Scopus
ScienceDirect
ScienceDirect Topics

Hossein Aazami

Training Director at FarIdea Company

Elsevier Product Training Specialist

Who is Elsevier?

Elsevier, the modern publishing company, was founded in 1880.

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Fast facts about Elsevier

99%

99% of Nobel Laureates in science have published in Elsevier journals since 2000.

More than 1 billion articles were downloaded by researchers in 2019.

>1b

2,500

We publish 2,500 digitized journals, including The Lancet and Cell.

Publishing 18% of global research output while garnering 26% of citation share

18%

>17m

More than 17 million monthly unique users visit ScienceDirect®.

About 25,000 academic and government institutions around the world use our products

25k

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Solutions Portfolio - ELSEVIER

Core Solutions

ScienceDirect
Scopus®
MENDELEY

Research Intelligence

Scopus®
SciVal
Pure

Engineering

Engineering Village™
Knovel®
Compendex
GEOFACETS™

Life Sciences

Reaxys®
Embase®
Pathway Studio®
pharmapendium®
MAKE INFORMED DRUG DEVELOPMENT DECISIONS

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ELSEVIER

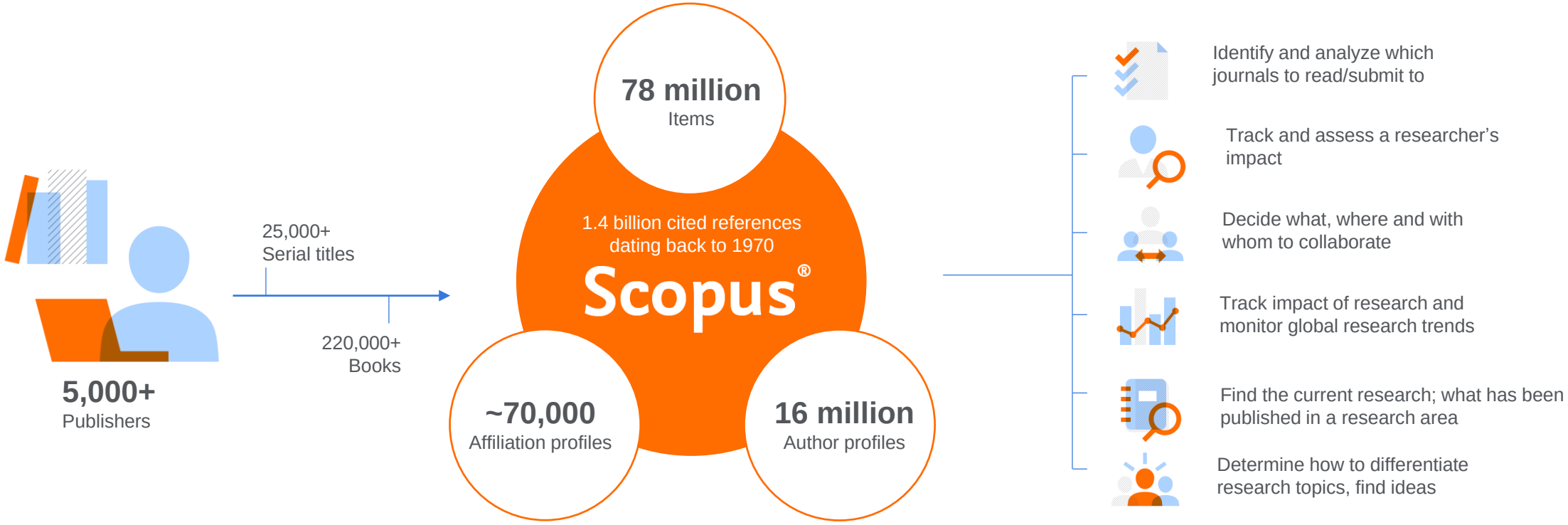
FARIDEA

Research Intelligence

Scopus®

Scopus delivers a comprehensive view on the world of research

Scopus is a source-neutral abstract and citation database curated by independent subject matter experts.



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Scopus is the gold standard:

Evaluation, ranking, reporting, landscape analysis and other strategic efforts

The World Bank

New Jersey Economic Development Authority

National Science Foundation

Reach NC

MD Anderson

CAPES Brazil

UK BIS

Queen's University Belfast

STINT

Université Paris Saclay

Russian Foundation for Basic Research

Ural Federal University

ISTIC

IISER

TCI-Thailand

Peking University

NRF-Korea

Keio University

Nanyang Technologica University

European Commission & ERC

FCT Portugal

Danish BFI

Italy ANVUR

Germany IFQ

Kiel University

Nigerian Government

Gazi University

Rankings organizations

Global representation means global discovery

Across all subjects and content types

Number of journals by subject area

- Physical sciences 13,312
- Health sciences 14,448
- Social sciences 12,464
- Life sciences 7,295

Journals

25,300
Peer-reviewed journals

294
Trade journals

5,527
Active gold open access journals

>8,000
Articles in press

Full metadata, abstracts and cited references

Conference

101K
Conference events

9.8M
Conference papers

Mainly Engineering, maths, physics and computer sciences

Books

852
Book series

40K
Volumes

1.8M
Items

220,000+
Stand-alone books

Mainly social sciences and arts & humanities

Scopus includes content from more than 5,000 publishers and 105 different countries

- 40 different languages covered
- Updated daily
- Multiple regional content types covered (journals, conferences, books, book series)
- 9.5M open access documents

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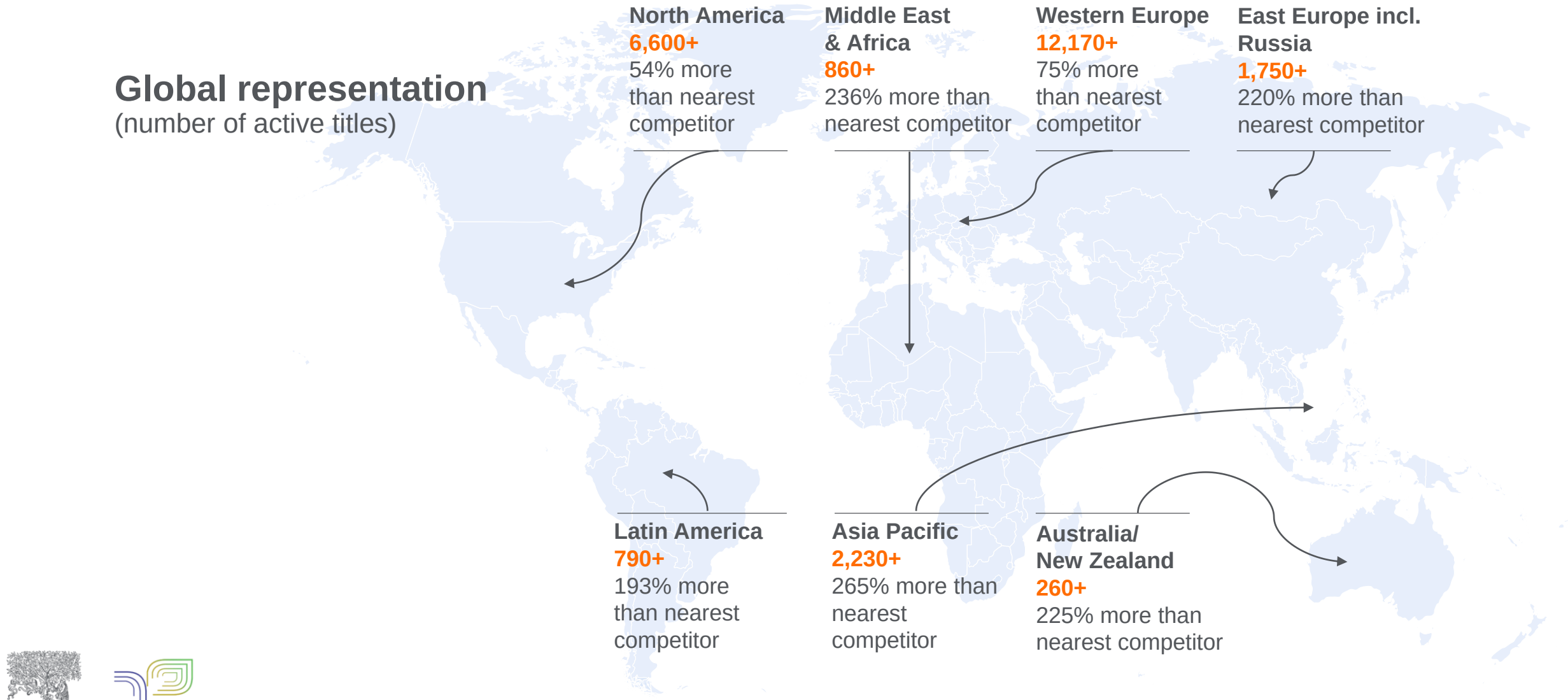
Global representation means global discovery

Across all subjects and content types

Global representation
(number of active titles)



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Selection Process & Criteria - Scopus®

Scopus content is selected via independent Content Selection & Advisory Board (CSAB)

The CSAB is an independent board of subject experts from all over the world.

Board members are chosen for their expertise in specific subject areas; many have (journal) Editor experience.

The CSAB is selective and strict on quality: in total 5,411 titles reviewed (2011 –2015) of which 2,587 (48%) accepted for Scopus

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Selection Process & Criteria - Scopus®

The CSAB is selective and strict on quality: in total 5,411 **titles reviewed** (2011 –2015) of which 2,587 (**48%**) **accepted** for Scopus

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

- Peer-reviewed
- English abstracts
- Regular publication
- Roman script references
- Pub. Ethics statement

Journal policy

- Convincing editorial concept/policy
- Type of peer-review
- Diversity geographic distribution of editors
- Diversity geographic distribution of authors

Quality of Content

- Academic contribution to the field
- Clarity of abstracts
- Quality and conformity with stated aims & scope
- Readability of articles

Journal standing

- Citedness of journal articles in Scopus
- Editor standing

Regularity

- No delay in publication schedule

Online Availability

- Content available online
- English-language journal home page
- Quality of home page

Eligible titles are reviewed by the CSAB according to a **combination of 14 quantitative and qualitative selection criteria**:

Selection Process & Criteria - Scopus®

Transparent, annual re-evaluation process to ensure titles continue to meet high quality standards

Full Scopus Journal base			
Year 1	Analyze full Scopus journal corpus performance based on set metrics & benchmarks		
	Flag underperforming journals & inform journal publishers		
Year 2	Analyze full Scopus journal corpus performance based on set metrics & benchmarks		
	Flag underperforming journals & inform journal publishers		
CSAB review	**If a journal underperforms for 2 consecutive years, CSAB will re-evaluate the title based on Scopus selection criteria**		
	Flagged journals for which concerns are raised, CSAB will re-evaluate the title based on Scopus selection criteria		
CSAB decision	Continue forward flow	or	Discontinue forward flow

Learn more on this topic via the Scopus blog: http://blog.scopus.com/posts/scopus-launches-annual-journal-re-evaluation-process-to-maintain-content-quality
or Elsevier.com: http://www.elsevier.com/solutions/scopus/content/content-policy-and-selection#title_re-evaluation

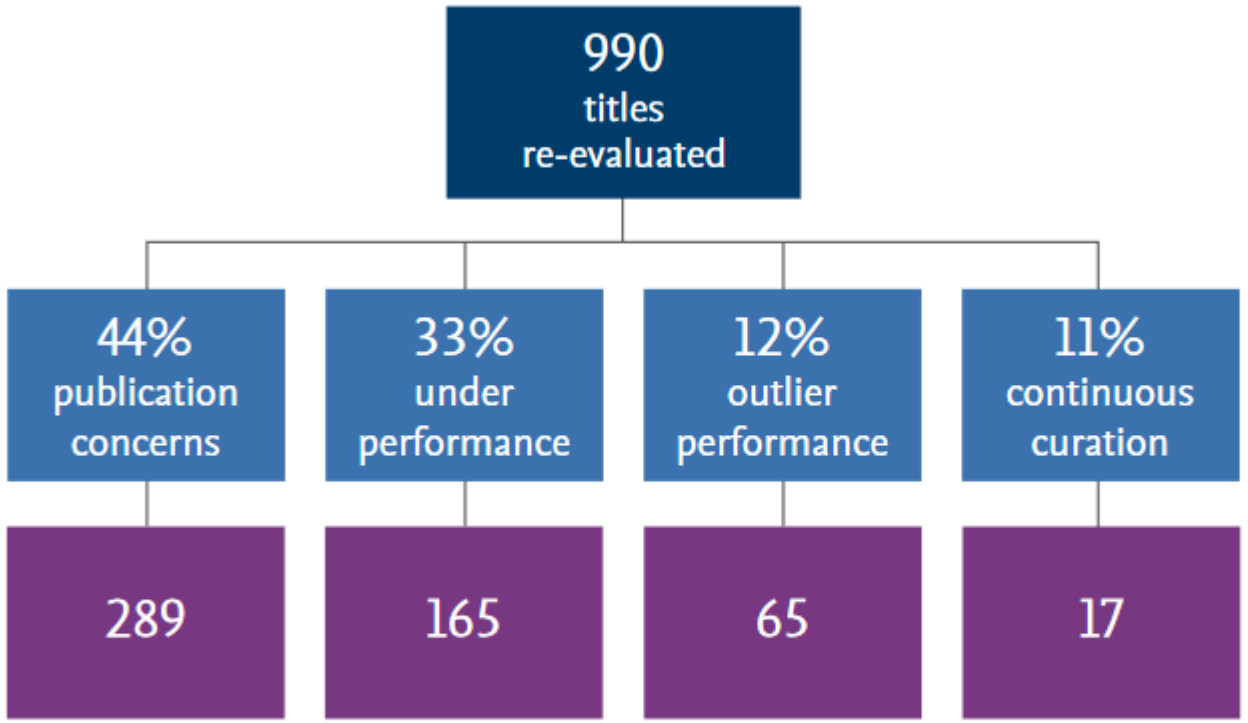
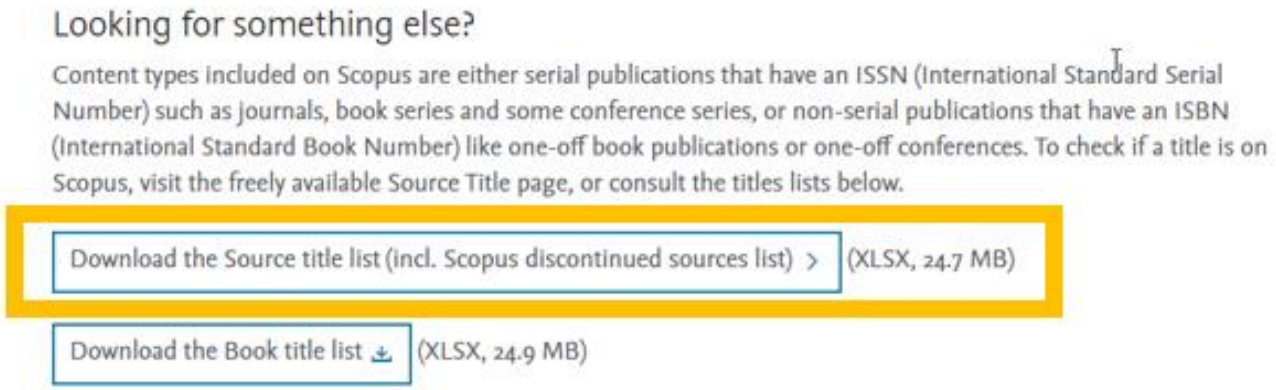


Figure 1: *Overall re-evaluation outcomes broken down by the reason of identification (2016–2020).* ■ Discontinued

New “Accepted Titles” list: get early insights into new Scopus content

The new monthly “Accepted Titles” list can now be found on the Scopus Content webpage. If you scroll to the bottom of the page, you will find the button highlighted in the image below.



Research Metrics

- Journal metrics (e.g. CiteScore, SNIP, SJR)
- Article-level metrics (e.g. Field-Weight Citation Impact)
- Author metrics (e.g. h-index)

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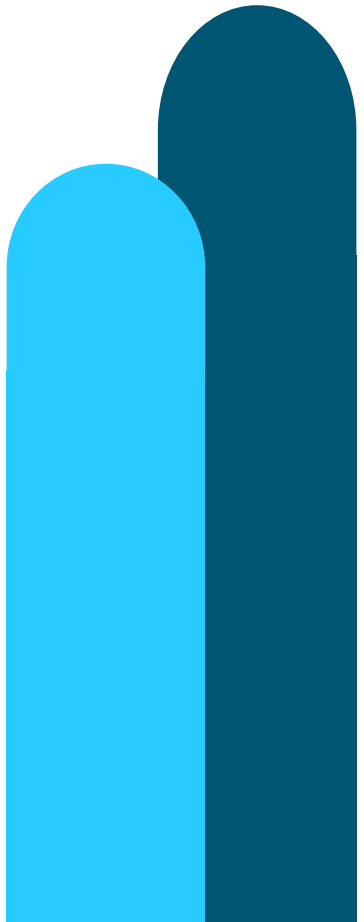
Metrics in Scopus®

When used correctly, research metrics together with qualitative input give a balanced, multi-dimensional view for decision-making.



Golden Rule # 1

Always use both **qualitative and quantitative input** into your decisions

Golden Rule # 2

Always use **more than one research metric** as the quantitative input

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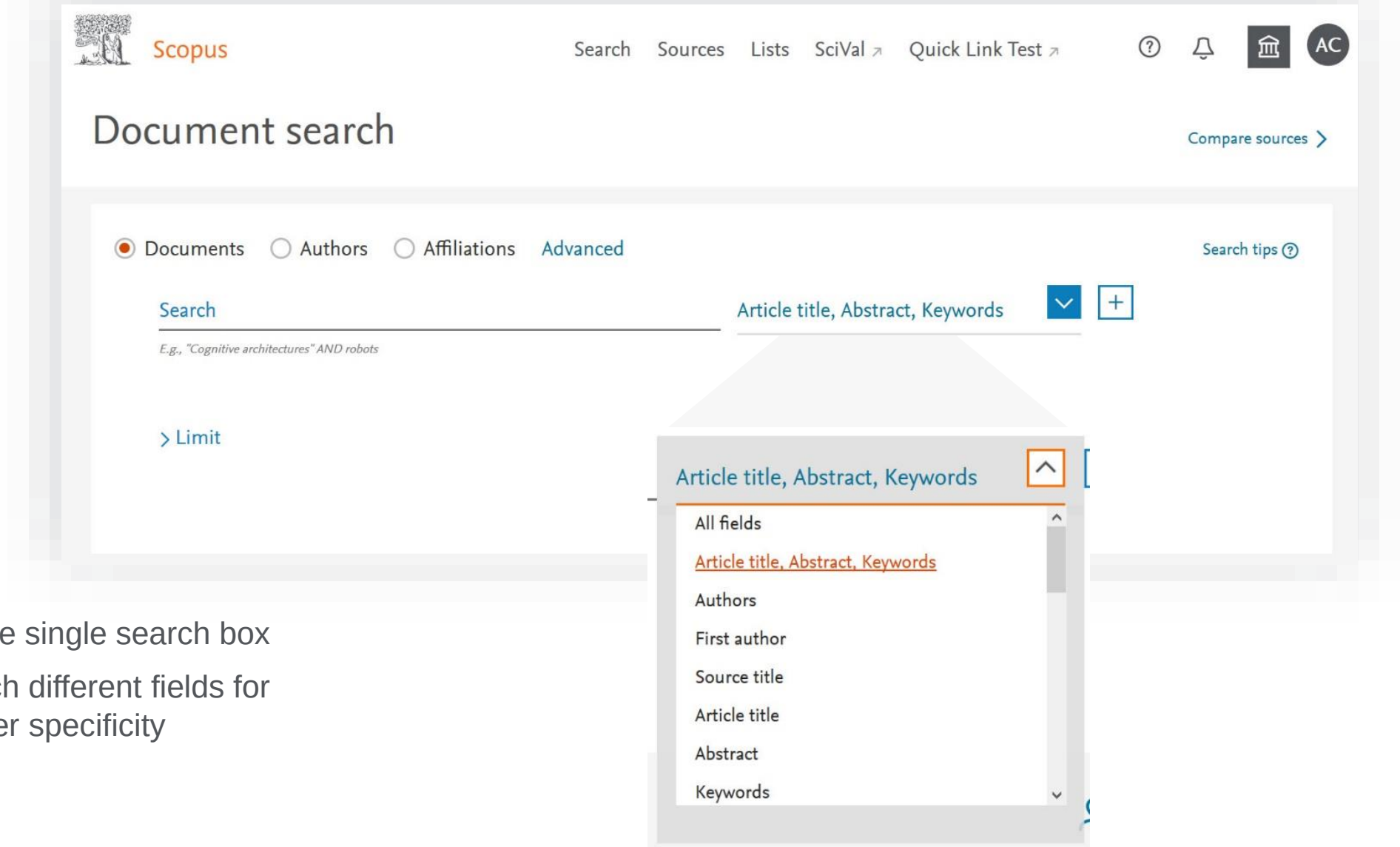
Key ways to use Scopus

Scopus benefits users by enabling them to:

1. Search documents and author profiles with ease
2. Effectively analyse search results
3. Export relevant reference material

Search for documents and author profiles with ease



- Simple single search box
- Search different fields for greater specificity

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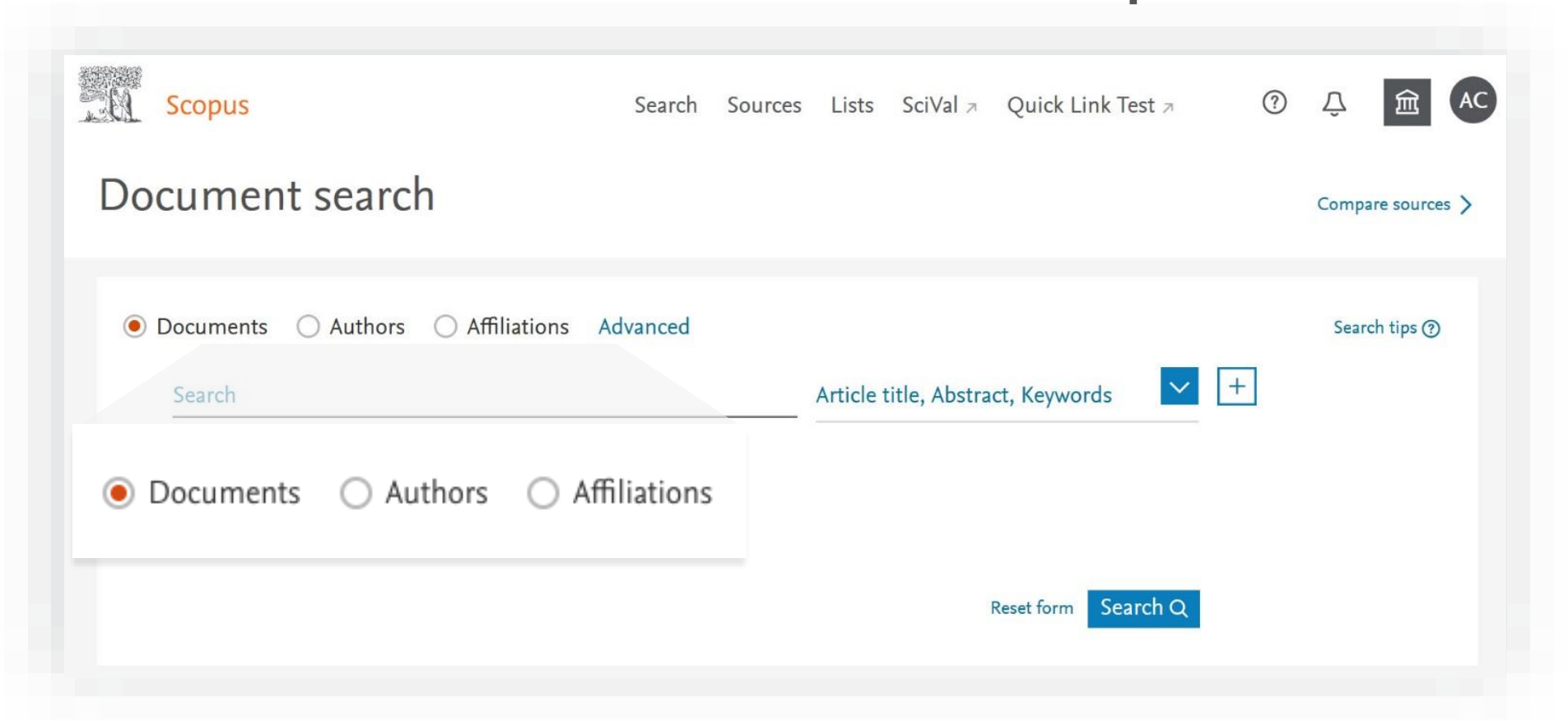
Search for documents and author profiles with ease



- Search Documents, Authors, and Affiliations

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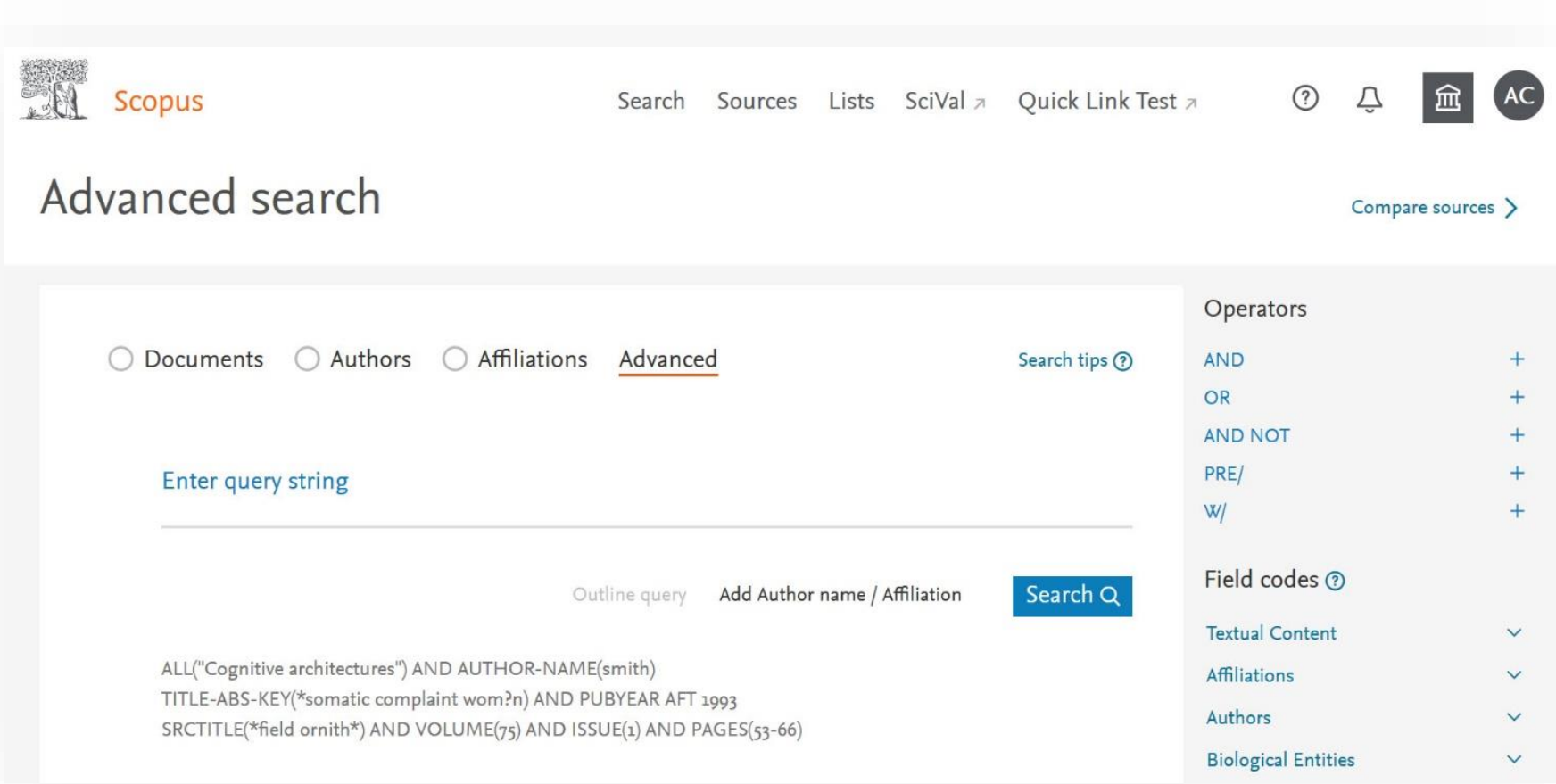
Search for documents and author profiles with ease

- Build advanced queries
- Built-in tips and guidance on query building



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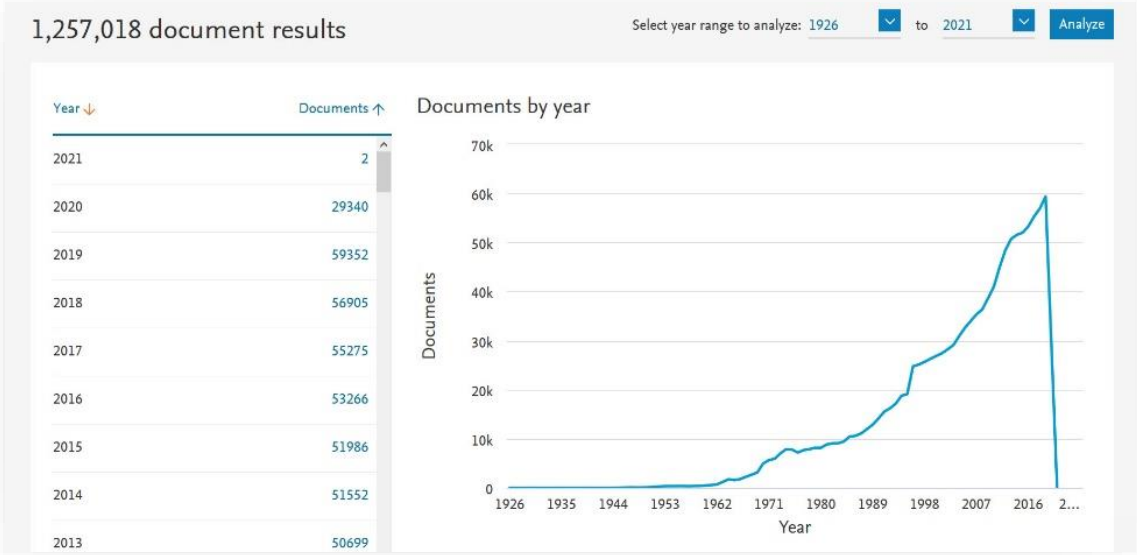
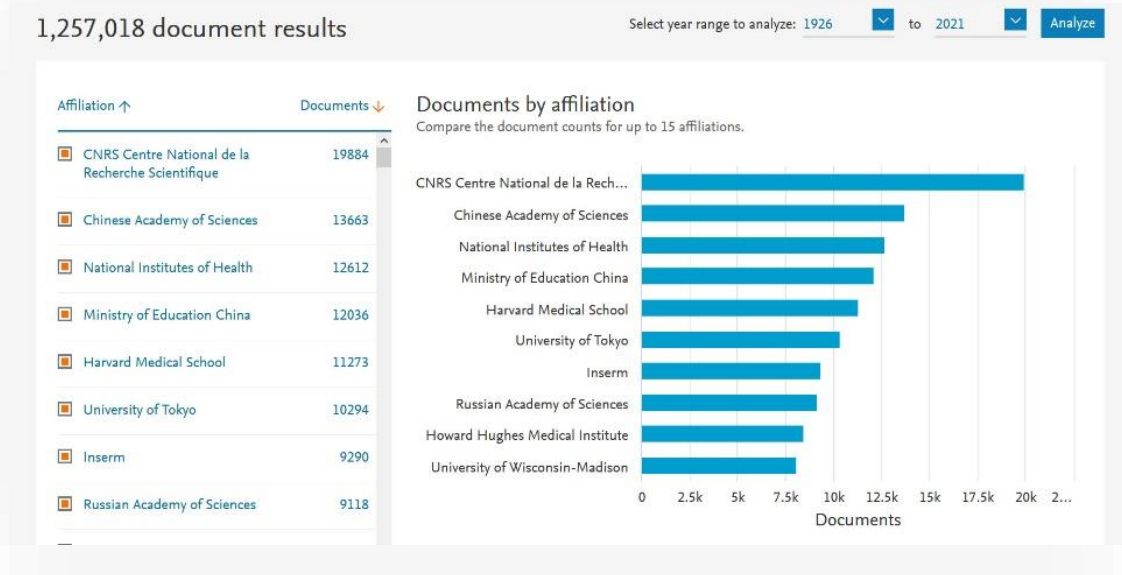
Analyze your results





- View trends over time by article count, author, affiliation, source, and more
- Built-in tips and guidance on query building

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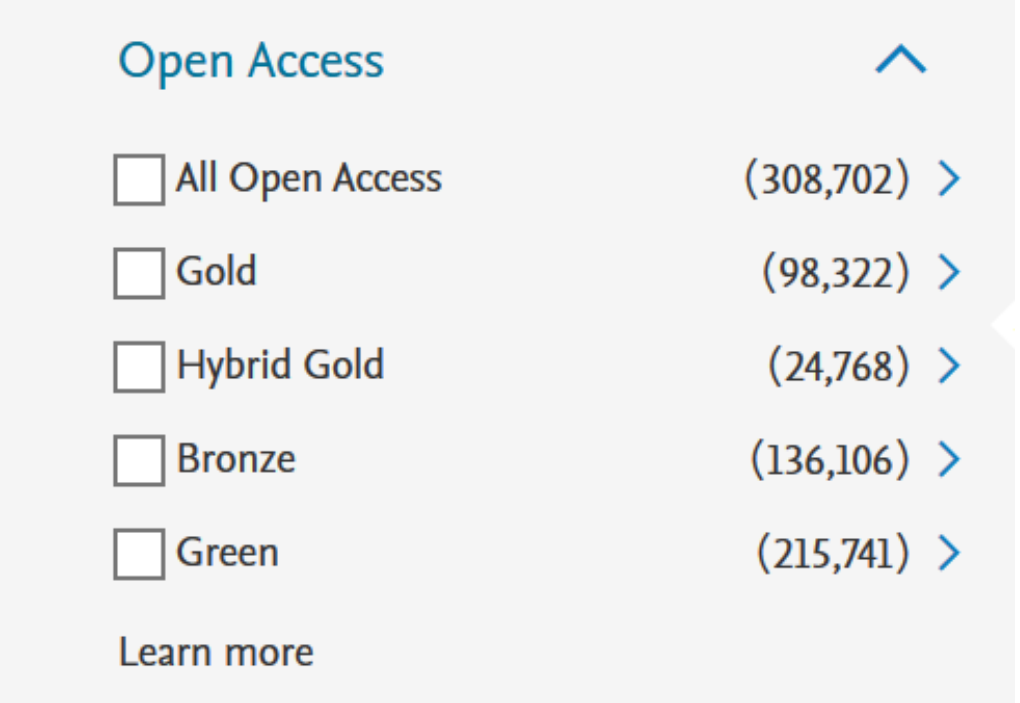
New Open Access filters in Scopus

- **December 2020 brings a major update to the current Open Access filter in Scopus**
- **Additional OA filters will provide more granularity in the Scopus Open Access coverage**



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Advanced Search queries with OA filter

You can search Gold Open Access articles only and add a Boolean operator to search for other field codes like ABS or TITLE-ABS-KEY():

- Entering (OA(publisherfullgold) OR OA(publisherhybridgold)) AND TITLE-ABS-KEY(heart) returns documents with *Heart* that are Gold Open Access only

- Entering TITLE-ABS-KEY(heart) AND NOT OA(ALL) returns documents with *Heart* that exclude Open Access documents

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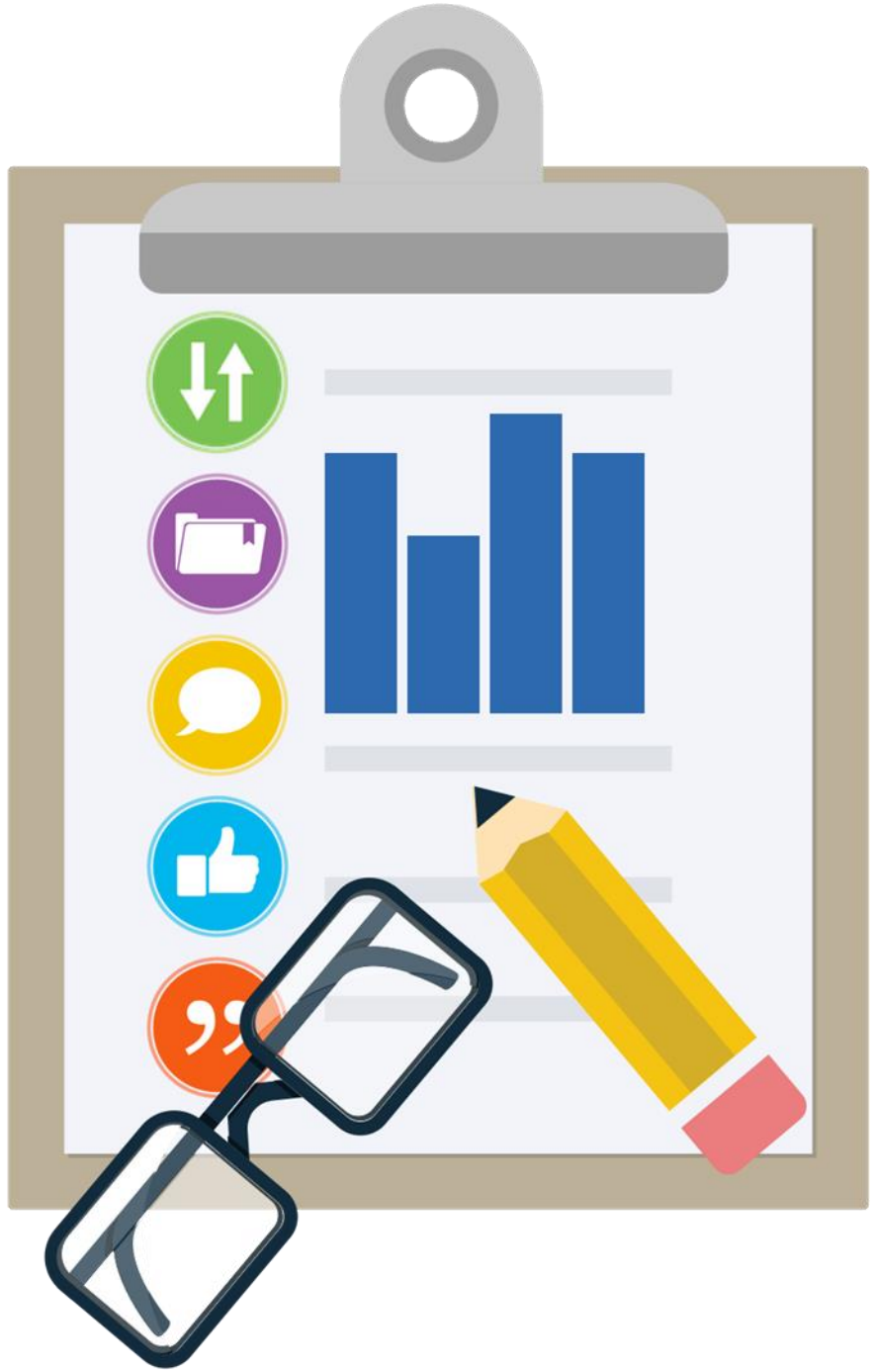
PLUMX

- PlumX Metrics provide insights into the ways people interact with individual pieces of research output (articles, conference proceedings, book chapters, and many more) in the online environment.

- PlumX gathers and brings together appropriate research metrics for all types of scholarly research output



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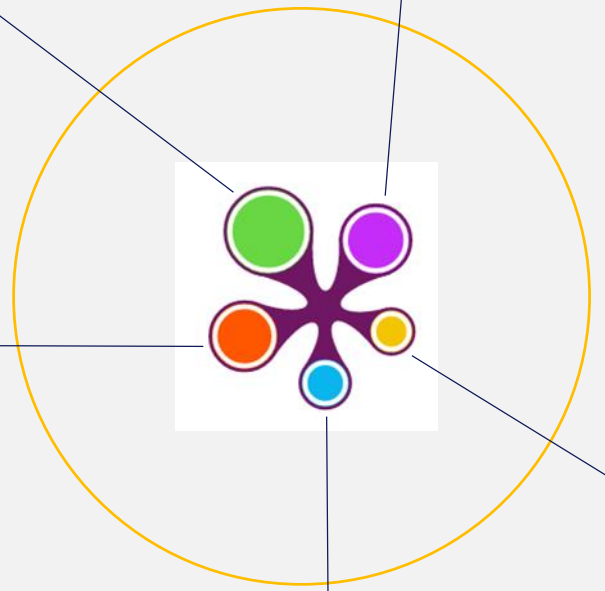
Includes 5 categories of metrics

Usage: clicks, views, downloads, library holdings, video plays

Captures: bookmarks, favorites, reference manager saves



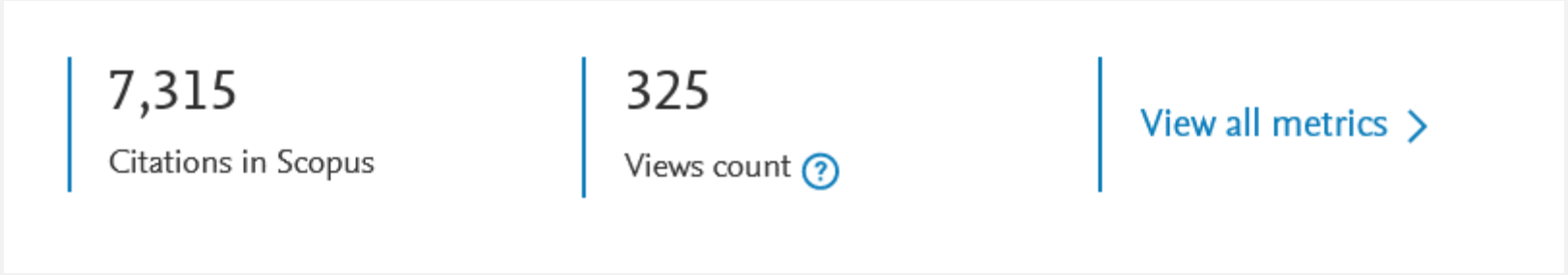
Citations: citation indexes, patent citations, clinical citations, policy citacions

Mentions: blog posts, news mentions, comments, reviews, Wikipedia mentions

Social media: tweets, likes, shares

What's new on the Document details page?

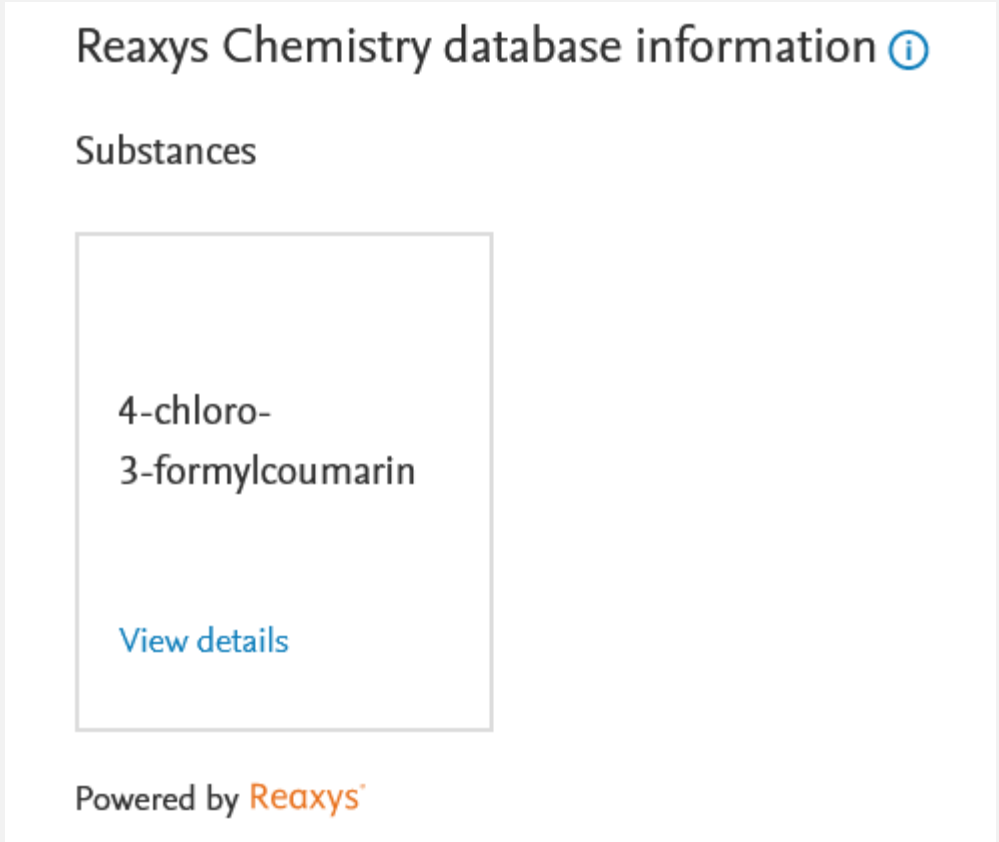
The revamped metrics section, including the new metric, Views Count

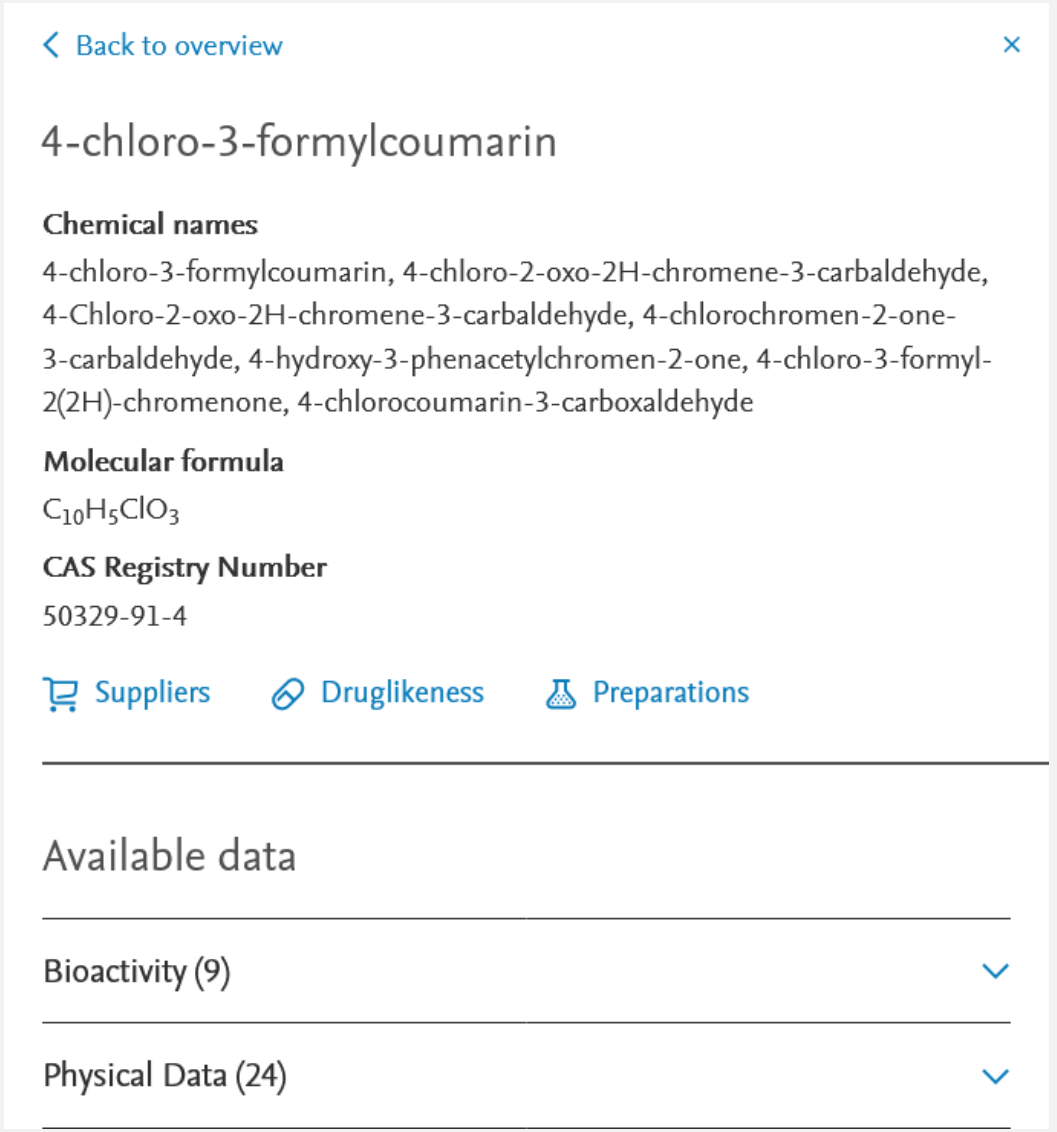


What's new on the Document details page?

The new Scopus Author Profile flyout

What's new on the Document details page? Reaxys integration enhancement



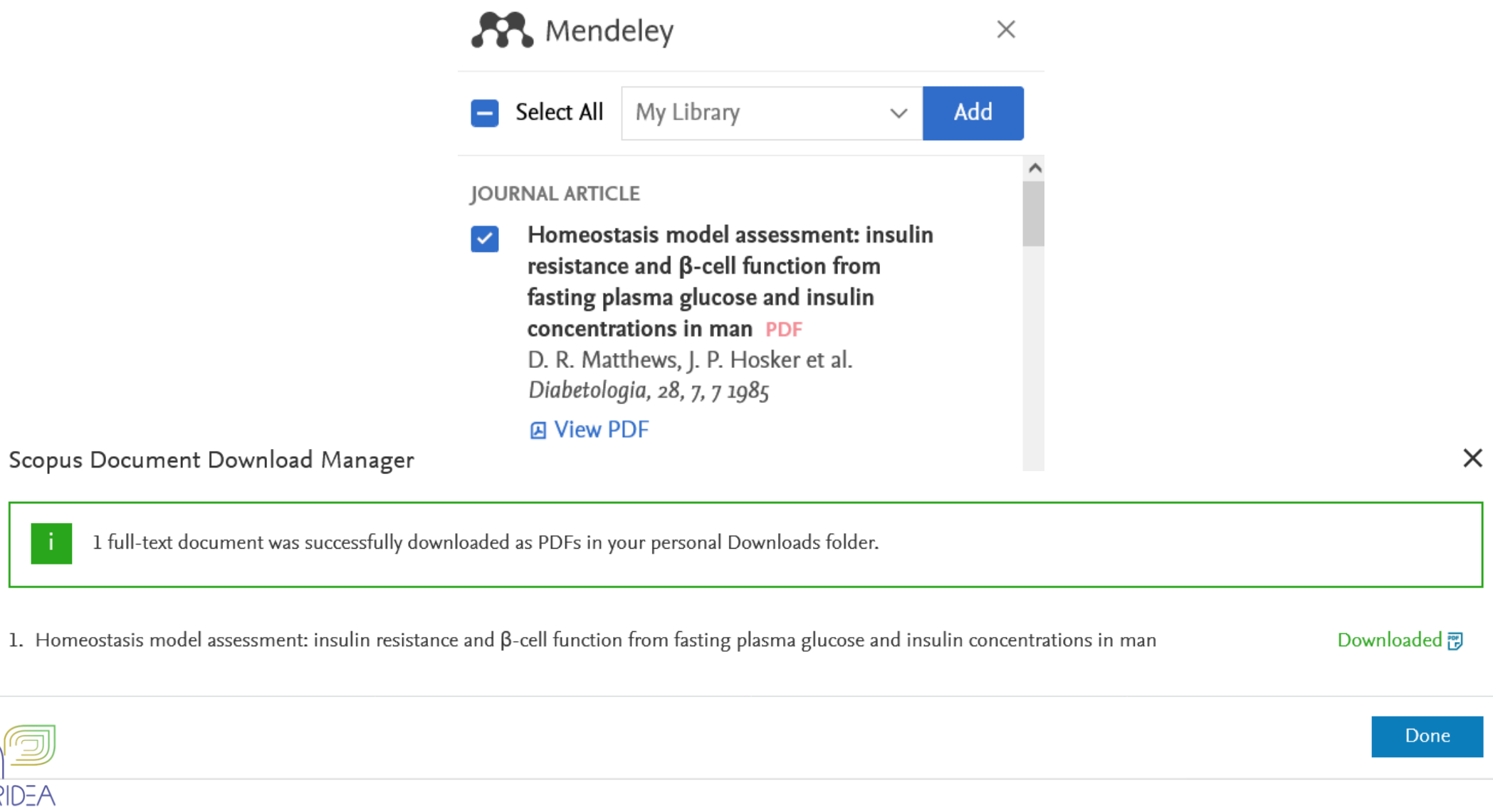


https://www.scopus.com/record/display.uri?origin=citedby&eid=2-s2.0-85113177022&noHighlight=false&sort=plf-f&src=s&sid=84f20a8b8a1b9402705d3d848a0f94c1&sot=b&sdt=b&sl=22&s=CHEMNAME%28benzaldehyde%29&relpos=0

Improvements to funding data in Scopus

Funding sponsor	Funding number	Acronym
NIH Office of the Director	DP2AI144244	OD
See opportunities by OD ↗		
National Institute of Allergy and Infectious Diseases		NIAID
See opportunities by NIAID ↗		

Scopus to partner with Mendeley Web Importer for full-text document download



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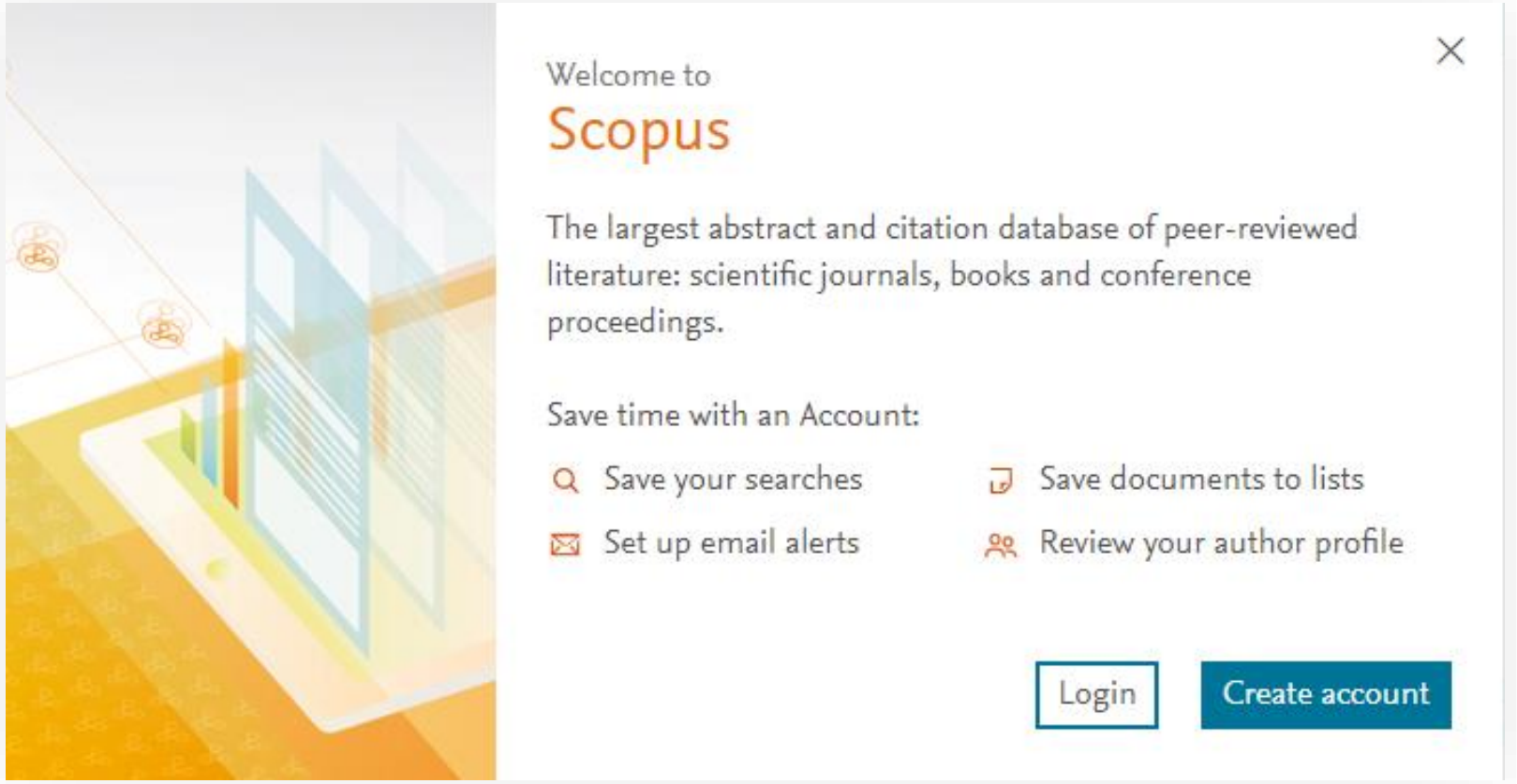
Unlock greater functionality with your own account

- Get the research delivered to you with email alerts
- Save searches and document lists
- Review and update your author profile with ease



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Scopus benefits your research at every stage

Effective multi-disciplinary discovery and opportunity finding	• The Global View: discovery and tracking of scientific developments across disciplines & the world. • Accelerate research process, avoids duplication of research efforts. • Find new funding opportunities. • Develop new processes and solutions faster, securing new patents.
Efficient research and publication process	• Speed up publication process, find the best journals using journal metrics and journal analysis tools.
Effective research assessment, improved output and ranking	• Identify researchers and institutes for potential collaboration and track their work/output.
Find the best collaborators	• Monitoring and measuring research impact. • Effectively analyze research from peer researchers. • Improve publication output and *h*-index.
Better career development	• Manage career, track citations, find job opportunities, find collaborators, secure funding, find the best journals to publish in.

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Built to address your needs

Scopus supports your goals across your career, wherever that may take you

Researcher (post-doc)

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

Researcher (senior)

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

Corporate researcher

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

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Scopus author profiles

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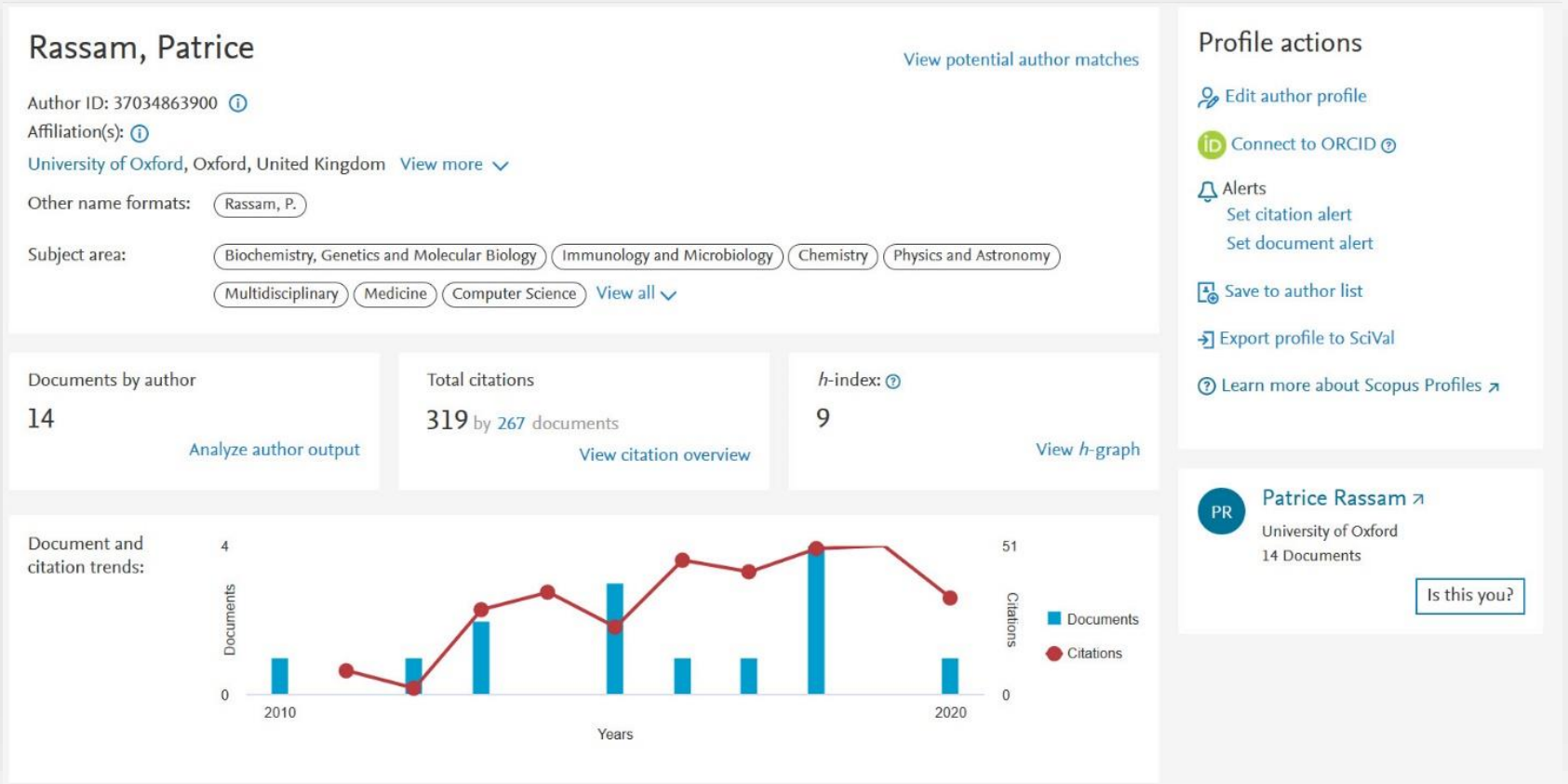
Scopus author profiles

Author profiles deliver key details on author output, metrics, and identification

- Identifiers; Affiliation, Author IDs, ORCID, and alternate names
- Output: subject area coverage; output over time; citations
- Metrics: *h*-index; citations, and more



Scopus: the premier source of profiles

The Scopus data model

The data that goes into **Scopus** follows the model that **articles** are written by **authors** who are affiliated with **institutions**.

This relational data model means that Scopus can tell you who is researching what is global literature and where they are doing it with higher accuracy than anyone else.

***Scopus** is the only database that implements algorithmic & systematic author disambiguation.*

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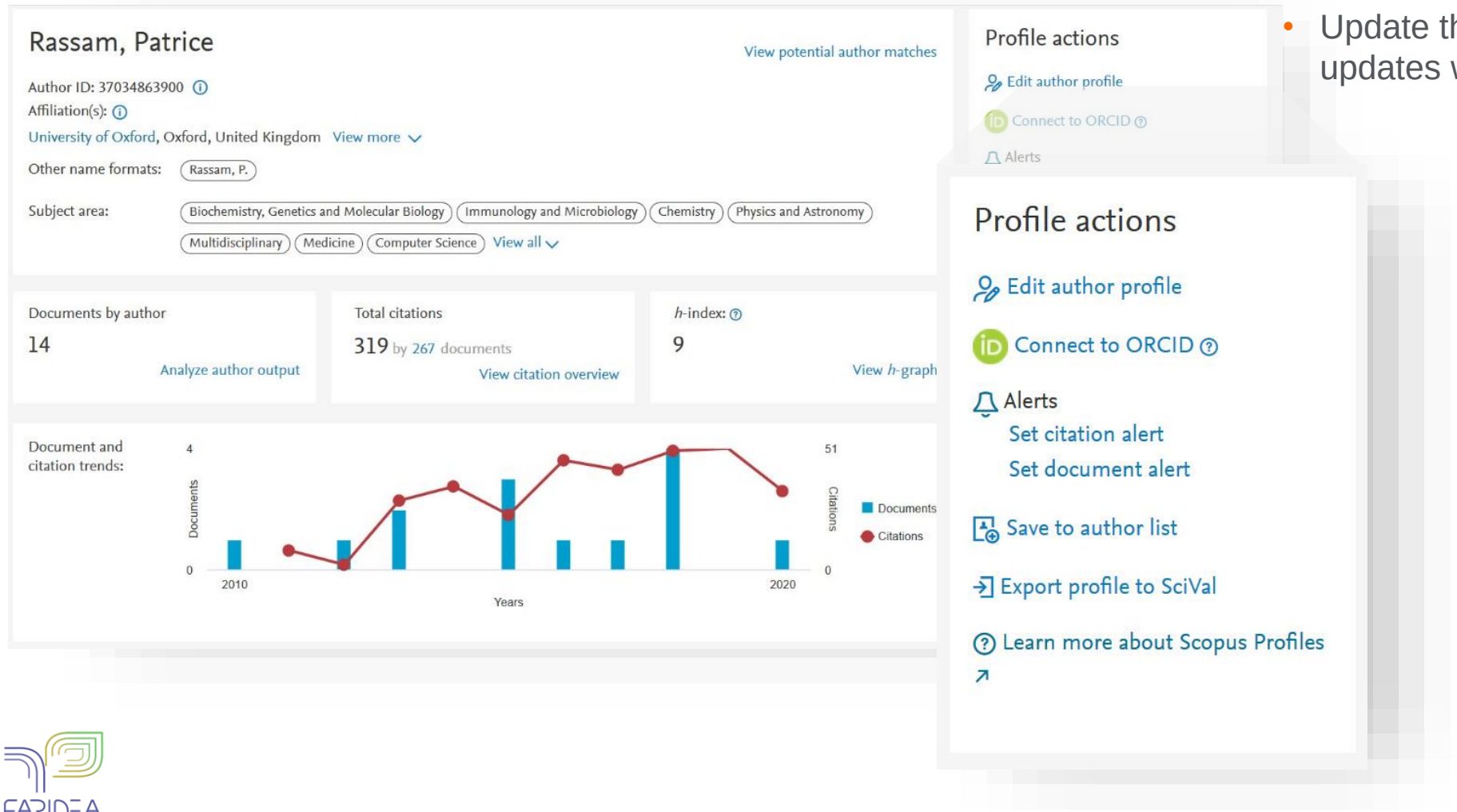
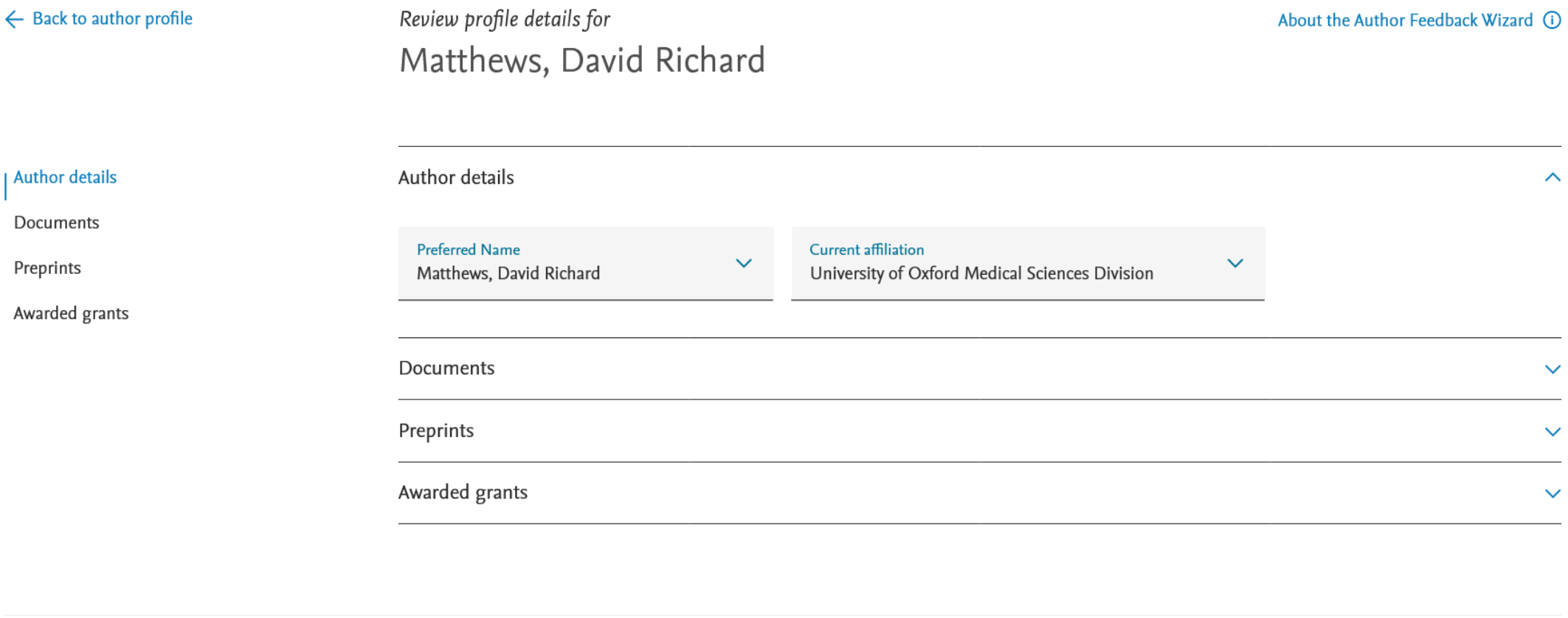
You can make corrections directly from an author profile



- Update the profile or suggest updates within a given profile

New Author Feedback Wizard (AFW) improvements

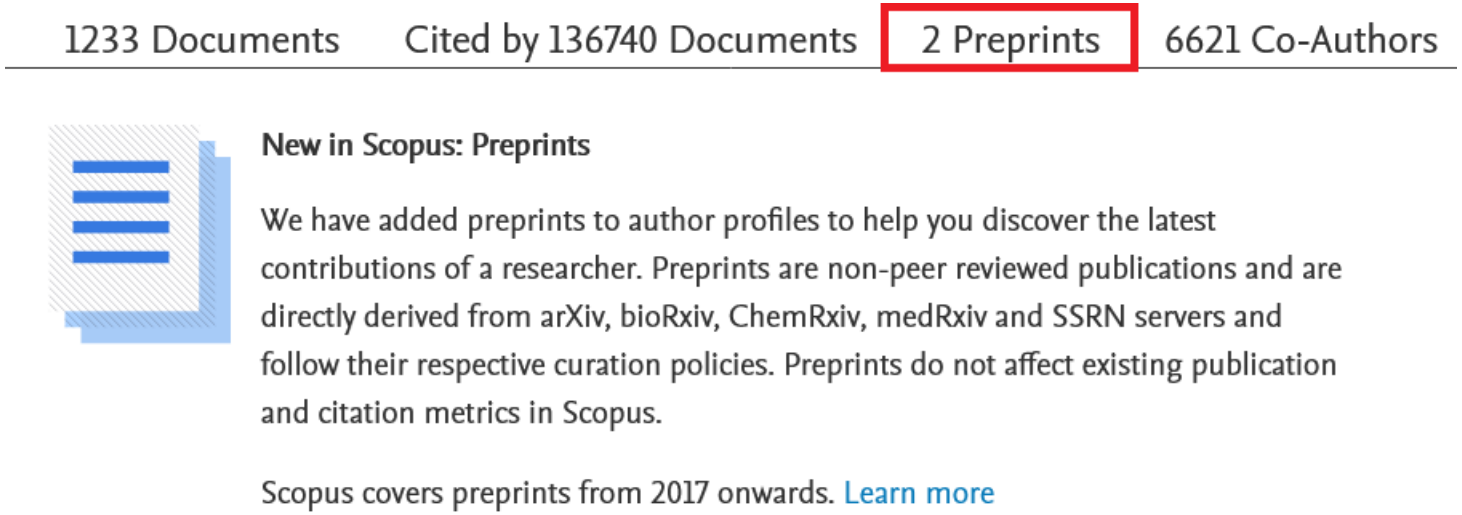


Each metric provides a complementary measure of performance

	Measures	Validation in Scopus?	Size-normalized?	Subject field-normalized?	Communicates magnitude?	Update frequency
CiteScore	Citations per document	Yes	Yes	No	Yes	Annually, and monthly for CiteScore Tracker metrics
CiteScore Percentile	Relative position within subject field based on CiteScore	Yes	Yes	Yes	No	
Citation Count	Raw impact of a journal on the research community	Yes	No	No	Yes	
Document Count	Raw scale of a title within the research community	Yes	No	No	Yes	
% cited	Consistency with which a title's contents are reliably cited	Yes	Yes	No	No	
SNIP	Relative citations per document	No	Yes	Yes	No	Annually
SJR	Prestige of citing sources	No	Yes	Yes	No	

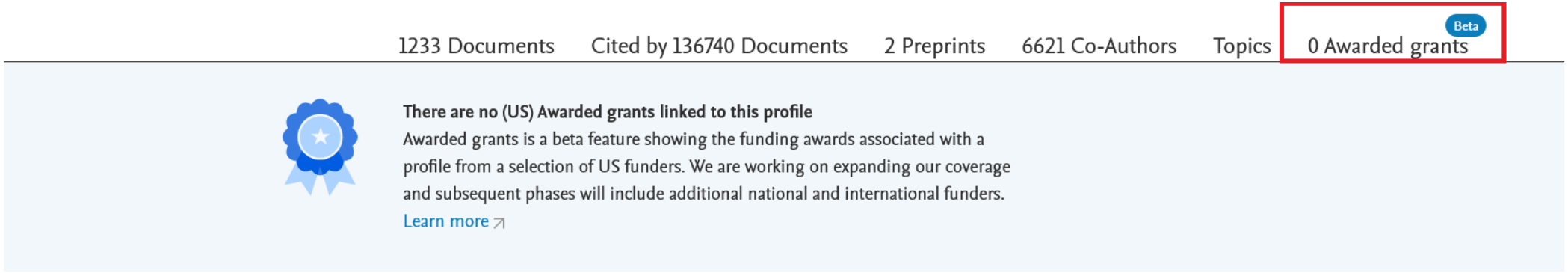
Preprints are now in Scopus!

- A preprint is a version of a scholarly paper that precedes publication in a peer-reviewed journal and act as an early indication of research.
- Scopus covers preprints from 2017 onwards.



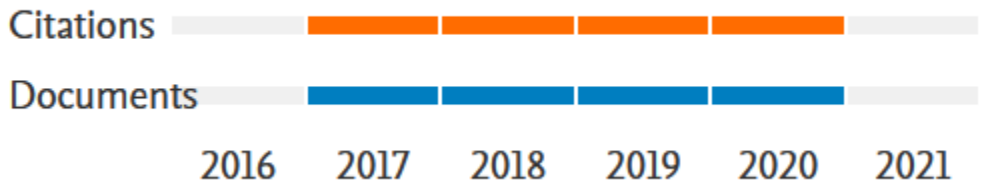
Awarded grants

- Awarded grants is a beta feature showing the funding awards associated with a profile from a selection of US funders.



CiteScore 2020 methodology

- The CiteScore calculation (numerator and denominator) consists of the following publication types: articles, reviews, conference papers, data papers and book chapters.



What lies behind the averages and significance of citation indicators in different disciplines?

Bárbara S. Lancho-Barrantes, Vicente P. Guerrero-Bote, Félix Moya-Anegón

First Published April 13, 2010 | Research Article
https://doi.org/10.1177/0165551510366077

Article information

Altmetric 14

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CiteScore metrics are comprised of eight metrics

CiteScore
An annual value that measures the citation impact of a title (i.e., journal, book series, conference proceeding and trade journal; including special issues).

CiteScore Tracker
A monthly value that allows you to track a title's progress towards the next annual CiteScore value as a current indication of a title's performance

CiteScore Percentile
Indicates the relative standing of a title in its subject field, and also corrects for the different sizes of subject fields

CiteScore Quartiles
Bands of titles that have been grouped together because they occupy a similar position within their subject categories.

CiteScore metrics are comprised of eight metrics

CiteScore Rank
Indicates the absolute standing of a title in its field; for example, 14th out of 63 titles in a given category

Citation Count
The sum of citations received in 4 years by documents published in the 4 previous years (the numerator of the CiteScore calculation).

Document Count
The sum of documents published in the serial title in the previous 4 years (the denominator of the CiteScore calculation).

Percentage Cited
The proportion of the documents considered in the denominator of the CiteScore calculation that have received at least 1 citation in the numerator.

ScienceDirect

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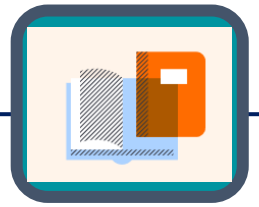
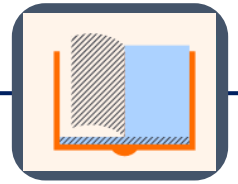
Elsevier's **leading information solution** for researchers, a **full-text** platform for **scientific, technical and medical** journals & books.



>18M articles and chapters

>2650 Peer reviewed journals



>30K ebooks

>362K topic pages

>1000 open access publications

>1.4M open access articles

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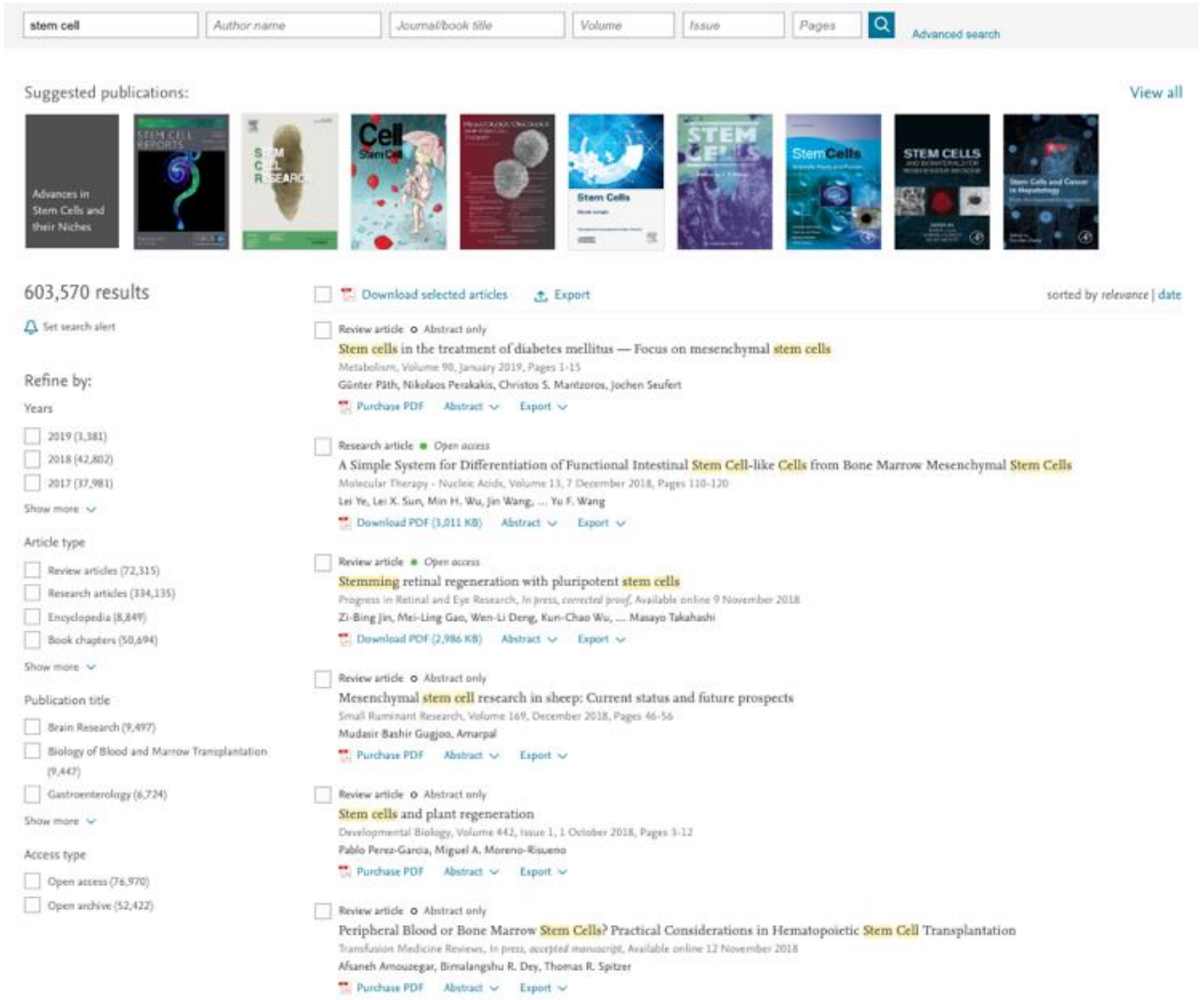
Search

And subsequently filter down the results



By Year

By Article Type

By Publication Type

By Access Type

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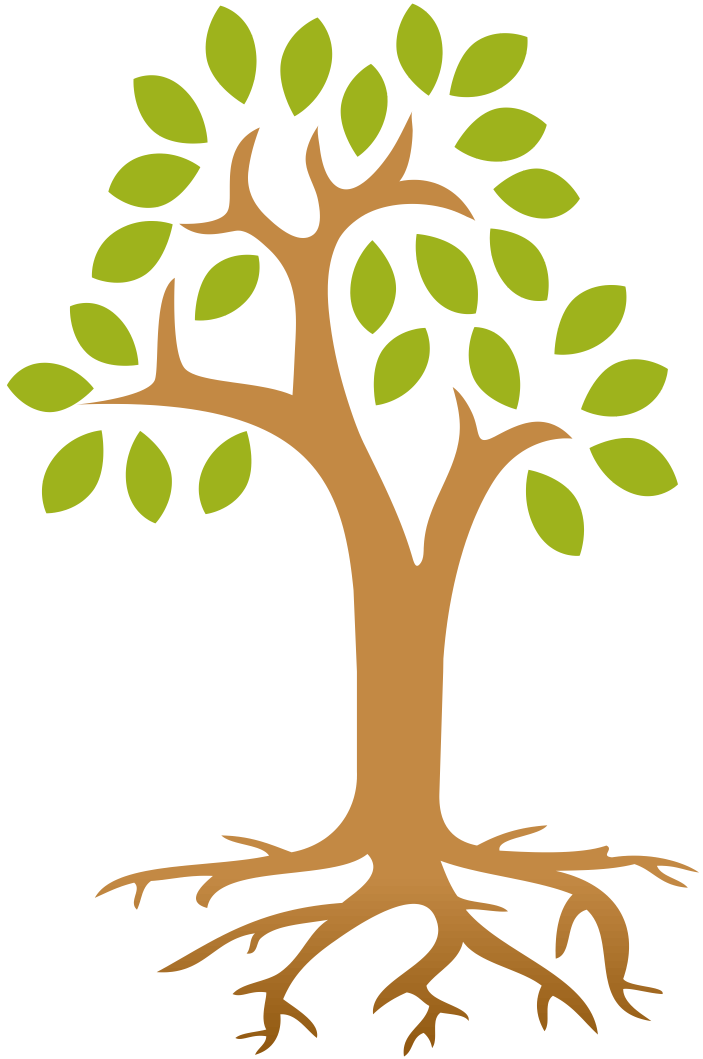
Content – Journals & Books on ScienceDirect

Books and journal articles provide different types of content, but they are fundamentally interlinked: **researchers/students need both to build their knowledge around a topic.**



JOURNAL

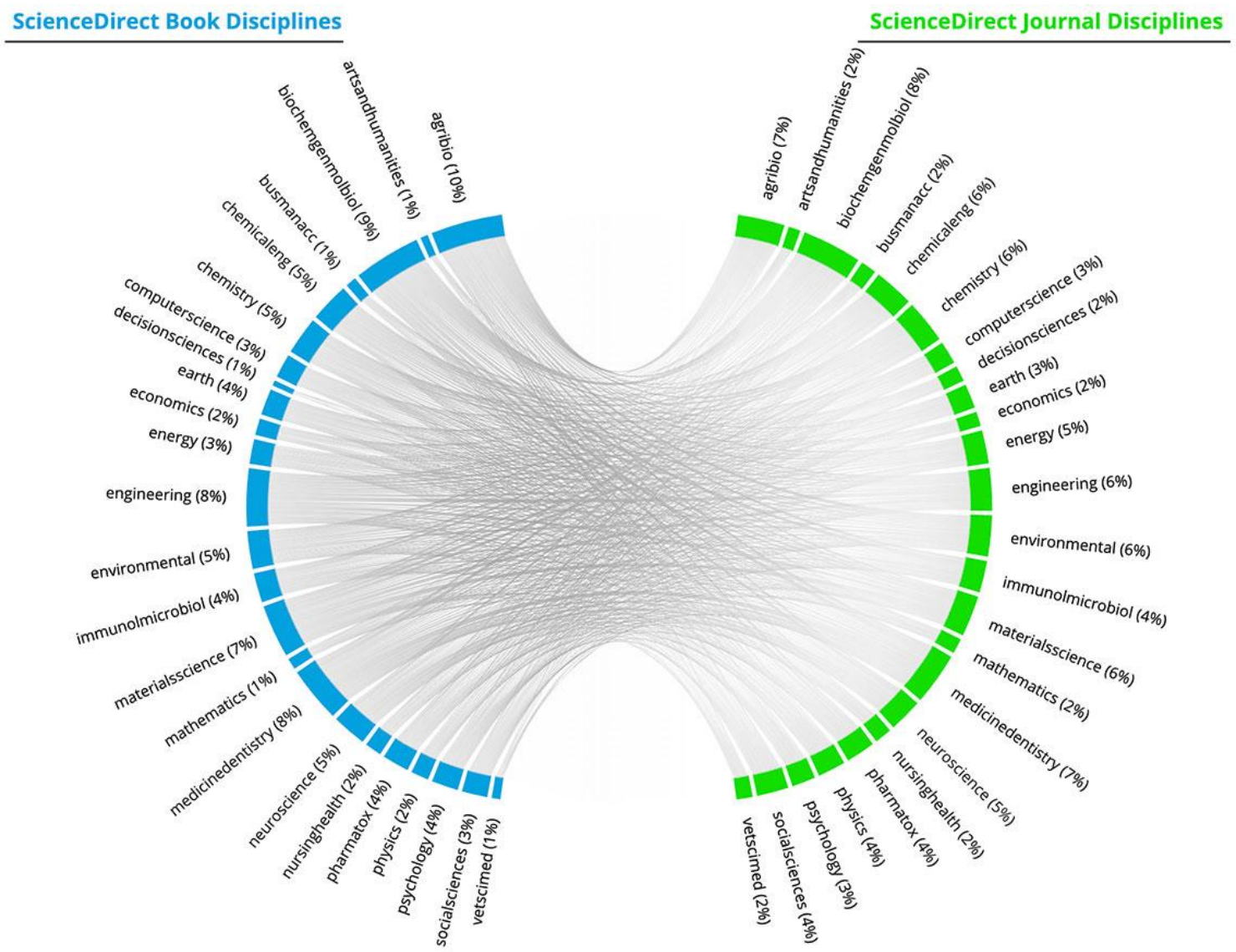
- Critical to feed yourself with journals to drive your research forward
- Depth in growing disciplines
- Enables you stay current and up-to-date in your research field.

BOOKS

- Essential and fundamental for research, provides an in-depth review of a theory or research
- Breadth connecting disciplines
- Retains value for years and often decades

ELSEVIER FARIDEA

Books and Journals are used together 500,000+ times per month on ScienceDirect.



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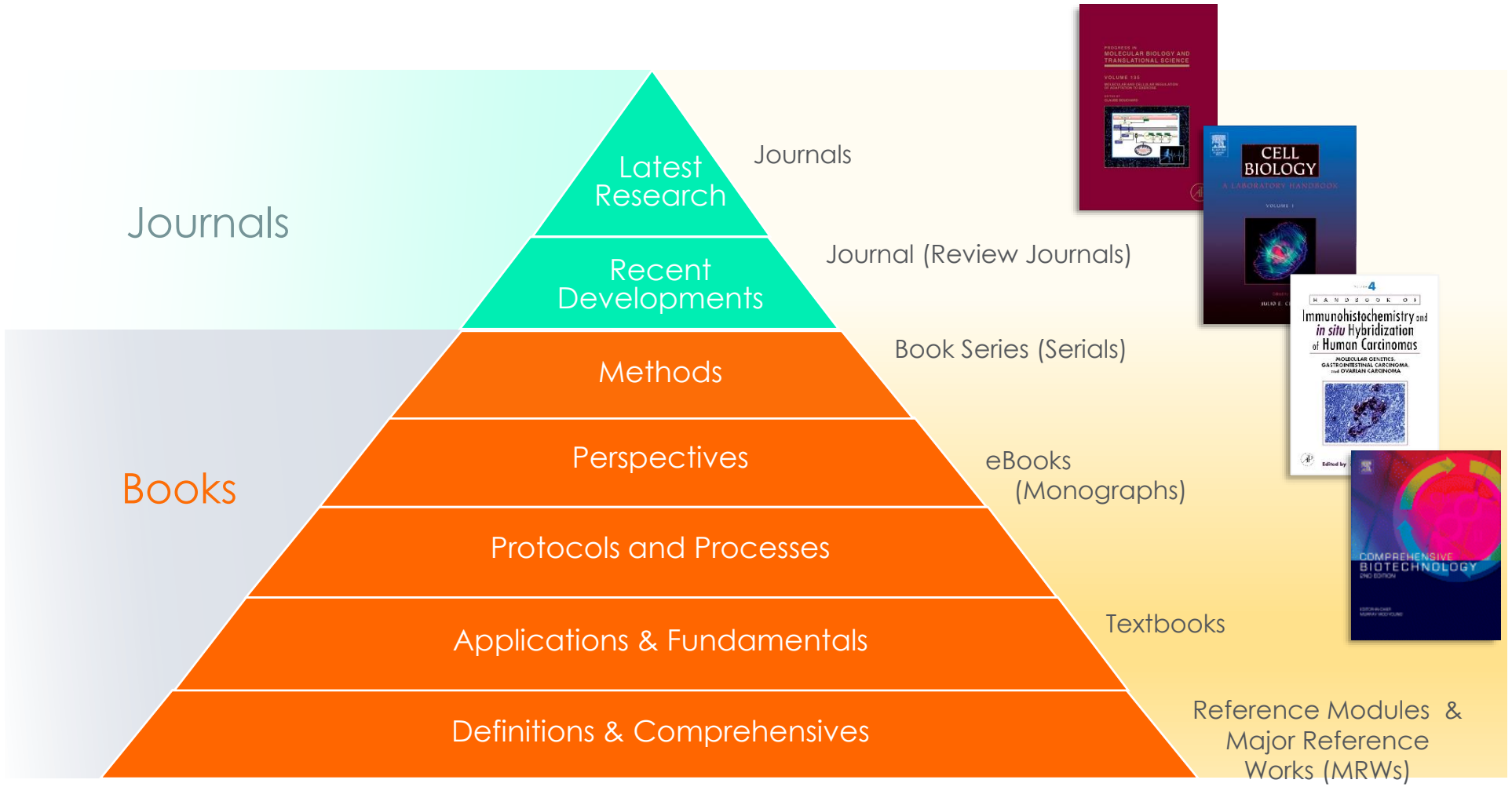
Elsevier Book and Journal Content is Complimentary to Help Researchers Solve Their Problems More Efficiently



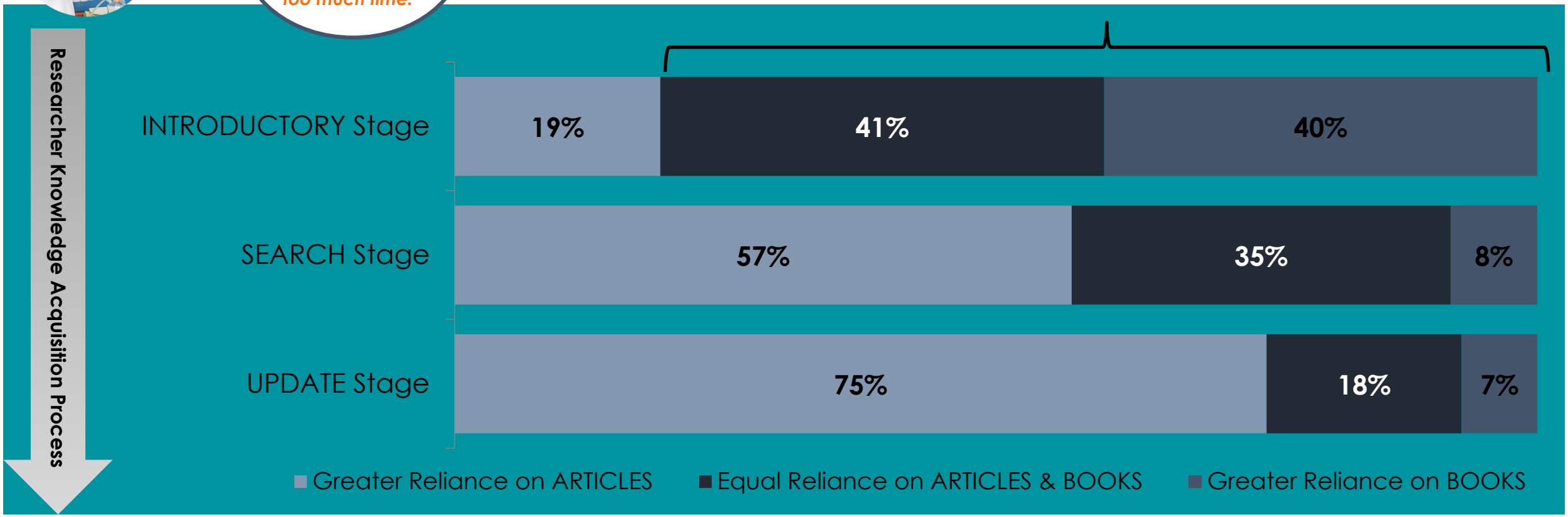
Books are the knowledge repository from which we learn.

Content – Journals & Books on ScienceDirect

Journals & Books are co-used throughout all Research Stages

"When I'm ***searching for a new topic*** or research area, ***journals are too narrow*** and ***take too much time.***"

81% *greater or equal reliance on BOOKS in introductory stage!*



Source: Martin Akel & Associates on the value of Books (451 researchers)

ScienceDirect Topics – Your Path to Discovery

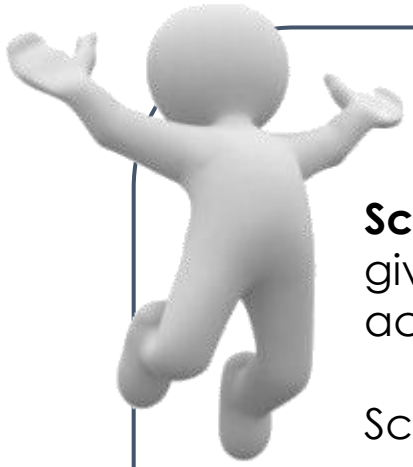
Providing the right content is only part of the story. Getting users to see and access that content is the rest. With ScienceDirect, content is more discoverable and useful than ever before.

RESEARCHER'S CHALLANGE

Let's say a researcher is faced with a new term or concept within the article.

Facing an overwhelming amount of information, researchers:

- *Lose time combing through resources*
- *Get frustrated with dead ends*
- *Become unsure of their next steps*



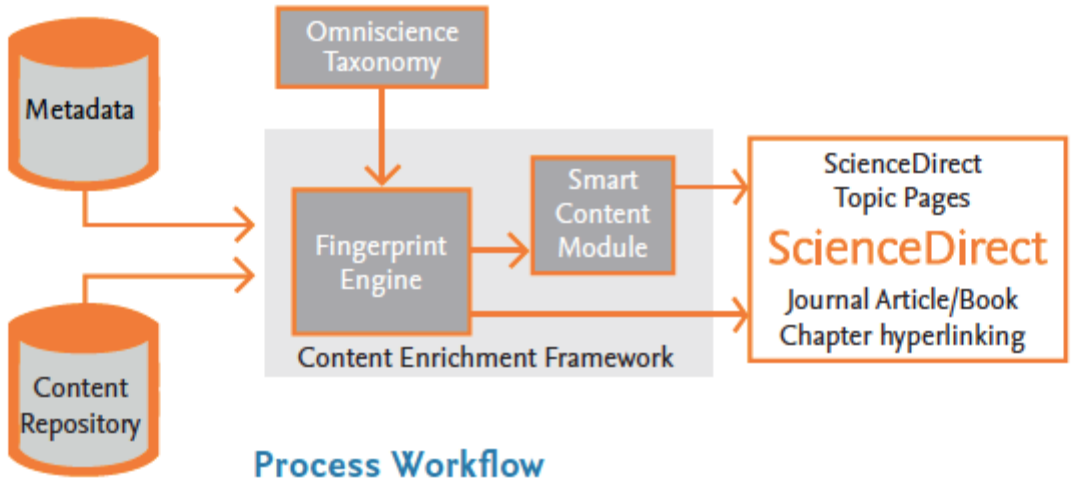
WHAT SCIENCE DIRECT OFFERS

ScienceDirect Topics : a platform that gives users a quick, clear path to accurate and relevant content.

ScienceDirect Topics;

- *Decreases time spent jumping across platforms, searching for and validating info*
- *Increases time spent progressing physical/ actual research*
- *Increases confidence in information reliability and likelihood of serendipitous connections made in research process*

SCIENCEDIRECT TOPICS PROCESS WORKFLOW



Process Workflow

1. **Content Repository** - To retrieve the content/XML
2. Metadata - For metadata and domain classification
3. **Omniscience Taxonomy** - Elsevier built, comprehensive all-science taxonomy
4. **Fingerprint Engine (FPE)** - Rule based annotation of content
5. **Smart Content Module (SCM)**
   - Definition Algorithm
   - Snippet Alorgithm

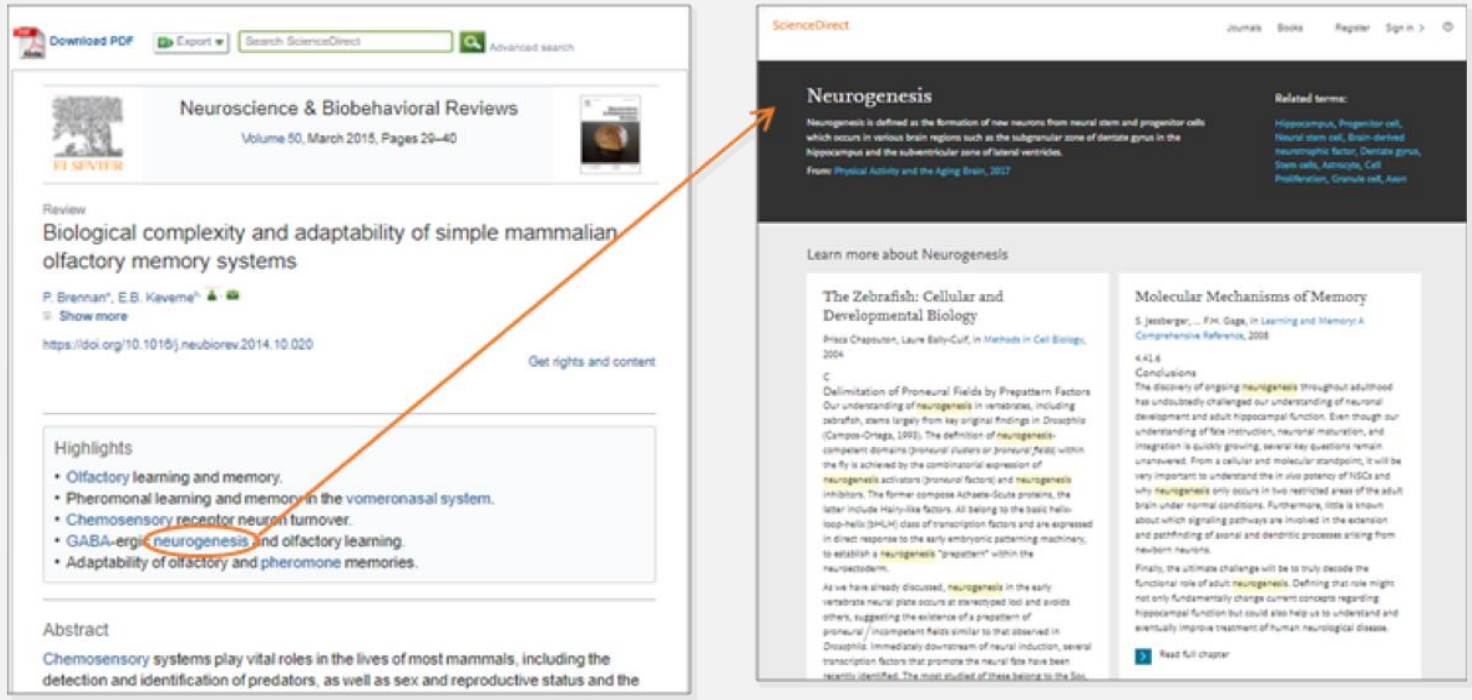
   Natural language processing and machine learning techniques for relevancy ranking
6. **ScienceDirect (SD)** - Deliver content definitions and snippets

Content Enrichment Framework (CEF)

ScienceDirect Topics – Your Path to Discovery

A feature that provides researchers with concept definitions and subject overviews to expand their knowledge of scholarly and technical terms

—simply hover a highlighted word to get foundation content for that term



http://www.sciencedirect.com/science/article/pii/S0169409X1730090X
http://romeo.elsevier.com/projects/sciencedirect/focon/tp/Biological-complexity.htm

19 million visits
on average per month

356,000+
topic pages in 20 disciplines

Hyperlinked from over
5 million journal articles

ELSEVIER FARIDEA

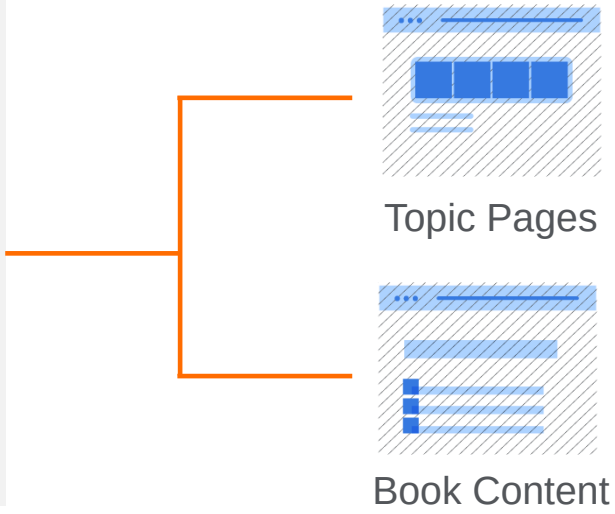
ScienceDirect Topics

ScienceDirect Topics uniquely applies cutting-edge technologies to content within the research workflow

Topic pages link narrow, specialized knowledge of journal content, which can be difficult to understand for researchers new to the specialized field, with both the quick overview of the journal content's topic and with the more general Book content.

Data Science Technologies

- Data-mining
- Taxonomy building
- Algorithmic information extraction
- Relevancy ranking
- Quality confirmation



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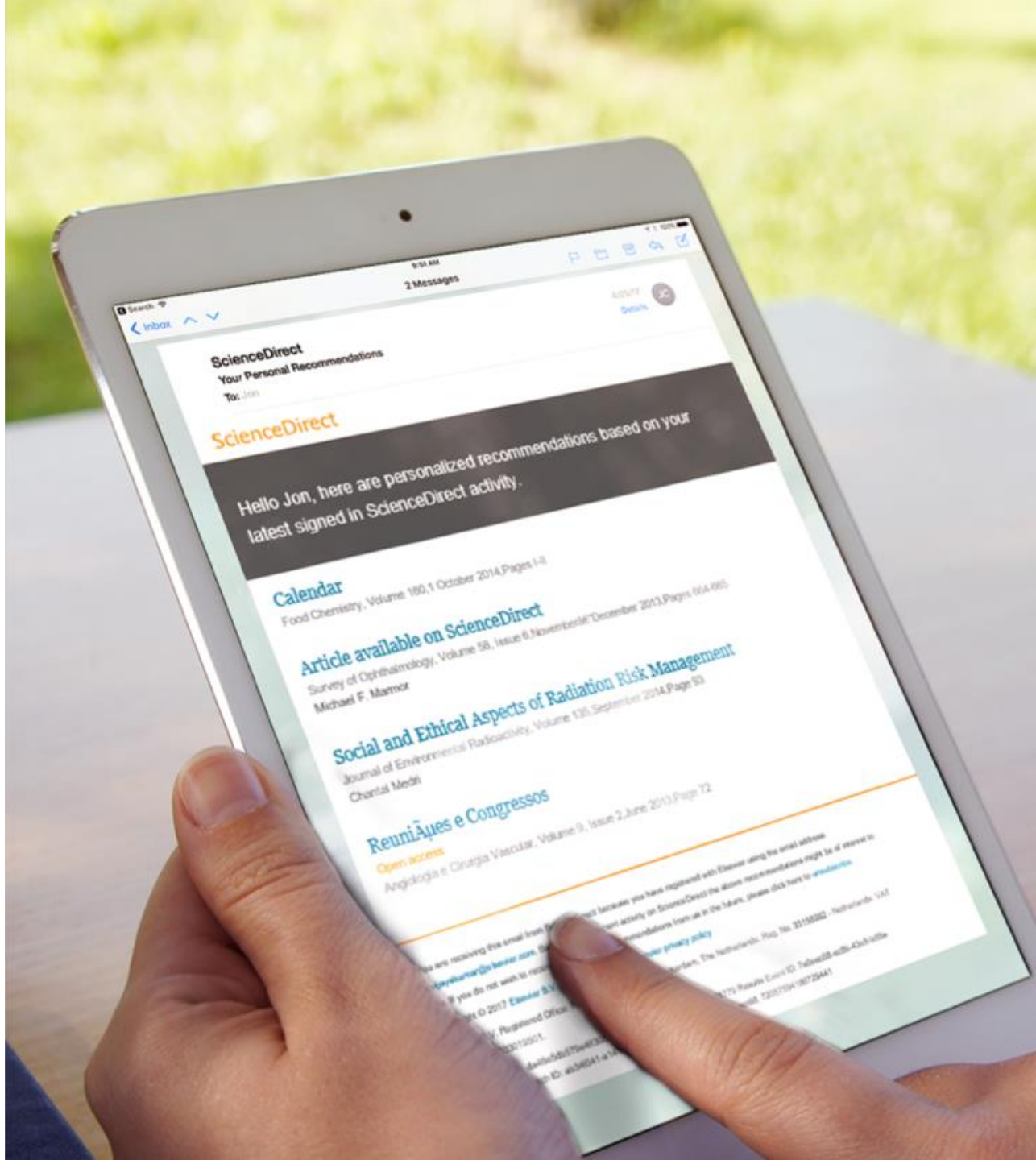
Get Recommendation

Set up alerts for the latest research —
by topic, journal or book series

ScienceDirect *Recommendations* is a service that sends *registered, signed in visitors* a weekly list of recommended research content based on your previous search history and signed-in activity.

All you need is a *registered account* and to remember to stay signed in when you search on ScienceDirect. Our recommender engine does the rest by connecting you to other research (new and existing) that ScienceDirect has determined is relevant to your interests.



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FARIDEA

RECOMMENDATIONS combine reading history with articles peers have read and Scopus citation data to recommend other relevant information

ELSEVIER FARIDEA

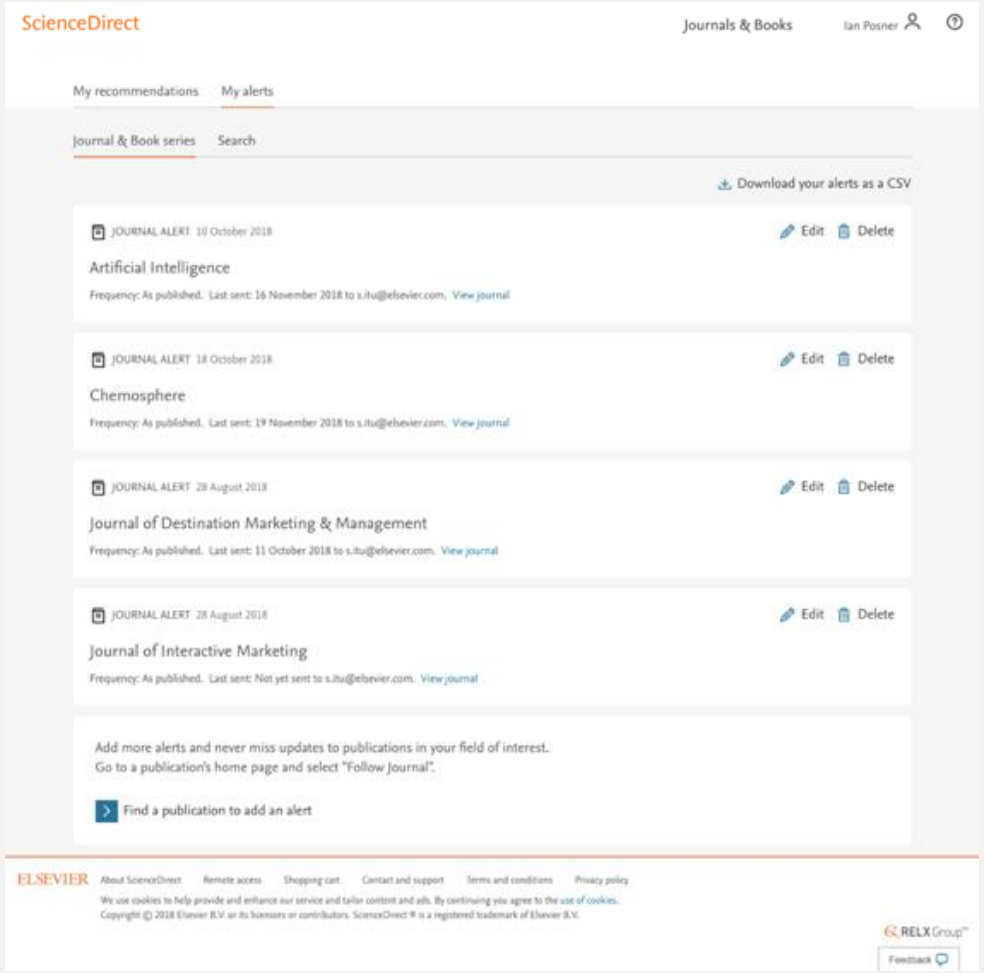
Set Up Alerts

Set up alerts for the latest research — by journal, book series or search queries

Alerts differ from personal recommendations in that you are only alerted when NEW research that meets YOUR criteria becomes available.

Recommendations, by contrast, include all research – regardless of publication date, that met the relevancy criteria determined by our recommender engine.

Managing your alerts



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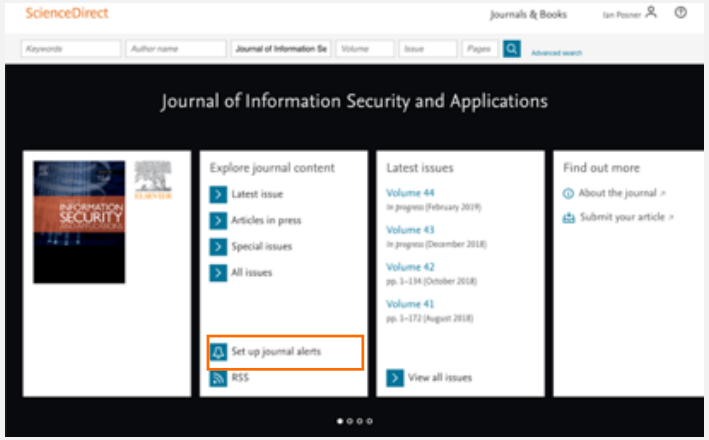
Set Up Alerts

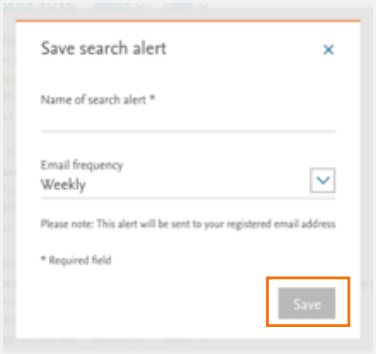
Saving alerts by book or journal series

For more info on how to set up and manage alerts, visit our tutorial here.



Set Up Alerts

Set up alerts to notify you of new articles that match your search request



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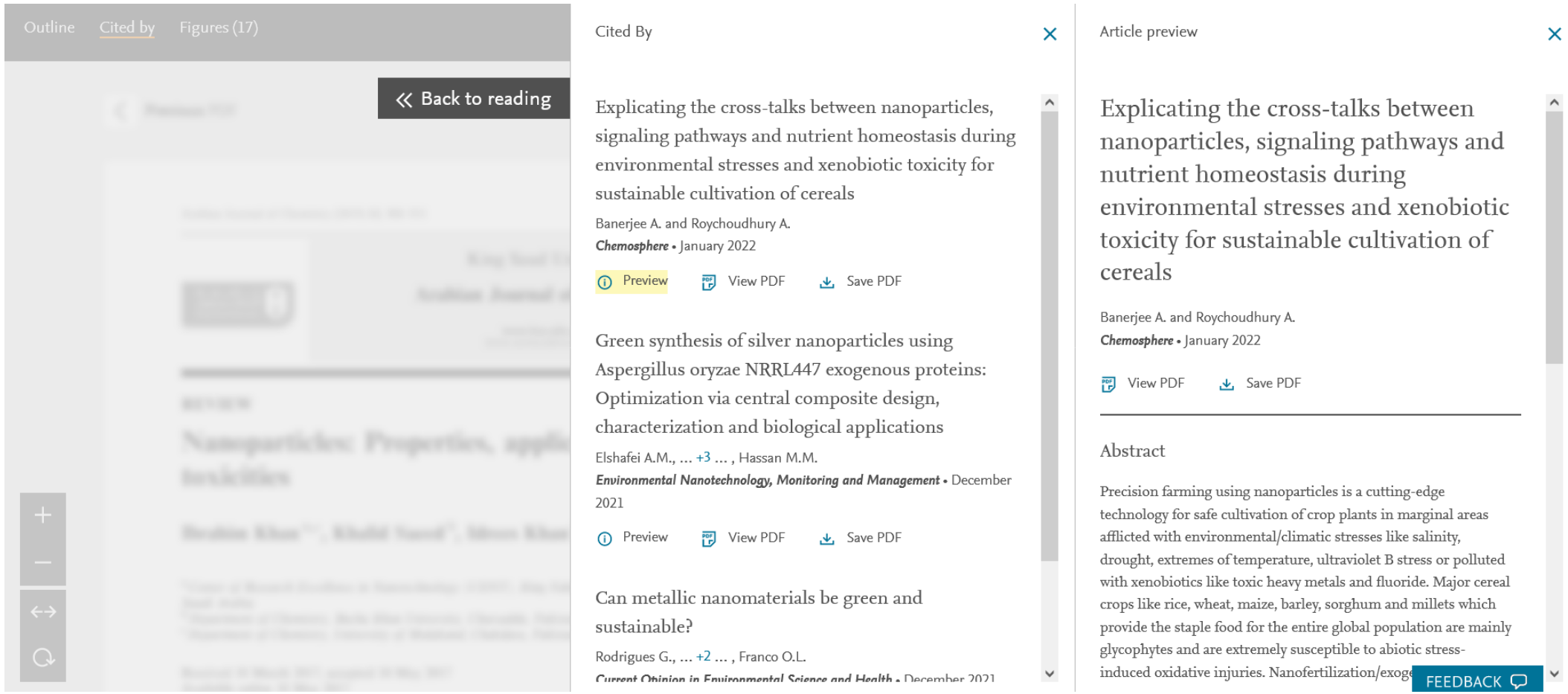
Enhanced PDF Reader

Our enhanced PDF article READER shows outlines, citations, recommendations, in article references and author links for a richer reading experience



Figures (3)

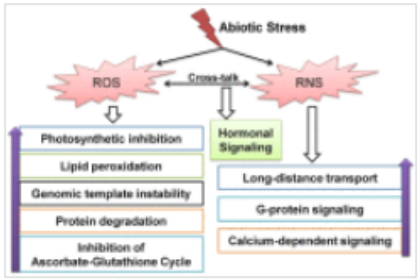


Fig. 1

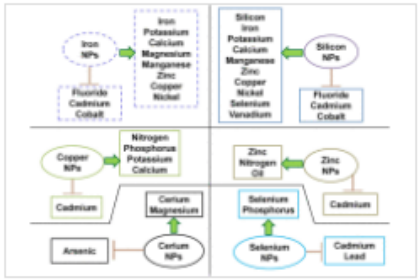


Fig. 2

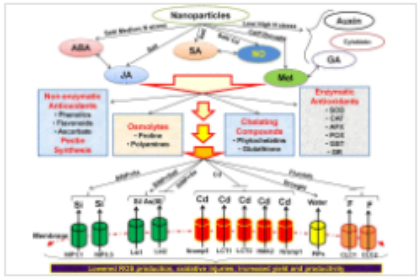


Fig. 3

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