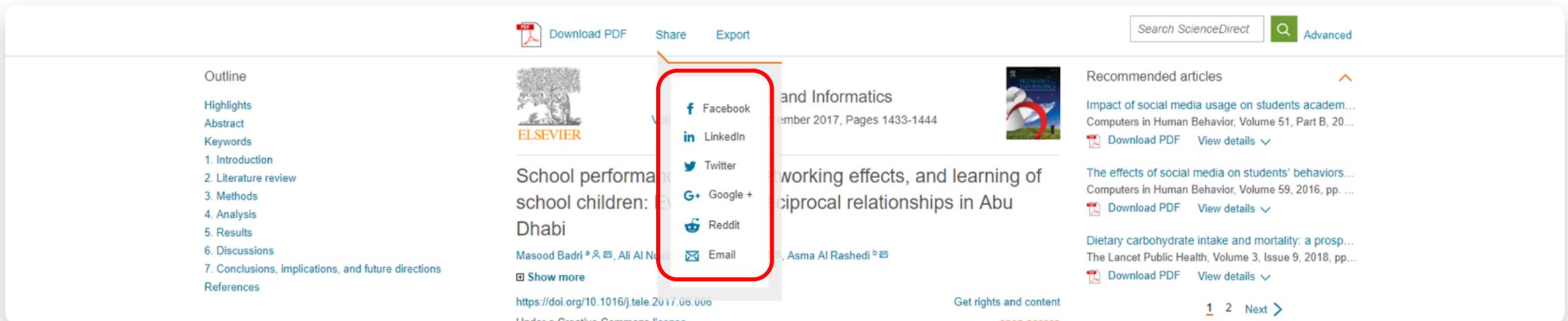


The screenshot shows the ScienceDirect interface for an article. The article title is "Postoperative Mycobacterium abscessus endophthalmitis: Clinical and proposed therapeutic algorithm". The authors listed are Jia-Horung Hung, Wen-Chien Ko, Chau-Yin Chen, Sheng-Hsiang Lin, Cheng-Lin Wu, and Sheng-Min. The "Export" menu is open, and the "Save to Mendeley" option is highlighted with a red arrow. Other options in the menu include "Save to Refworks", "Export citation to RIS", "Export citation to BibTeX", and "Export citation to text". The page also features a "Download PDF" button, a search bar, and a list of recommended articles on the right side.

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The screenshot displays a ScienceDirect article page. At the top right, there is a search bar with the text "Search ScienceDirect" and a magnifying glass icon, followed by an "Advanced" search button. Below the search bar, the article title "School performance of school children: Dhabi" is visible, along with the Elsevier logo and a "Download PDF" button. A "Share" button is highlighted with a red box, and a dropdown menu is open, showing social media sharing options: Facebook, LinkedIn, Twitter, Google+, Reddit, and Email. The article's authors, Masood Badri and Ali Al Naimi, are listed below the title. On the right side of the page, there is a "Recommended articles" section with several article titles and "Download PDF" buttons. The page number "1" and a "Next" button are visible at the bottom right.

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To solve this, Elsevier has partnered with leading publishers in a pilot to help **researchers find relevant academic papers more efficiently**

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Readers gain a more comprehensive discovery and have fewer steps between discovery and delivery

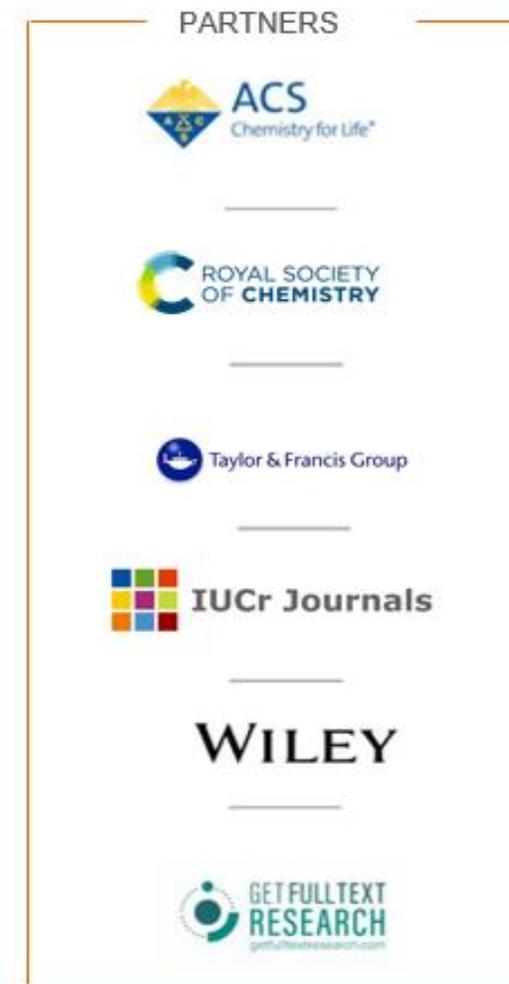
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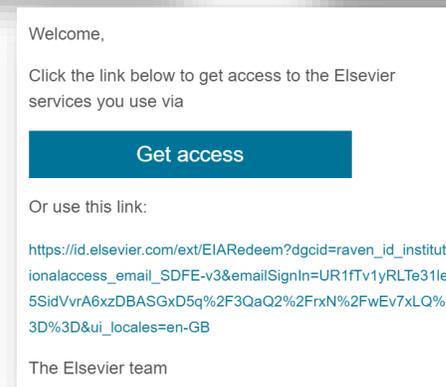
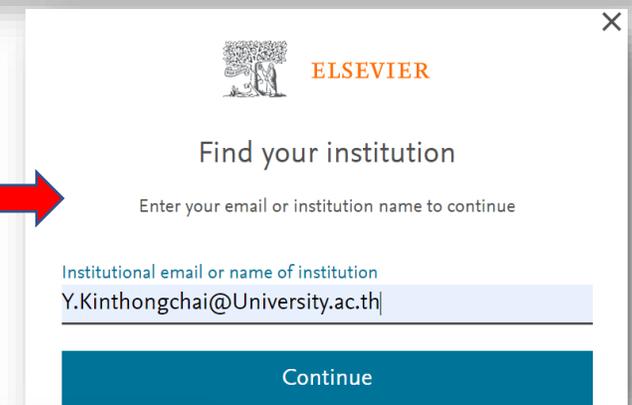
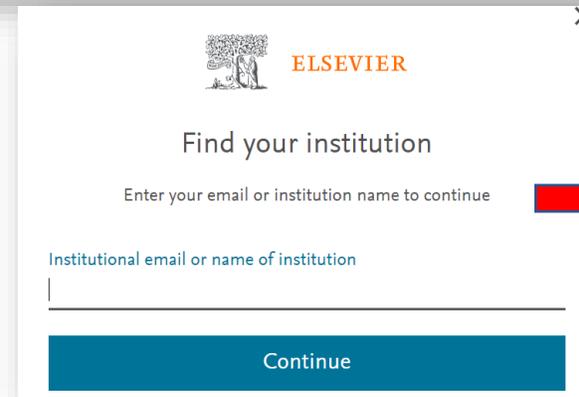
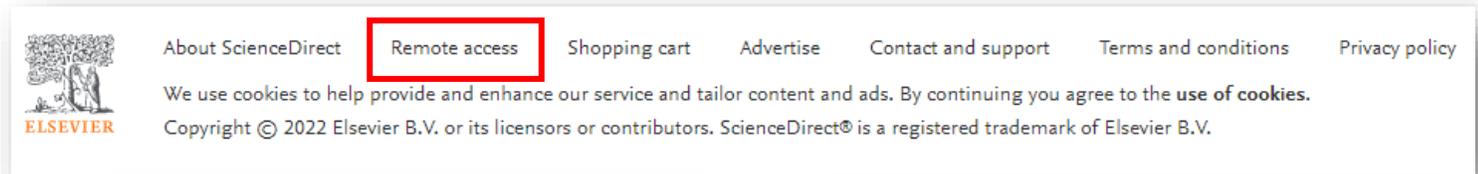
90% of researchers think the pilot is a good idea

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- Process Chemistry and Technology

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Coordination Chemistry in the Americas
Guest editors: Simon Humphrey, Kristin Bowman-James, Angela Danil de Namor. Submission deadline: 31 December 2022
Coordination Chemistry Reviews • Impact Factor 24.833 • CiteScore 31.5

MILD combustion in the energy transition
Guest editors: Alessandro Parente, Mara De Jaannon, Jianchun Mi, Giancarlo Sorrentino. Submission deadline: 1 April 2023
Applications in Energy and Combustion Science

Proceedings of 6th Asia-Pacific Conference on Luminescence and Electron Spin Resonance Dating (APLED 2022)
Guest editors: Eren Şahiner, Georgios S. Polymeris, M. Korhan Erturap, Constantin Athanassas, Mathieu Duval, Gaye Ö. Çakal. Submission deadline: 15 January 2023
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5

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Forthcoming Special Issues

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Catalytic Upcycling of Waste Plastics

Special issue detail

Rationale for a Themed Collection in Applied Catalysis B: Catalytic conversion and upcycling of polymers is a fast-expanding field of catalysis research that is poised to play a critical role in the environmental abatement of disposed waste plastics and the decarbonization of the chemical industry by keeping carbon in a circular economy. Every day scientists expand our knowledge of the catalytic chemistry of polymer deconstruction in both breadth and depth. This research area is a vibrant and dynamic field of catalysis with innovations typically scattered among high-impact chemistry, catalysis, polymers, and broad audience journals. As a result, the number of publications on plastic upcycling has increased exponentially since 2018. Hence, a Themed Collection in Applied Catalysis B on plastic upcycling will bring the community together and share the latest achievements on the catalytic transformation of discarded polymers following relatively mature technologies and radically new approaches.

Scope of the Themed Collection: The Themed Collection would welcome original research and perspective review articles focusing on recent fundamental and applied advances in catalytic conversion of polymers and/or waste-derived feedstocks. Possible topics include but are not limited to:

Manuscript submission information:

Submissions are made at: <https://www.sciencedirect.com/journal/applied-catalysis-b-environmental>

When submitting, please select “VSI:Plastic Upcycling” when you reach the “Issue – Select Issue Type” step at the start of the submission process. To ensure high-quality contributions, all articles will be subject to the usual peer-review process of *Applied Catalysis B: Environmental*.

We look forward to your paper submission.

Timeline:

- Author Invitation Date: September 9, 2022
- Date the first submission is expected: December 9, 2022
- Manuscript Submission Deadline: March 9, 2023
- Editorial Acceptance Deadline: June 9, 2023

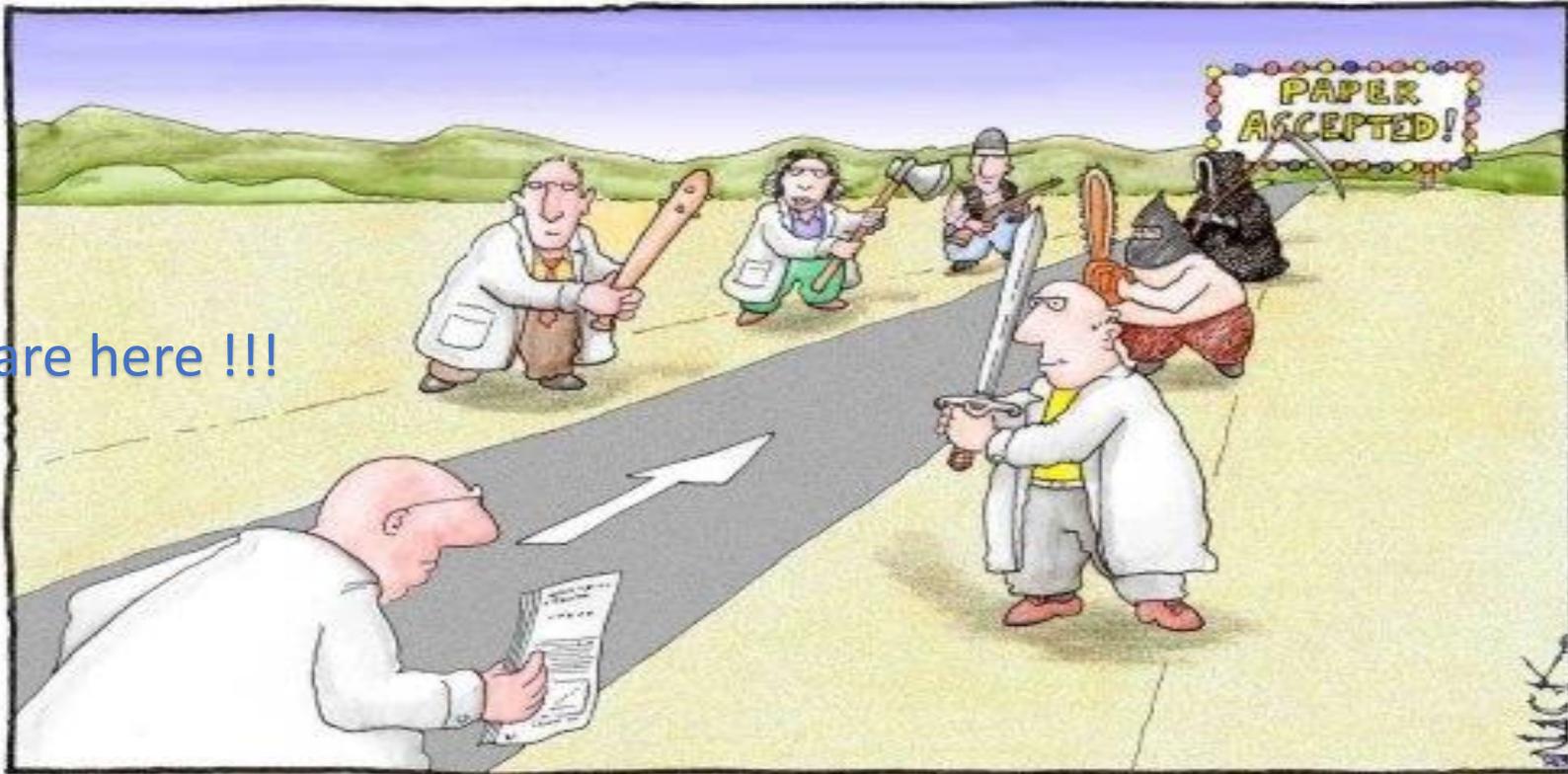
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29 August 2022
Catalytic Upcycling of Waste Plastics

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Most scientists regarded the new streamlined peer-review process as 'quite an improvement.'

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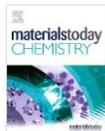
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Online ISSN: 2468-5194

Subject areas

Biomaterials, Materials Chemistry, Energy (General), Nanotechnology

Catalysis, Nanotechnology

Biomaterials, Materials Chemistry, Polymers and Plastics, Nanotechnology

Aims and scope

The journal Carbon is an international multidisciplinary forum for **communicating scientific advances in the field of carbon materials**, including **low-dimensional carbon-based nanostructures**. The ...

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The Official Journal of the International Zeolite Association

Microporous and Mesoporous Materials covers novel and significant aspects of **porous solids** classified as either **microporous** (pore size ...

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Materials chemistry is one of the fastest developing areas of science, covering the ...

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Abstracting and indexing

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Geographical Pricing for Open Access (GPOA)

Pilot details

Elsevier is piloting a program from January 2024 to set APC prices for 143 gold open access journals according to the income level of the country of the corresponding author.

- For these pilot journals we will waive the APC for corresponding authors who are based in low-income countries as classified by the World Bank as of July 2023.
- For articles whose corresponding authors are based in lower-middle-countries the geo-price will be 20 percent of the APC global list price.
- Corresponding authors based in upper-middle-income countries and where R&D intensity (domestic expenditure on R&D expressed as a percentage of GDP according to OECD) is below two percent are defined in three different groups based on GNI per capita and will see a different APC geo-price based on the GNI per capita of the country ranging from 45 percent to 90 percent of the APC list price.
- [List of journals included in Elsevier's geographical pricing for open access pilot](#)

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OA S ISSN: 0195-9255 • Indexed by Chinese Academy of Sciences (中科院期刊分区)

Text match score

Top matching keywords: Air Pollution

CiteScore: 7.6

Impact Factor: 6.122

Acceptance rate: 12%

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Time to publication: 2 weeks

3 Citescore, IF, acceptance rate, time to 1st decision, and time to publication

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Text match score

Top matching keywords: Air Pollution

Subject area: Ecology, Management, Monitoring, Policy and Law, Geography, Planning and Development

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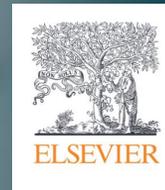
Journal scope: Part one: aims and scope... Environmental Impact Assessment Review (EIA Review) is a refereed, interdisciplinary journal serving a global audience of practitioners, policy makers, regulators, academics and others with an interest in the field of impact assessment (IA) and management. Impact assessment is defined by the International Association for Impact Assessment (iaia.org) as the process of identifying the future consequences of a current or proposed action, for EIA Review, the field of IA can be related to as the assessment of impacts on or of the environment (including, for example, EIA and SEA), social (SIA), health (HIA), risk (RIA), human rights, equity, language, technology, products, etc. With current or proposed actions, the EIA Review audience assesses how best to evaluate the impacts of policies, projects, processes and products, and how best to make decisions and undertake management activities. The focus of EIA Review is on innovative theory and practice that encompasses any of the above mentioned impacts and activities. In other words, EIA Review covers the following topics (the list is not exhaustive):

- Development of IA theory and concepts;
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Despite its name EIA Review is not restricted to review articles; However, it aims to publish only contributions

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- > Going through peer review
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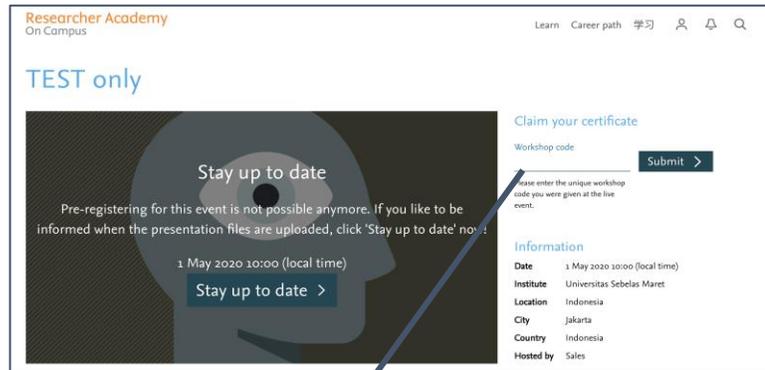
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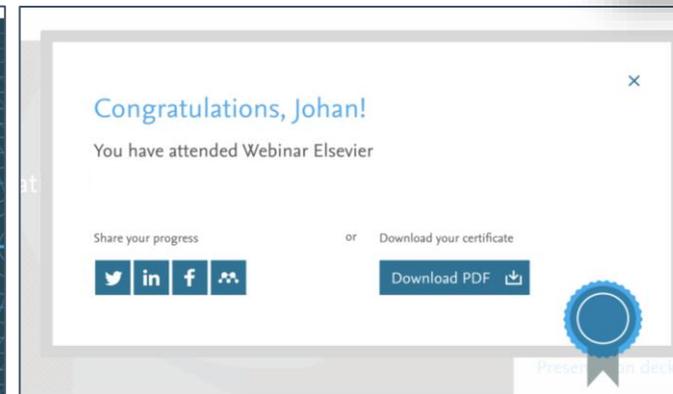
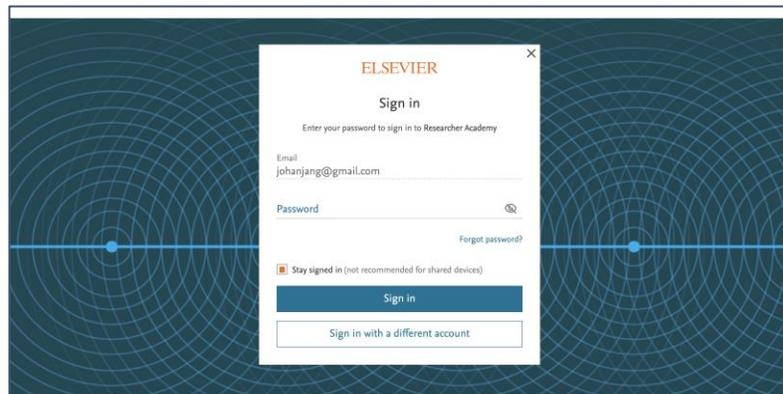


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