

Humberto Espino presents

SEMANTIC SCHOLAR VS. GOOGLE SCHOLAR

Two academic search engines that utilize AI

SEMANTIC SCHOLAR

Is powered and created AI2, Allen Institute for Artificial Intelligence.

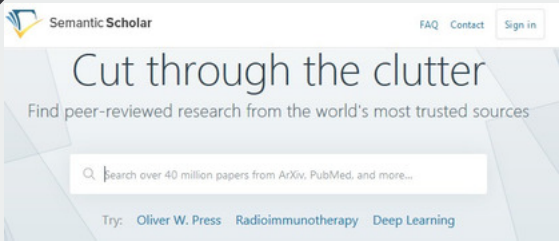


GOOGLE SCHOLAR

Is powered and created by Google.



SEARCH INTERFACE DESIGN



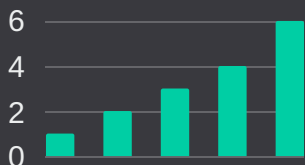
Simple design, search provides hints of how to search, as you type search engine provides keywords. The search tool for this engine seems easier to use.



Simple design, search provides two ways to search for either articles or case law, as you type search engine provides keywords. The search tool for this engine provides very little hints to search.

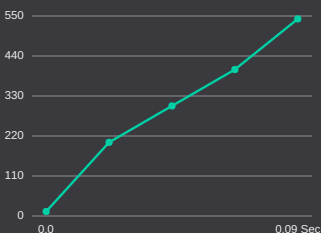
DR. LIWEN VAUGHAN

Searching for Dr. Liwen Vaughan, in semantic scholar provided results starting from 2001, with option of PDF file, citations, and transcripts. However, 6 total results in 1 page, not as much content as google. The analytic tools within each result are very useful.



DR. LIWEN VAUGHAN

Searching for Dr. Liwen Vaughan, in google scholar provided results starting from 2013, with a number of PDF files, citations, and transcripts. 539 total results in 10 pages, taking 0.09 seconds for the engine to retrieve this information.



SIMILARITIES

- Designed to enhance efficiency of scientific researches.
- Fast and reliable access to scientific literature.
- Provide free access to open access paper's PDF.
- Includes external link to purchase non-open access articles.
- Filter by publication date.
- Sort by relevance or date.
- extract core metadata from published papers.
- Save.
- Cite.
- Cited by.

GOOGLE SCHOLAR METRICS

Scholar Metrics summarize recent citations to many publications, to help authors as they consider where to publish their new research.

PROS AND CONS

- + Lower recall, higher precision
- + Aesthetic and intuitive search by publication date
- + Numerous filter options available:
Date, Author, publication
- + Sort capability for relevance
- Fewer search results
- No recent citation information listed in results
- Lacks advance search

PROS AND CONS

- + Higher recall, lower precision
- + Aesthetic and intuitive search by publication date
- + Numerous filter options available:
Date, Author, keyword, publication
- + Sort capability for relevance or Date
- + Links to Related Articles
- + Advance Search available
- Redundant search results
- Sorting by date only applies to articles
- Difficult to exclude articles
- Not all scholarly results