

Web of Science™ APIs

December 2022

The Web of Science Publication APIs complement our suite of RESTful Web of Science APIs to provide complete publication metadata from the Web of Science

Publication metadata



Web of Science Starter API
Support search and data integration using limited Web of Science data returned as JSON or XML



Web of Science API Expanded
Support search and data integration using full Web of Science data returned as JSON or XML

Publication metrics



InCites API
Support bibliometric analysis and integration of document-level metrics

Journal metadata/metrics



Web of Science Journals API
Support bibliometric analysis and integration of journal-level metrics

Researcher metadata/metrics



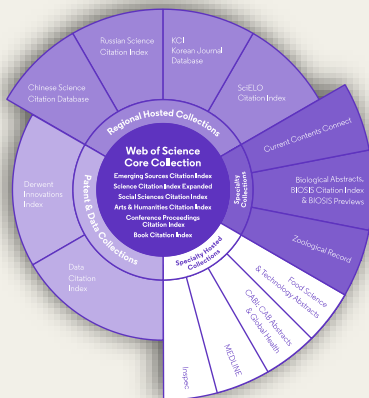
Web of Science Researcher API
Support bibliometric analysis and integration of researcher profile data

Coverage

WoS Starter API

Includes the following data sources:

- Web of Science Core Collection
- BIOSIS family (BCI, BIOABS, BIOSIS)
- Current Contents
- Data Citation Index
- Derwent Innovations Index
- Medline
- Zoological records (ZR)
- All Databases



WoS API Expanded

Includes the following data sources:

- Web of Science Core Collection
- BIOSIS family (BCI, BIOABS, BIOSIS)
- CAB International
- Current Contents
- Data Citation Index
- Derwent Innovations Index
- FSTA
- INSPEC
- Medline
- Regional content
- Zoological records (ZR)
- All Databases

Data fields

WoS Starter API

Authors, RID, Author keywords, Document type, Title, Issue, Pages, Publication date, Source title, Volume, DOI, ISBN, ISSN, PMID, Times cited

WoS API Expanded

WoS Starter fields + Author addresses/affiliations, Grants, Funding organizations, Publisher, Citing articles, Cited references, Organization enhanced, ORCID, Citation topics, Subject categories, Citation context, Author position, Corresponding author

API usage

- GET/POST query for all publications using WoS advanced search field tags
- GET cited references and citing articles
- GET times cited counts
- GET WoS UTs to quickly identify new publications for your collection

Queries:

Boolean AND/+, OR and NOT operators are supported, along with '*' wildcards. Queries can be filtered by values, ranges, and dates.

See <https://developer.clarivate.com/apis/wos> and <https://developer.clarivate.com/apis/wos-starter> for more information

Example use cases

Integrate these APIs to maintain and export high-quality full item-level metadata and times cited counts of Web of Science documents.


- **Publishers and editors** - Understand how your articles are performing and benchmark or analyze citation networks against others in their discipline.
- **Librarians** - Understand which articles are the most important to your institution's and researcher's success.
- **Researchers** - Guide to discover and select the most appropriate articles to read and compare your research findings in.
- **Research managers and information analysts** - Track bibliometric and citation patterns to support strategy and funding decisions, as well as highlight your institution's impact on the research community.

InCites Benchmarking & Analytics™ API


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The InCites API complements our suite of RESTful Web of Science APIs to provide complete document-level metrics from InCites

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InCites API

Includes the following data sources:

- Science Citation Index Expanded
- Social Sciences Citation Index
- Arts & Humanities Citation Index
- Conference Proceedings Citation Index (SCI & SSH)
- Book Citation Index (SCI & SSH)
- Emerging Sources Citation Index



Web of Science™ Core Collection
Science Citation Index Expanded
Social Sciences Citation Index
Arts & Humanities Citation Index
Emerging Sources Citation Index
Conference Proceedings Citation Index
Book Citation Index

Key features

Includes the following data sources:

- Reliable citation indicators
- Global evaluation schema
- Collaboration indicators
- Open access indicators
- Citation Topics
- Trend analysis
- Institutional profiles

API usage

- GET metrics by institution ID endpoint
- GET metrics by UT endpoint
- Set global evaluation schema for regional context
- Harvest SDGs and Citation Topics

Queries:
Search by WoS accession number (UT) to get document-level metrics
See <https://developer.clarivate.com/apis/incites> for more information

Example use cases

- **Library:** publication repository updates, metrics for institution papers
- **Research management:** benchmark, collaborations, citations, integration with CRIS
- **Research:** Retrieve metrics and citation topics for bibliometrics studies

Data fields

- Times Cited
- Document Type
- Journal Impact Factor
- Highly Cited/Hot Paper
- Collaboration indicators (International, industry, Institution)

- Open Access type (DOAJ Gold, Other Gold, Green Published, Green Accepted, Bronze)
- Normalized metrics (Category Normalized Citation Impact (per category), Journal Normalized Citation Impact)
- Percentile per category

Web of Science™ Journals API

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The Journals API complements our suite of RESTful Web of Science APIs to provide complete journal metadata and metrics from the Journal Citation Reports

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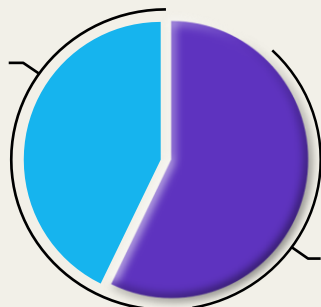
Coverage

21,000 +

journals covered*

Includes the sciences (SCIE), social sciences (SSCI), and now both the arts & humanities (AHCI) and emerging sources (ESCI)

*From July 2022



All Web of Science Core Collection™ Journals

12,000 +

have a **Journal Impact Factor™ (JIF)**
SCIE and SSCI

A new normalized journal metric*

Journal Citation Indicator

calculated for all Web of Science Core Collection journals, along with:

- Journal name & ISSN/eiSSN
- Category and rank
- Total cites
- Immediacy Index
- Journal Impact Factor™
- 5-year JIF
- JIF quartile
- Average JIF percentile
- Eigenfactor and Article Influence score
- Cited/citing half-life
- Citable items
- Open access
- Source data counts

Example use cases

Integrate with internal systems

For example, to pass Journal Impact Factors (JIFs) and Journal Citation Indicators (JCIs) to journal web pages

Bibliometric studies

Access and retrieve core journal metrics for entire categories of groups and journal to include in analyses

API usage

Journal

- Query for all journals or by journal ID
- GET cited and citing journals
- GET journal metrics

Category

- Query for all categories or by category ID
- GET cited and citing categories
- GET category metrics

Queries:

Boolean AND/+, OR and NOT operators are supported, along with '*' wildcards. Queries can be filtered by values, ranges, and dates.


See <https://developer.clarivate.com/apis/wos-journal> for more information.

Web of Science™ Researcher API


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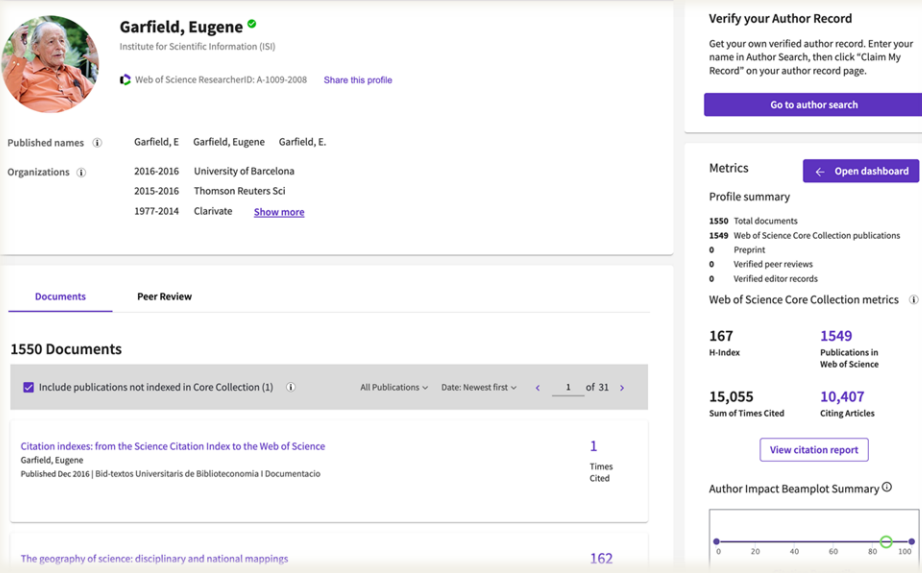
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Web of Science Author Records



See <https://developer.clarivate.com/apis/wos-researcher> for more information on the Researcher API.

See [Web of Science Researcher Profiles](#) for more information on Author Records in Web of Science.

API usage

Researchers

Researcher data and metrics

- GET `/researchers` Search researchers
- GET `/researchers/{rid}` Get detailed information for a Researcher
- GET `/researchers/{rid}/peer-reviews` Get peer reviews list for a researcher
- GET `/researchers/{rid}/documents` Get documents published by a researcher

Queries:

Operator/Attribute:

- **FirstName**
- **LastName**
- **ResearcherID or RID**
- **ORCID**
- **Organization or OG:** Organization Enhanced Name (currently only primary affiliation)
- **Topic or TS:** Title, Abstract and Keywords

Attribute filtering possible with = (equals), ~ (includes), and ! (not)

Example use cases

- Harvest RIDs for your organization (primary affiliation only)
- Pull H-index, along with other metrics, for your researchers at your organization
- Populate researcher profiles
 - Internal use cases, e.g. pre-populate FAR, CRIS etc
 - Seed external profiles, e.g. VIVO
- Get latest researcher metrics
 - Populate FAR with metrics
 - Display researcher-focused data on university site
- Find and track output of leading researchers within a topic