WEB OF SCIENCE

For Academic and Research Excellence

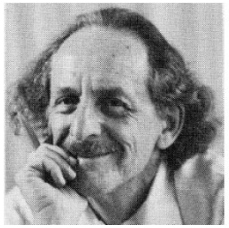
Web of Science
Trust the difference

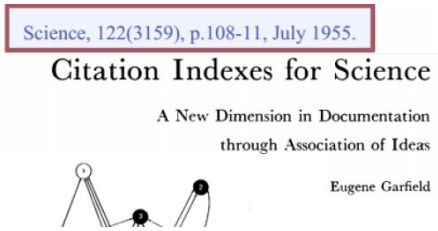
Clarivate
Analytics

Why use Web of Science: Use Cases

- Conducting Scientific Literature Review
- Discovering the most impactful research and emerging trends
- Performing research performance evaluations
- Uncovering potential collaborators
- Identifying quality journals
- Powering Rankings

50th Anniversary of Citation Indexing



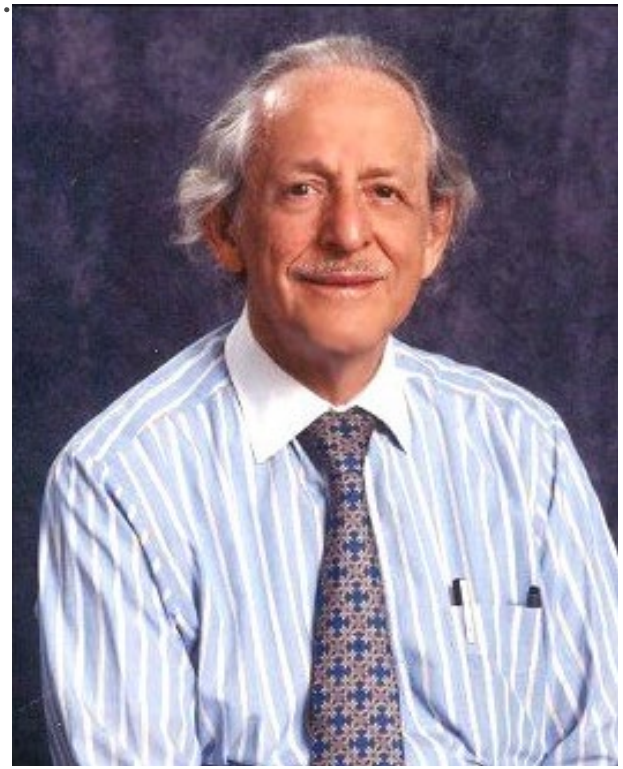


1964

Original Science Citation Index (SCI) is made commercially available to the research community.

50th Anniversary
Science Citation Index

2014



Dr. Eugene Garfield

WEB OF SCIENCE™ EVERYWHERE

Quick, powerful access to the global research ecosytem, using the world's leading core, emerging, and regional citation databases.

WEB OF SCIENCE CORE COLLECTION

>12,500 highest impact journals
>170,000 conference proceedings
>70,000 books

A detailed map to over a century of discovery and innovation (1900-present) in the sciences, social sciences, and arts & humanities

RESEARCH ADMINISTRATOR – A trusted data source to identify top researchers and benchmark your institution vs. peers

REGIONAL CITATION INDEXES
Fully curated regional content from researchers in emerging economies (China, Latin America, Korea, Russia), searchable alongside Core Collection

PUBLISHER – Important regional and emerging titles discoverable alongside established, top-tier journals

RESEARCHER – Understand your impact, identify trends, and find new collaborators and funders across disciplines and regions

EMERGING SOURCES CITATION INDEX
4,183 journals, 45% Open Access; 2,105 journals are discoverable, citable, and under consideration for inclusion in the Core Collection insight into journal citation performance

FUNDER – Identify emerging fields and topics of regional importance to support your research assessment and analysis

The Web of Science is built on the belief that quality, consistency, and dedication will build the best tools.

The most meticulously indexed research discovery tool in the world, Web of Science is the only true citation index, allowing users to search deeply and trace the history of discovery and innovation using more than 1 billion manually curated and unified cited references spanning over 115 years.

EXPLORE the most highly cited and impactful literature in your field, as well as important titles in emerging areas of interdisciplinary research.

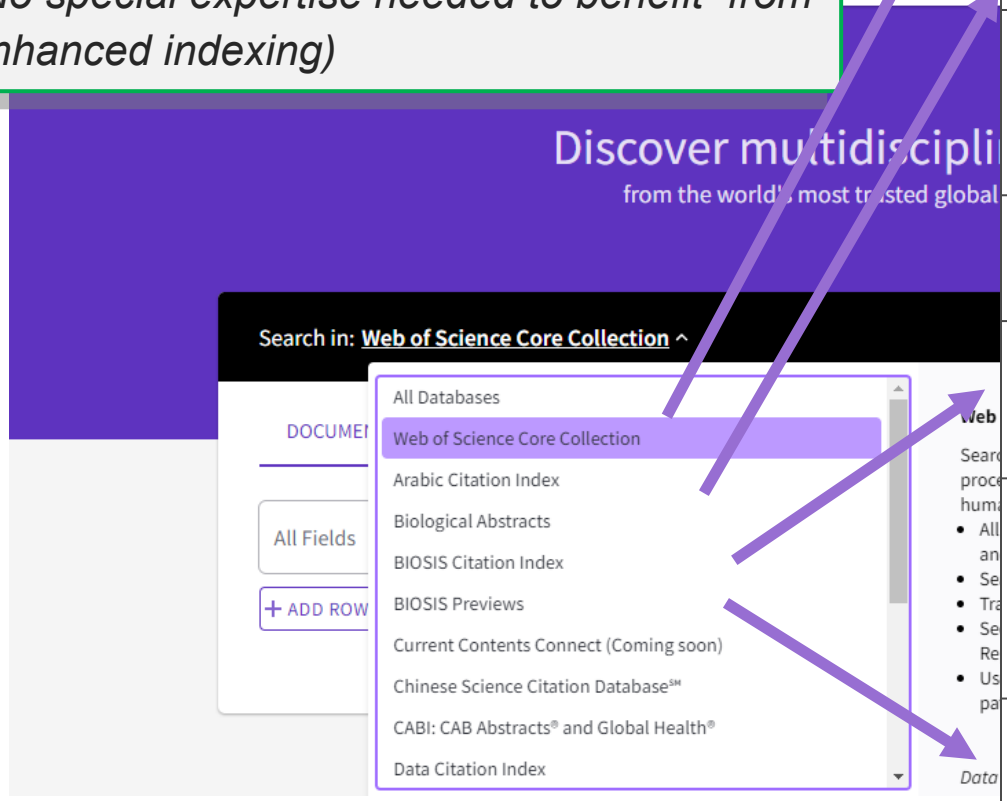
MEASURE IMPACT with benchmarking tools and business information systems; get the data you need to analyze your impact, understand your value, and make strategic decisions.

UNCOVER hidden connections in the literature through citations. Realize seminal discoveries and follow them forward to the most recent outcomes. Use the unique citation network to power your discovery.

IDENTIFY the most prolific and influential papers, authors, and institutions in your discipline.

Clarivate Analytics
Where we begin
The Core. The Foundation.
Science Citation Index
Social Sciences Citation Index
Arts & Humanities Citation Index
Conference Proceedings Citation Index (Science & Social Sciences)
Books Citation Index (Science & Social Sciences)
Emerging Sources Citation Index
Zoological Record
BIOSIS Citation Index
SciELO Citation Index
Chinese Science Citation Database
Russian Science Citation Index
Current Contents Connect
MEDLINE
Data Citation Index
Korean Journal Database
Derwent Innovations Index

Topic searches apply against fields from <u>all</u> records
(No special expertise needed to benefit from enhanced indexing)



Web of Science Core and Regional CI's	Title Abstract Author Keywords KeyWords Plus® in Core
BIOSIS databases	Title, Foreign Title Abstract Major Concepts, Concept Code(s) Taxonomic Data, Disease Data, Chemical Data, … Miscellaneous Descriptors
Zoological Record	Title, Book Title Abstract Broad Terms Descriptors Data Super Taxa, Systematics, Taxa Notes
Derwent Innovations Index	Title Abstract Equivalent abstracts *Title terms*
Inspec	Title Abstract Controlled Indexing, Uncontrolled Indexing, Original Indexing Classification Code(s)
CABI	English Title, Foreign Title Abstract Descriptors, Broad Descriptors, Organism Descriptors Geographic Location Identifiers CABICODE Names
Food Science and Technology Abstracts	Title, Foreign Title Abstract Keywords Descriptors Headings Commercial Names
MEDLINE	Title, Vernacular Title Abstract, Other Abstract MeSH Terms Keyword List Chemical, Gene Symbol, Personal Name Subject, Space Flight Mission

The Web of Science platform: Record counts by source

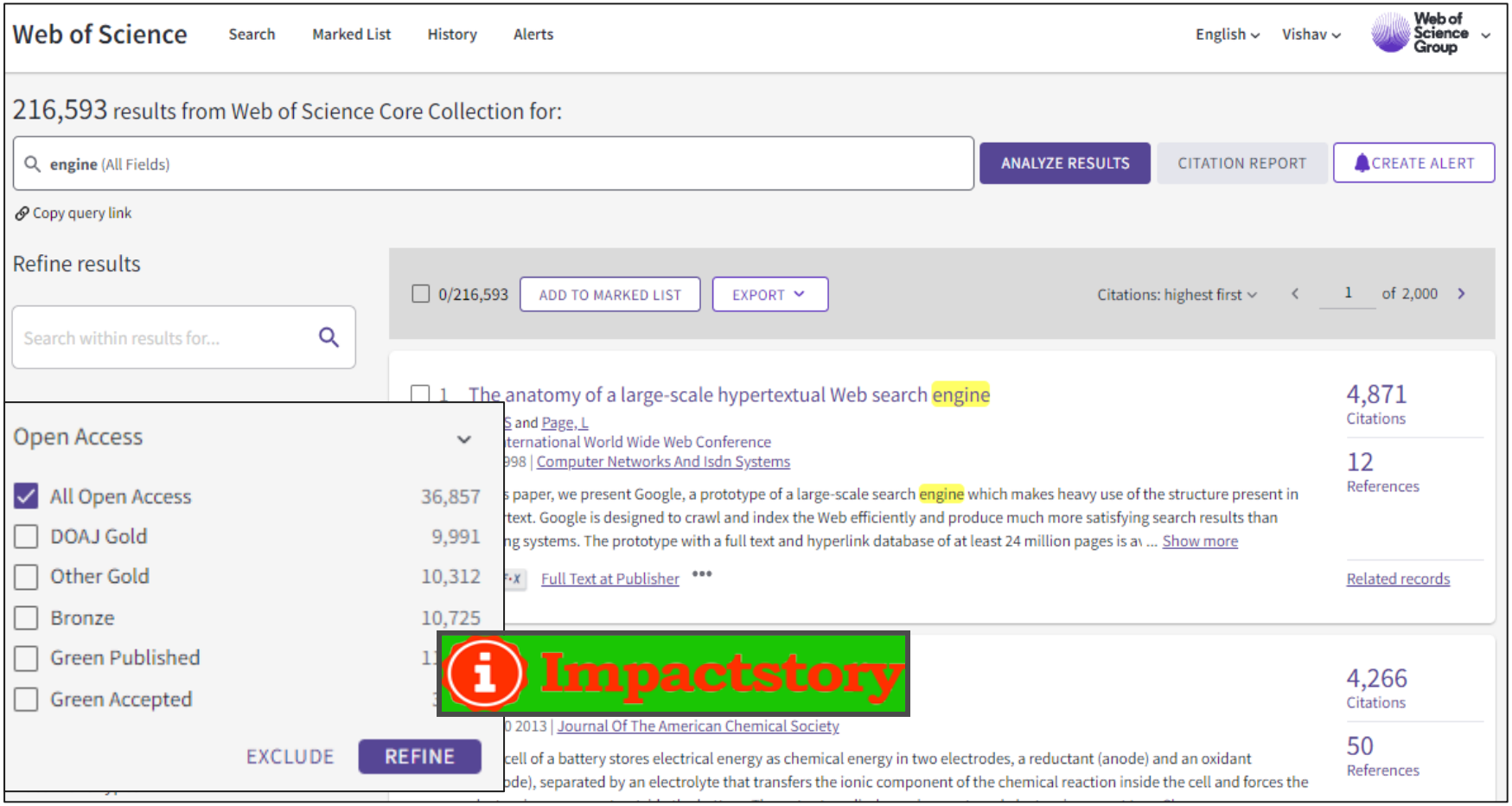
SCIENCE CITATION INDEX EXPANDED 1900-present 56.8 million	**SOCIAL SCIENCE CITATION INDEX** 1900-present 10 million	**ARTS & HUMANITIES CITATION INDEX** 1975-present 5.1 million	**EMERGING SOURCES CITATION INDEX** 2005-present 3.5 million
CONF. PROC. CITATION INDEX 1990-present 8.5 million	**BOOK CITATION INDEX** 2005-present 1 million	**CURRENT CHEMICAL REACTIONS** 1985-present 235,500	**INDEX CHEMICUS** 1993-present 400,000
DATA CITATION INDEX 1900-present 10 million+	**BIOSIS CITATION INDEX** 1926-present 29.2 million	**ZOOLOGICAL RECORD** 1864-present 4.5 million	**DERWENT INNOVATIONS INDEX** 1963-present 93.8 million
MEDLINE 1950-present 31.8 million+	**REGIONAL CITATION INDEXES** **SciELO CITATION INDEX** 2002-present 795,000 **KCI KOREAN JOURNAL DATABASE** 1980-present 1.6 million **RUSSIAN CITATION INDEX** 2002-present 704,000+		**HOSTED CONTENT** (Chinese SCD, CABI, Inspec, FSTA) as far back as 1898 31 million additional

■ = Core Collection

□ = With platform bundle

Revised Feb 2016

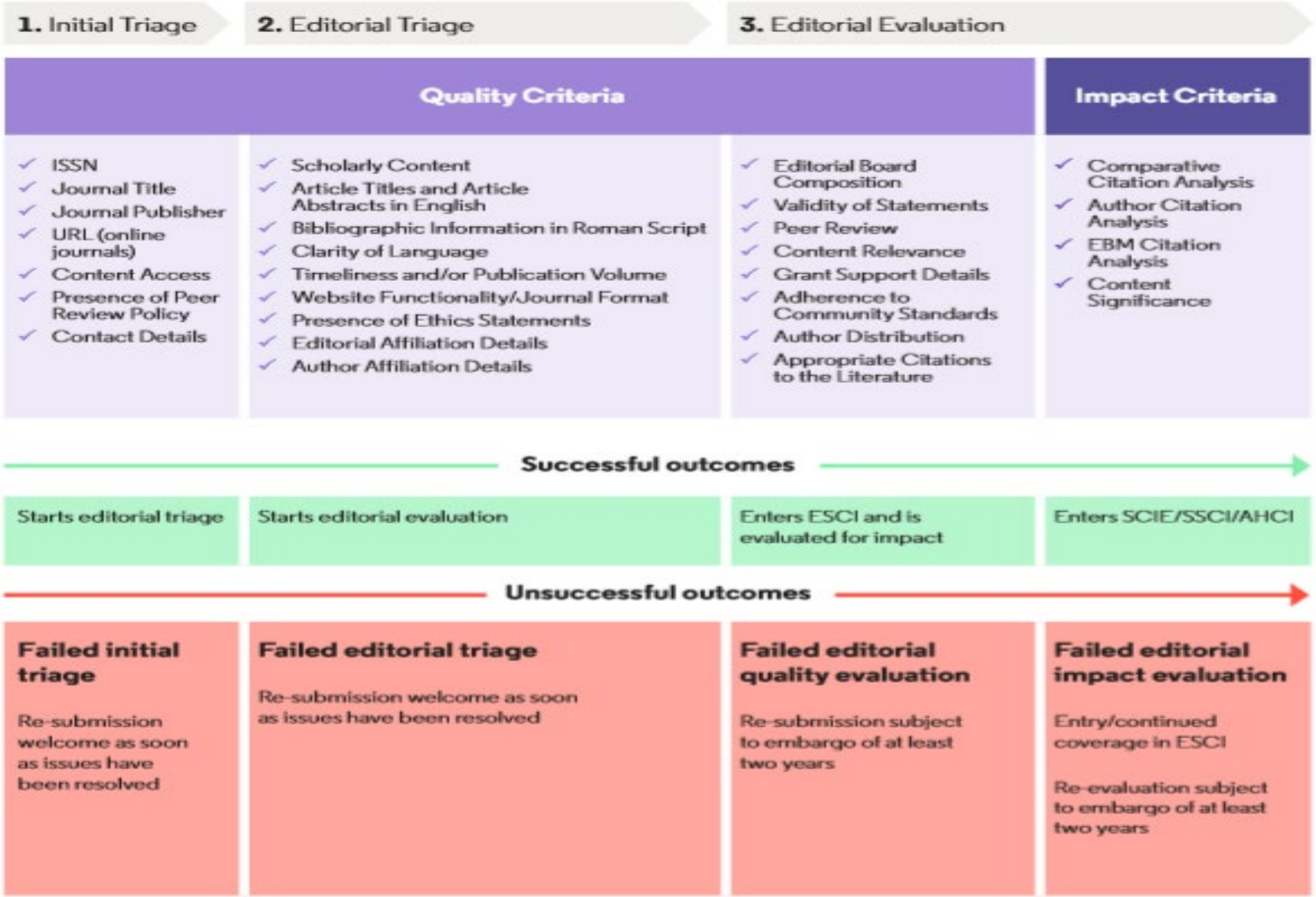
Milestones added to Web of Science:
Increase in Open Access content with Impactstory



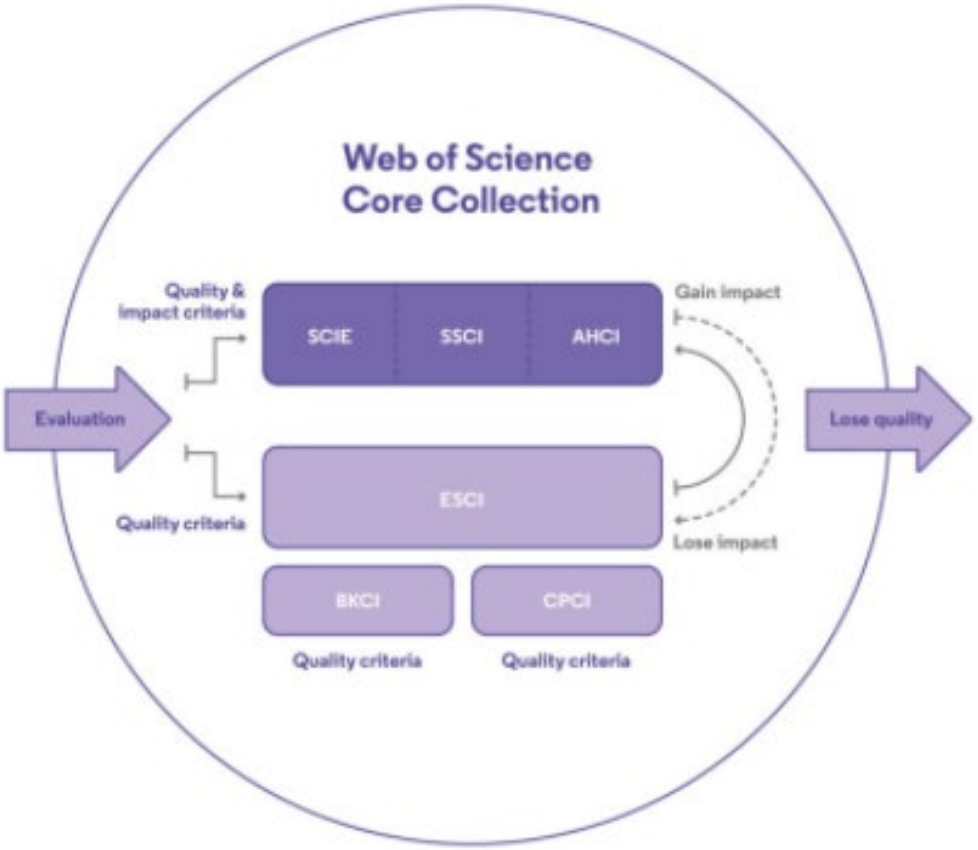
Web of Science
Trust the difference

Clarivate Analytics

Web of Science Core Collection
Journal Evaluation Process



Web of Science Core Collection
Journal Evaluation Process



https://clarivate.com/webofsciencegroup/journal-evaluation-process-and-selection-criteria/

Editorial Team

- **Uniformity of judgment**
- Continuous checking during different process steps for monitoring current content

- Around 150 years (overall) of experience in their roles
- 12 master's degrees
- Full time positions

No conflicts of interest

No national boards.
Regional publications covered with a slightly different strategy.

See REGIONAL INDEXES

“Knowledge is cumulative, and every groundbreaking discovery is determined to a large extent by the discoveries that came before it.”

— — *Frederic Lawrence Holmes* .Chair of the Section of History of Medicine at the medical school .*Yale University. Yale Bulletin and Calendar, Volume 29, 2000*

Why use Web of Science

The Use Cases

Why use Web of Science: Use Cases

Literature Review

- Search & discovery using various searching and refining techniques
- Review the citations received and references used
- View the ‘Related Records’ to find similar papers having common references

Why use Web of Science: Use Cases

Knowing about latest/emerging trends in research

- Find out the most 'Highly Cited' papers in a research domain
- Get to know the 'Hot Papers' (recent papers) in your research domain

Why use Web of Science: Use Cases

Perform research evaluations

- Capability to analyze a search result and perform various evaluations to identify:
    - Top organizations
    - Top funding agencies
    - Top journals
    - Top authors (Researcher ID, ORCID) etc.
- From one analysis to another, deep dive into any result to get more details

Why use Web of Science: Use Cases

Uncover potential collaborators/co-authors

- Useful especially for niche/unique research areas, using ‘related records’
- Helps you navigate backward and forward in time to get to relevant papers using citations and references
- Get the contact details of authors in desired research domain
- Have a look at the 'Citation Report' to validate your choice of co-author and draw conclusions

Why use Web of Science: Use Cases

Identifying quality journals in your research domain

- Impact factor, Rank and Quartile (Q1, Q2, Q3 and Q4) in a category helps you determine the quality of a journal
- The selection criteria at the time of indexing journals ensures that no predatory journals get indexed

Why use Web of Science: Use Cases

Export records from Web of Science to other formats

- Search results from ‘Web of Science’ can be exported to other file formats like excel, html etc. for further analysis
- Ability to export results to InCites helps in analyzing the results creating charts and graphs
- Search results can also be exported to EndNote for managing citations and references

Why use Web of Science: Use Cases

Track an organization's research output

- An organization can be represented by many name variations making it difficult to get the research output
- Use of ‘Affiliation' feature to effectively deal with name variations

Vishav Sharma, Regional Solutions Consultant
vishav.sharma@clarivate.com | clarivate.com