SCIENTIFIC WRITING

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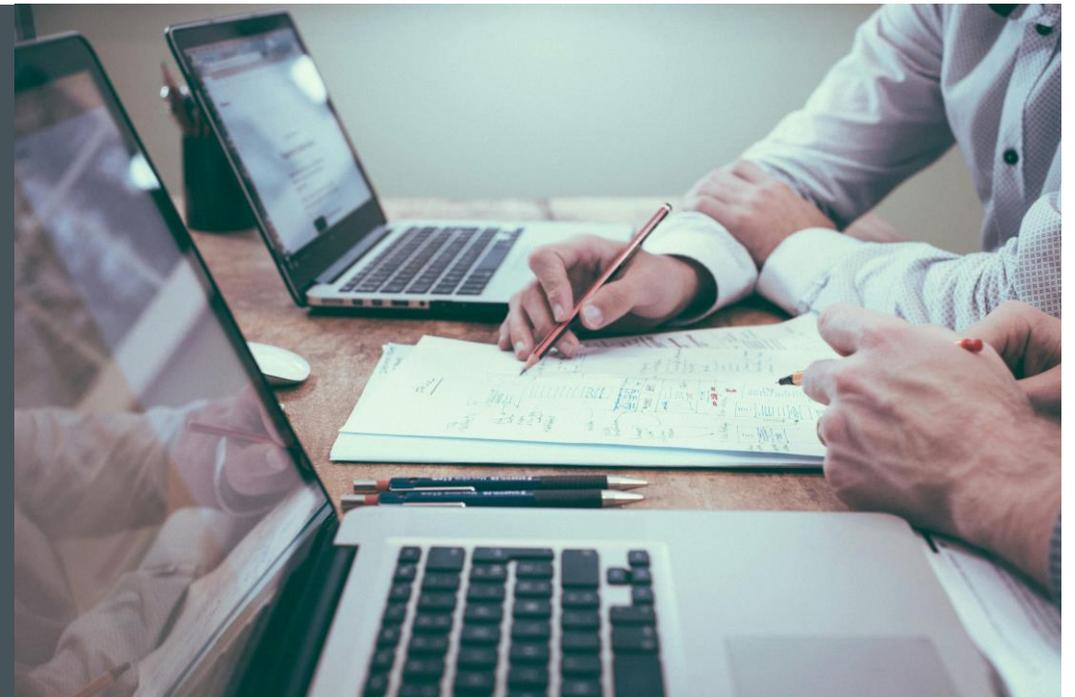
Photo de Scott Graham sur Unsplash

ACCESSING SCIENTIFIC PUBLICATIONS

https://clickandread.inist.fr/

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PREPRINTS

- **Preprints** are **preliminary versions**, or manuscript versions, of scholarly works – especially journal articles – that are made available to the (professional) public. As a rule, they are **non-peer-reviewed versions** whose public release primarily serves to **expedite the sharing of research findings**. Preprints are made **freely available** to the public **on preprint servers**, thereby also making an important contribution to green open access.

https://open-access.network/en/information/publishing/preprints

Preprint servers :
arXiv,
bioRxiv (biology),
SocArXiv (social sciences),
EarthArXiv (geosciences),
medRxiv (medicine),
ChemRxiv (chemistry).

Generic open access repositories :
Zenodo,
HAL

REFERENCING PREPRINTS IN A JOURNAL ARTICLE

- **Mark preprints clearly.** (Check the author instructions regarding referencing)

- When a preprint has become available as a peer-reviewed publication : use the formal publication as a reference.

Preprint servers (for example, ChemRxiv, arXiv)

ChemRxiv & bioRxiv: The citation should include the author(s), the name of the preprint server, the year, the word "preprint" and the DOI (including version number).

S. Bhattacharjee, S. P. Chaudhary and S. Bhattacharyya, ChemRxiv, 2019, preprint, DOI: 10.26434/chemrxiv.9794270.v1

arXiv: The citation should include the author(s), the name of the preprint server, the year, the article number and the DOI.

D. Carrascal, L. Fernandez and J. Ferrer, arXiv, 2009, preprint, arXiv:0904.1138, https://doi.org/10.48550/arXiv.0904.1138

https://www.rsc.org/publishing/publish-with-us/publish-a-journal-article/chemical-science
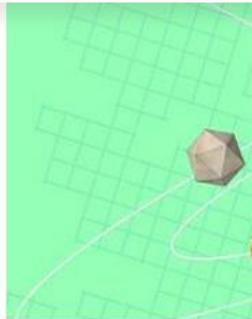
A WIND OF CHANGE...

SORBONNE UNIVERSITÉ

Open Science

Sorbonne U Science

Sorbonne University science for many yea to discontinue its su bibliometric tools in it is opening the way

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cnrs

Nos recherches ∨   Nos innovations ∨   Nos défis ∨
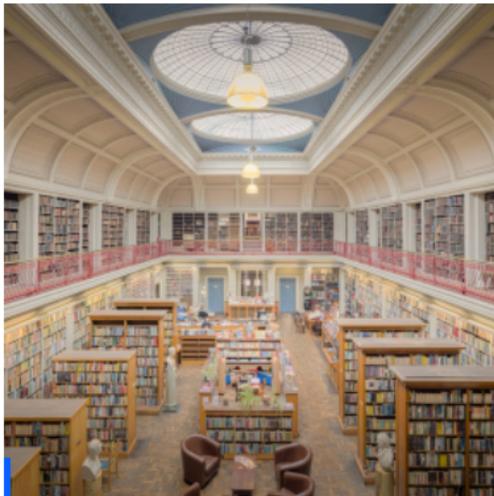
Accueil › Actualité

Le CNRS s'émancipe du Web of Science

01 décembre 2025

INSTITUTIONNEL

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À partir du 1er janvier 2026, le CNRS coupera l'accès à l'une des plus importantes bases bibliométriques commerciales : le *Web of Science* de Clarivate Analytics, ainsi que les *Core Collection* et *Journal Citation Reports*.

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de renoncer à certains ler en 2025 ses

https://www.cnrs.fr/fr/actualite/le-cnrs-semancipe-du-web-science

AN ALTERNATIVE TO PROPRIETARY DATABASES ?

https://openalex.org/

BARCELONA DECLARATION ON OPEN RESEARCH INFORMATION
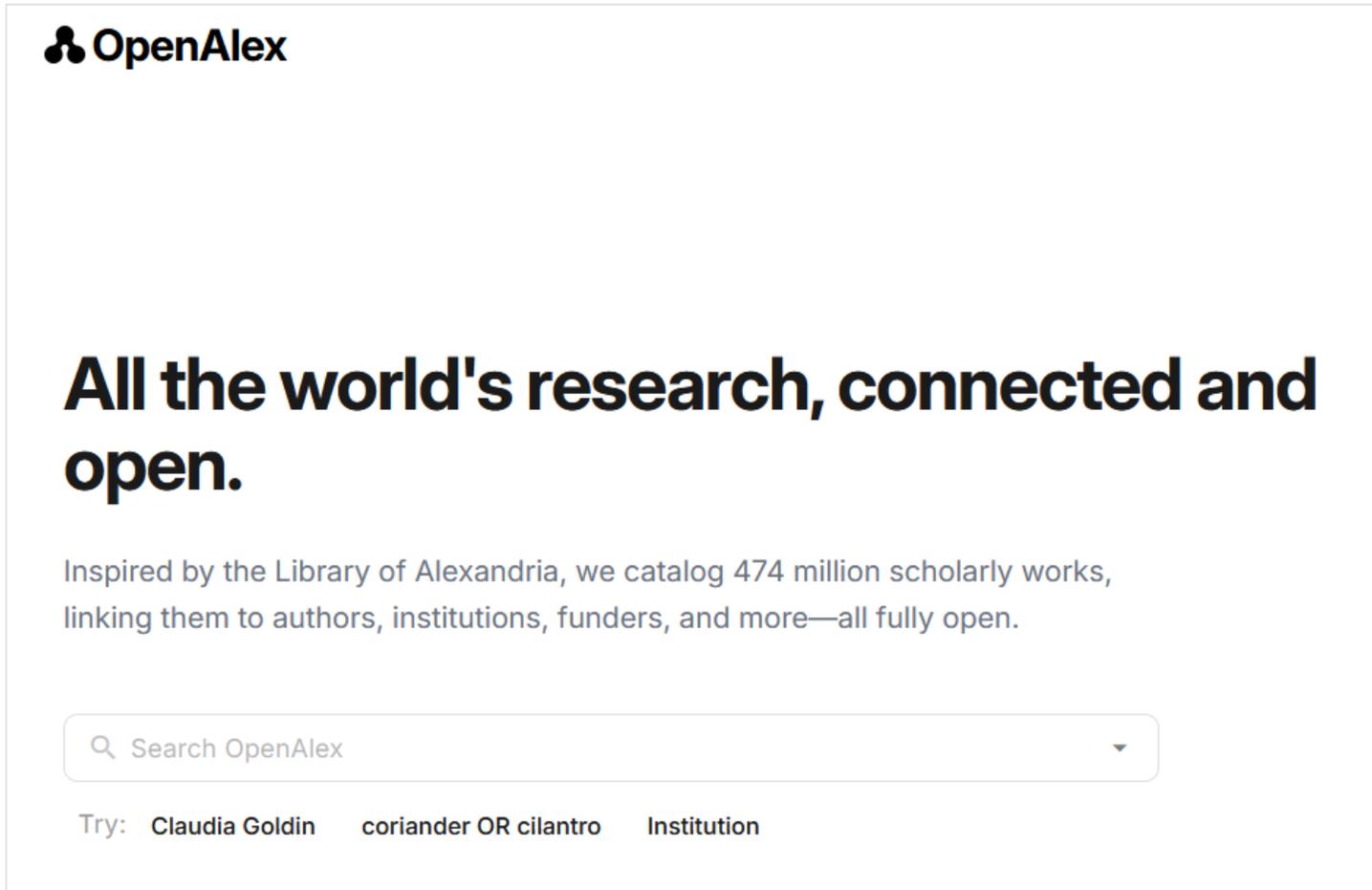
Commitment 1

We will make openness the default for the research information we use and produce

BARCELONA DECLARATION ON OPEN RESEARCH INFORMATION

Credits: Laurent Ardhuin

"Sorbonne University has strongly supported the move toward open science for many years and the implementation of open research practices and principles in all their dimensions within its community. Beyond its benefits for researchers and research institutions, this next step towards open research information is also a civic engagement for a more open, responsible and trustworthy university."

Nathalie Drach-Temam

President, Sorbonne University

https://barcelona-declaration.org/

AI TOOLS FOR LITERATURE SEARCH

Guidance from
an university library

When using these tools for research, keep in mind the following:

- Each AI tool has a different knowledge base and the contents of these knowledge bases are generally not disclosed.

- In addition, AI tool providers often do not disclose if they derive their content from fee-based, subject-specific databases. Therefore, if you use AI tools for a literature search, we recommend that you also use library databases.

- Many AI tools do not include French-language sources. Therefore, French-language research content is not well represented in most AI tools.

- The sources are not vetted. Therefore, you should check these sources for accuracy and determine if they are appropriate for use as citable content.

- Many AI tool providers limit the functionality of their free AI applications. In order to gain access to their AI tools with full functionality, these providers generally require you to purchase credits or a subscription.

- The data privacy policies of most AI tool providers are generally not transparent. In addition, AI tool providers may not abide by EU data privacy policies as their servers are often outside of the EU.

Adapted from https://www.frankfurt-university.de/en/about-us/the-library/library-search-like-a-pro/ai-tools-for-literature-search/

LITERATURE REVIEW WITH AI

WILEY

Discover

Use AI in conjunction with your database search

Use AI to get initial suggestions for researchers and papers to investigate

Use AI to get oriented in unfamiliar research areas

Use AI to expand search terms

Verify

Independently verify sources and ensure citations and claims are accurate

Ask yourself if your search shows potential bias toward dominant perspectives

Analyze

Read papers thoroughly to understand methodology and findings

Use AI to support identification of patterns or gaps across sources

Develop your own critical analysis and interpretation

Incorporate

Use AI to help organize themes from literature

Use AI to assess how well your literature review supports your arguments

Use AI for editing support and content polishing

If using AI to support drafting or editing, ensure your scholarly voice and analysis come through

https://www.wiley.com/en-fr/publish/article/ai-guidelines/#litreview

LITERATURE REVIEW WITH AI

How can I maintain literature review quality when using AI?

To maintain literature review quality when using AI, ensure that your work demonstrates authentic engagement with sources, accurate citations, and genuine scholarly analysis. Be mindful of these editorial standards and expectations:

- Read relevant primary sources yourself rather than relying solely on AI summaries for papers critical to your work
- Develop and present original analysis that demonstrates your scholarly engagement, with AI supporting rather than replacing your critical thinking
- Ensure all citations directly support the specific claims you're making in your manuscript
- Verify that every citation corresponds to an actual, accessible publication
- Confirm that cited sources make the arguments you attribute to them

Literature reviews serve a vital function in advancing knowledge by providing authentic scholarly synthesis and analysis. When your literature review demonstrates genuine engagement with sources and original critical thinking, it contributes meaningfully to the scholarly conversation and helps guide future research in productive directions.

To maintain engagement with established literature while using AI, ask yourself: "Am I still reading papers thoroughly? Do I understand the methodology and findings well enough to discuss them critically? Could I defend my interpretation of this literature in a scholarly discussion?" These questions help ensure you're using AI to enhance rather than replace your scholarly engagement.