GOBIERNO DE ESPAÑA MINISTERIO DE CIENCIA E INNOVACIÓN FECYT INNOVACIÓN

Jornadas de formación Web of Science 2025-2026

Sesión especial - ¿Qué hay de nuevo en Web of Science?

Anne Delgado
18/09/2025

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- Búsqueda inteligente
- Nueva colección: Research Commons
- Colección Principal conectada con Retraction Watch Database
- Nuevo asistente para conectar los perfiles de investigadores con ORCID

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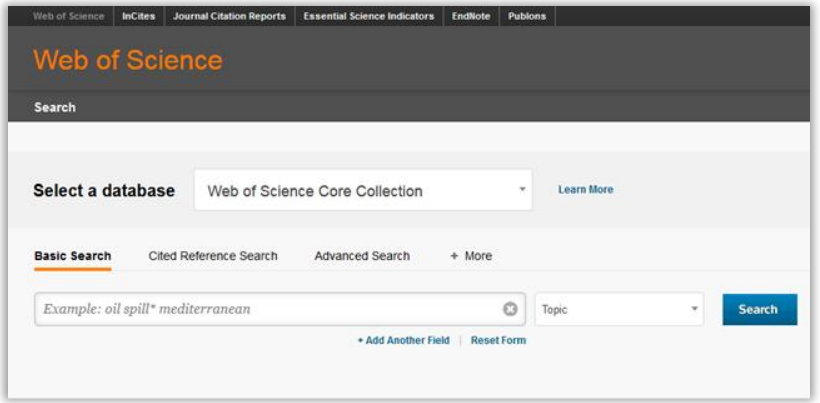
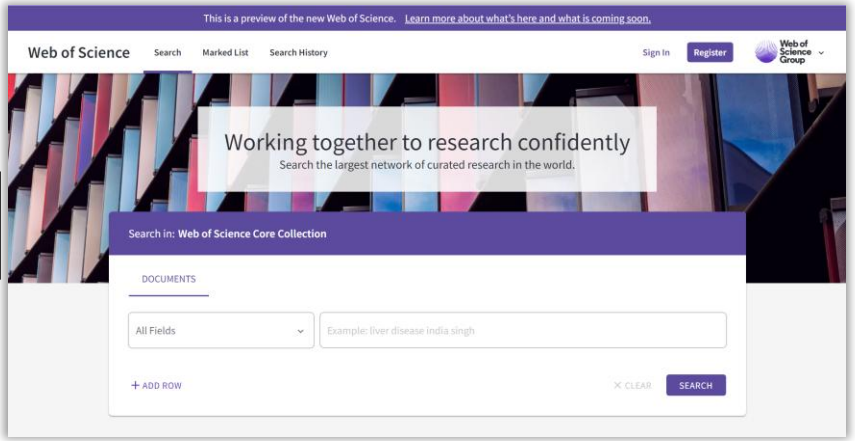
Search is central to the user journey

We continually refine the search experience to meet user needs



2017

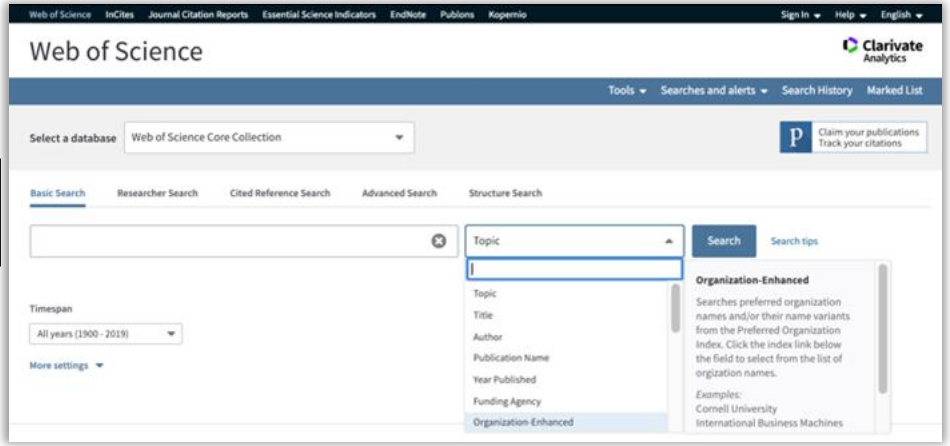
In addition to UX improvements, the default search is set to All Fields rather than Topic.



2019

2020

We added explanations of what a field is and why it is useful to help new searchers.



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Supporting diverse user expectations around search

Our approach to developing a new search experience

Develop smarter search

Create a more forgiving, user-friendly default search experience that serves a wider group of users.

Test it with customers

Conduct extensive feedback, testing and research with customers to ensure it meets user expectations.

Preserve existing functionality

Maintain current options that are necessary for use cases such as systematic review.

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Giving users more choice in the Web of Science

Smart Search

Automatic entity recognition

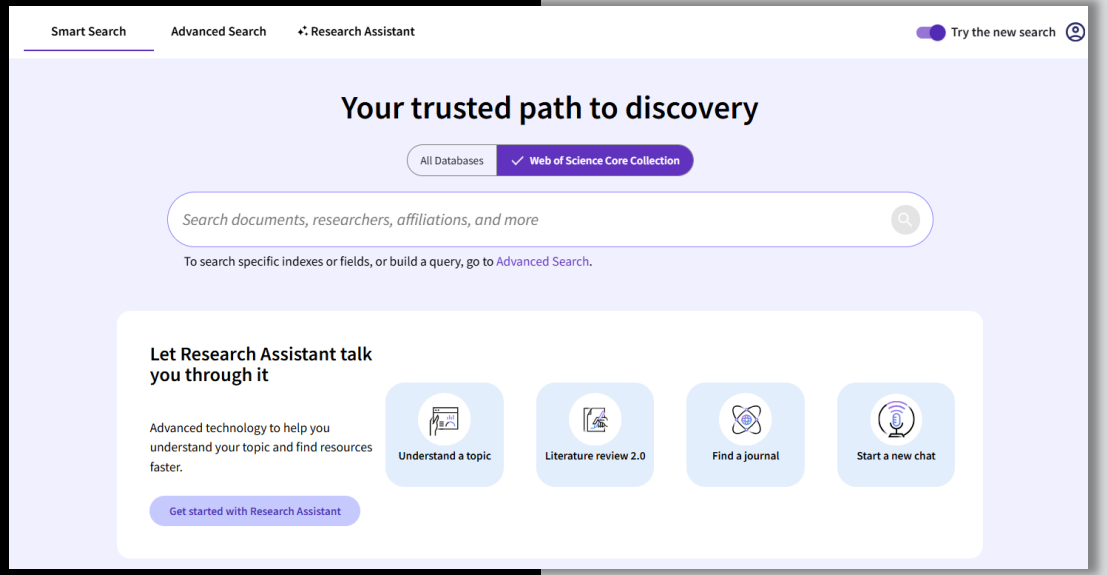
Boolean + semantic

Auto-complete

Spelling correction

Documents and Researchers

Multi-language



Advanced Search

Fielded Search

Boolean only

Query Builder

Cited Reference Search

Researcher Search

Structure Search

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Smart Search explained

Understanding the basics behind the new experience

Entity and intent recognition

Enter descriptive phrases and queries and get results that match your intended meaning.

Semantic search

Retrieve semantically-similar content beyond entered keywords.

Typeaheads and auto-correct

Complete phrases quickly or select journal titles, researchers, and institutions.

Multi-language search

Search in any UI-supported language and browse translated titles and abstracts of results.

Papers and people in results

Explore relevant document records and related profiles from the same search results page.

Transparent results

View Boolean results, semantic results or a combined list—you choose based on your preference.

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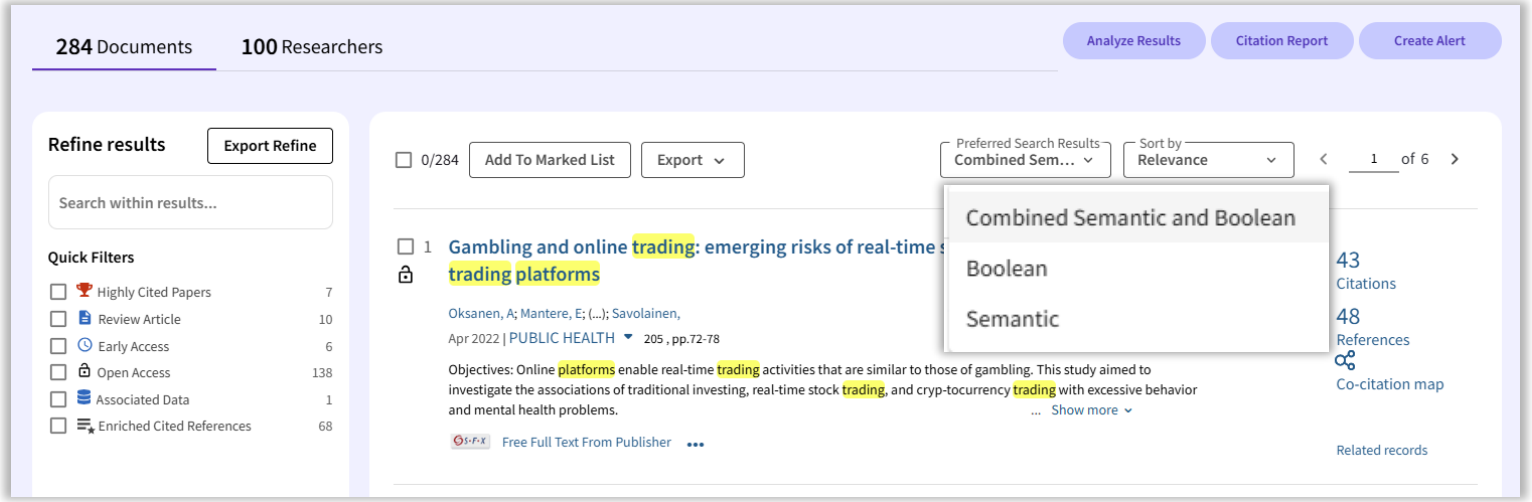
Transparency to help you analyze search results

Filter to Boolean, Semantic or Combined views



Smart Search combines both **Boolean** and **semantic** (vector) searching to retrieve the maximum relevant results.

Boolean
Finds exact matches of the search terms in identified data fields (e.g., topics, authors, affiliations)

Semantic*
Converts the search into a vector to find semantically similar content.

The combined results are then ranked by relevancy.

*A maximum of 100 semantic results are included in any search.

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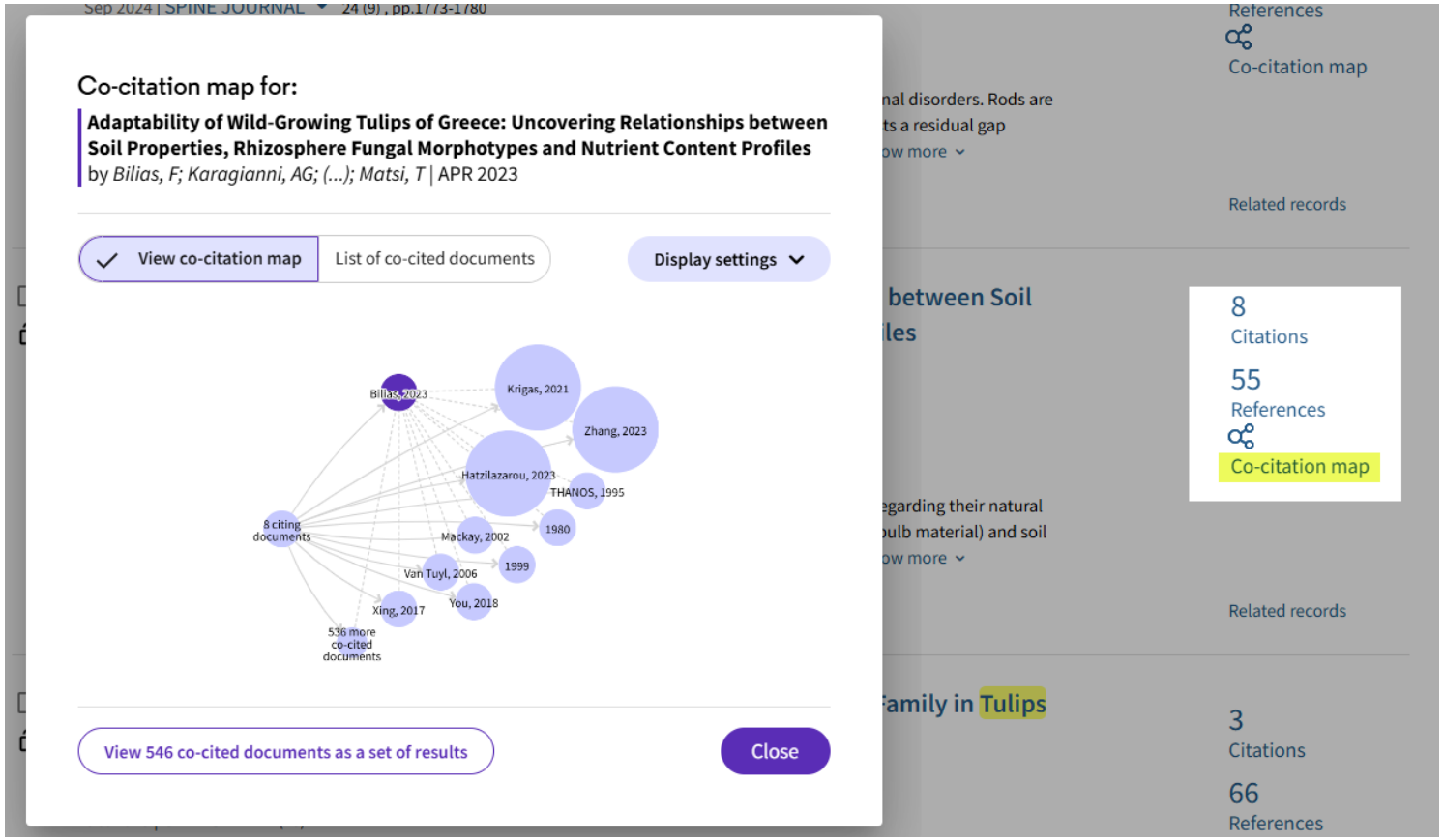
Exploring co-citation maps

A new visualization for Smart Search users



- Considers a paper's incoming citations to assess similarity with other documents
- Highlights the top 10 most frequently co-cited papers with the original study
- Provides an option to explore all co-cited documents as a results set
- Dynamic and interactive

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Search isn't one size fits all

Comparing different Web of Science search experiences

Requires additional subscription

	Smart Search	Advanced Search	Research Assistant
Skill level	**Beginner to intermediate**	**Intermediate to expert**	**All levels**
Search input style	Phrases, keywords or entities	Boolean logic, fielded queries	Conversational prompts, questions
Search modes	Boolean + Semantic	Boolean only	Natural language + guided tasks
AI usage	Machine learning, semantic search, entity recognition, auto-correct, multilingual support	No AI; manual query construction	Generative AI, agentic AI
Query flexibility	**High** Recognizes topics, authors, institutions; understands intent	**Low** Requires precise syntax and field knowledge	**Very high** Interprets intent, guides query refinement, proactively offers related queries
Optimized for	Quick discovery, finding related content, locating authors and papers	Precision, reproducibility, systematic reviews	Literature synthesis, exploring an unfamiliar topic, hypothesis generation, light analytics
Multilingual	Yes (query and abstract translation)	No	Yes (multi-language input and summaries)
Visualizations	Co-citation maps + Analyze Results	Analyze Results	Topic maps, trend graphs, co-citation networks, co-author networks, benchmarking charts
Transparency	User can toggle Boolean vs. Semantic results	Fully manual, transparent logic	AI explains reasoning and lets users validate steps

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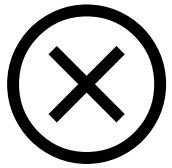
Smart Search - Roadmap

Key dates for opt-in, opt-out and full release

April 2025: Opt-in

- Translated search – Simplified Chinese
- AI-powered typeahead – Context aware
- All Databases Search
- Document and Researcher Search
- Semantic Search



July 2025: Opt-out

- Boolean Operators support
- Multilingual support - UI languages
- Co-citation Map
- Search Transparency – Preferred search results flyout

By November 2025: Release

- Admin can set the default search landing page for their institution
- Multilingual support – All languages
- Typeaheads to support long phrase searching
- Search Transparency – View/Edit query on summary page
- UX/UI updates

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Evolving Web of Science to meet your needs

Supporting efficient discovery

2000-2010s

Content expansion initiatives

- Core Collection regional expansion
- Chinese Science Citation Database
- SciELO Citation Index
- KCI-Korean Journal Database
- Data Citation Index

2015

Emerging Sources Citation Index

Addition of 8,500+ quality journals to the Web of Science Core Collection to deepen coverage across subject areas and geographies

2020s

Additional content

- Arabic Citation Index
- Preprint Citation Index
- ProQuest Dissertations & Theses Citation Index
- Grants Index
- Policy Citation Index

2025

New collection of journal content

Continuing to meet the research community's evolving needs

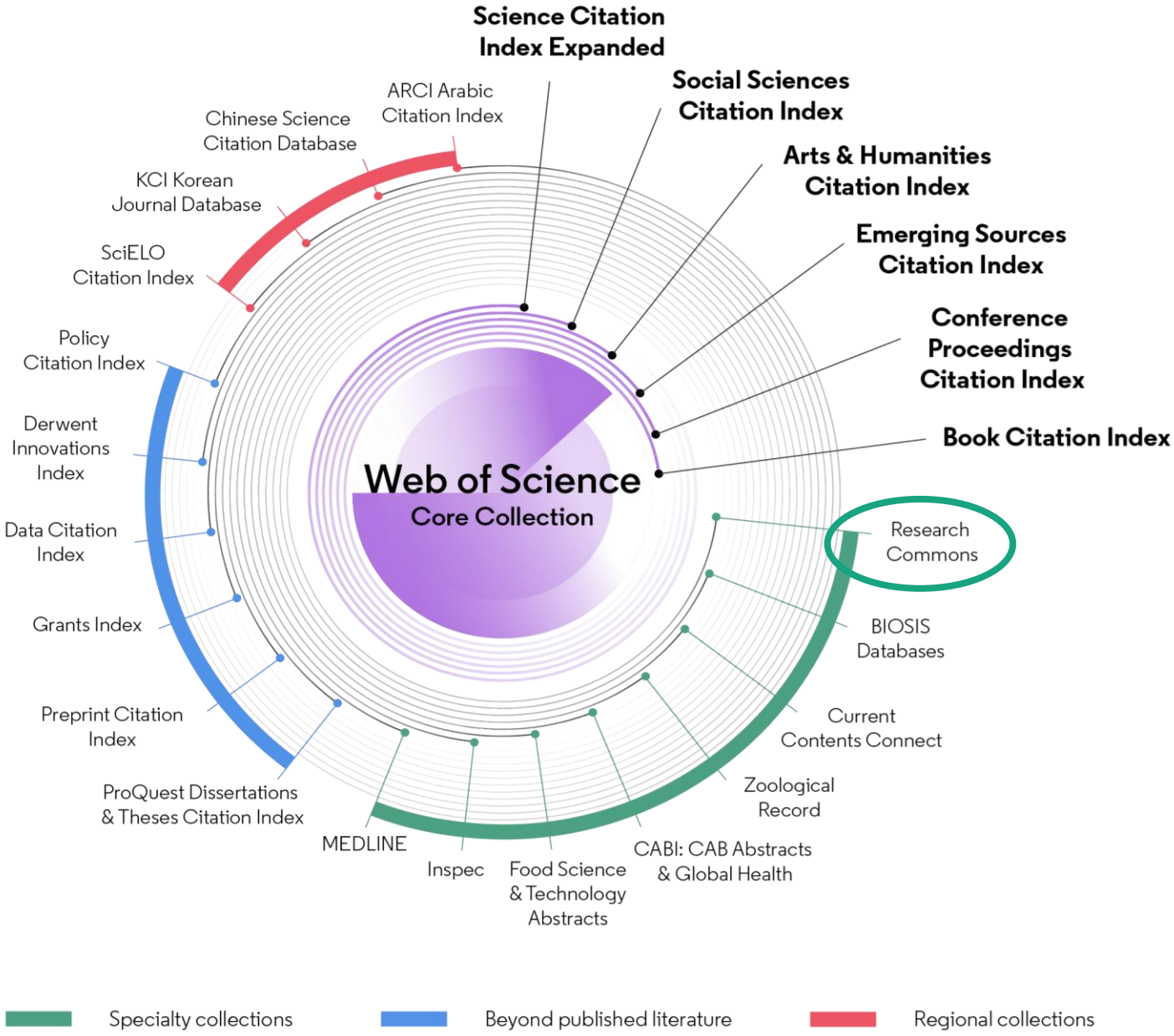
Research Commons on the Web of Science platform

Empowering broader, flexible discovery

Research Commons is a new, standalone database for Web of Science subscribers that brings additional journal content from open metadata sources to the platform.

Sources at launch:

- Crossref
- OpenAlex



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Open metadata sources at launch

Crossref makes research objects easy to find, cite, link, assess, and reuse.

- Crossref is a nonprofit organization that provides Digital Object Identifiers (DOIs) for scholarly content—like journal articles, books, and datasets.
- It ensures persistent, reliable links to research outputs and powers citation tracking, metadata sharing, and discovery tools across the academic ecosystem.

https://www.crossref.org/about/

An open and comprehensive catalog of scholarly papers, authors, institutions and more.

- Developed by Our Research (formerly known as Impactstory)—a nonprofit organization dedicated to advancing Open Science by building open, functional, and sustainable scholarly infrastructure.
- Positioned as an open alternative to proprietary databases such as Scopus or Web of Science.

https://openalex.org/

Web of Science vs. OpenAlex - Battlecard

Widen your lens

Explore more research connected to the world's most trusted citation database

Expanded content

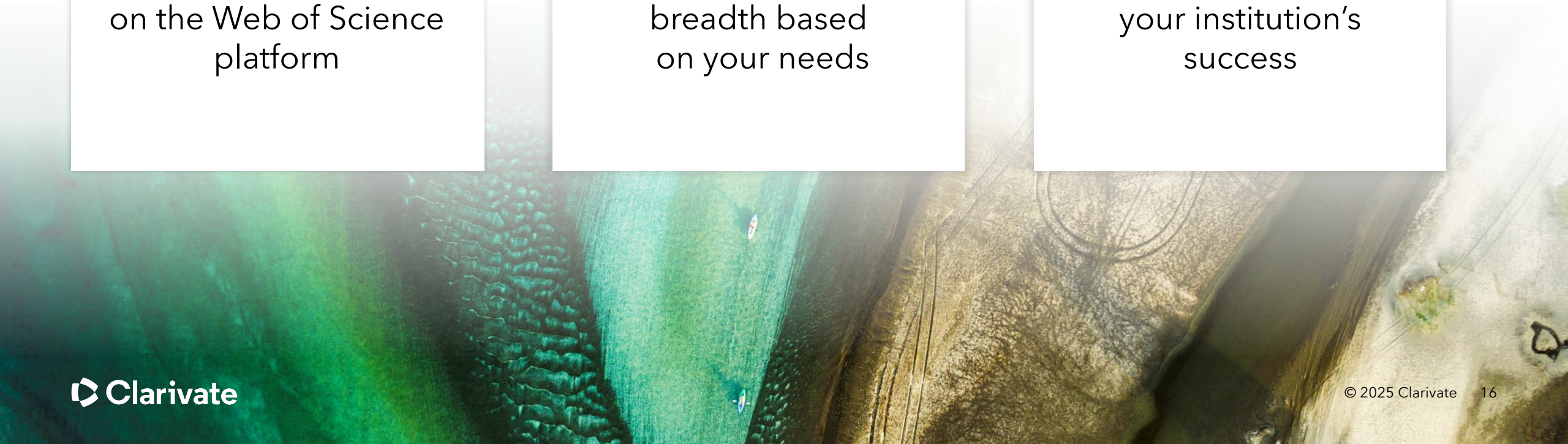
Discover more content on the Web of Science platform

Flexible discovery

Prioritize quality or breadth based on your needs

Comprehensive evaluation

Tell a broader story of your institution's success



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Consult the full scope of research on a topic

Expanded content

32M+

additional records on the Web of Science platform

+21%

more journal content on the Web of Science platform

53%

from researchers working in the Global South*

*based on available metadata

43%

social sciences, arts and humanities content*

*based on available metadata

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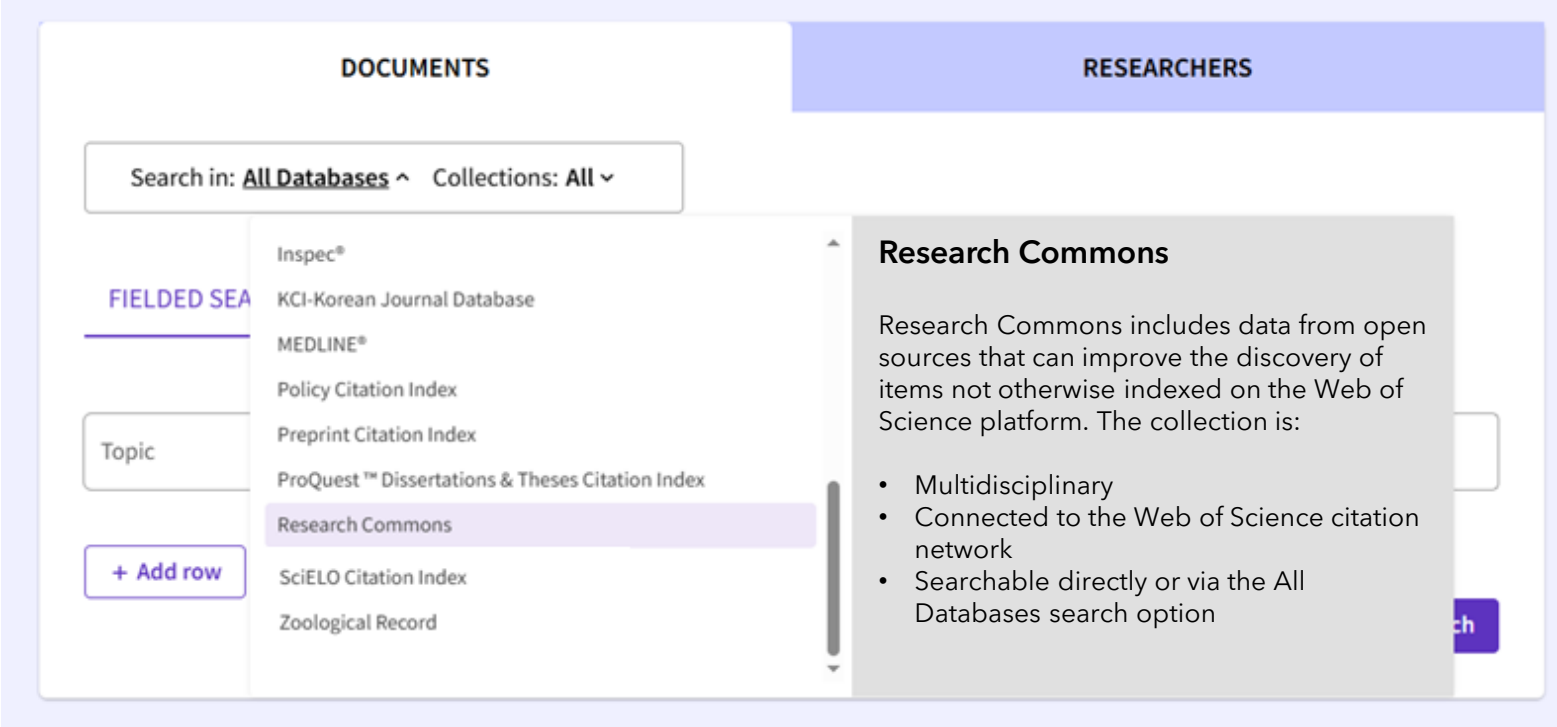
Prioritize quality or breadth based on your needs

Flexible discovery



"Adding more to Web of Science is always going to be a good thing, as long as people can get to the data that they want."

Michael Brewer
Senior Information Resources Officer
University of Arizona Libraries

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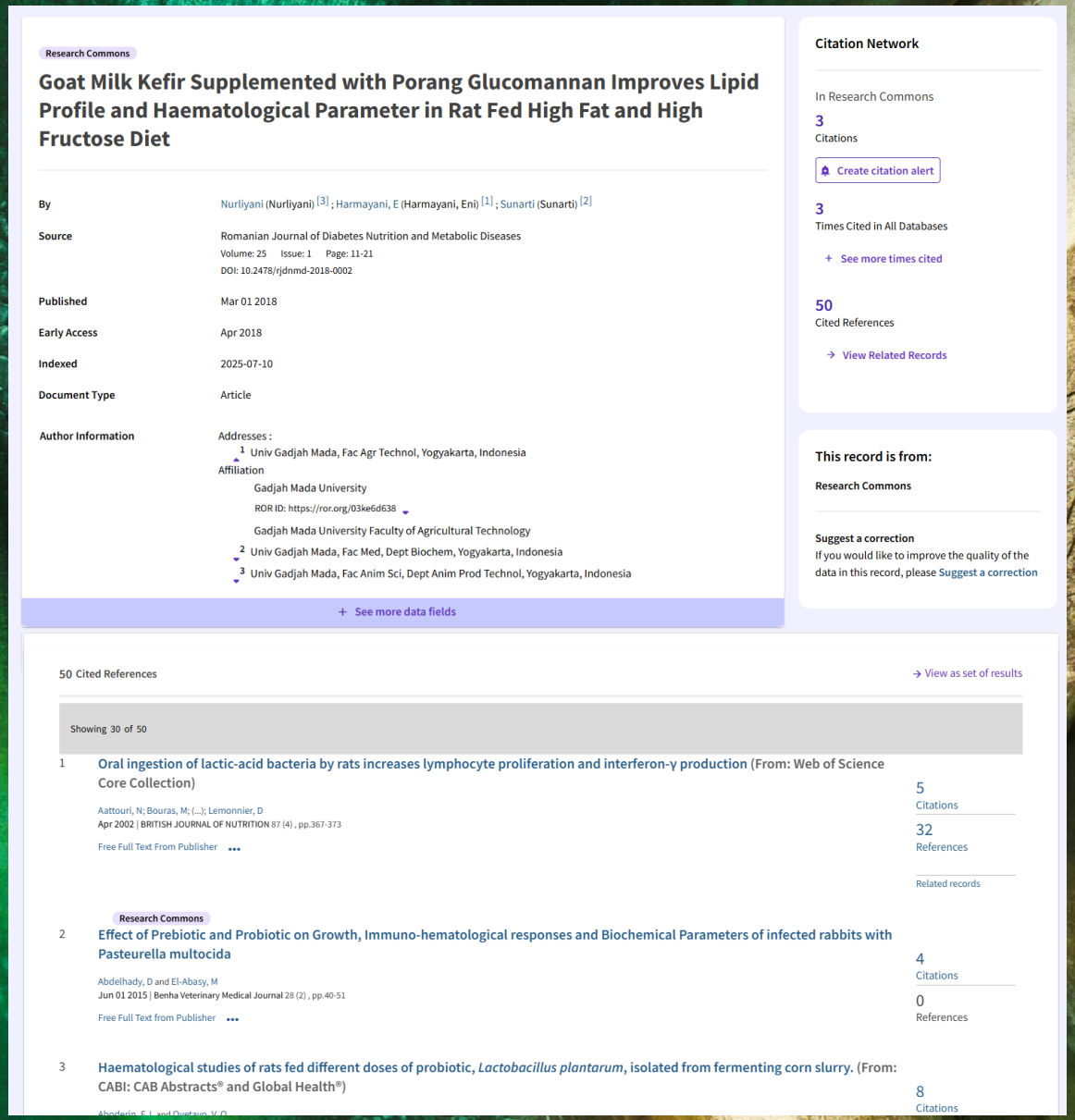
Enhance discovery

Enriched document records

Adding value through unification and linking:

- Unified organization names using Web of Science preferred name
- Links to the Web of Science citation network for citation navigation with the Web of Science Core Collection
- Add Research Commons publications to Researcher Profiles.
- *Coming soon:* Classification into Web of Science Subject Categories and Web of Science Research Areas



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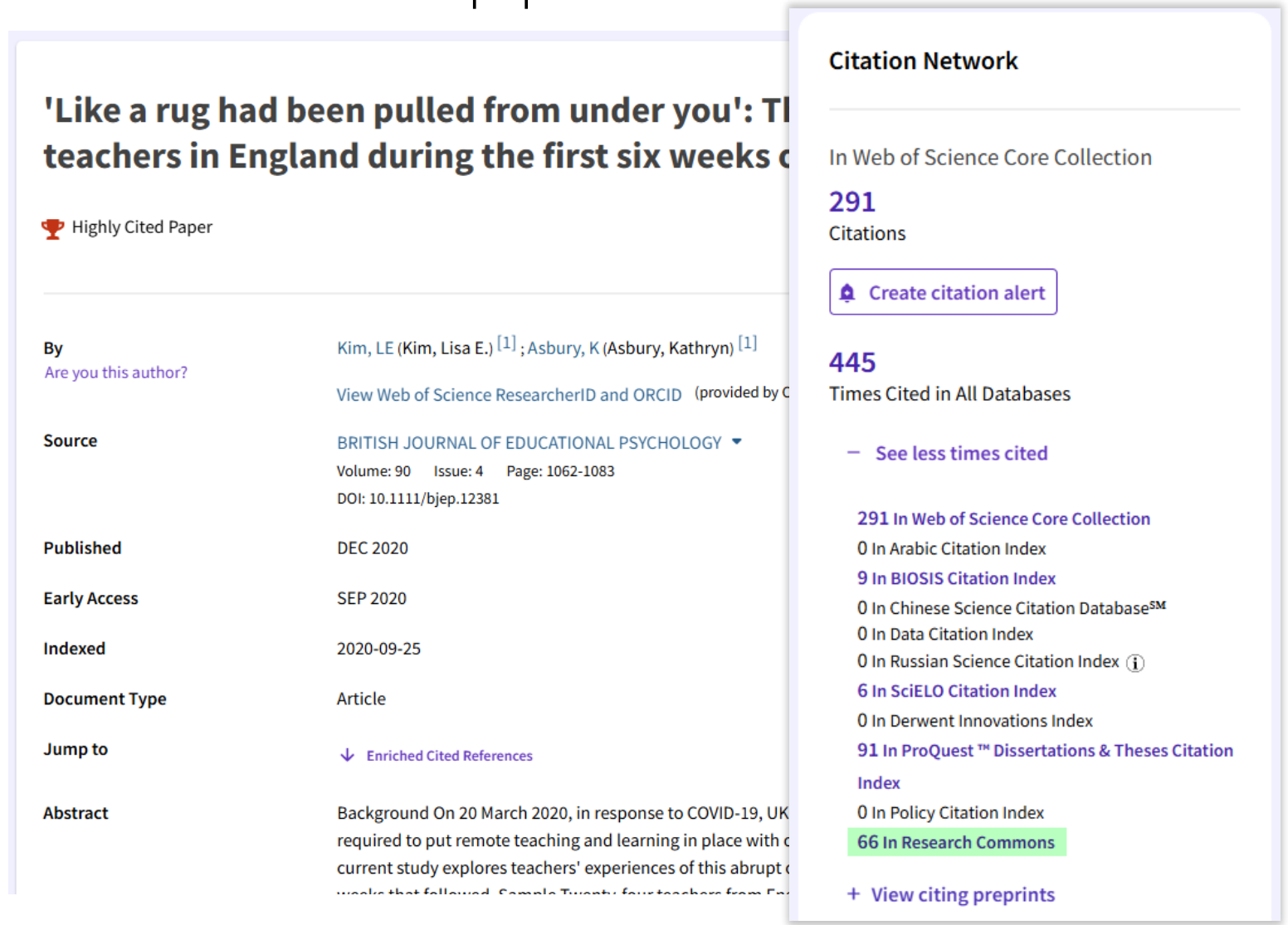
Make connections between concepts faster

Citation links between papers



Navigate a larger citation network:

- Link to Research Commons records that cite a paper
- View articles that cite Research Commons research

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Tell a broader story of your institution's success

Comprehensive evaluation

Make decisions based on a more complete, detailed view of your organization's published research output

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Is this publication trustworthy?

https://retractionwatch.com/

NEWS | 06 April 2024

Exclusive: official investigation reveals how superconductivity physicist faked blockbuster results

The confidential 124-page report from the University of Rochester, disclosed in a lawsuit, details the extent of Ranga Dias's scientific misconduct.

By Dan Garisto

Paper Mills

Research report from COPE & STM

WORLD VIEW | 15 August 2023

Predatory journals entrap unsuspecting scientists. Here's how universities can support researchers

Training from institutions on publishing norms could help to thwart predatory publishers.

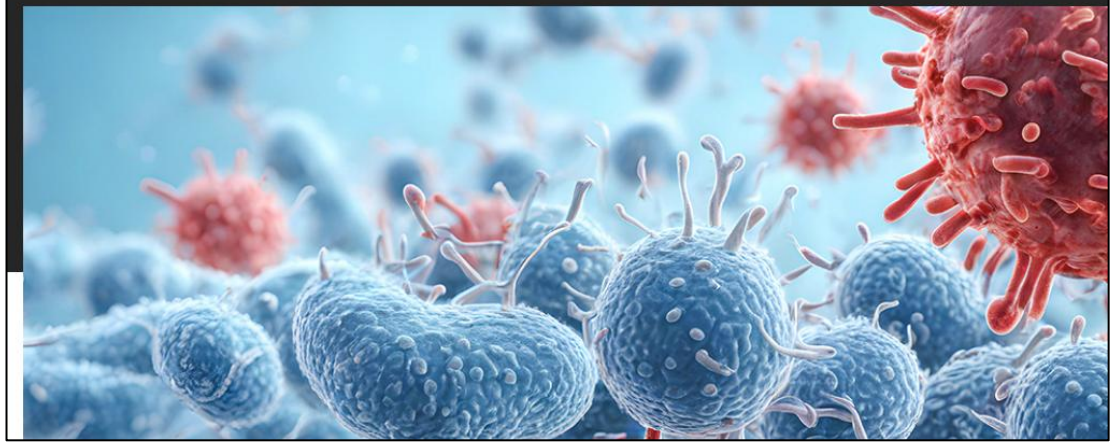
By Chérifa Boukacem-Zeghmouri

SCIENCEINSIDER | SCIENTIFIC COMMUNITY

Journal retracts influential cancer microbiome paper

Claim that a blood sample's mix of microbes can reveal a tumor spawned other research and a company to commercialize the findings

26 JUN 2024 · 5:40 PM ET · BY CATHERINE OFFORD



¿Qué son las revistas depredadoras? Los procesos de revisión como criterio de demarcación (v3)

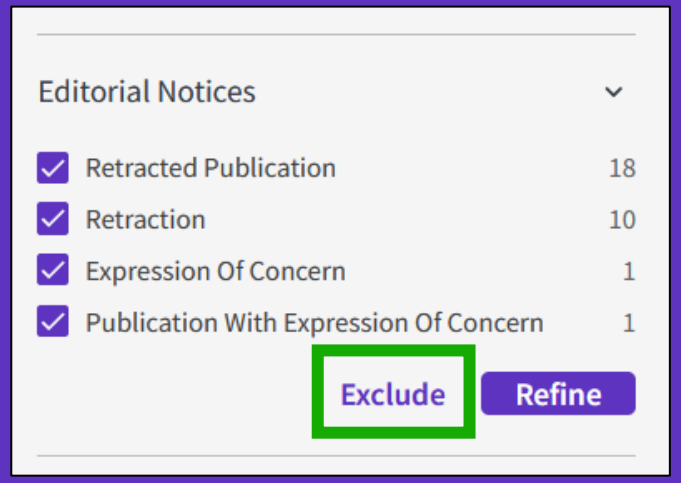
upf. Universitat Pompeu Fabra Barcelona

DigiDoc

Lluís Codina (UPF · Grupo DigiDoc)
Webinar para el Grupo WeEditors.org
Abril 2023

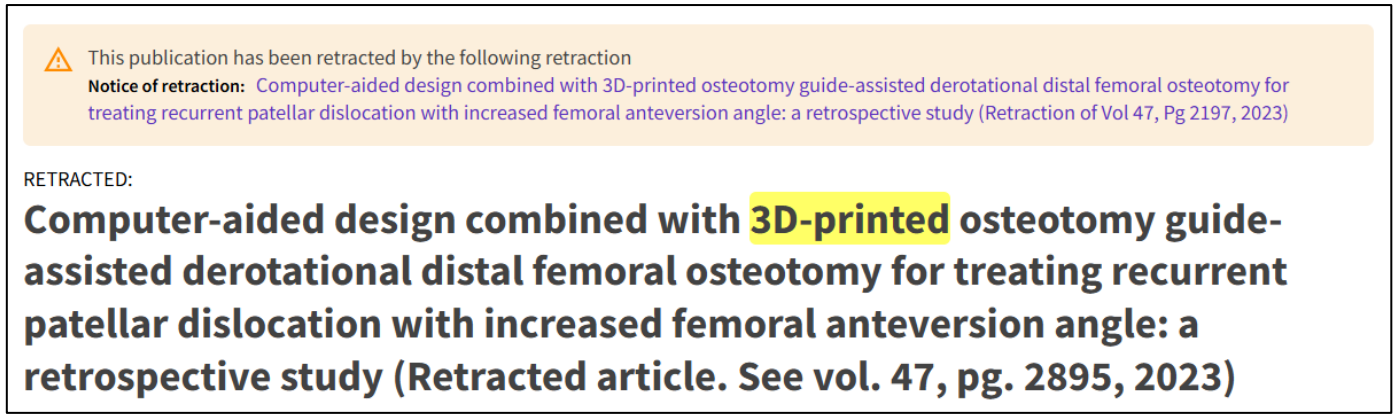
Identificar literatura fiable

Web of Science te ayuda a descartar artículos retractados de tu bibliografía



Web of Science Core Collection: Document Type Descriptions

- Web of Science identifica claramente las publicaciones retractadas para que los investigadores sepan cuándo un artículo publicado puede haber sido retractado por el editor o el autor.
- Los datos de la Colección Principal de Web of Science se integran con Retraction Watch Database (https://retractiondatabase.org/RetractionSearch.aspx) para identificar las publicaciones retractadas y mostrar las "razones" por las que un artículo puede haber sido retractado (cuando esta información está disponible)



Expression of Concern	A notification about the integrity of a published article that is typically written by an editor. The outcome may result in a future retraction notice or correction notice. The original article information is included in the title of the Expression of Concern and the original article is cited.
Publication with Expression of Concern	An original publication that has an Expression of Concern published about it. A Publication with Expression of Concern will have a dual document type: EXAMPLE: Article; Publication with Expression of Concern. A "Publication with Expression of Concern" dual document type will only be assigned if an Expression of Concern notice is published.
Retracted Publication	An article that has been retracted by an author, institution, editor, or a publisher. A Retracted Article will have a dual document type: EXAMPLE Article; Retracted Publication. A Retracted Publication dual document type was created in 2016 and will only be assigned if a retraction notice is published.
Retraction	A published statement from the editor or author announcing the retraction of a manuscript and the reason for the retraction. The retraction notice must state that the item is being retracted. The original article information is included in the title of the retraction and the original article is cited. Prior to 2016 retractions were processed as corrections. The original article information is included in the title of the retraction and the original article is cited.

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Easily populate your ORCID record with your documents indexed by the Web of Science Core Collections.

Synchronize your Web of Science researcher profile with ORCID iD to permanently resolve attribution errors and showcase your complete research impact.

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Key Features

1. **Automated Publication Import (Web of Science → ORCID):**
    1. Finds Matches: Automatically searches for researcher profiles in Web of Science with researcher name.
    2. Bulk Import: Enable the researcher to bulk import publications from Web of Science to ORCID record in one step.
    3. Simplified feedback to Web of Science researcher profiles (optional)

2. **Persistent Linkage:** Enabled a verified, persistent link between the Web of Science Researcher Profile and the ORCID iD. Save time for researchers to maintain their academic profiles across platforms.

3. **Enhanced Visibility & Control:** Helps researchers ensure their publication lists on both platforms are comprehensive and up to date. Gives them greater control over their scholarly identity.

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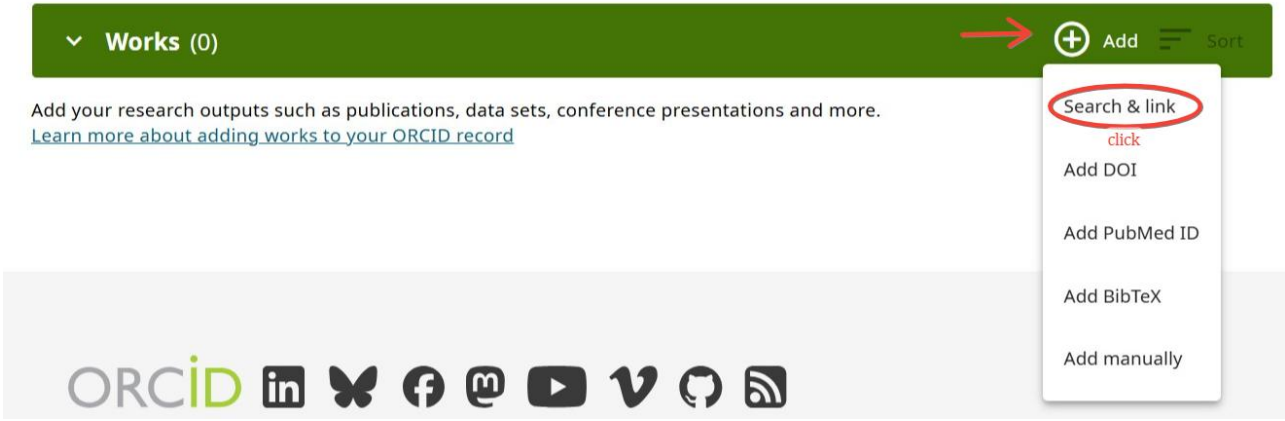
High level walkthrough

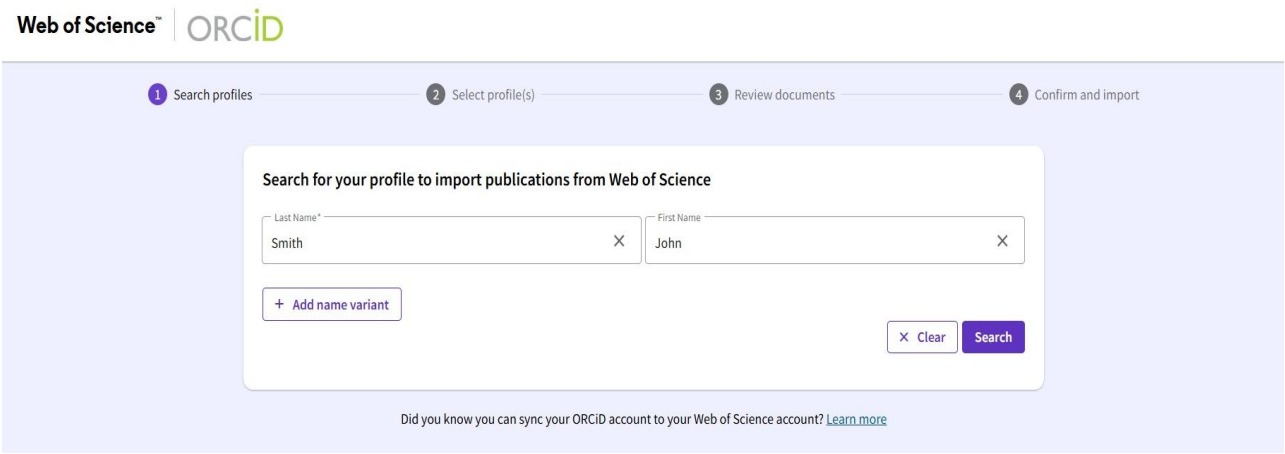
Step 1: Access the Wizard in ORCID

- Access your ORCID account
- Click on Work → Search & link
- Find and select Web of Science from the list
- Authorize Web of Science to access your ORCID record



Step 2: Search for your Web of Science Researcher Profile(s)

- Search with your Last Name and First Name
- (Optional) Add your name variant
- Run the search



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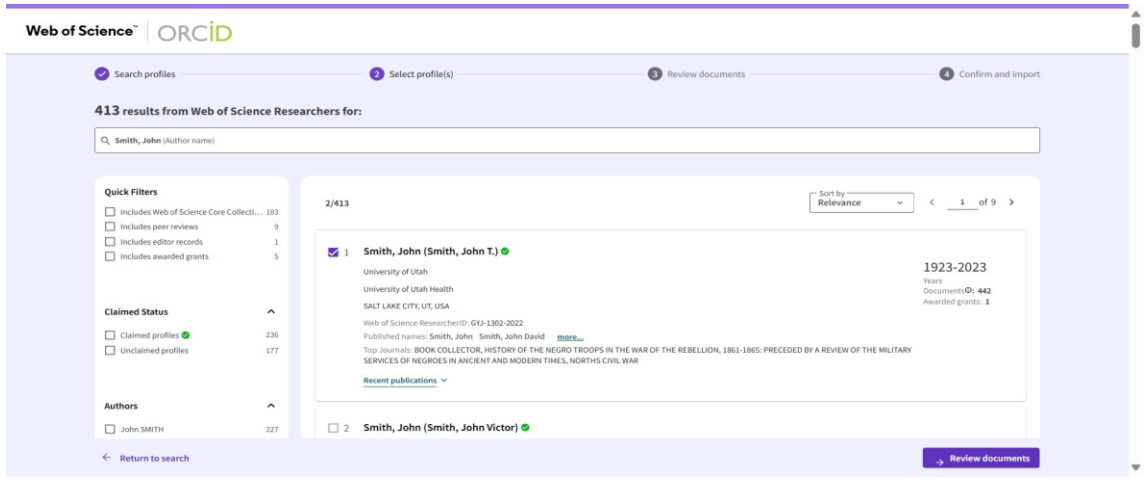
High level walkthrough

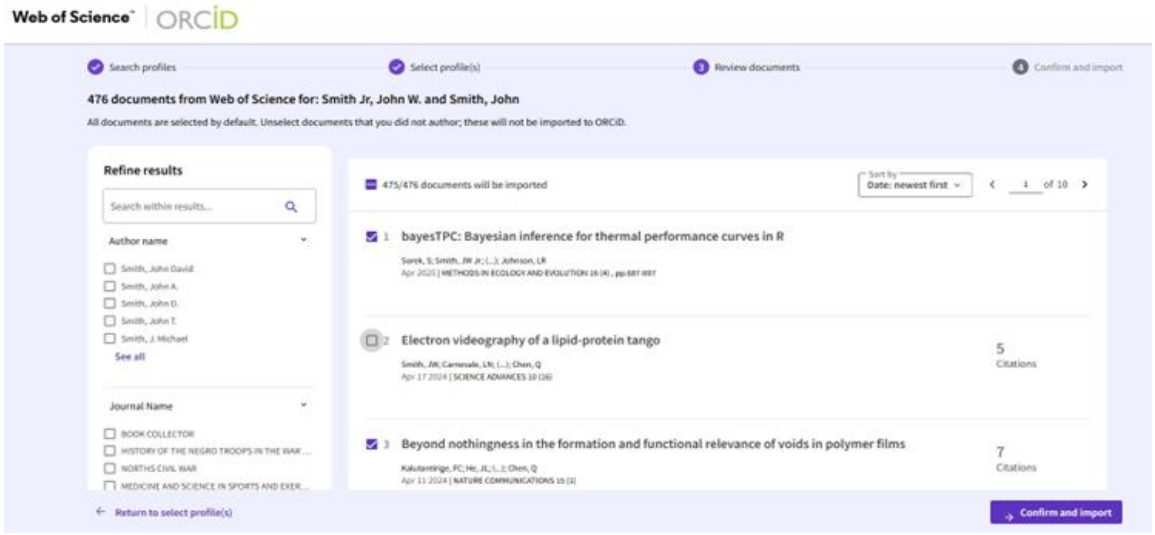
Step 3: Select your Web of Science Researcher Profile(s)

- Use filters to quickly filter the results
- Confirm identity matching:
  - ✅ Publication history
  - ✅ Institutional affiliations
  - ✅ Published names
- Select all matched researcher profile(s) and click on ‘Review documents’ to continue



Step 4: Review Documents

- Review documents under selected profiles
- Deselect publications that are not written by you
- Filter options: Author Name | Journal Name | Organizations
- Make sure all selected publications are correct for import
- Click "Confirm and import"



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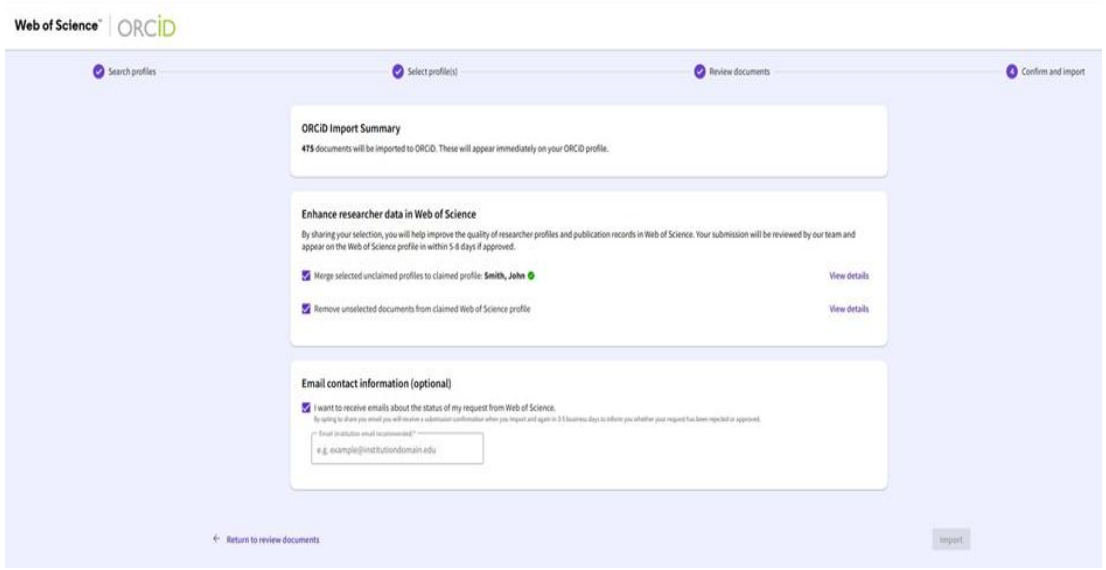
High level walkthrough

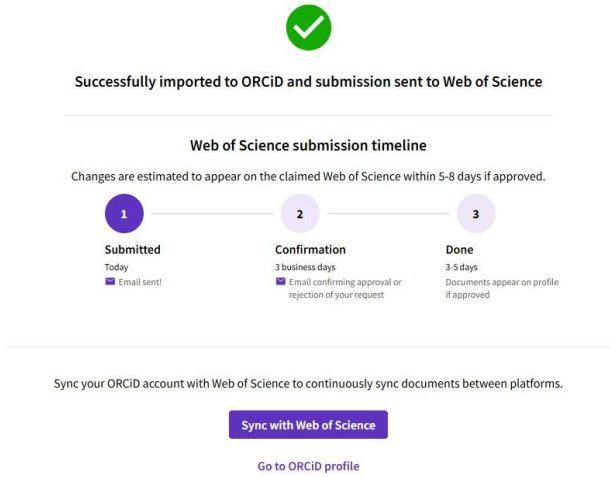
Step 5: Confirm and Import

- Review ORCiD Import Summary
- Select/deselect option to Enhance researcher data in Web of Science
  - If selected, review correction details
  - Determine whether to receive emails from Web of Science about the status of the correct request
  - Provide your institutional email address for contact
- Click ‘Import’



Step 6: Continue to Web of Science Account or Go back to ORCID Record

- After successfully import, click ‘Sync with Web of Science’ to continue
- Or go back to ORCID record



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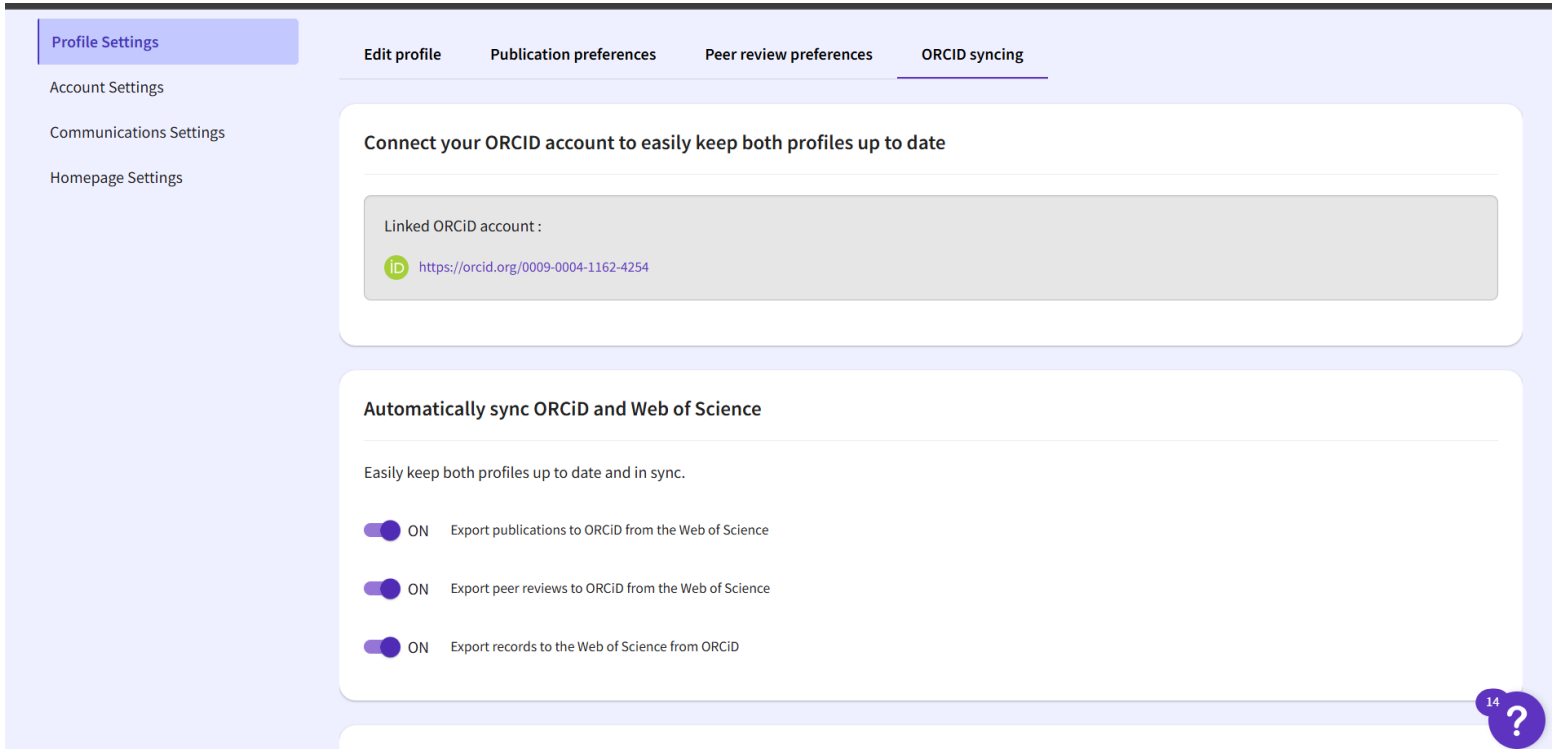
High level walkthrough

Step 7: Sync ORCID iD with Web of Science Account

- Sign in to Web of Science using ORCID iD
- Go to Settings –> Profile Settings –> ORCID Syncing tab
- Connect ORCID iD with Web of Science account
- Turn on the toggles to automatically:
  - Export publications to ORCID to Web of Science
  - Export peer review to ORCID from Web of Science
  - Export records to the Web of Science from ORCID



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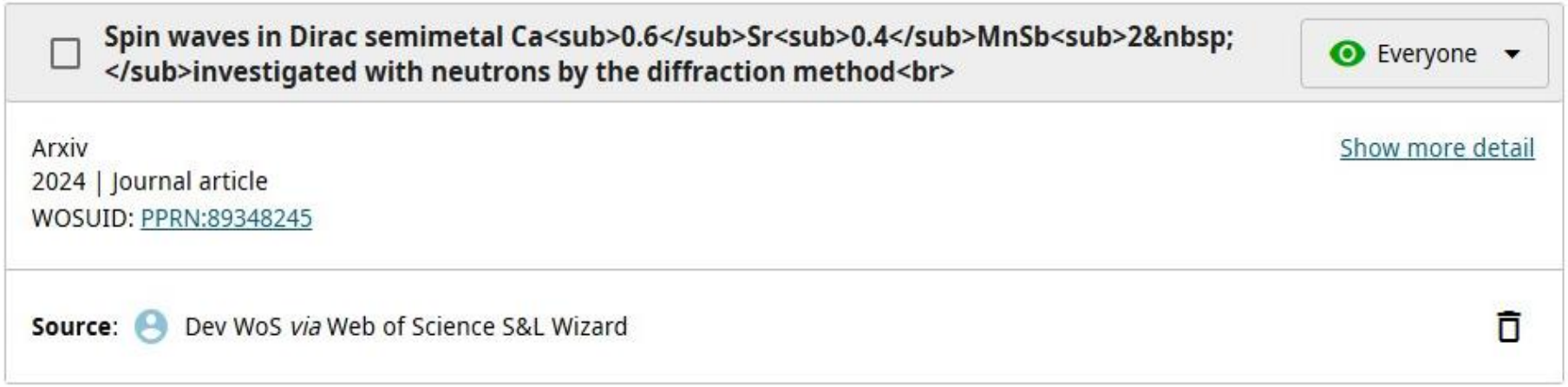
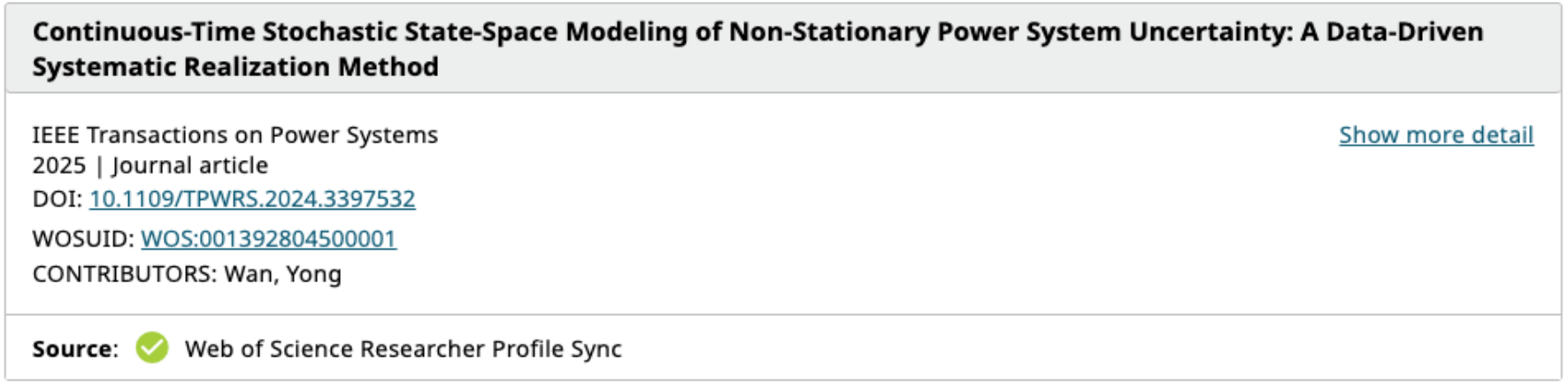
Source on ORCID Record

Example record added via Search & Link



Example record added via profile sync



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Help Files

- How to Sync Your ORCID Record with Web of Science Researcher Profile – Web of Science

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