

Welcome

Understand and compare journal performance with contextual metrics



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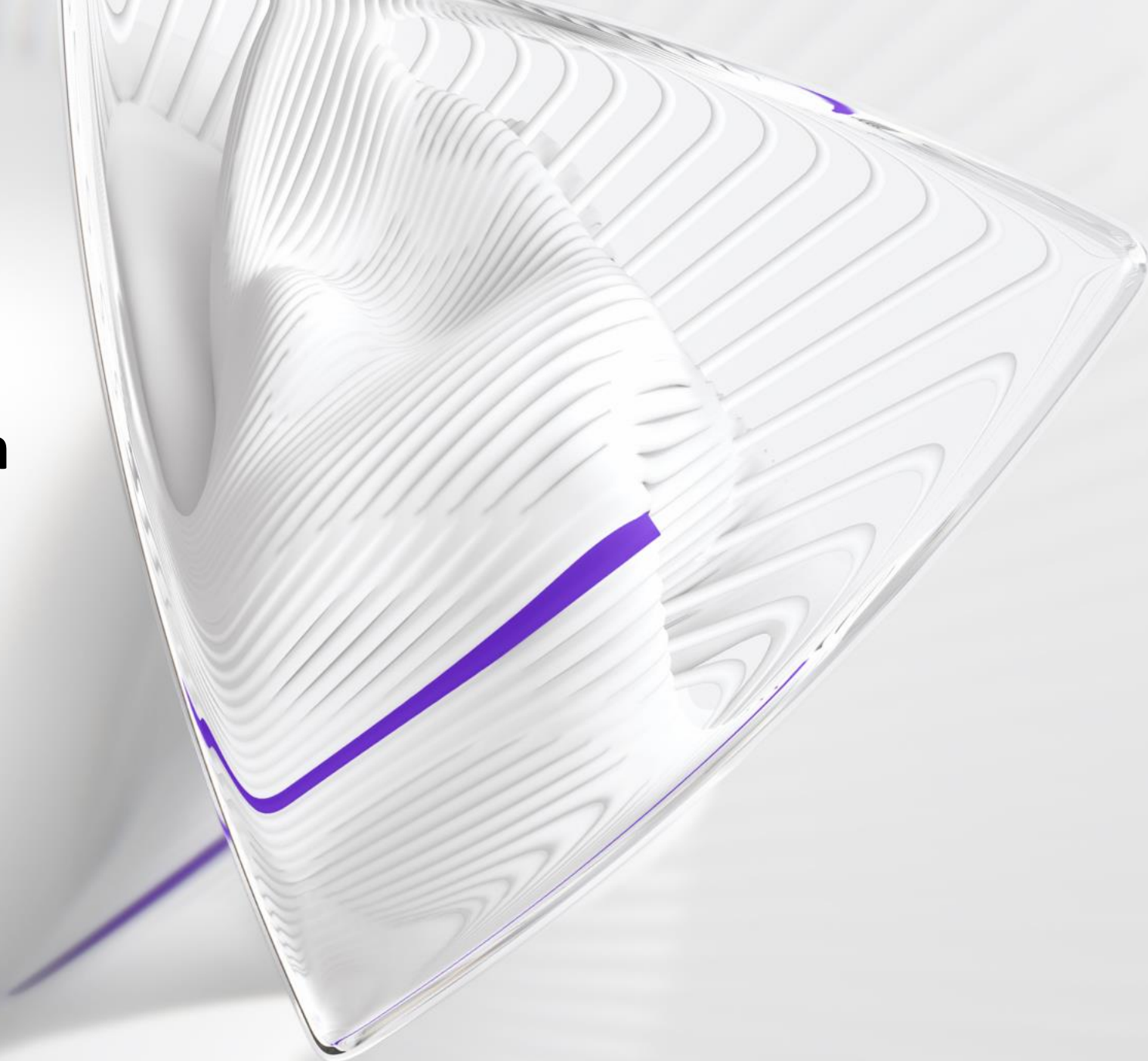
Marie McVeigh
Head of Editorial Integrity

- You must manually **join the audio conference in order to hear the speaker**
 - Telephone or Computer audio
- All attendees have been muted.
- During the session please feel free to use the **chat box** to ask any questions.
- This session is being recorded, and will be distributed to attendees along with slides and other materials

Understand and compare journal performance with contextual metrics

Miguel Garcia
Kate Heaney
Marie McVeigh

July 2022



Ever growing scholarly publishing landscape



**4 million papers
per year¹**



**46,700 scholarly
journals¹**



**17,893 open access
journals²**



**15,000 “predatory”
journals³**

¹[2021 STM Report](#)

²Listed in [DOAJ](#) June 21, 2022

³Sept 2021 [STM Release](#)

Web of Science Journal Citation Reports (JCR)

Make confident decisions with objective, unbiased journal statistics from publisher-neutral experts



Selectivity

Quickly find a list of the most influential journals in all disciplines. Each journal profiled in JCR has met the **rigorous quality and impact standards** documented in the Web of Science Core Collection [editorial selection process](#).



Quality control

Work with credible metrics derived from accurate and complete data. Journals displaying evidence of **excessive self-citation and citation stacking are suppressed** from Journal Citation Reports to support research integrity in scholarly publishing.



Transparency

Easily uncover the **relationship between article and journal citations** to better understand a journal's role in the network of scholarly communications. Access to article data helps you follow best practices for research evaluation.



Multiple ways to view impact

Evaluate journals with a multidimensional view of a journal's impact and influence. View citation metrics alongside **descriptive open access statistics and contributor information** that provide a holistic picture of each journal.

A long tradition of transparency

Since the publication of the first Journal Citation Reports (JCR) in 1976, the Journal Impact Factor (JIF) has become a standard way to measure the citation impact of a journal. The JCR was created to describe and define the network of journals as an aggregate of the article citation network in the Science Citation Index. It was intended to provide an objective measure regarding scholarly use of journals to support both libraries and authors in publication evaluation.

Since the launch of its web format in 1998, JCR has become a canonic tool for publishers, collection development librarians and a reliable discovery informative tool on “Where to publish”. Our transparency on the Journal Impact Factor has been important and will remain so for all indicators in JCR, with this release being no exception.

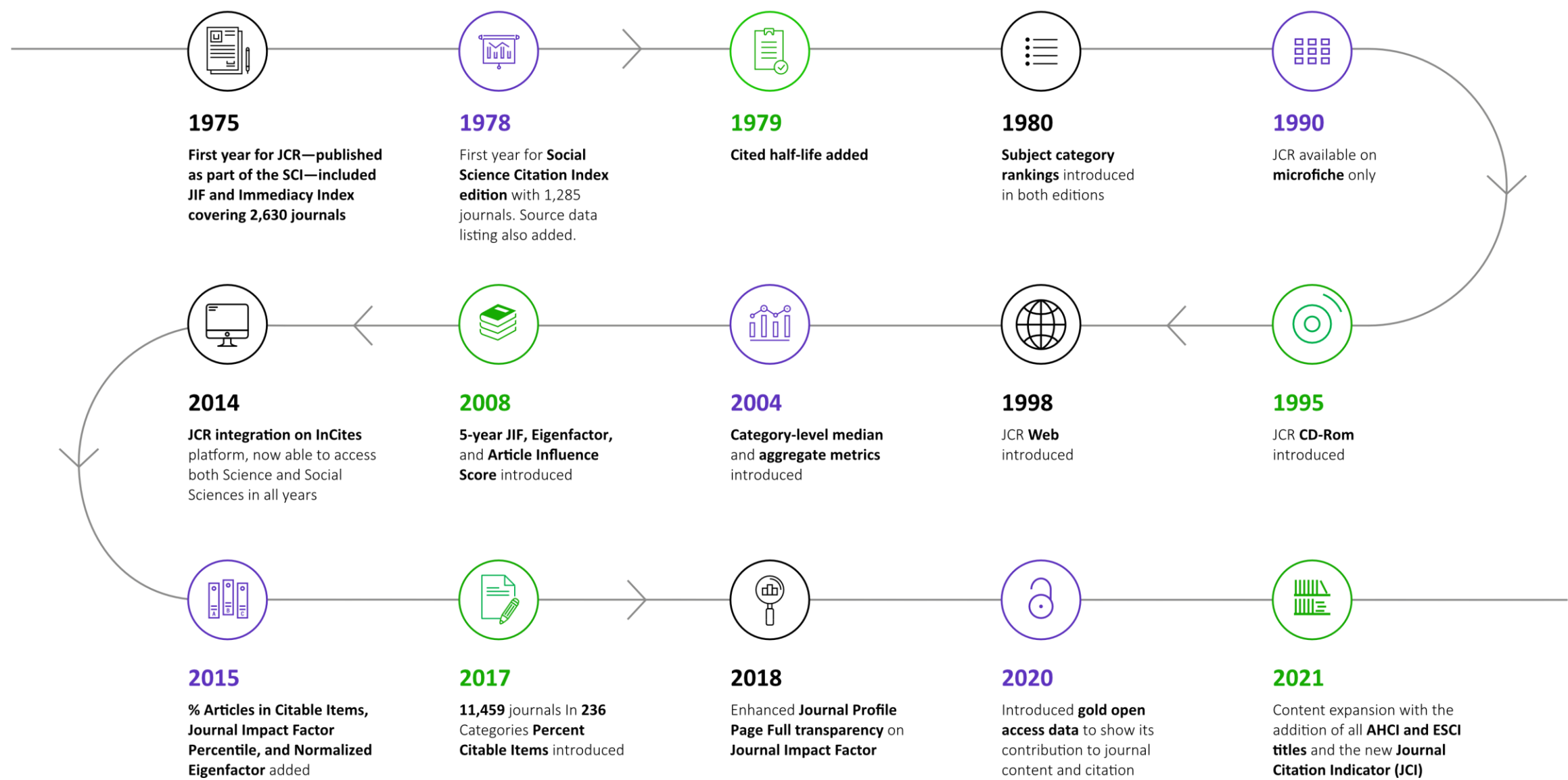
“This book is the product of more than ten years’ research”

-Preface to *Journal Citation Reports*, Volume 9 of the 1975 SCI^[iii]

Check out our [blog](#) for more on the history of JCR



JCR Formats and Features Timeline



JCR 2022 Release: by the numbers

21,430 total journals

12,828 Science journals

6,691 Social Sciences journals

3,092 Arts & Humanities journals

192 titles with first time Journal Impact Factor

3 journals suppressed in the 2022 release



5,300 Gold Open Access journals



114 countries worldwide



254 research categories

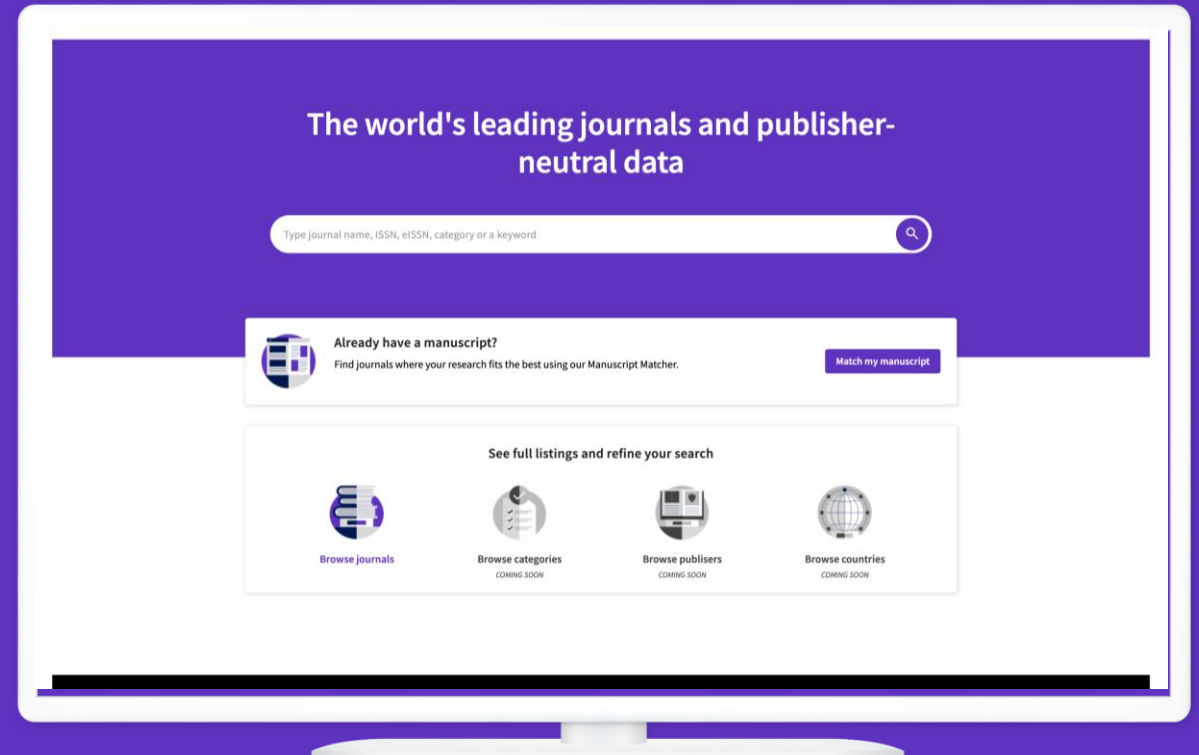
New User Interface

Continuous updates

The data in the JCR is fully updated once a year. Starting in 2021, JCR features will continue to update throughout the year

User-friendly display

Journal Citation Reports have complex data and the new User Interface intends to make the data clearer and easier to understand



See a broader picture of journal performance

JCR content expansion in the 2021 release

Journal Citation Reports Browse journals Browse categories amy.braden@clarivate.com

20,932 journals

Type journal name, ISSN, eISSN, category or a keyword

Indicators: Default Customize

Citation Indexes JCR Year-2020

Citation Index

Filter on specific editions of the Web of Science Core Collection. By default, all are selected.

- ✓ Science Citation Index Expanded (SCIE)
- ✓ Social Science Citation Index (SSCI)
- ✓ Arts & Humanities Citation Index (AHCI)
- ✓ Emerging Sources Citation Index (ESCI)

Citations	2020 JIF	JIF Quartile	2020 JCI	% of OA Gold
1,868	508.702	Q1	77.64	8.75 %
1,477	94.444	Q1	7.01	1.40 %
		Q1	26.14	0.00 %
		Q1	10.86	0.00 %
		Q1	20.05	22.81 %
		Q1	7.72	4.38 %
		Q1	4.06	1.91 %
		Q1	8.15	0.32 %

Assess journals in over 250 categories—including the arts and humanities.

72%

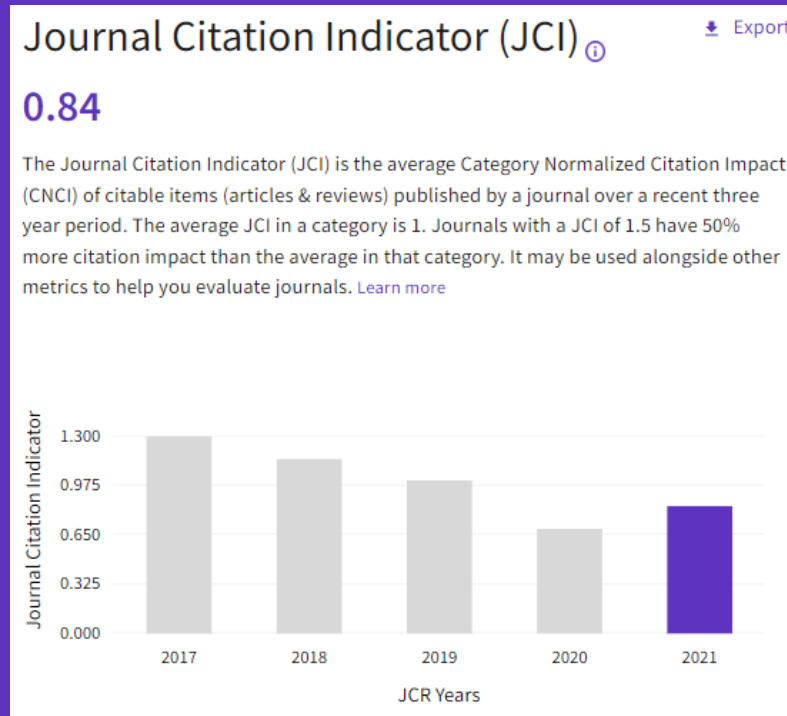
more journals were introduced in the 2021 JCR release (2020 data)

Conduct cross-disciplinary comparisons

Journal Citation Indicator

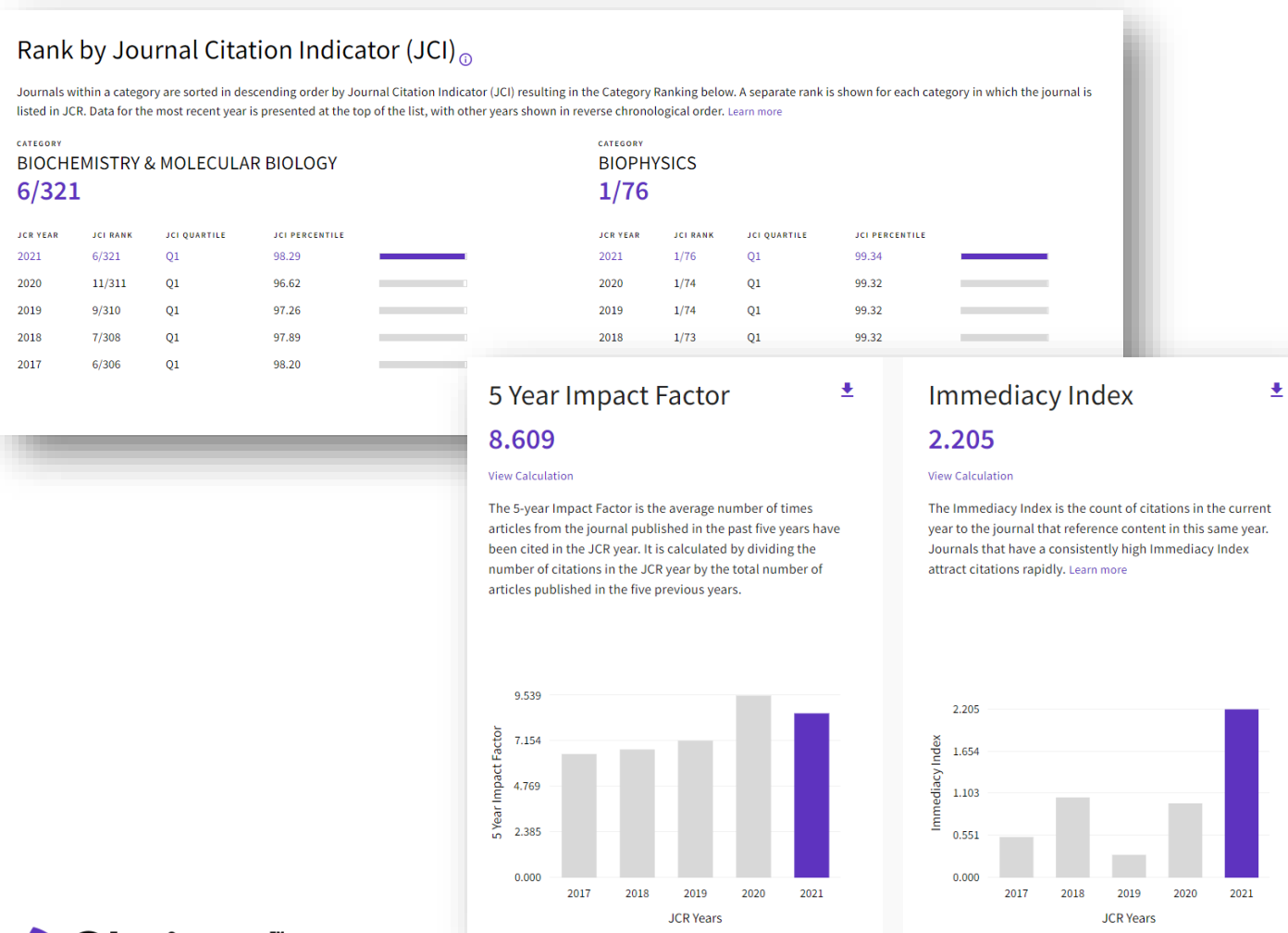
Assess journal performance with additional context

Introduced in 2021, the Journal Citation Indicator harnesses another Clarivate measure: Category Normalized Citation Impact (CNCI), a metric found in InCites. The value of the Journal Citation Indicator is the mean CNCI for all articles and reviews published in a journal in the preceding three years.



- Help your researchers draw better informed conclusions about journal impact.

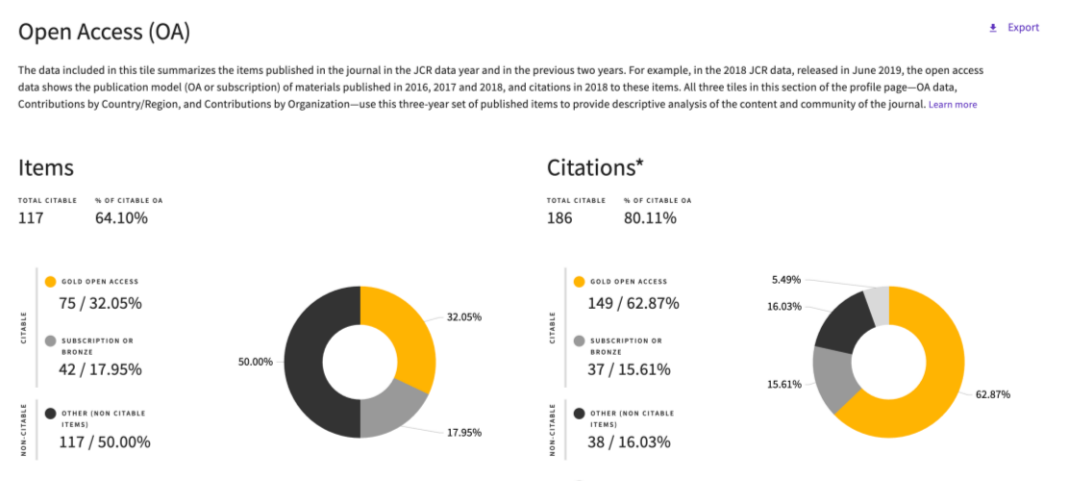
Gain a multidimensional view of journal impact and influence



- Complement the Journal Impact Factor (JIF) with a wide range of additional metrics.
- Explore a journal's role in the scholarly network from several angles.

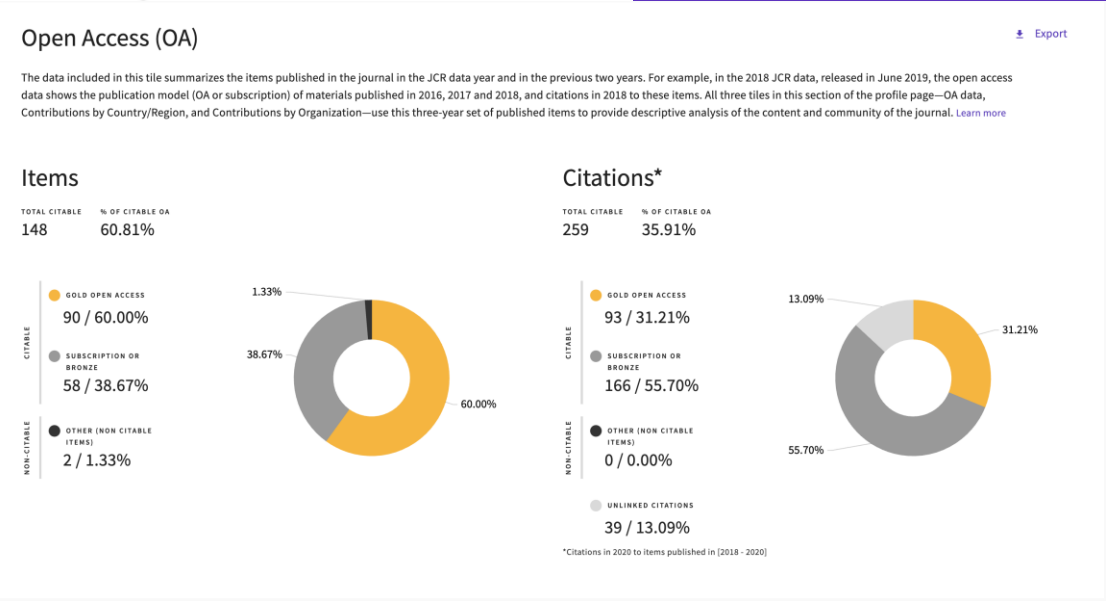
Make confident decisions about your open access strategy

Transparent open access data in the JCR



Example 1: 32% OA publications get 63% of the citations

- Identify reputable journals that can make your article available as open access at the time of publication.
- Understand how journals' access models impact the scholarly discourse within your community.
- Make data driven decisions about your organization's open access policies.



Example 2: 60% OA publications get 31% of the citations

Explore data via interactive charts

Citation distribution

[Export](#)

The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data for each data point, and an interactive legend where hovering over a data element's legend highlights that element in the body of the graph. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator. [Learn more](#)

ARTICLE CITATION MEDIAN

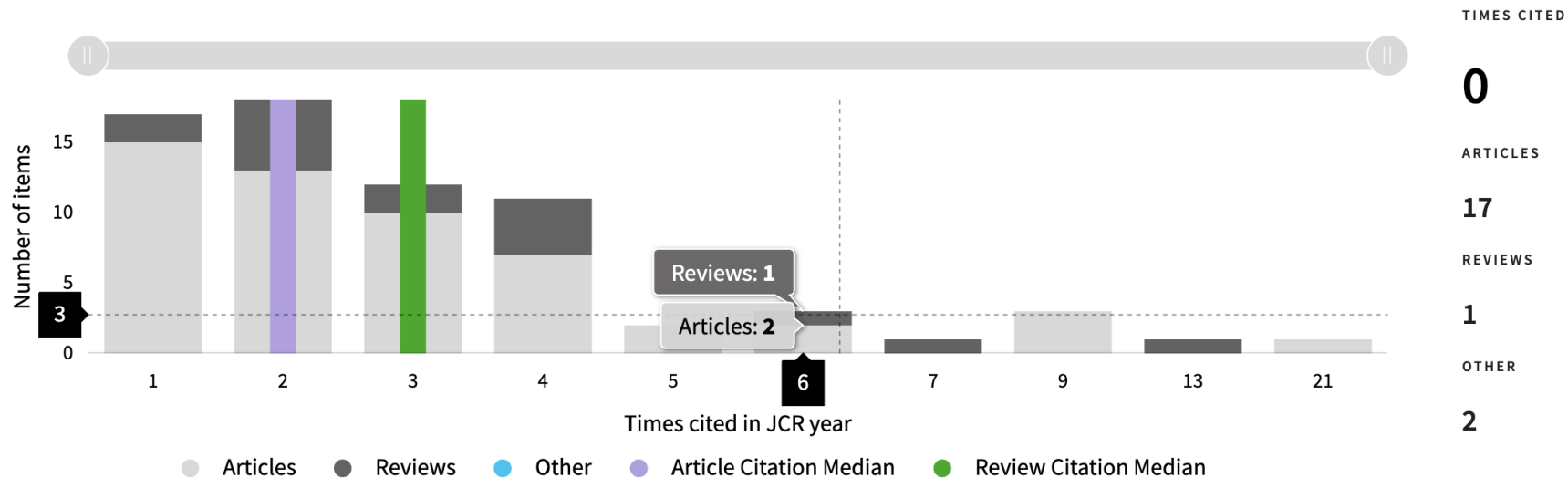
2

REVIEW CITATION MEDIAN

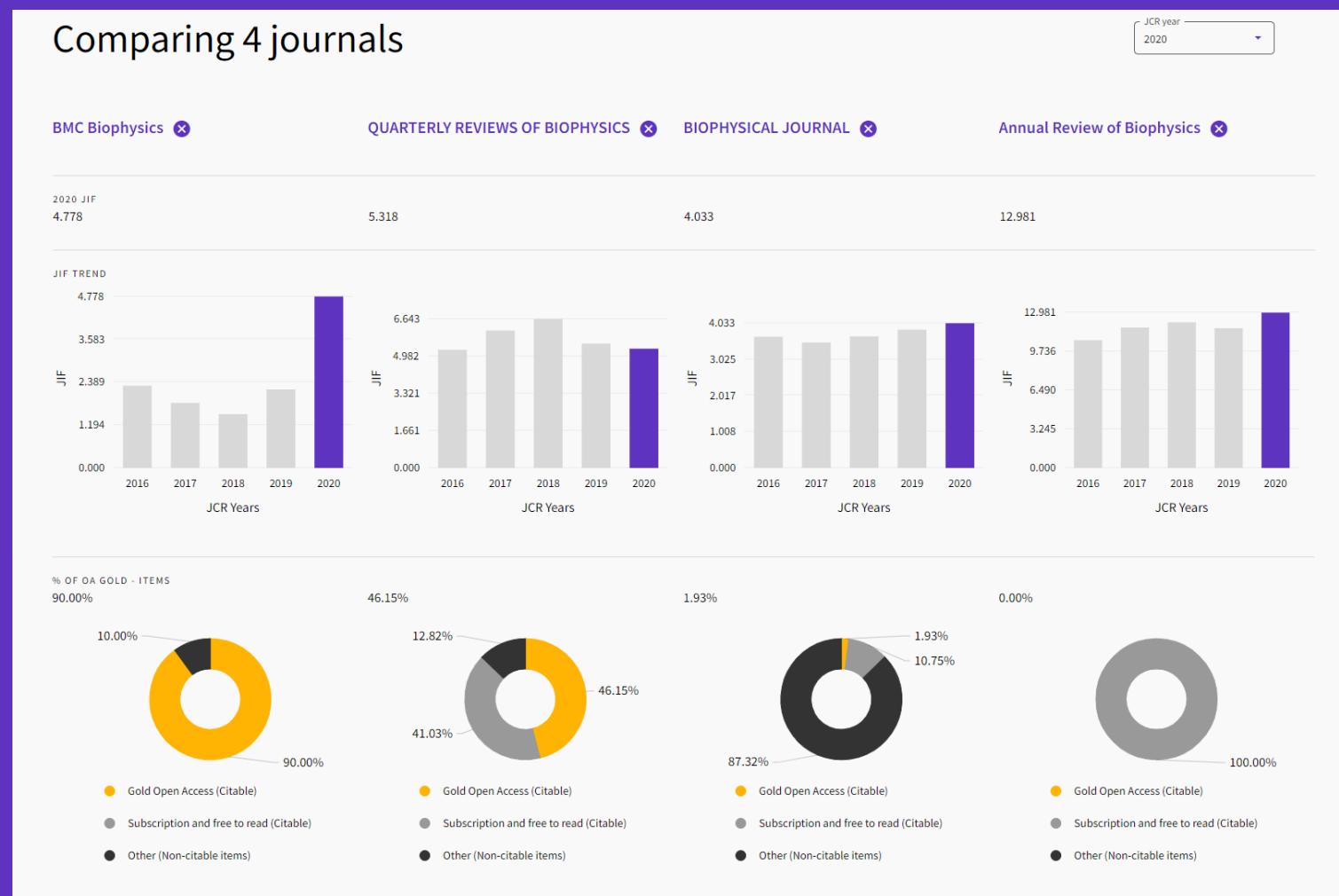
3

UNLINKED CITATIONS

34



Streamline comparisons of selected journals



- View descriptive data and journal performance metrics for several journals in one place for easy identification of best-fit journals.

New ways to browse JCR data

Browse by Publisher and Category

Categories by Group 
[See all 254 Categories](#)

Sort by: Alphabetical ▾

	NUMBER OF CATEGORIES	NUMBER OF JOURNALS	NUMBER OF CITABLE ITEMS	
 Agricultural Sciences	7	419	55,284	
 Arts & Humanities, Interdisciplinary	8	960	33,885	
 Biology & Biochemistry	34	3,892	707,810	

- Identify a set of related categories using broad Groups and view aggregate metrics for each category.
- Conduct a deeper analysis of a publisher's portfolio with quick links to InCites Publisher Reports.

5,356 publishers

Journal name/abbreviation, ISSN/eISSN, category, publisher 

Publisher name ▾	Number of journals in 2020 ▾	InCites Analysis
Springer Nature (Unified)	2,262	Publisher report 
Elsevier (Unified)	2,029	Publisher report 
Taylor & Francis (Unified)	2,023	Publisher report 
Wiley (Unified)	1,465	Publisher report 

How is the Journal Citation Indicator calculated

The Journal Citation indicator is available to all active journals in the following editions:

- Science Citation Index Expanded
- Social Science Citation Index
- Arts & Humanities Citation Index
- Emerging Sources Citation Index

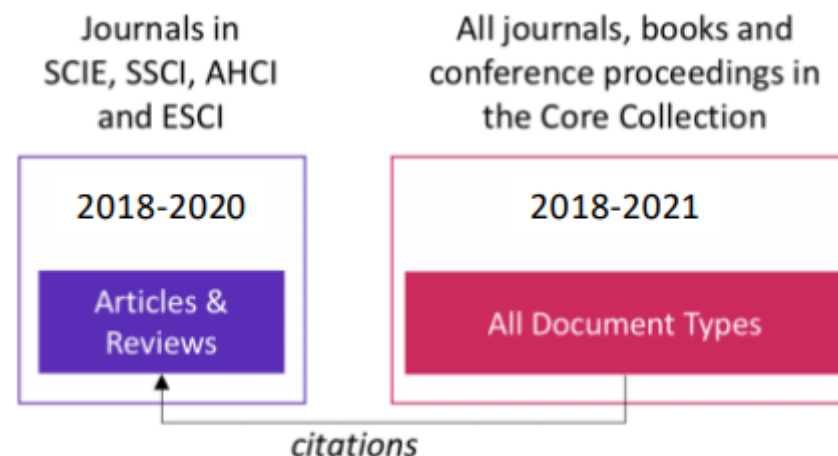
More Information:

[Introduction the Journal Citation Indicator CNCI](#)

The **Journal Citation Indicator (JCI)**, a field-normalized metric, represents the average category-normalized citation impact for papers published in the prior three-year period.

For example, the 2021 Journal Citation Indicator will be calculated for journals that published citable items (i.e., articles or reviews) in 2018, 2019 and 2020, counting all citations they received from any document indexed between 2018 and 2021.

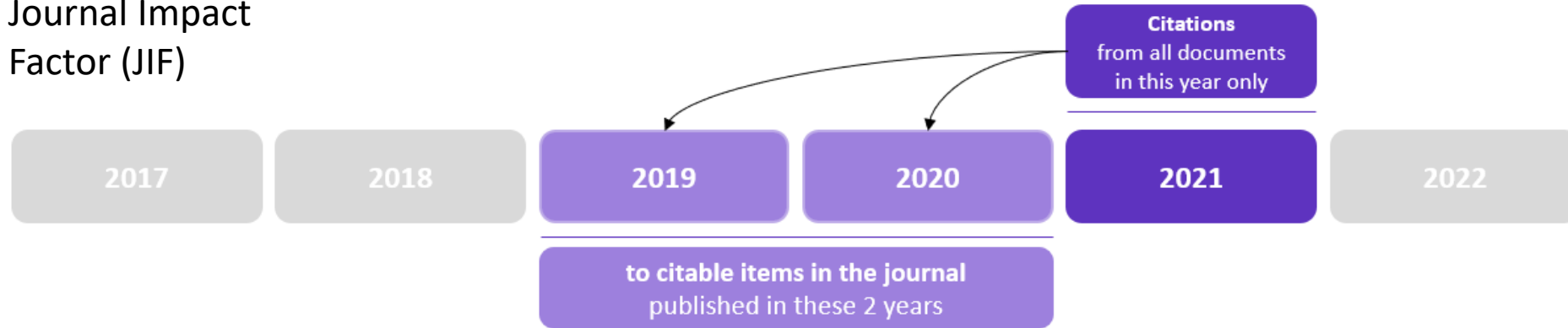
The value of the Journal Citation Indicator is the mean Category Normalized Citation Impact (CNCI) for all articles and reviews published in the most recent three years (e.g., between 2018 and 2020 for the 2021 indicator value).



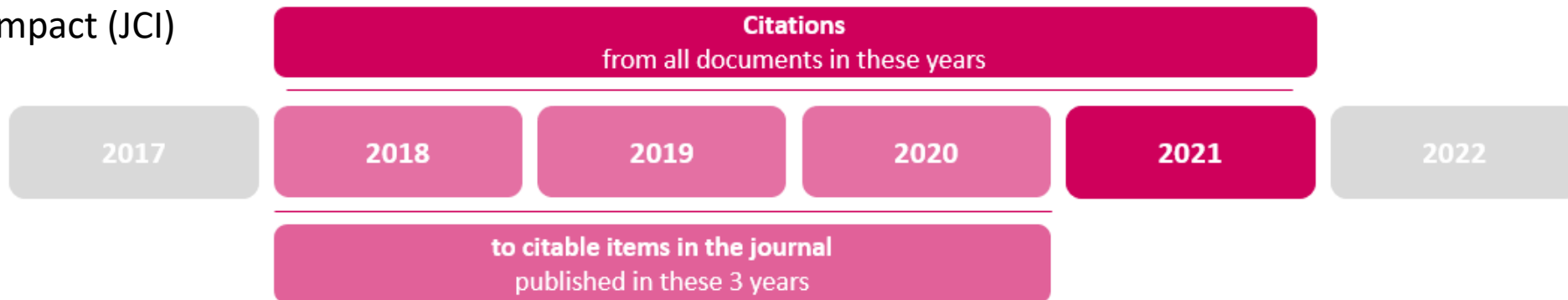
JIF versus JCI

These are complementary, but also different metrics

Journal Impact
Factor (JIF)



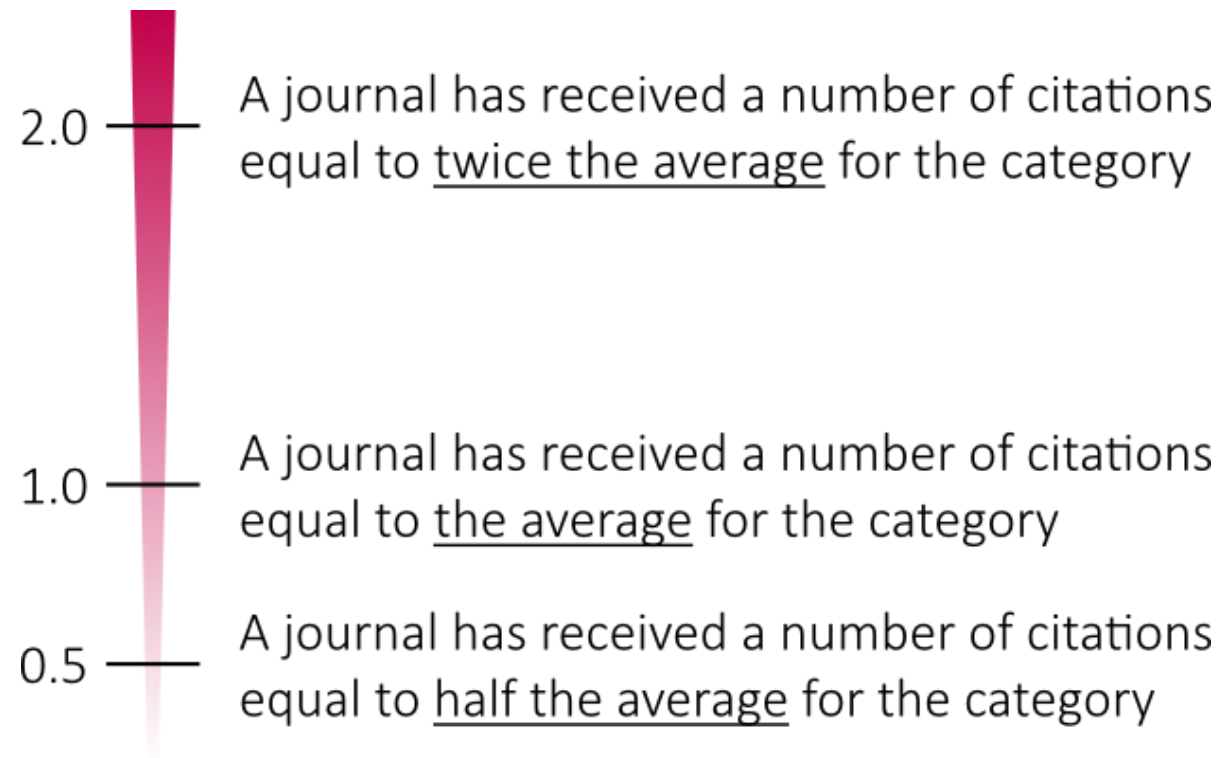
Journal Citation
Impact (JCI)



Interpreting the Journal Citation Indicator

- A normalized ratio for easier comparisons
- While JCI=1 is the average* for the category, most journals will have a JCI < 1

*in practice, owing to the calculation the average will be slightly less than 1.



JCI in Master Journal List

- Journal Citation Indicator will be displayed for all users of the Master Journal List
- Journal Impact Factor will only be shown to existing subscribers to JCR

Journal Citation Report™ (JCR)

 Journal Citation Reports™ 2022

Journal Impact Factor™ (JIF)

JCR SUBSCRIPTION ACTIVE 

2021	2020
1.778	2.326
Categories: Economics Education & Educational Research	Categories: Economics Education & Educational Research

View in Journal Citation Reports™

Journal Citation Indicator (JCI)

NEW METRIC

The Journal Citation Indicator is a measure of the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. It is used to help you evaluate journals based on other metrics besides the Journal Impact Factor (JIF).

2021	2020
1.03	1.57
Categories: Economics Education & Educational Research	Categories: Economics Education & Educational Research

Learn About Journal Citation Indicator

Where we're heading

Coming soon – Browse Countries/Regions

Journal Citation Reports Journals Categories Publishers Countries/Regions My favorites nina.garcia@clarivate.com

195 Countries/Regions [Export](#)

Country / region	Number of journals in 2020	InCites metrics
USA	4,465	Analyse in InCites
China Mainland	355	Analyse in InCites
United Kingdom	260	Analyse in InCites
England	241	Analyse in InCites
Germany	239	Analyse in InCites
Japan	325	Analyse in InCites
France	318	Analyse in InCites

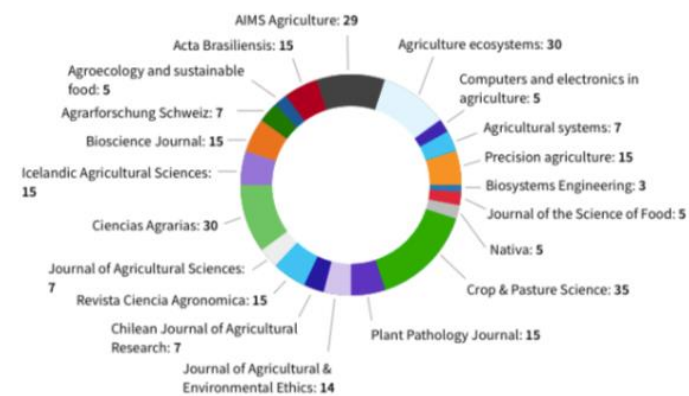
- See the number of journals published in each country/region and link out to additional detail in InCites

Coming soon – Journal Relationships

Journal citation relationships 2020

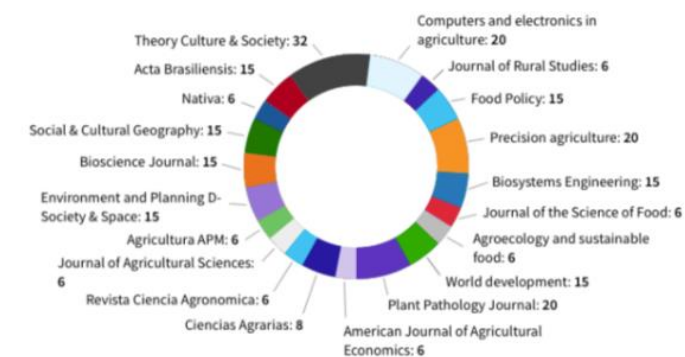
Cited Data

Top 20 journals citing Precision Agriculture by number of citations.



Citing data

Top 20 journals cited by Precision Agriculture by number of citations.



Coming soon – Browse Journals Updates

Bulk Search

- Search multiple ISSNs at once

Rank display

- Clearly see the rank of a journal in each category
- Similar to quartile – the rank will be specific to a single category

The screenshot displays a web interface for bulk searching. On the left, under a 'Filter' header, there is a list of filter categories with counts and expandable arrows: Journals (12,847), ISSN/eISSN, Categories (236), Publishers (12,254), Country / Region (83), Citation Indexes, JCR Year, Open Access, JIF Quartile, and JIF Range. On the right, under the 'ISSN/eISSN' header, there is a text prompt 'Type in or copy/paste an ISSN/eISSN or a list of them.' followed by a search input field with a magnifying glass icon. Below the input field, a grid of 12 green buttons displays various ISSN/eISSN numbers, each with a close 'x' icon. The numbers are arranged in two columns: 0001-4966, 0022-460X, 1350-4177, 0960-7692, 0301-5629, 0885-3010, 0278-4297, 0003-682X, 0041-624X, 1077-5463, 1070-9622, 2329-9290, 1048-9002, 0167-6393, 0172-4614, and 0165-2125.

Early Access in the 2021 JCR

First, what is Early Access (EA) in the Web of Science™ ...

Compatible EA material is journal material that is the Version of Record (VOR), made available early, before it is assigned a volume, issue and page. It has a DOI¹ and distinct early access publication date². When it is later published in an issue, it then has volume, issue, pages, and final publication date data³.

The screenshot displays a journal article page with several key elements highlighted by numbered annotations:

- Annotation 1:** Points to the DOI: 10.1111/jcmm.16244 in the left sidebar.
- Annotation 2:** Points to the Early Access: DEC 2020 in the left sidebar.
- Annotation 3:** Points to the Volume 25, Issue 3, February 2021, Pages 1518-1530 in the top right corner.

The article title is "Identification of biomarker panels as predictors of severity in coronary artery disease". The authors listed are Ben Braiek, A (Ben Braiek, Assia)^{1, 2, 3}; Chahed, H (Chahed, Hinda)²; Dumont, F (Dumont, Florent)³; Abdelhak, F (Abdelhak, Fodha)^{4, 5}; Hichem, D (Hichem, Denguir)^{4, 6}; Gamra, H (Gamra, Habib)⁴; Baudin, B (Baudin, Bruno)^{1, 7}.

The journal is the JOURNAL OF CELLULAR AND MOLECULAR MEDICINE, Volume: 25, Issue: 3, Pages: 1518-1530.

The article is an ORIGINAL ARTICLE, Open Access, and is available in PDF format. The first published date is 31 December 2020, and the DOI is <https://doi.org/10.1111/jcmm.16244>.

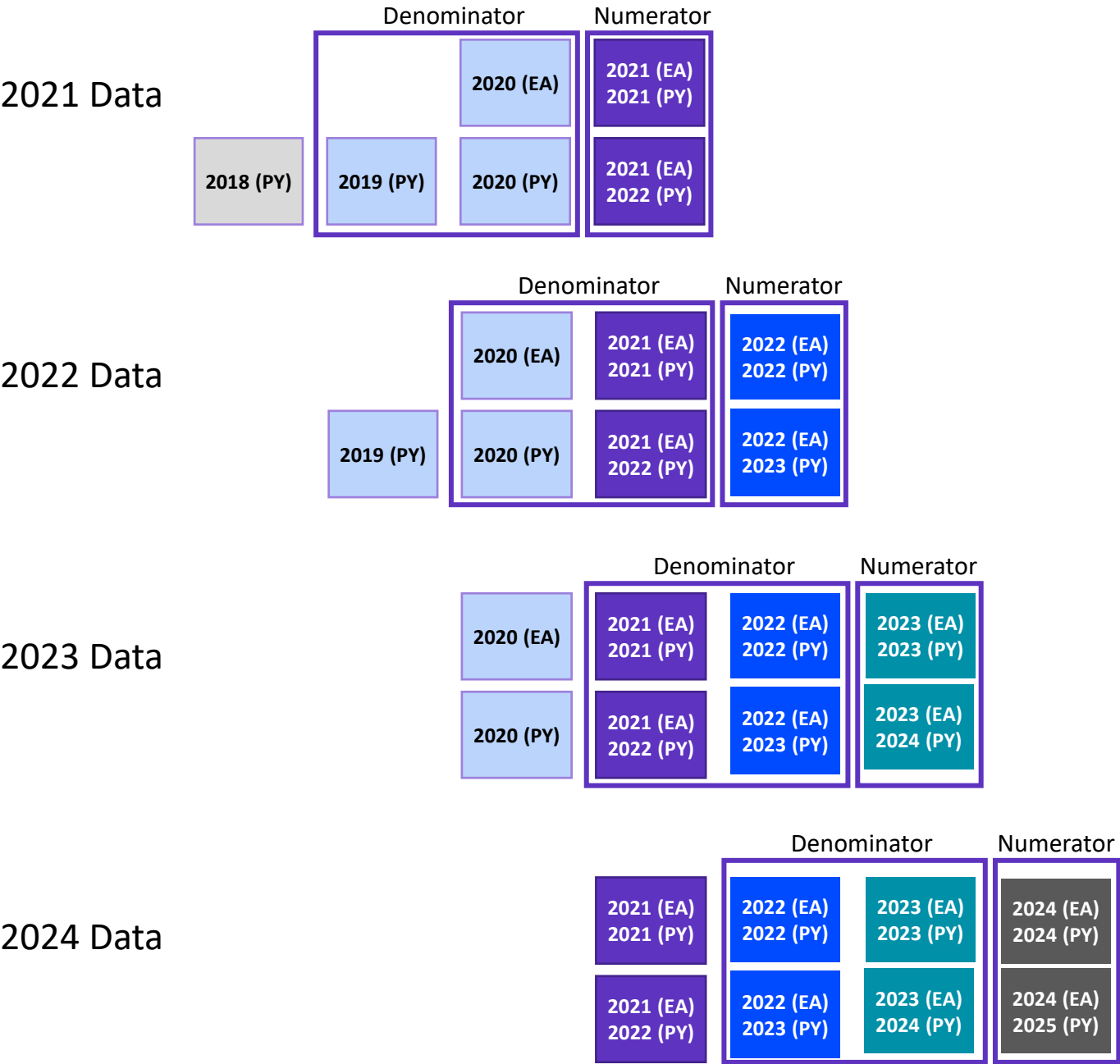
Abstract: Matrix metalloproteinases (MMPs) are implicated in atherosclerotic functions. Both MMPs and TIMPs are potential biomarkers of plaque cardiovascular disease risk factors. We aimed to establish the best levels of MMP-3 and MMP-9, TIMP-1 and TIMP-2, Apo-CII, Apo-CIII, and electrocardiography, and in 285 healthy controls. MMP-3 and to controls (3.54- and 3.81-fold, respectively). Furthermore, these < 0.001). TIMPs levels were decreased in CAD versus controls (P < importance of panels of biomarkers, including MMP-3, MMP-9, TIMP curve (AUC) value (0.995) was reached for the association of MMP dyslipidaemia creates favourable conditions for plaque disruption aggravation panel') characterizes the severity of CAD, that is elect

Keywords: apolipoproteins; arterial hypertension; coronary metalloproteinases

Keywords Plus: CIRCULATING MATRIX METALLOPROTEINASES; TISSUE INHIBITOR; MYOCARDIAL-INFARCTION; CLINICAL PRESENTATION; MATRIX-METALLOPROTEINASE-9; PLAQUE; INFLAMMATION; SIMVASTATIN; PROFILE; TIMP-1

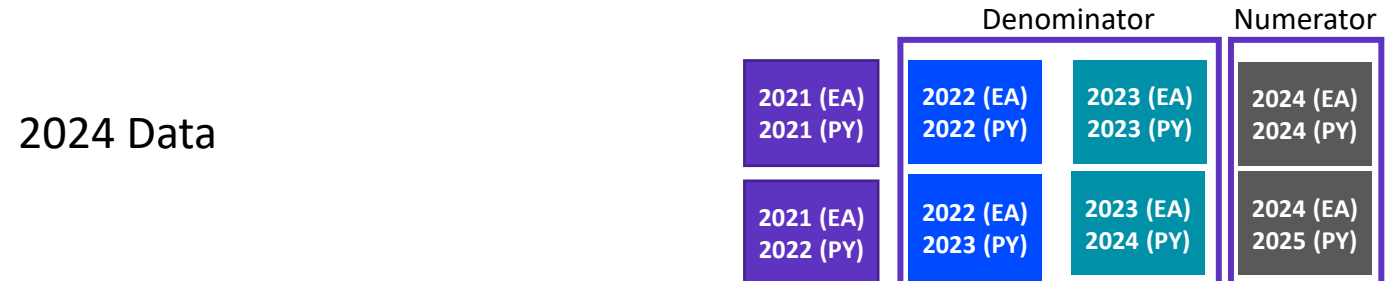
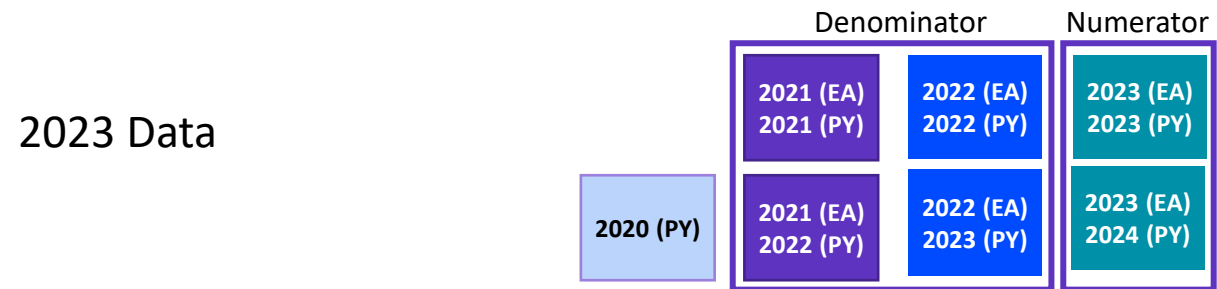
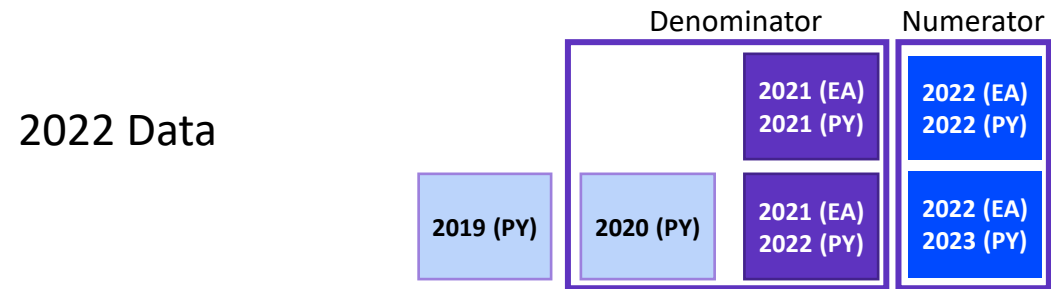
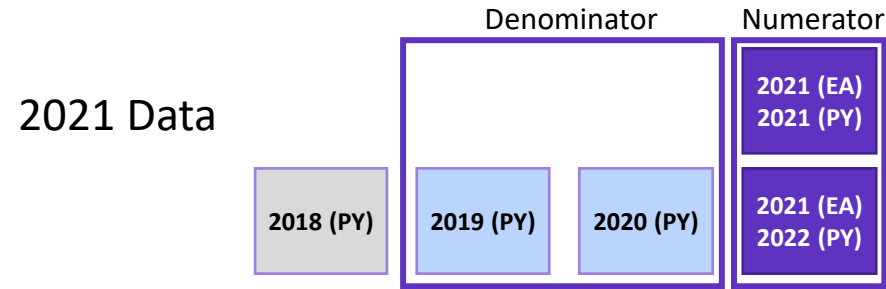
Example, Journal Onboarded 2020

- 2021 Early Access content will appear as contributing to the JIF numerator
- 2020 items included last year will move to the JIF denominator as 2020 items



Example, Journal Onboarded 2021

- Citations from the Numerator have a distributed effect and **apply to all journals that material cites**
- Journals onboarded later will have a similar transition



Early Access content typically has a higher contribution to JIF when counted by the early access date

JOURNAL OF [REDACTED]
DOI: [REDACTED]
Early Access: SEP 2021
Document Type: Article; Early Access

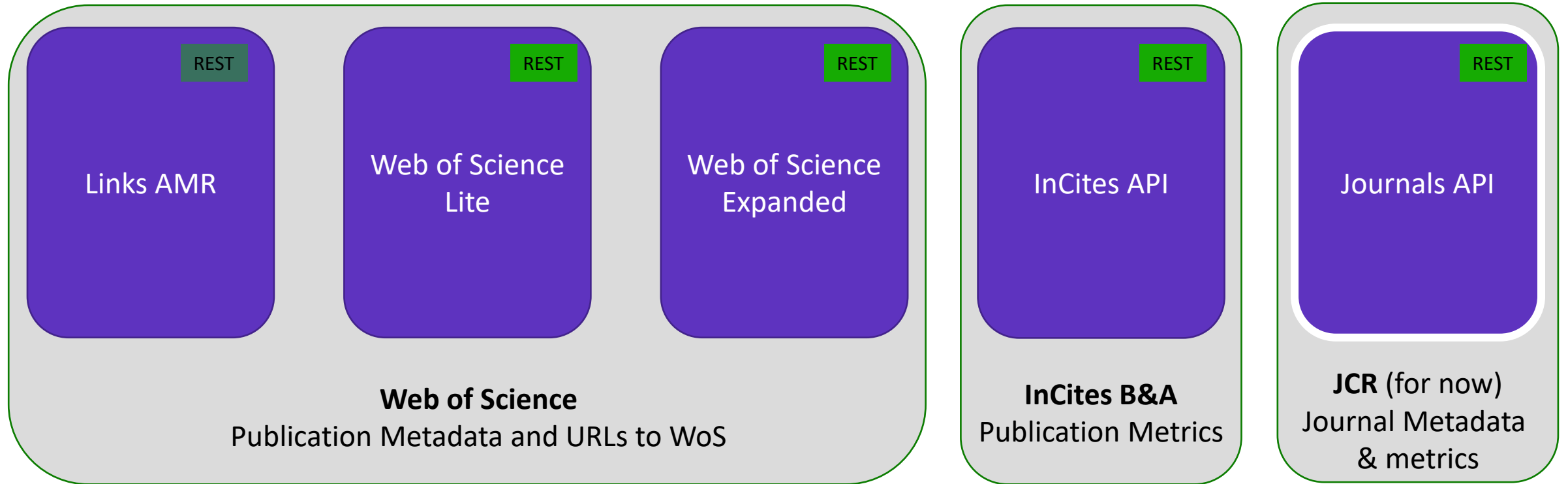
120
Cited Reference

Contribution to 2021 JIF: 23

Contribution to 2022 JIF: 7

API Update

Our API portfolio



In lieu of the JCR Metrics file, we now offer a new **Journals API** that will be able to support use cases requiring to load journals' data, along with their metrics such as the Journal Impact Factor and the new Journal Citation Indicator.

InCites Benchmarking & Analytics™ | Journal Citation Reports™

New Web of Science™ Journals API

May 2021

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

Publication metadata

- Web of Science API Lite**
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 and metrics

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

Coverage

21,000 + journals covered*
Includes the sciences (SOCI), social sciences (SSCI), and now both the arts & humanities (AHOI) and emerging sources (ESCI)

12,000 + have a Journal Impact Factor™ (JIF)
SOCI and SSCI

All Web of Science Core Collection™ Journals

*From July 2021

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

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Clarivate™

*For journals covered on our Web of Science Core Collection - via our [Developer Portal](#).

Thank you

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