Identify, measure, and benchmark top performing research with Journal and Highly Cited Data

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Customer Success

Session Objectives

At the end of this training session, you will be able to:

- **Identify journals that meet your publishing criteria using a range of journal metrics**

- **Describe the performance, composition and contributors of a journal with Journal Profiles**

- **Compare up to 4 journals**

- **Discover journals related to your manuscript using Manuscript Matcher**

- **Discover highly cited publications in a topic**

- **Identify highly cited organisations in a field of research**

- **Identify your organisations top cited fields of research and compare your position to the rest of the word in a specific field**

- **Benchmark the impact of your published research to similar research using Citation Thresholds**

Journal Citation Reports

Journal Citation Reports™
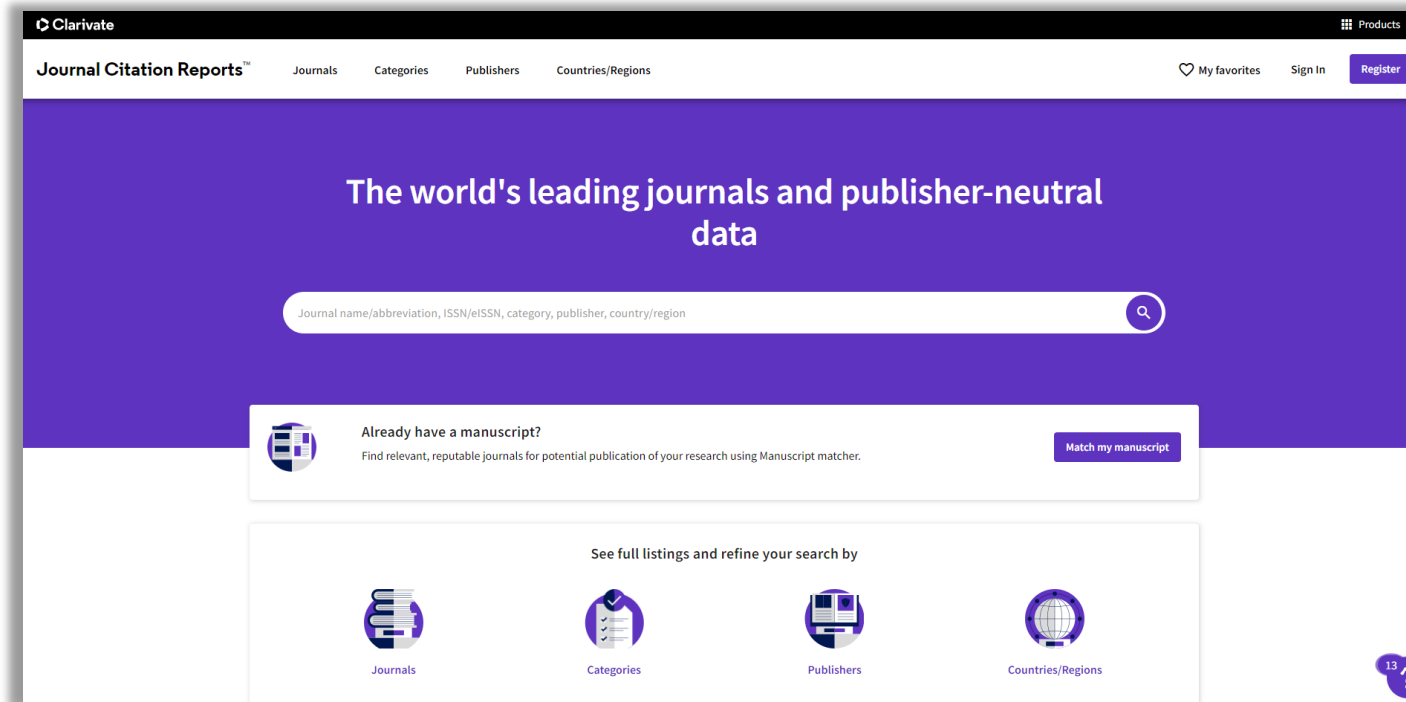
Journal Citation Reports™ (JCR) provides you with the transparent, publisher-neutral data and statistics you need to make confident decisions in today's evolving scholarly publishing landscape, whether you're submitting your first manuscript or managing a portfolio of thousands of publications.
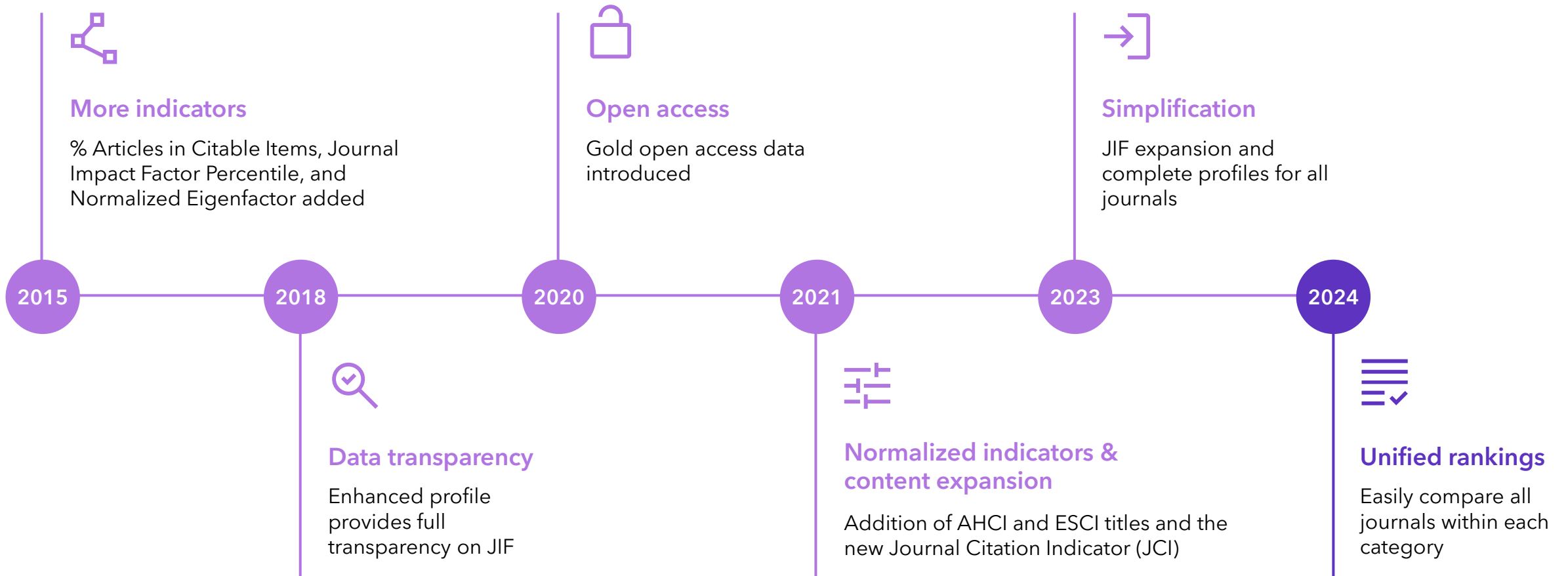
Quickly understand a journal's role within and influence upon the global research community by exploring a rich array of citation metrics, including the Journal Impact Factor™ (JIF), alongside descriptive data about a journal's open access content and contributing organisations and countries .

How is Journal Citation Reports™ is used

The Journal Impact Factor™ (JIF) was originally developed by Drs. Eugene Garfield and Irving H. Sher as a metric to aid in selection of additional journals for the newly created Science Citation Index™ (1960's)

- Librarians continue to use the Journal Citation Reports™ (JCR) as a tool in building and managing their journal collections.

- Publishers use the JCR to gauge journal performance and assess their competitors.

- Researchers use the JCR to identify appropriate journals for publication of their work based on many characteristics.

Clarivate™

Evolving the JCR to enhance responsible journal evaluation

2015 — More indicators
% Articles in Citable Items, Journal Impact Factor Percentile, and Normalized Eigenfactor added

2018 — Data transparency
Enhanced profile provides full transparency on JIF

2020 — Open access
Gold open access data introduced

2021 — Normalized indicators & content expansion
Addition of AHCI and ESCI titles and the new Journal Citation Indicator (JCI)

2023 — Simplification
JIF expansion and complete profiles for all journals

2024 — Unified rankings
Easily compare all journals within each category

Clarivate's mission to uphold research integrity

ACADEMIA AND GOVERNMENT — FEBRUARY 16, 2024

2024 Journal Citation Reports: Changes in Journal Impact Factor category rankings to enhance transparency and inclusivity

DR NANDITA QUADERI
Senior Vice President & Editor-in-Chief, Web of Science
Clarivate

ACADEMIA AND GOVERNMENT — MARCH 20, 2023

Supporting integrity of the scholarly record: Our commitment to curation and selectivity in the Web of Science

DR NANDITA QUADERI
Senior Vice President & Editor-in-Chief, Web of Science
Clarivate

Blog link

Blog link

- Clarivate provides our customers with trustworthy intelligence to help them transform the world for the better.
- The need for high-quality data from rigorously selected sources is becoming ever more important as the scholarly record becomes increasingly polluted
- More than 50 journals already de-listed this year for failing to meet our quality selection criteria
- Only a fraction of journals pass our quality criteria (less than 15%)

Web of Science Core Collection

- **Science Citation Index Expanded**
- **Social Science Citation Index**
- **Arts & Humanities Citation Index**
- **Emerging Sources Citation Index**
- Book Citation Index
- Conference Proceedings Citation Index

Assess your research with trusted data used in major research evaluation initiatives

- 92M+ Records in total
- Publisher-neutral journal selection
- 2B+ linked citations
- 254 subject categories
- 22K+ high quality journals

- 18K+ disambiguated organizations
- 100% of author names and affiliations
- 14M+ publications with funding information
- 300K+ conference proceedings
- 140K+ books

Our primary sources are journals: NO third-party database is used
Consistent indexing policies since 1960's **=> Consistent Metadata => Consistent Analytics**
Used by major rankings and national evaluation exercises

Clarivate™

Journal quality selection criteria
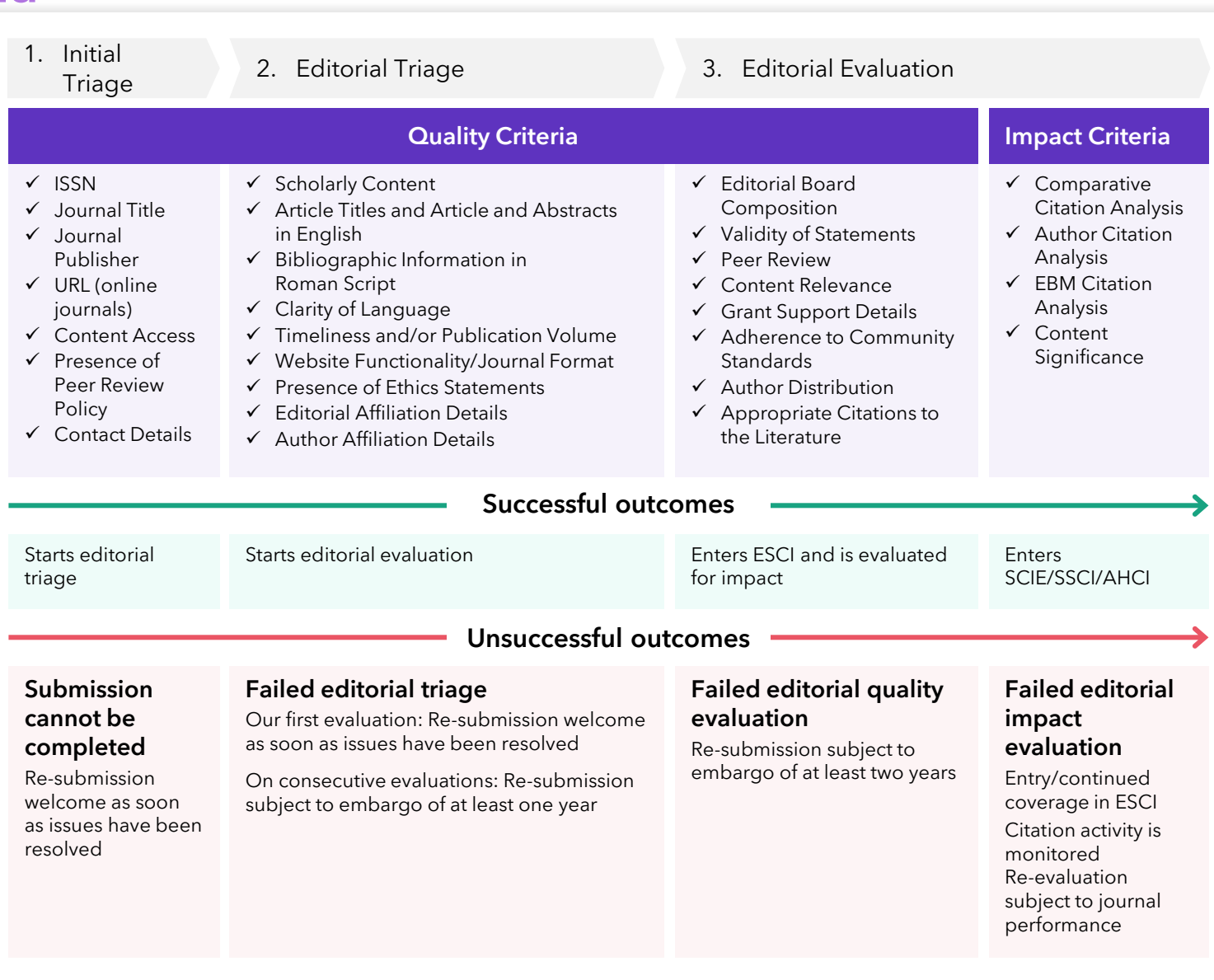
Quality & Impact

28
selection criteria

24
quality criteria to select for editorial rigor and publishing best practice

4
impact criteria to select for the most impactful journals

1. Initial Triage	2. Editorial Triage	3. Editorial Evaluation	
Quality Criteria			**Impact Criteria**
✓ ISSN ✓ Journal Title ✓ Journal Publisher ✓ URL (online journals) ✓ Content Access ✓ Presence of Peer Review Policy ✓ Contact Details	✓ Scholarly Content ✓ Article Titles and Article and Abstracts in English ✓ Bibliographic Information in Roman Script ✓ Clarity of Language ✓ Timeliness and/or Publication Volume ✓ Website Functionality/Journal Format ✓ Presence of Ethics Statements ✓ Editorial Affiliation Details ✓ Author Affiliation Details	✓ Editorial Board Composition ✓ Validity of Statements ✓ Peer Review ✓ Content Relevance ✓ Grant Support Details ✓ Adherence to Community Standards ✓ Author Distribution ✓ Appropriate Citations to the Literature	✓ Comparative Citation Analysis ✓ Author Citation Analysis ✓ EBM Citation Analysis ✓ Content Significance

Successful outcomes →

Starts editorial triage	Starts editorial evaluation	Enters ESCI and is evaluated for impact	Enters SCIE/SSCI/AHCI

Unsuccessful outcomes →

Submission cannot be completed Re-submission welcome as soon as issues have been resolved	**Failed editorial triage** Our first evaluation: Re-submission welcome as soon as issues have been resolved On consecutive evaluations: Re-submission subject to embargo of at least one year	**Failed editorial quality evaluation** Re-submission subject to embargo of at least two years	**Failed editorial impact evaluation** Entry/continued coverage in ESCI Citation activity is monitored Re-evaluation subject to journal performance

Journal Citation Reports 2024

What's new in this year's release

Journal Citation Reports 2024 annual release

2023 JCR data

21,848 **total journals**

14,090 Science journals

7,321 Social Sciences journals

3,304 Arts & Humanities journals

544 titles with first time JIF

5,871 Gold Open Access journals

113 countries worldwide

254 subject categories

17 journals have had their JIF suppressed

Journal Impact Factor (JIF) expansion (2023)

Building complete journal profiles for all editorially selected titles

Summary

- All Web of Science Core Collection journals receive a JIF
- JIF is displayed to one decimal point
- JIF remains a selective metric
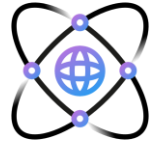
Impact

- Simplification
- More data
- More journal and publisher representation
  - More open access coverage
  - More global representation

Benefits

- Increases the impact of your existing subscriptions by enhancing journal profiles
- Helps researchers make more informed publication decisions
- Simplifies collection management
- Enables deeper journal impact analyses

JCR 2024 release: consolidated categories

Explore journals in the same discipline more easily

2023 JCR to 1997 → **2024 JCR and beyond**

While journals indexed in AHCI and ESCI receive a JIF from the 2022 release in June 2023 onward, journals in the 25 arts & humanities categories will not receive ranks, quartiles, or percentiles.

Offering a wide array of metrics for journal evaluation
Complementary metrics: Journal Citation Indicator (JCI) and Journal Impact Factor (JIF)

Journal Impact Factor (JIF)

Citations from all documents in this year...

| 2018 | 2019 | **2020** | **2021** | **2022** | 2023 |

...to items in the journal published in these 2 years

Journal Citation Indicator (JCI)

Citations from all documents in these years...

| 2018 | **2019** | **2020** | **2021** | **2022** | 2023 |

...to citable items in the journal published in these 3 years
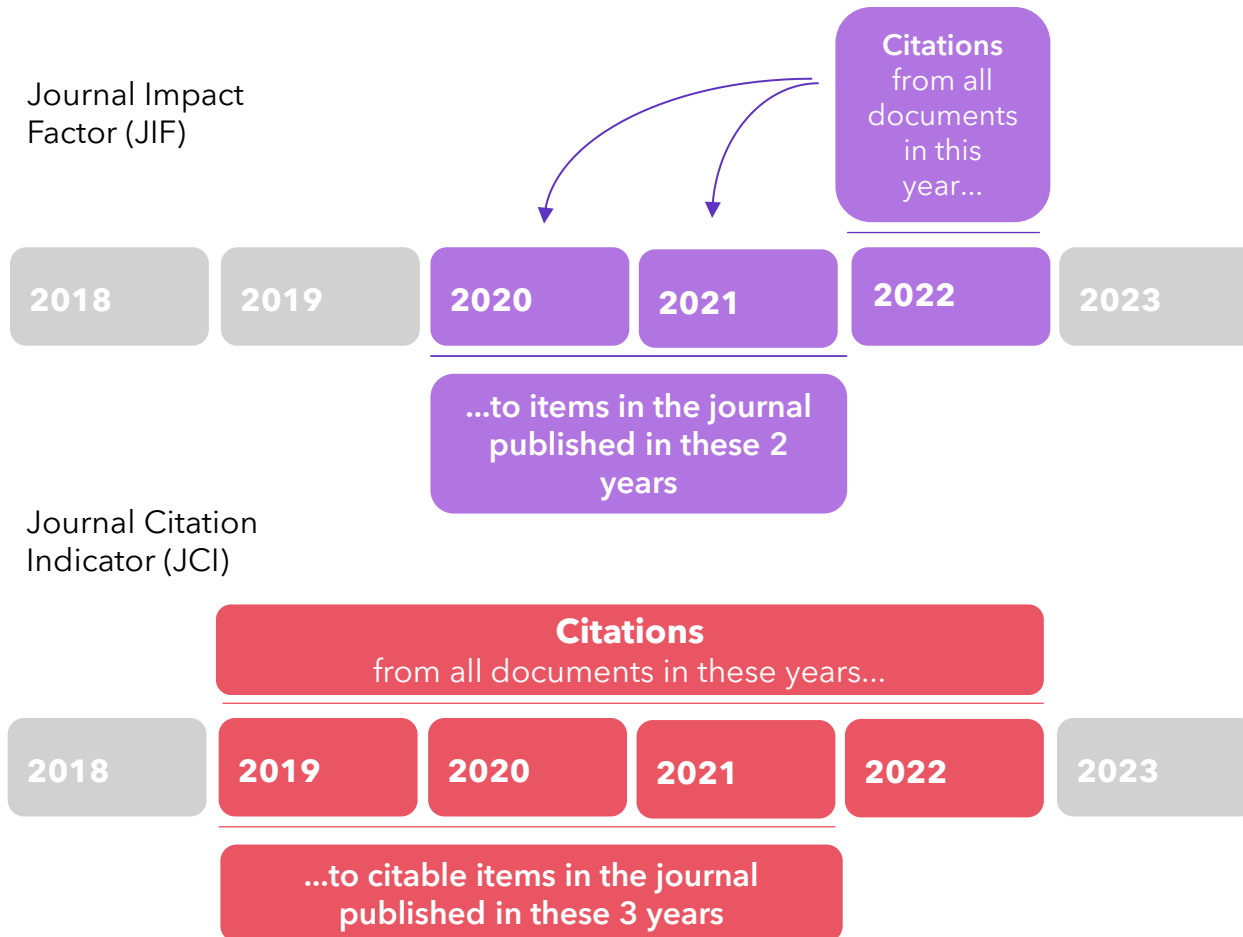
Feature	Journal Impact Factor	Journal Citation Indicator
All Web of Science Core Collection journals	Y	Y
Field-normalized citation metric	N	Y
Fixed dataset	Y	Y
Counts citations from the entire Core Collection	Y	Y
Counts citations from the current year only	Y	N
Includes Early Access (EA) content from 2020 onward	Y	Y
Includes unlinked citations	Y	N
Fractional counting	N	N

JCR 2024
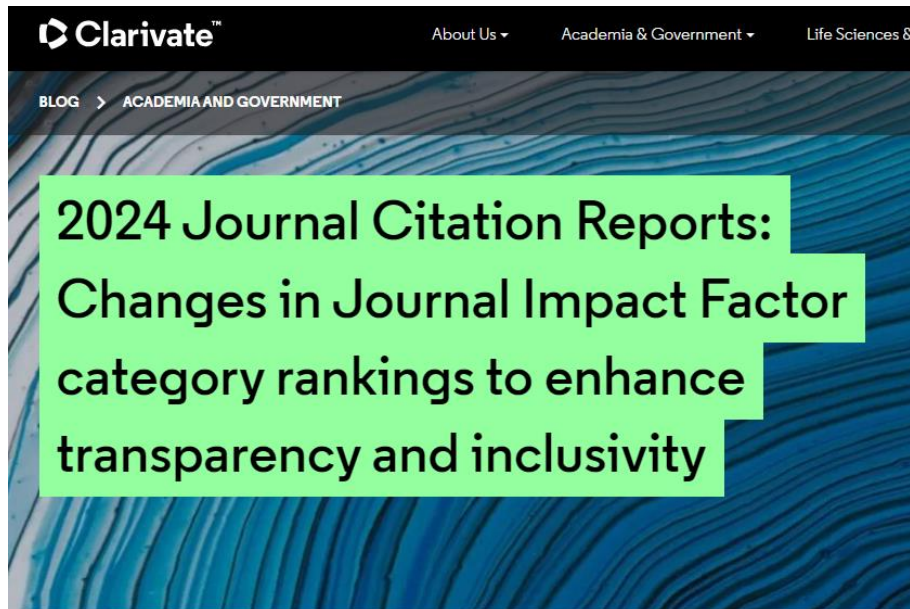
Essential Science Indicators

ESI data

Agricultural Sciences
Biology & Biochemistry
Chemistry
Clinical Medicine
Computer Science
Ecology/Environment
Economics & Business
Engineering
Geosciences
Immunology
Material Sciences
Mathematics
Microbiology
Molecular Biology & Genetics
Multidisciplinary ★
Neuroscience & Behavior
Pharmacology & Toxicology
Physics
Plant & Animal Science
Psychology/Psychiatry
Social Sciences, general
Space Science

- **Source:** Science Citation Index-Expanded (SCIE) and the Social Sciences Citation Index (SSCI) in Web of Science Core Collection.

- **Document Types**: ESI analyzes articles and reviews from SCIE and SSCI journals to determine how well a paper, organization, etc. is performing.

- **Depth of Data**: ESI data consists of a 10-year rolling file, which increases with each bimonthly update.

- **Fields**: ESI uses 22 broad disciplines to rank entities and identify top-performing papers. Each journal is assigned to only one field, and the research published in that journal will take on that field assignment (In the case of Multidisciplinary journals, reclassification is done at the paper level, based on an analysis of the cited references. This means that papers published in journals like *Science* and *Nature* could belong to fields that are more specific than Multidisciplinary)

- **Citation Counts:** Only citations from indexed journals in the Science Citation Index Expanded, Social Science Citation Index and Arts & Humanities Citation Index, are taken into account for ESI purposes.

Essential Science Indicators Key Data

12m

articles

12k+

journals

22

key research categories

11k+

research fronts

ESI Thresholds

Inclusion in ESI is dependent upon meeting certain citation thresholds. Only the most highly cited individuals, institutions, journals, countries and papers are included in ESI. This chart shows the citation thresholds that must be met in order to appear in ESI.

Entity	Citation Percentile	Data years examined
Researchers	1%	10
Institutions	1%	10
Countries	50%	10
Journals	50%	10
Highly Cited Papers	1%	10
Hot Papers	0.1%	2

All authors, institutions and countries on a paper are credited equally

How to Read This Table: This table shows you the citation performance threshold that an entity's research needs to meet in order for it to qualify as Highly Cited in a field. Data Years refers to the years examined - 10 means that the full ESI data file is considered. Percentiles are inverted, so 1% means that an entity is performing in the top 1% when compared to peers.

ESI Use Cases

See where science is going and who is leading the way

Monitor the scientific research landscape

Identify leading research

Find collaborators

Analyze and monitor top performing research in context

Direct links
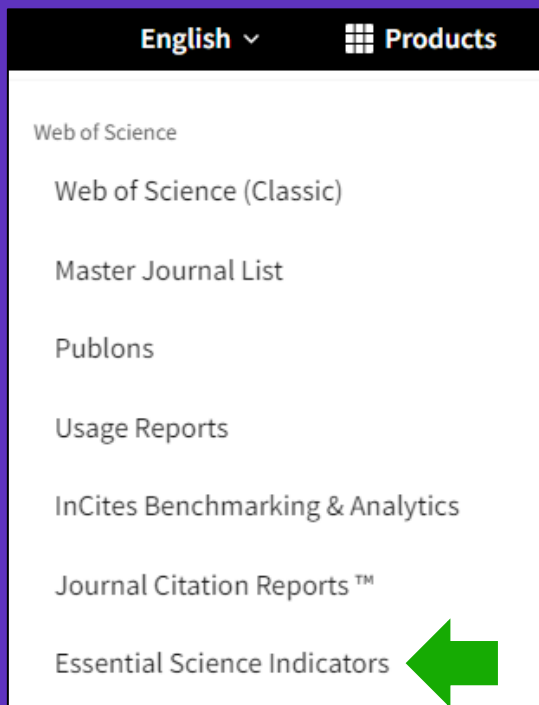
ONE SHARED ACCOUNT FOR ALL CLARIVATE SOLUTIONS

- Web of Science - http://www.webofscience.com/

- Journal Citation Reports - https://jcr.clarivate.com

- Essential Science Indicators - https://esi.clarivate.com

➢ On site access (IP range) – No credentials required

➢ Remote access – with VPN OR via your institution's proxy authentication page OR with your personal account (6 months roaming)

Why Essential Science Indicators?

Is your institution producing breakthrough research?

Highly Cited papers

Papers from the most recent ten years, which have reached the top 1% citation threshold for their designated publication year and subject category.

Hot Papers

Papers from the most recent two years, which have reached the top 0.1% citation threshold. This indicates an exceptionally high number of citations soon after publication.
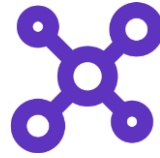
Research Fronts

Highly Cited Papers that have been co-cited, forming the leading edge of current research in 22 subject areas.

Essential Science Indicators (ESI) was created in 2001 to help you identify top-performing research in Web of Science Core Collection.

ESI surveys more than 12M records from over 12K+ journals from around the world to rank institutions, countries and journals in 22 broad fields based on publication and citation performance.

Highly Cited Paper Hot Paper

- **Highly Cited Papers** are papers that have received enough citations to place them in the top 1% when <u>compared to all other papers published in the same year in the same field</u>, i.e. 2008 Physics papers are only compared to other 2008 Physics papers to determine whether they have been cited enough to rank in the top 1%.

- For **Hot Papers**, only papers published in the last 2 years are considered. <u>Hot Papers are receiving citations quickly after publication. These papers have been cited enough times in the most recent bimonthly period to place them in the top 0.1% when compared to peer papers</u>. Peer papers are papers that were added to WoS Core Collection during the same bimonthly update and belong to the same field.