Semantic Scholar API

Providing a reliable source of scholarly data for CS Researchers

Semantic Scholar providing infrastructure for the research ecosystem is exciting as it enables partners like Litmaps to focus on creating great experiences for end users. We found the API and bulk data, clear and straightforward to use. The documentation, examples, and easy access to the raw data allowed us to move quickly on data integration, and get back to solving problems for our users.

Axton Pitt
Co-founder and CTO, Litmaps

Available APIs

Academic Graph Service
Data about authors, papers, citations, venues, and more that allows you to link directly to the corresponding page on Semantic Scholar for more information.

Recommendation Service
Recommended papers based on other papers.

Datasets Service
Downloadable links of datasets in the academic graph.

Conference Peer Review Service
Utilities to help conference organizers with the problem of assigning reviewers to conference submissions. Includes detection of conflict of interest, based on co-author relationships, and computation of a matching score between a reviewer and a submission's topic, based on the reviewer's publication history.

Launched in the last year

Autocomplete endpoint
To support interactive query-completion, return minimal information about papers matching a partial query.

New search facets
venue, publicationType, hasPDF, publication Date or Year and minCitationCount

API Status Page
Live and historical data on system performance and metrics.

TLDRs
Auto-generated summary from the SciTLDR model

All-CS KNN
Get recommended papers for lists of positive and negative example papers.

Incremental Datasets
Return a list of all the "diffs" that are required to catch a given dataset up from its current release to a newer one.

Paper Bulk Search
Download small sub-corpora of paper data. Allows matching and fetching up to 10,000,000 papers in batches of 1000

Specter 2 embeddings
The API serves pre-computed Proximity embeddings, appropriate for computing the similarity between documents.

Citations Dataset
A persistent identifier for citations, which is usable instead of or in addition to the combination of "citingcorpusid" and "citedcorpusid" if desired.

New sorting functionality
The bulk search method now allows sorting the results by publicationDate or citationCount.

Partners with 100+ Monthly Requests

84

283

October 2022

October 2023

Request an API Key

Platform Paper

Semantic Scholar provides free, AI-driven search and discovery tools, and open resources for the global research community.

The Allen Institute for AI is a non-profit, philanthropic institution with the mission of developing AI for the Common Good.

214 Million
Papers

2.49 Billion
Citations

79 Million
Authors