1-9-2024

Meet scite, “ChatGPT for research”, a new Artificial Intelligence (AI) tool available via Clemson Libraries

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CLEMSON LIBRARIES

What can Scite do for you?

•Using scite, you can:

- discover and evaluate scientific articles via Smart Citations. Smart Citations allow users to see **how** a publication has been cited by providing:
  - the context of the citation
  - a classification describing whether it provides supporting or contrasting evidence for the cited claim.
- Ask questions and get well-cited answers from the full texts of research articles (via scite Assistant)

How does scite work?

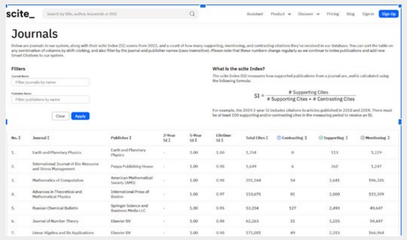
- Obtain documents from open access repositories and agreements with publishers
- Convert PDFs into machine-readable text
- Use Biblioglutton to match raw bibliographic references to Crossref
- Use deep learning (an AI method) to analyze and classify citations to determine the context ("Smart Citations")
- Utilize Large Language Models (LLM) backed by Smart Citations to minimize the risk of AI hallucinations and help researchers find and analyze quality information/REAL references

Coverage

•Dataset contains over 1.2 billion Citation Statements and 185 million full-text articles accessed through:

- indexing agreements with 22.7k publishers
- Open Access content

•Can see a full list of all journals covered at https://scite.ai/journals.



Understanding the "Badge"

Global Patterns in Students' Views of Science and Interest in Science
Ralf A. L. F. van Griethuijsen[1], M.W. van Eijck[2], Helen Haste[3] et al. 2014 *Res Sci Educ*

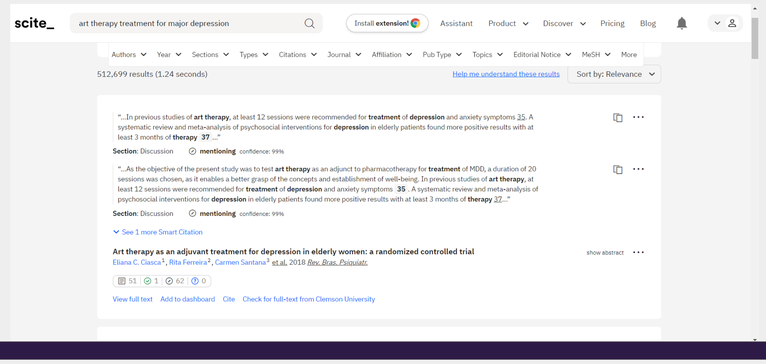
434 | 10 | 269 | 2

Key*	
434	# of publications citing this work
10	# of supporting citation statements about this work
269	# of mentioning citation statements about this work
2	# of contrasting citation statements about this work

*The badge will also show you retractions or withdrawals the article has received, if any, plus any editorial notices such as corrections, errata, and expressions of concern

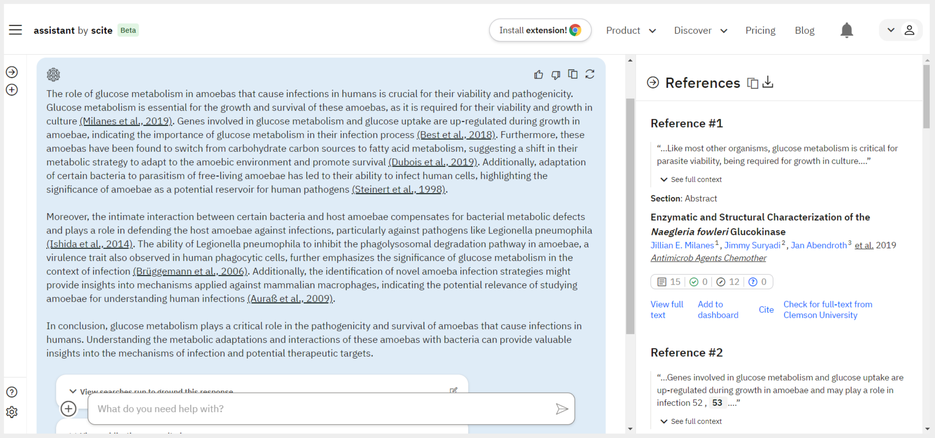
Scite Search Example

- Art therapy treatment for major depression

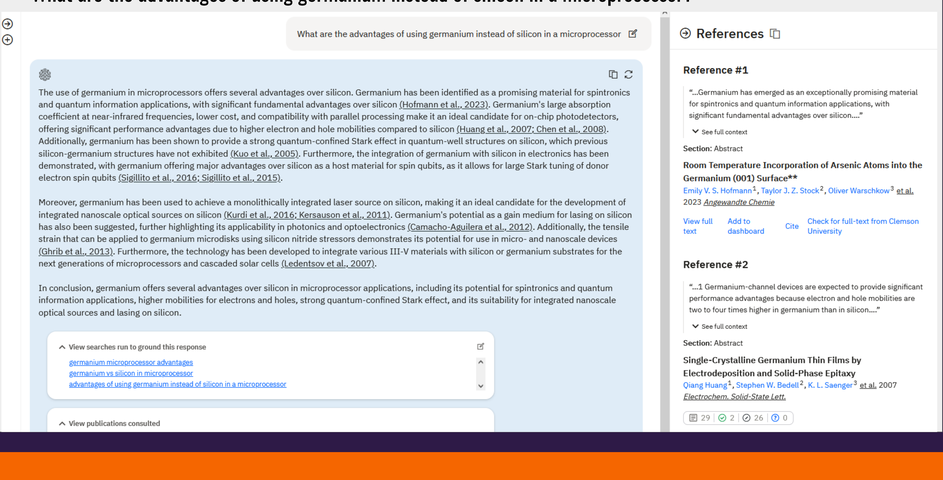


Scite Assistant Examples

- What is the role of glucose metabolism in amoebas that are known to cause infections in humans?



- What are the advantages of using germanium instead of silicon in a microprocessor?



Prompt Engineering

A prompt is a set of guidelines/instructions that you give to an AI system

Prompt engineering is the process of refining and editing a prompt to maximize output efficiency and accuracy to your needs. Example:

- "Give me information about how to **care for indoor herb plants**."
- "Give me information about best practices to care for indoor **basil plants**."
- "Give me information about best practices for **watering, sun exposure, and temperature control** for indoor basil plants."

Browser Extension

See a scite widget when reading journal articles:

Ask scite about what you read on the internet:

From scite:
"Maybe you're on reddit, or twitter, or somewhere on the internet and see someone make a claim that raises an eyebrow. Highlight it, right click and select "Ask scite.ai Assistant" to get answers to questions or surface information from research articles that might support or offer some disagreement from those claims"

Further Reading

Josh M. Nicholson, Milo Mordaunt, Patrice Lopez, Ashish Uppala, Domenic Rosati, Neves P. Rodrigues, Peter Grabitz, Sean C. Rife; scite: A smart citation index that displays the context of citations and classifies their intent using deep learning. *Quantitative Science Studies* 2021; 2 (3): 882–898. doi: https://doi.org/10.1162/qss_a_00146

Giray, L. (2023). Prompt Engineering with ChatGPT: A Guide for Academic Writers. Annals of Biomedical Engineering, 51(12), 2629–2633. https://doi.org/10.1007/s10439-023-03272-4

Kneusal, Ronald T. (2023). How AI Works: From Sorcery to Science. No Starch Press.

Ask Scite Assistant a Question, and tell us about your experience (via Google Jamboard): http://tinyurl.com/CUscite