Welcome

Understand and compare journal performance with contextual metrics

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- 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

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Web of Science™

Understand and compare journal performance with contextual metrics

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July 2022

Ever growing scholarly publishing landscape

4 million papers per year[1]

46,700 scholarly journals[1]

17,893 open access journals[2]

15,000 “predatory” journals[3]

[1]2021 STM Report
[2]Listed in DOAJ June 21, 2022
[3]Sept 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

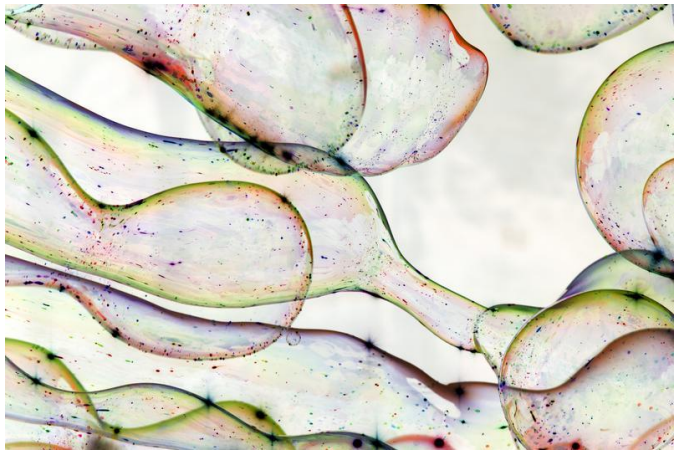
Since the publication of the first Journal Citation Reports (JCR) in 1976, the Journal Impact Factor (JIF) has become a standard way to measure the citation impact of a journal. The JCR was created to describe and define the network of journals as an aggregate of the article citation network in the Science 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[ii]

Check out our blog for more on the history of JCR



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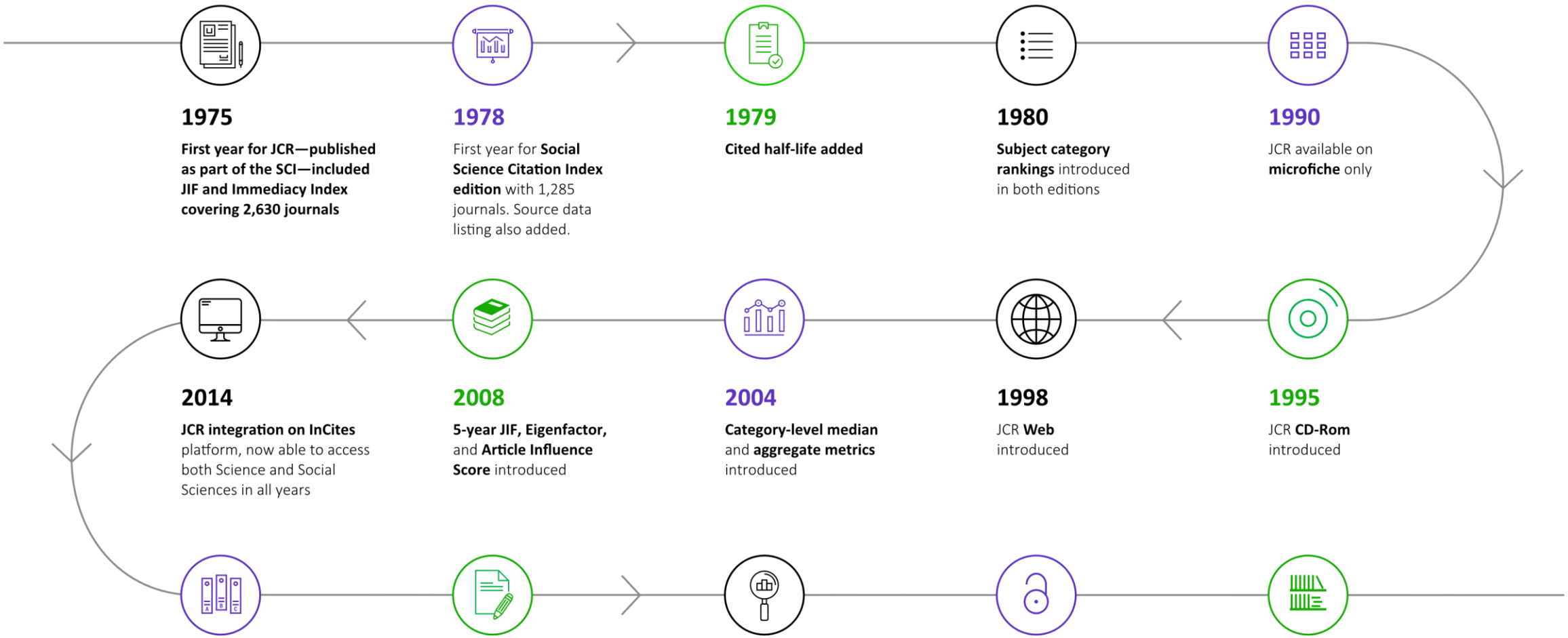
JCR Formats and Features Timeline



1975

First year for JCR—published as part of the SCI—included JIF and Immediacy Index covering 2,630 journals

1978

First year for **Social Science Citation Index edition** with 1,285 journals. Source data listing also added.

1979

Cited half-life added

1980

Subject category rankings introduced in both editions

1990

JCR available on **microfiche** only

1995

JCR **CD-Rom** introduced

1998

JCR **Web** introduced

2004

Category-level median and **aggregate metrics** introduced

2008

5-year JIF, Eigenfactor, and **Article Influence Score** introduced

2014

JCR integration on InCites platform, now able to access both Science and Social Sciences in all years

2015

% Articles in Citable Items, Journal Impact Factor Percentile, and Normalized Eigenfactor added

2017

11,459 journals In **236** Categories **Percent Citable Items** introduced

2018

Enhanced **Journal Profile Page Full transparency** on **Journal Impact Factor**

2020

Introduced **gold open access data** to show its contribution to journal content and citation

2021

Content expansion with the addition of all **AHCI and ESCI titles** and the new **Journal Citation Indicator (JCI)**

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JCR 2022 Release: by the numbers

21,430 total journals

12,828 Science journals

6,691 Social Sciences journals

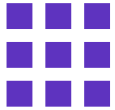
3,092 Arts & Humanities journals

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

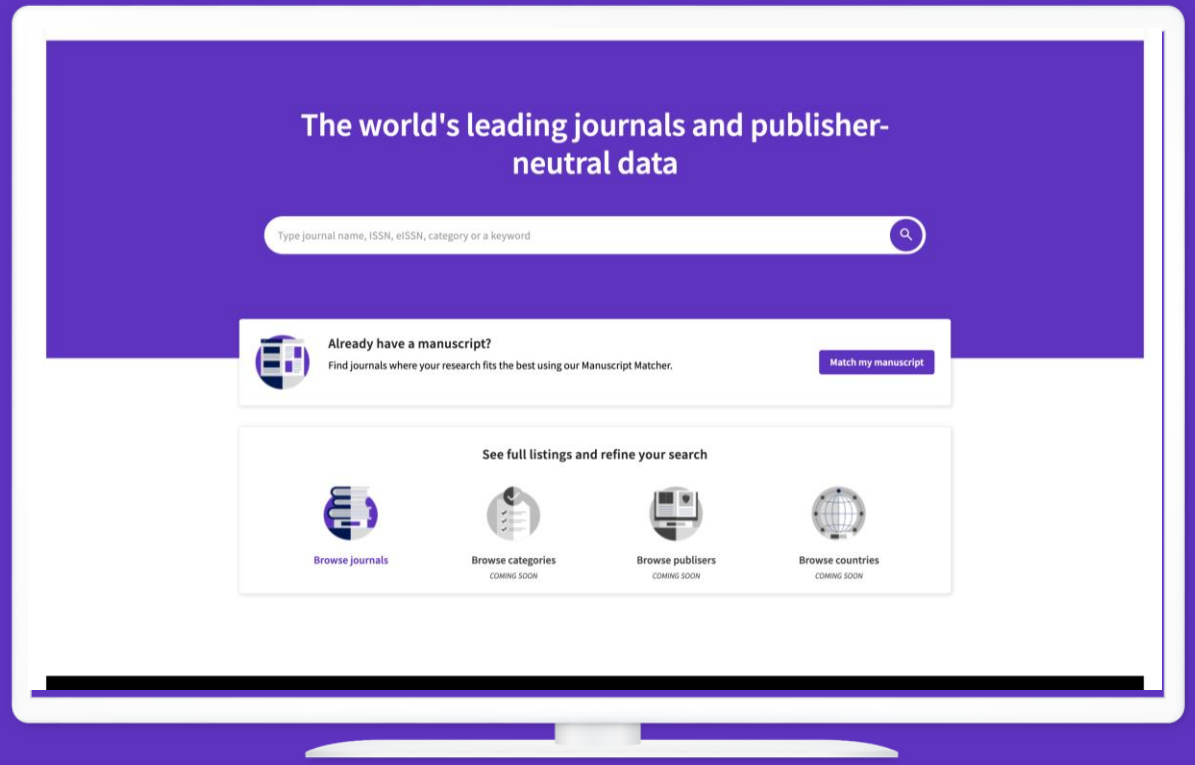
New User Interface

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

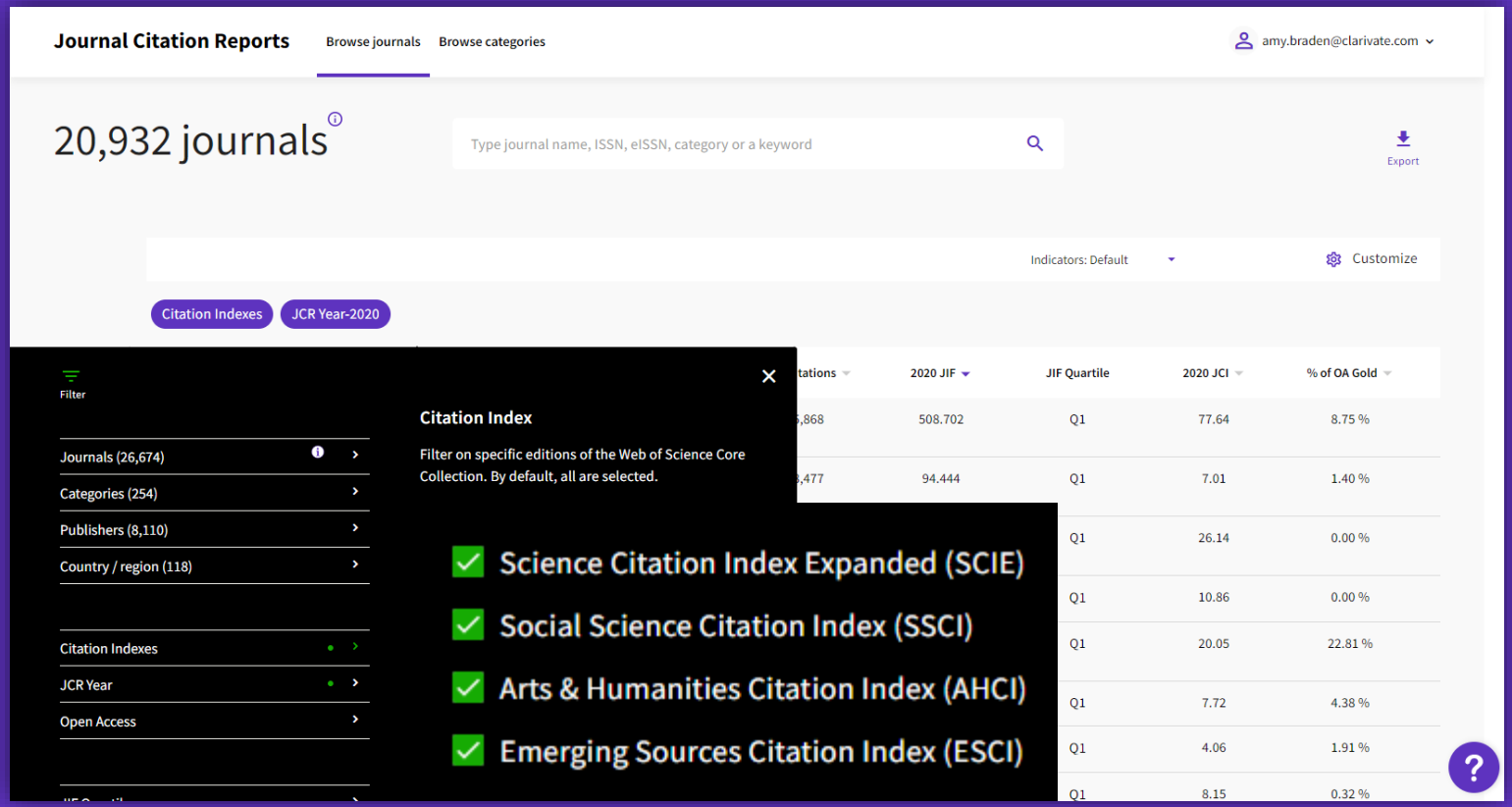
User-friendly display

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



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

72%

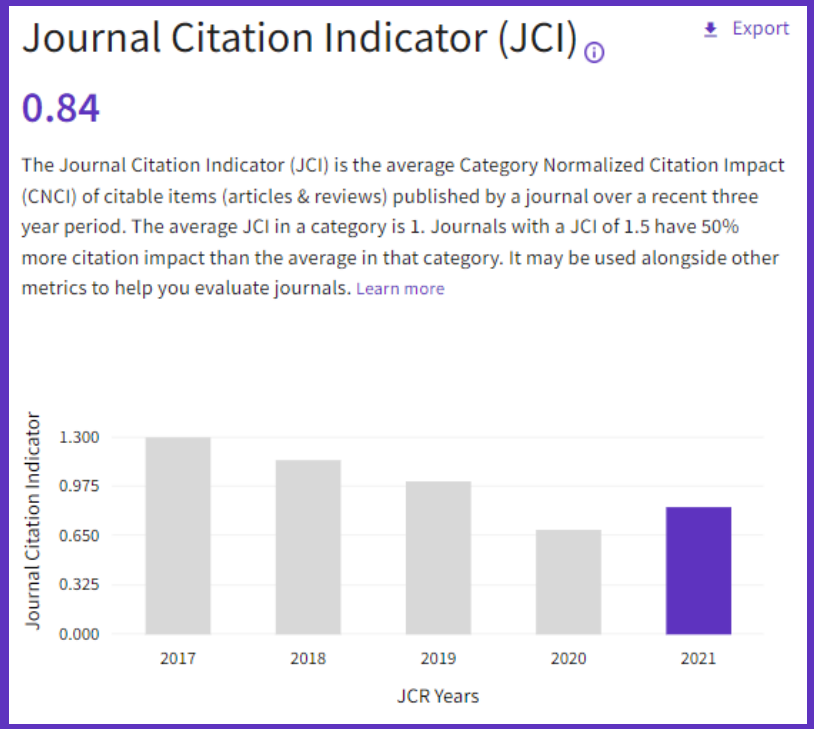
more journals were introduced in the 2021 JCR release (2020 data)

Conduct cross-disciplinary comparisons

Journal Citation Indicator

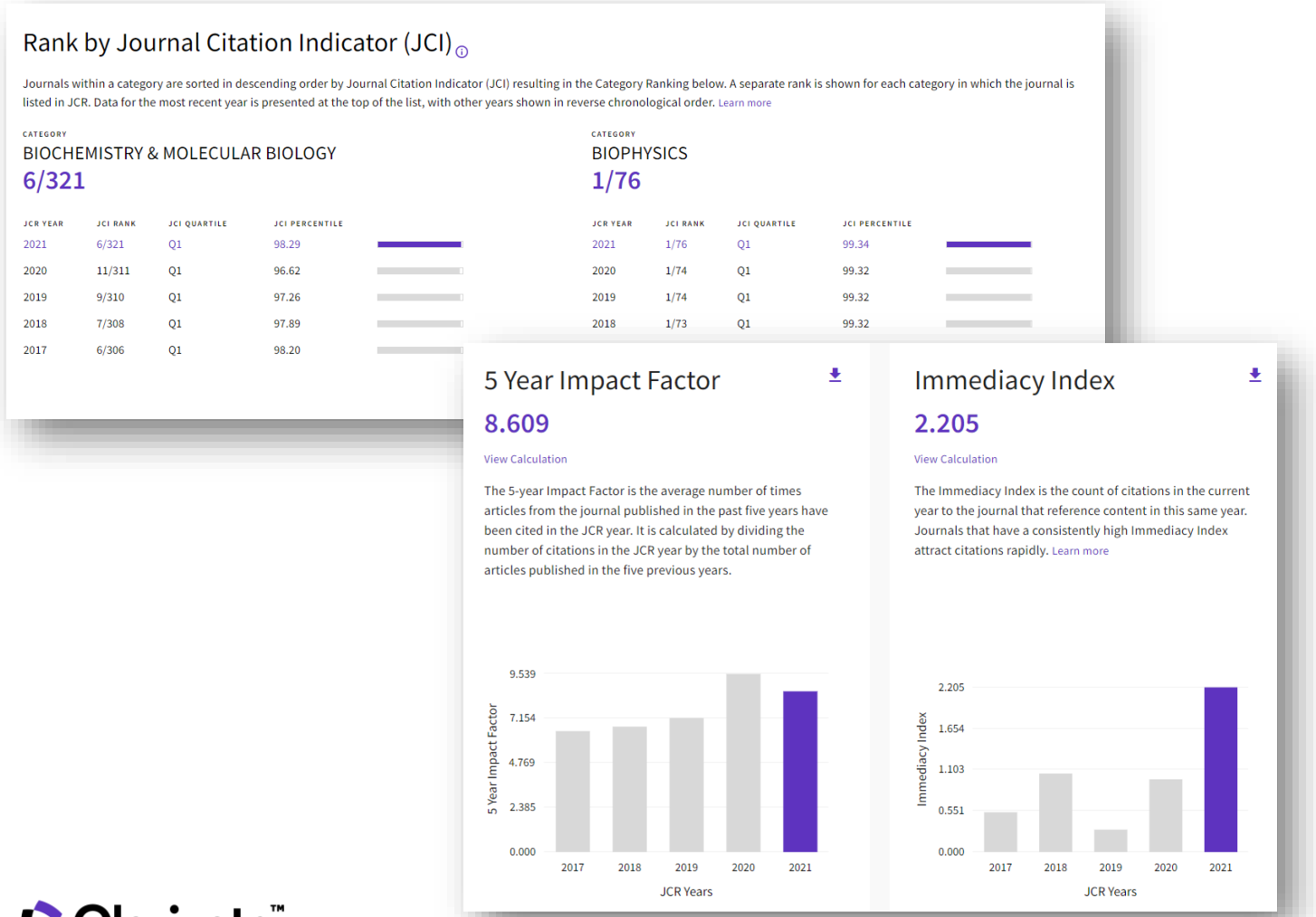
Assess journal performance with additional context

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.

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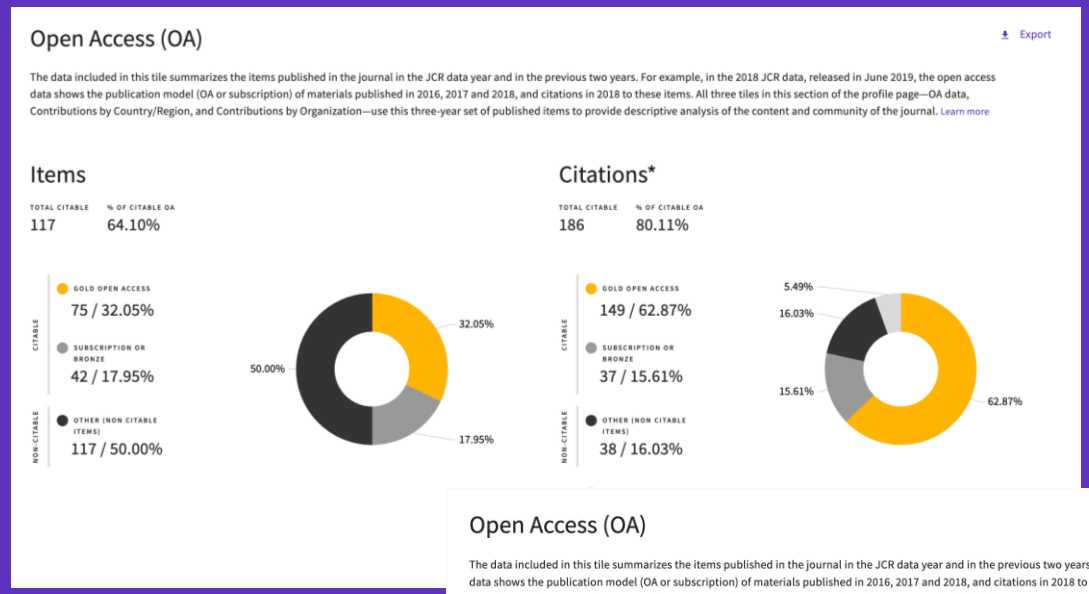
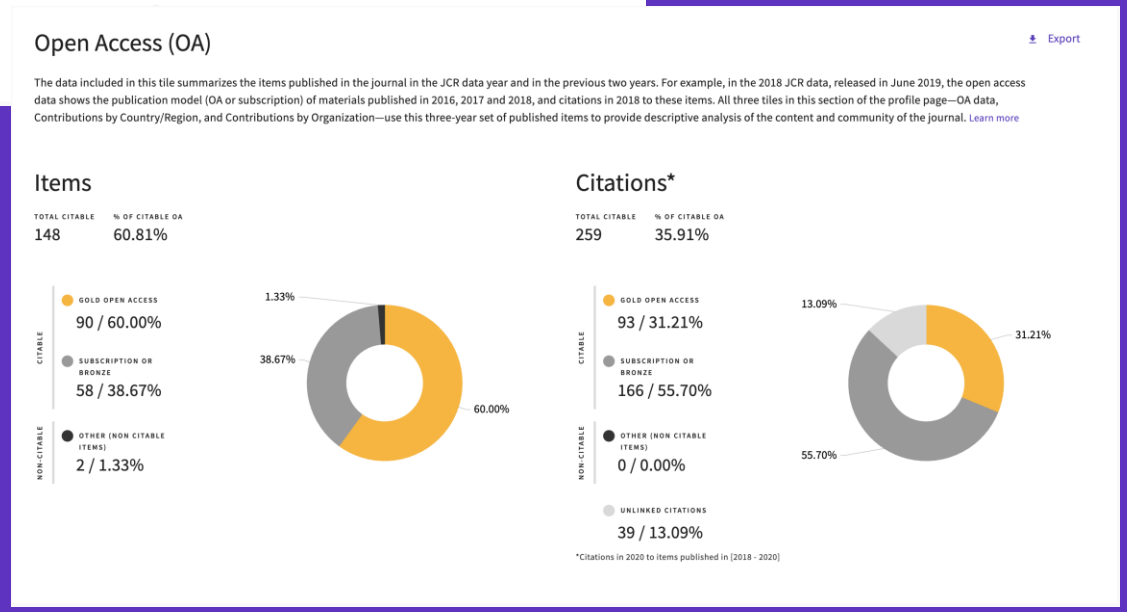
Make confident decisions about your open access strategy

Transparent open access data in the JCR



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



Example 2: 60% OA publications get 31% 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.

Open Access data sourced from Our Research↗ (formerly ImpactStory).

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 intractive 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

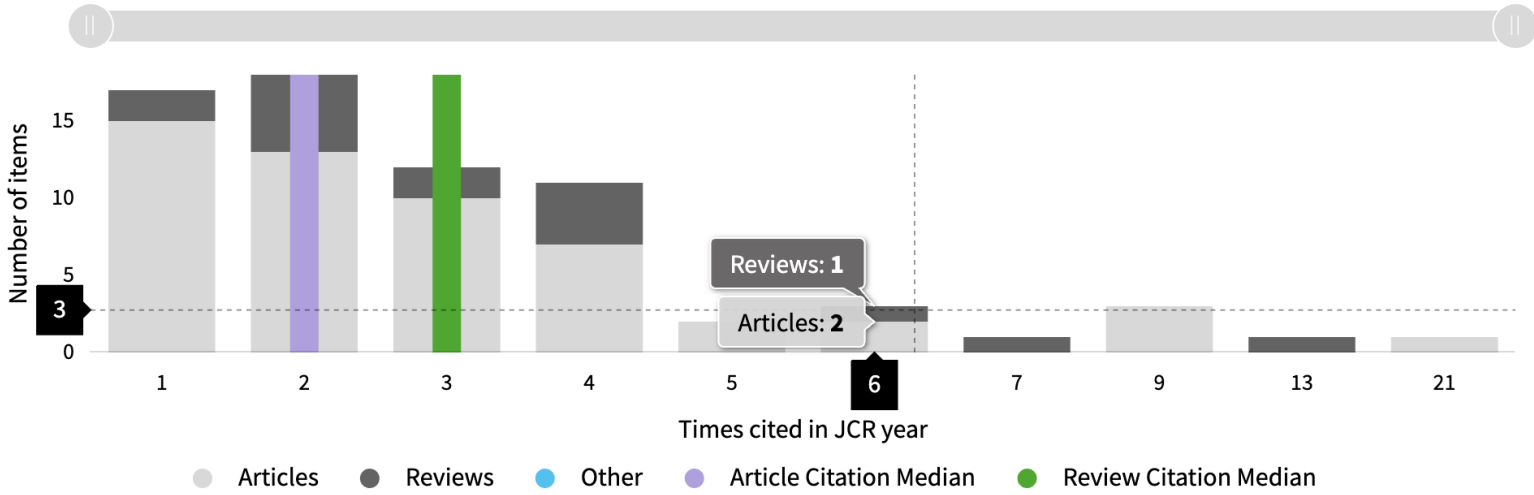
2

REVIEW CITATION MEDIAN

3

UNLINKED CITATIONS

34



TIMES CITED

0

ARTICLES

17

REVIEWS

1

OTHER

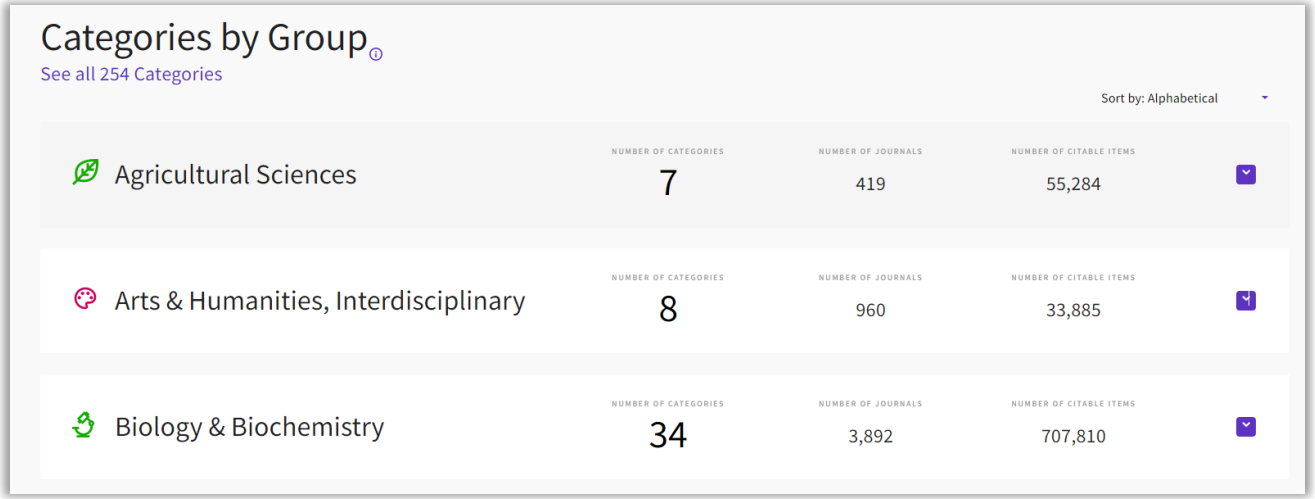
2

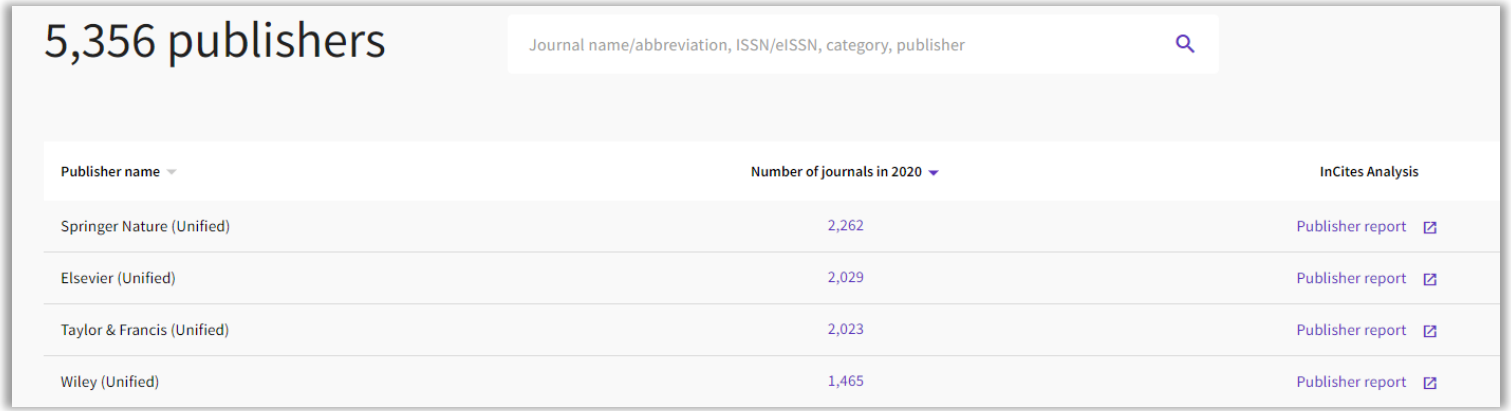
Streamline comparisons of selected journals

- 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





- 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.

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

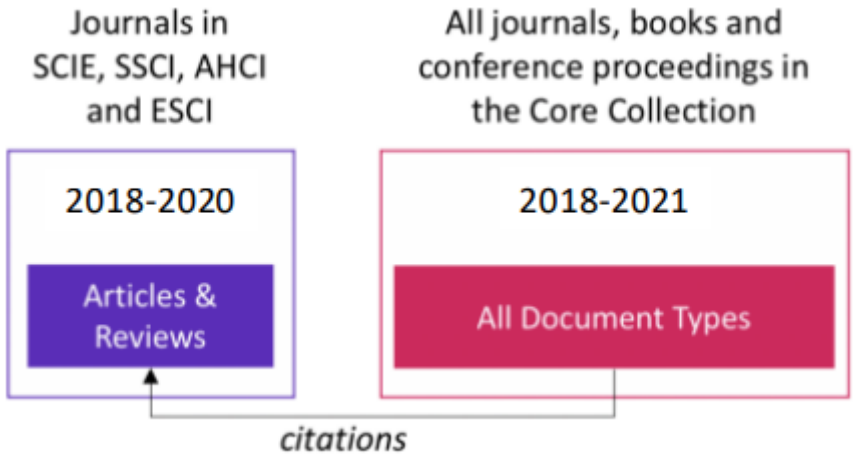
More Information:

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.

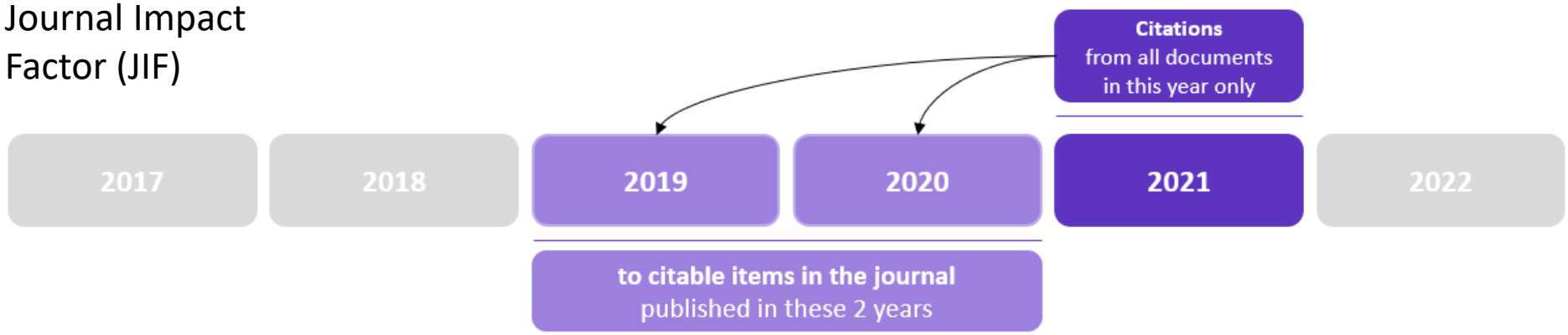
The value of the Journal Citation Indicator is the mean Category Normalized Citation Impact (CNCI) for all articles and reviews published in the most recent three years (e.g., between 2018 and 2020 for the 2021 indicator value).



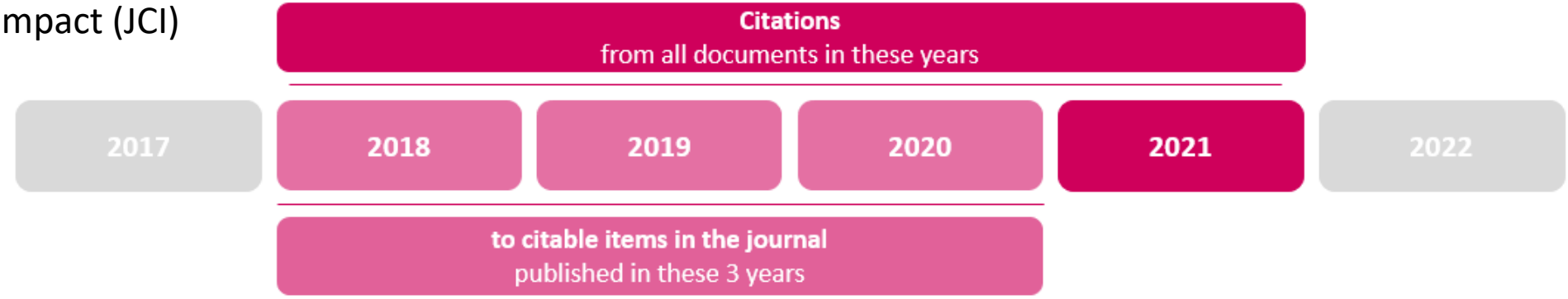
JIF versus JCI

These are complementary, but also different metrics

Journal Impact Factor (JIF)



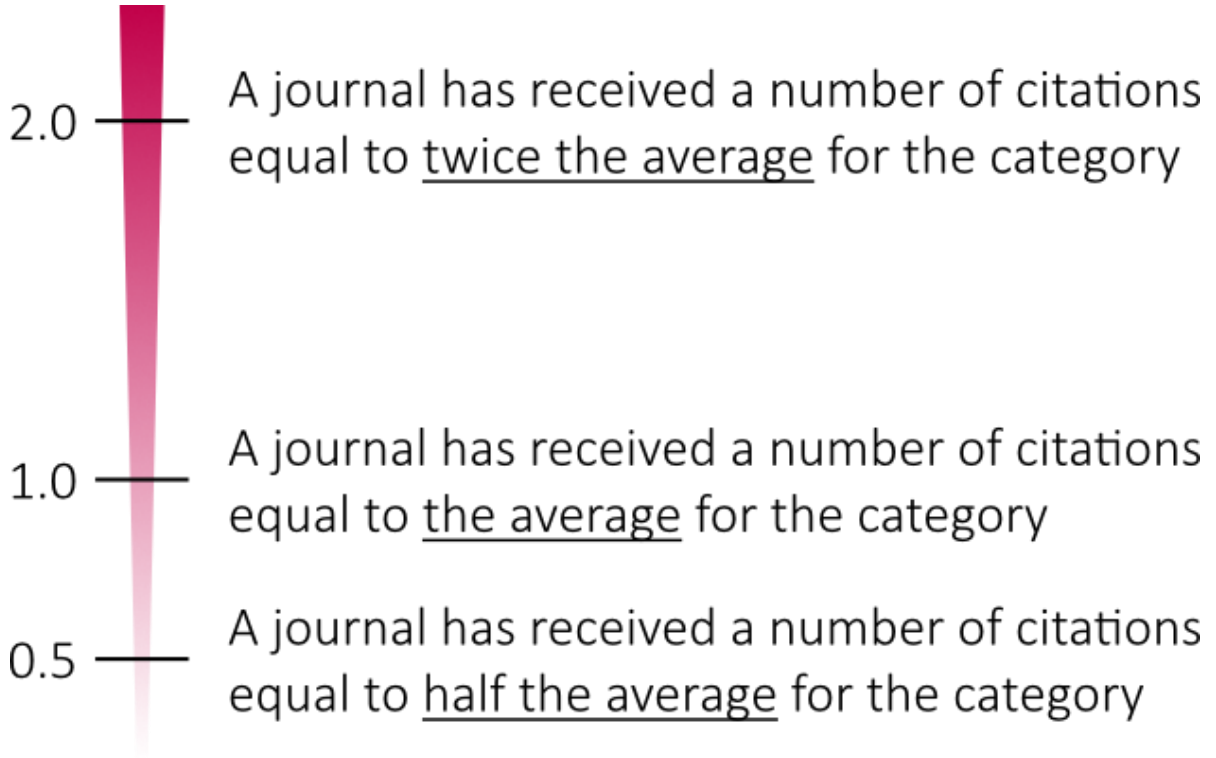
Journal Citation Impact (JCI)



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.



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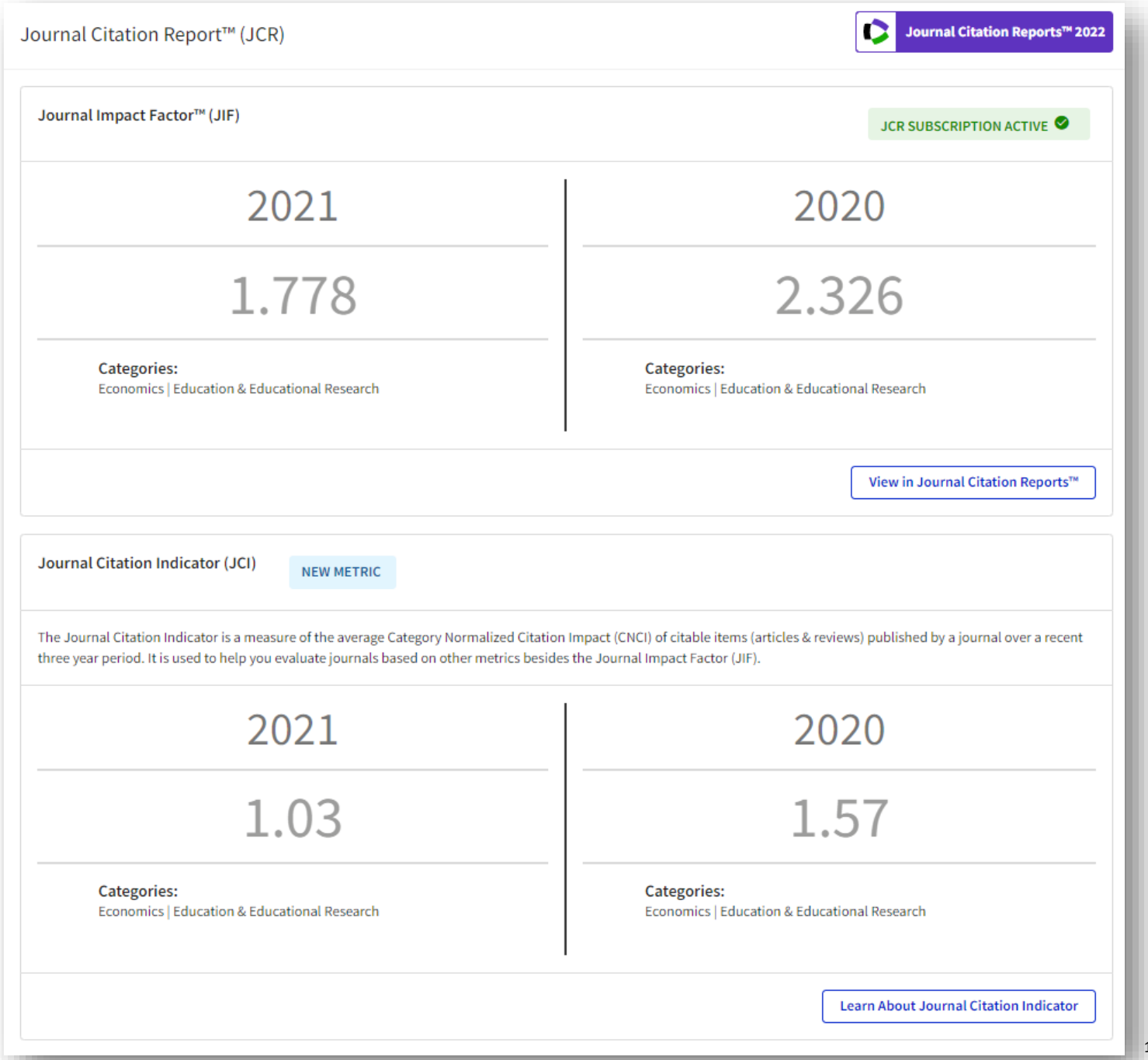
JCI in Master Journal List

- 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



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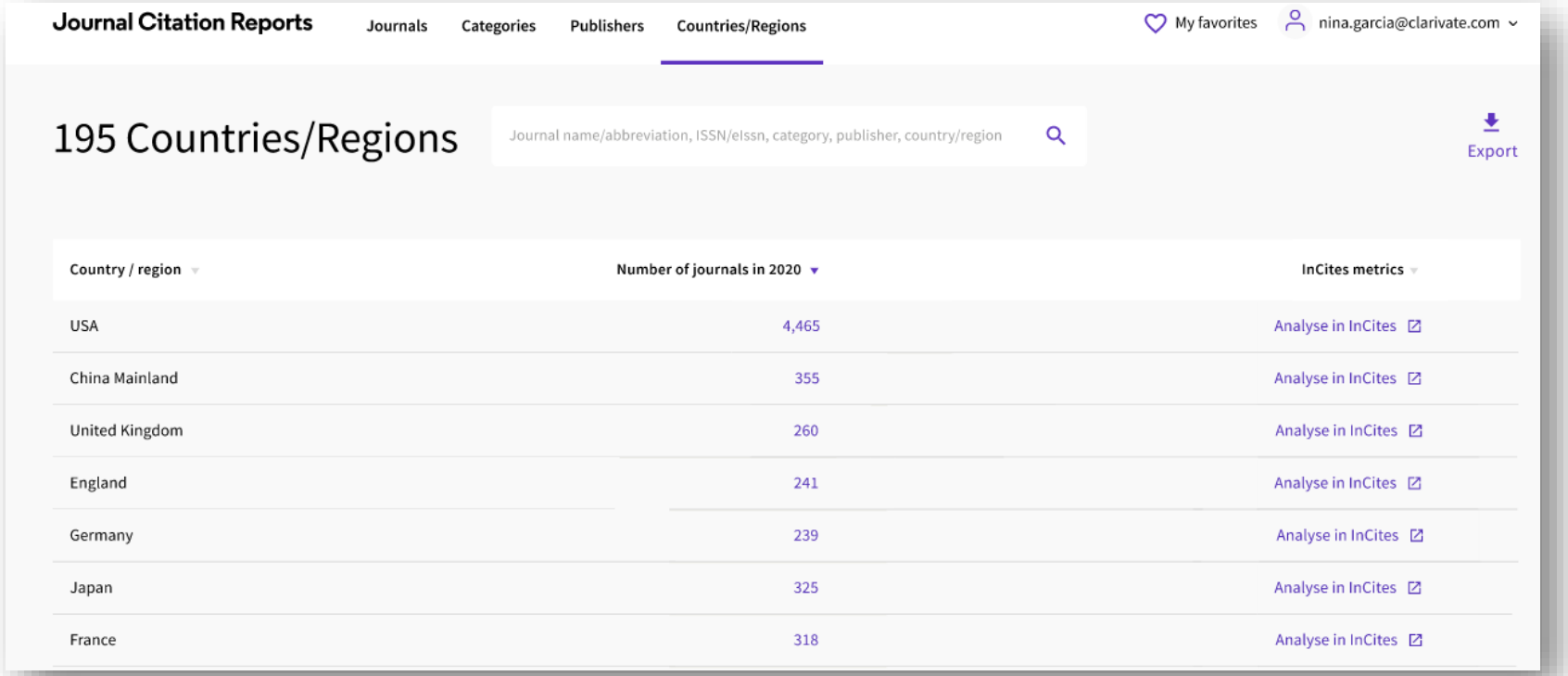
Where we're heading

Coming soon – Browse Countries/Regions



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

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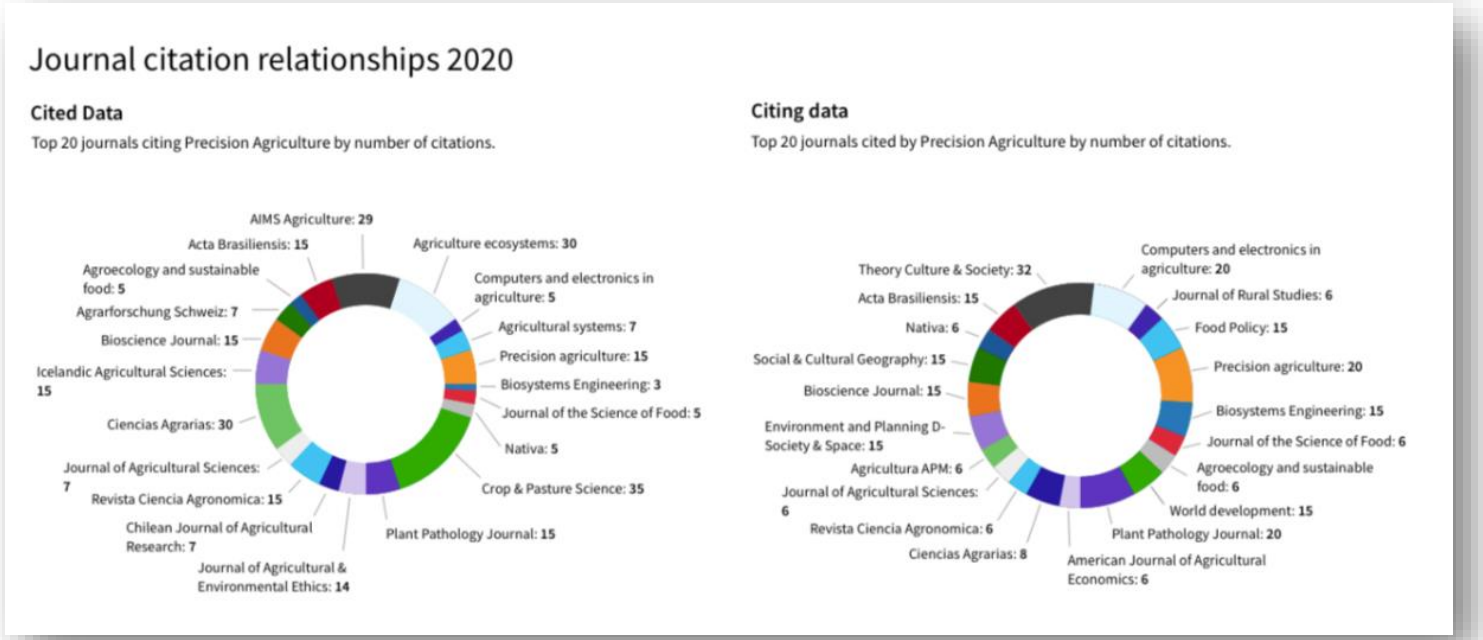
Coming soon – Journal Relationships



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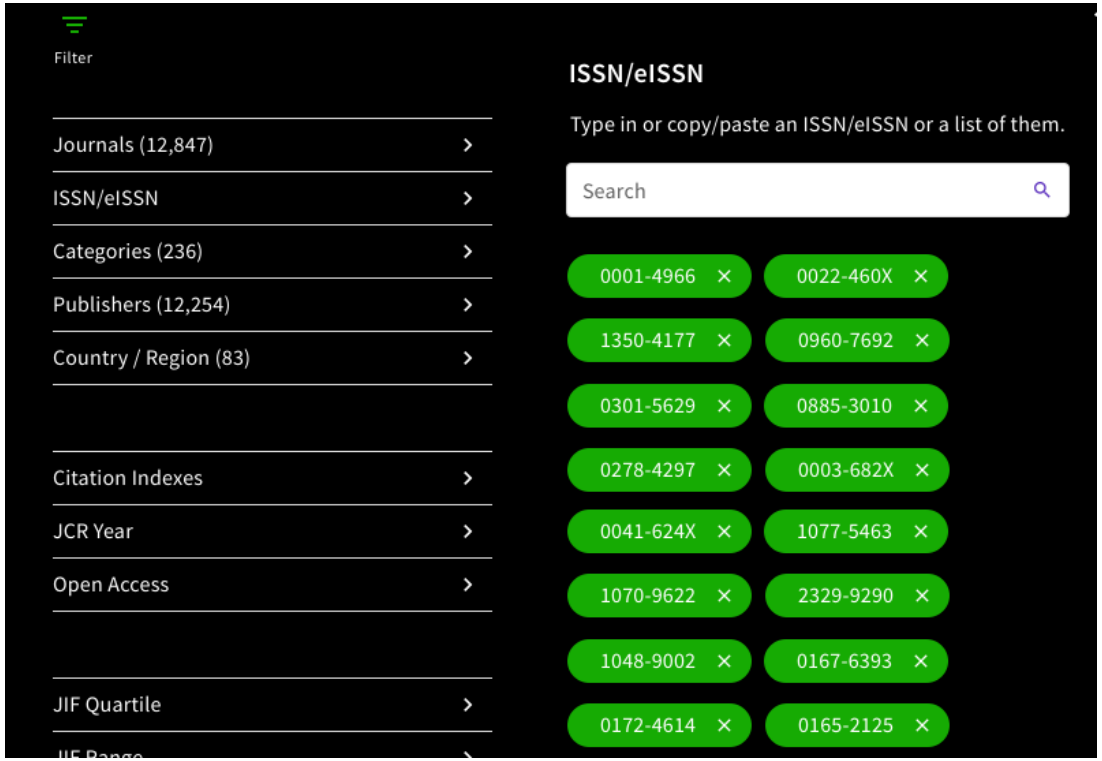
Coming soon – Browse Journals Updates

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



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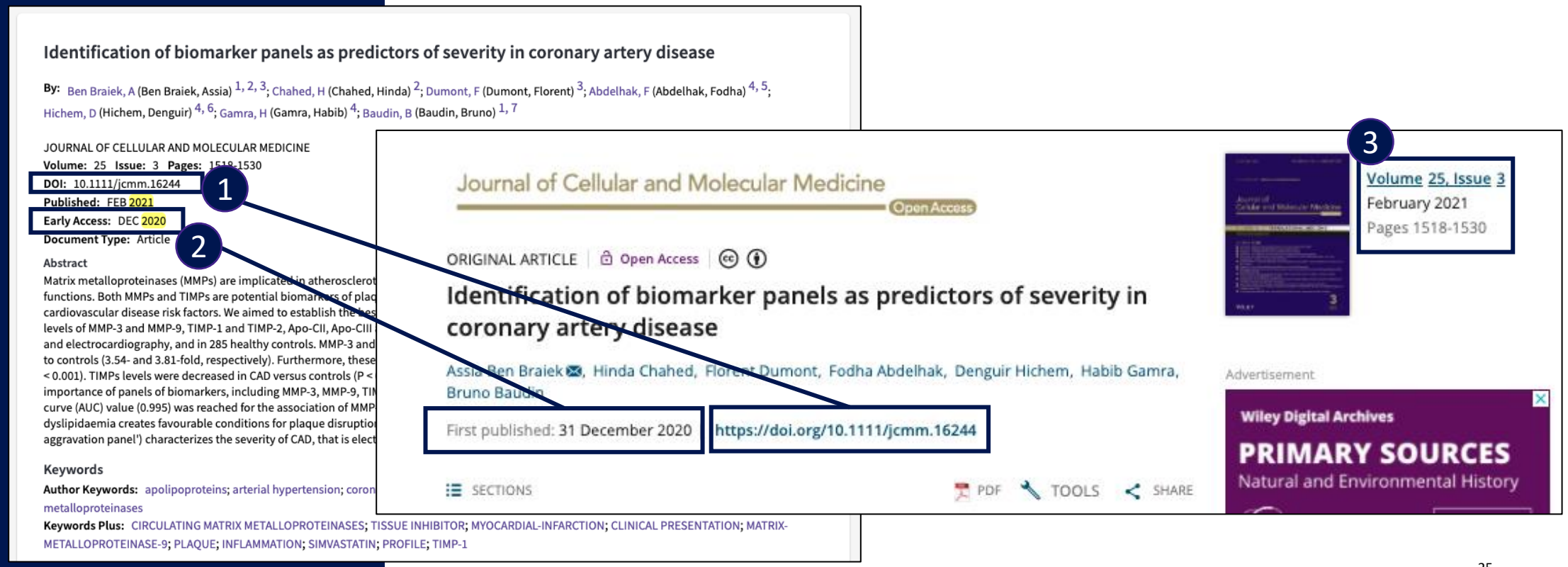
Early Access in the 2021 JCR

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 DOI [1] and distinct early access publication date [2]. When it is later published in an issue, it then has volume, issue, pages, and final publication date data [3].



*Accepted manuscripts and corrected proofs are not VOR.

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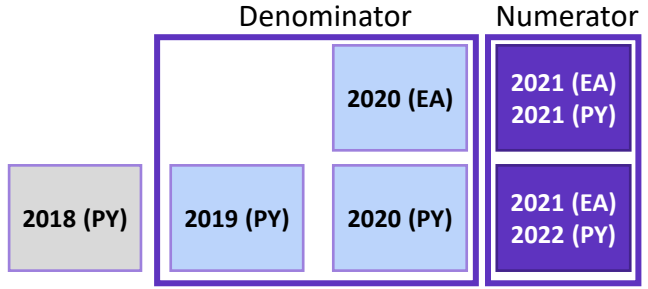
Example, Journal Onboarded 2020

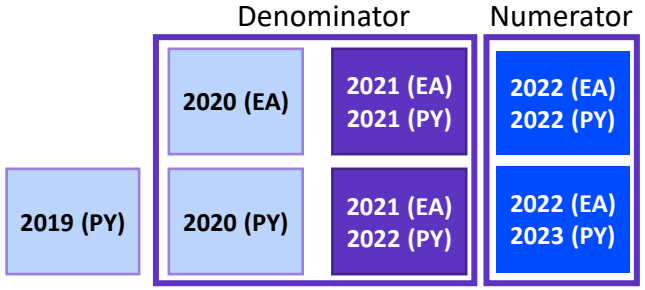
- 2021 Early Access content will appear as contributing to the JIF numerator

- 2020 items included last year will move to the JIF denominator as 2020 items

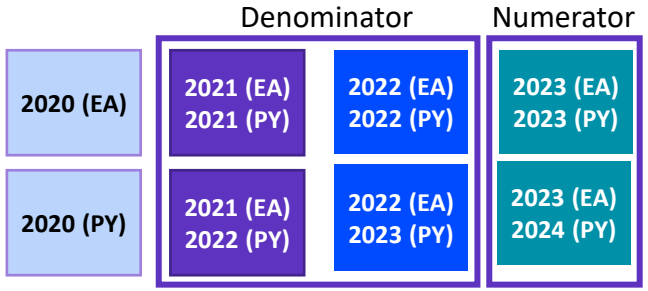
2021 Data



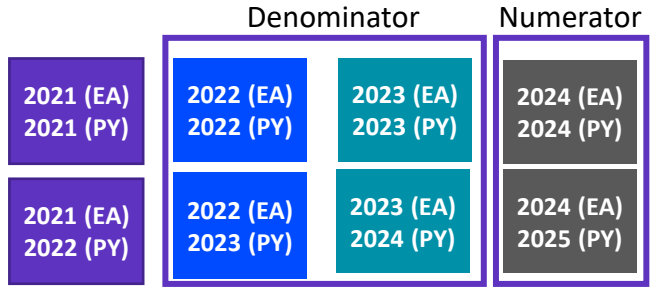
2022 Data



2023 Data



2024 Data



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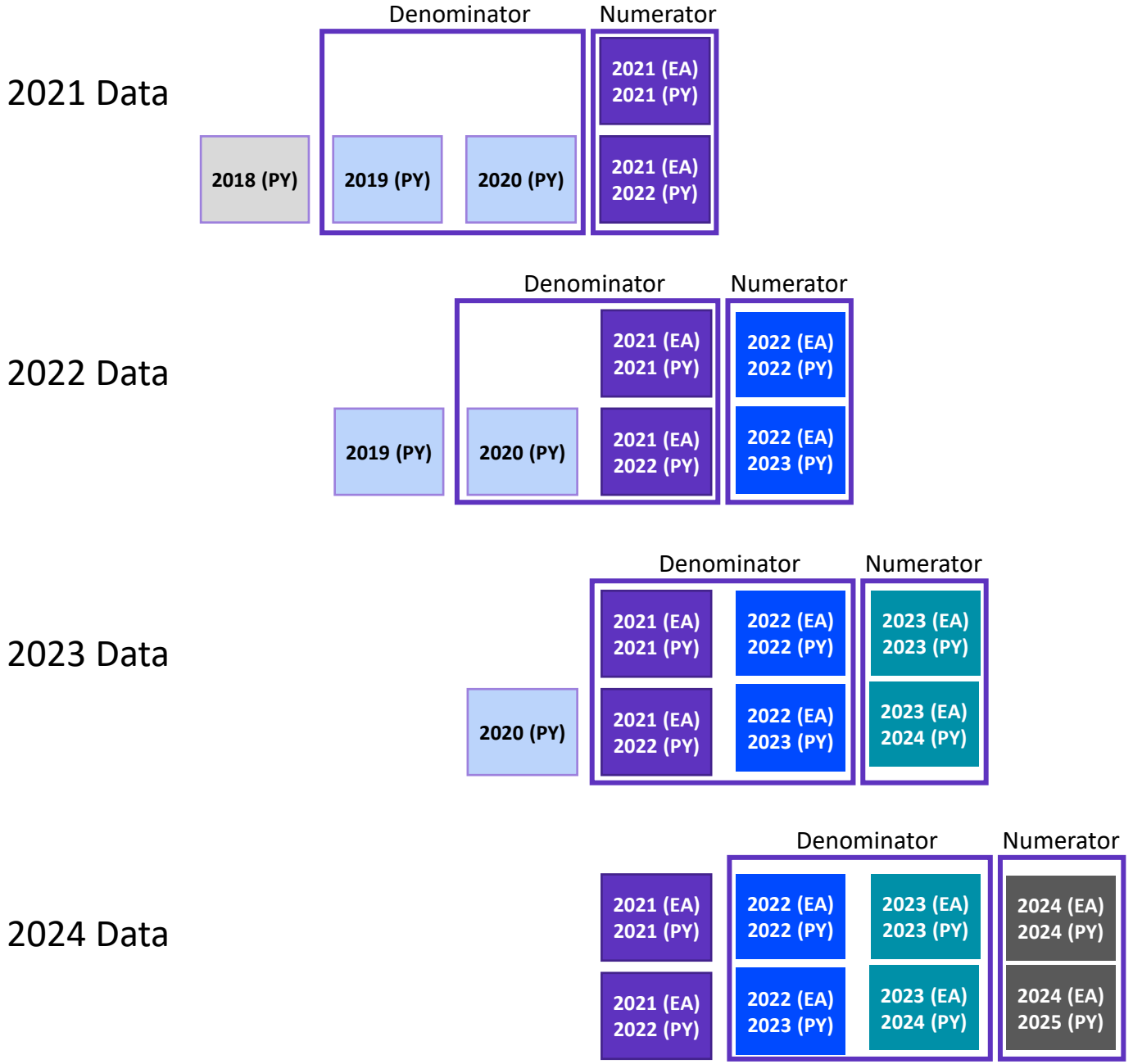
Example, Journal Onboarded 2021

- Citations from the Numerator have a distributed effect and **apply to all journals that material cites**

- **Journals onboarded later will have a similar transition**



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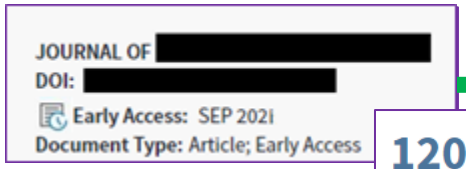
Early Access Citations

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

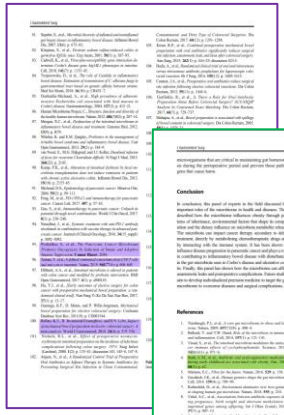
Early Access 2021 example with 2022 planned publication



120
Cited References

2021 citations to 2020 (7) or 2019 (16)

Contribution to 2021 JIF: 23

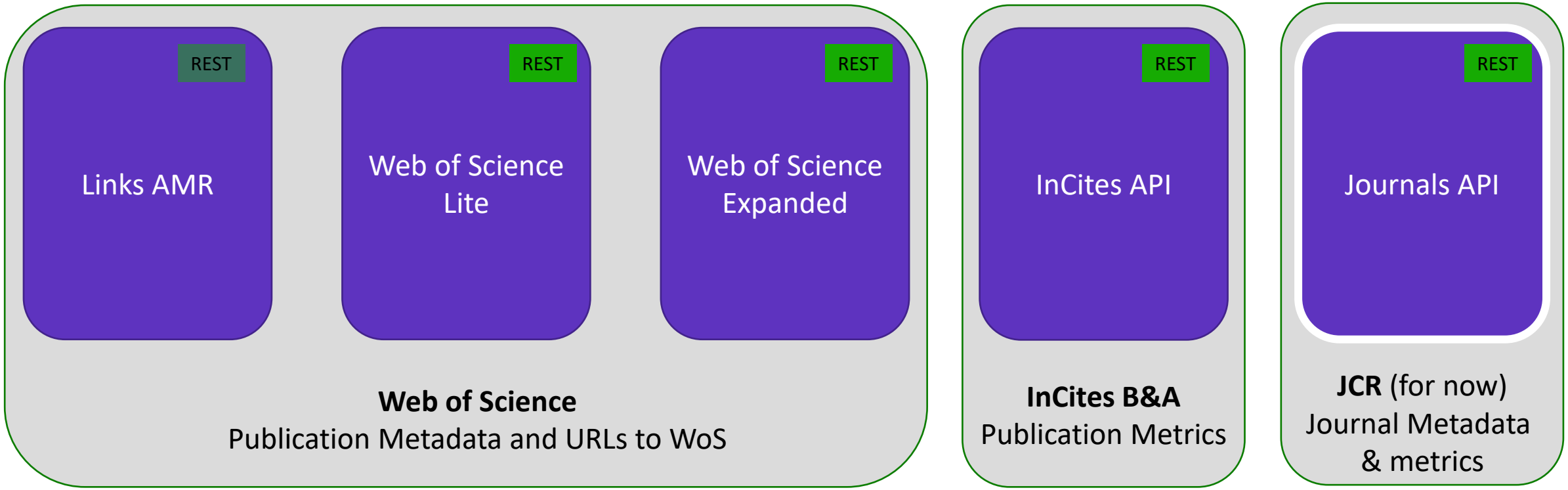


2022 citations to 2021 (0) or 2020 (7)

Contribution to 2022 JIF: 7

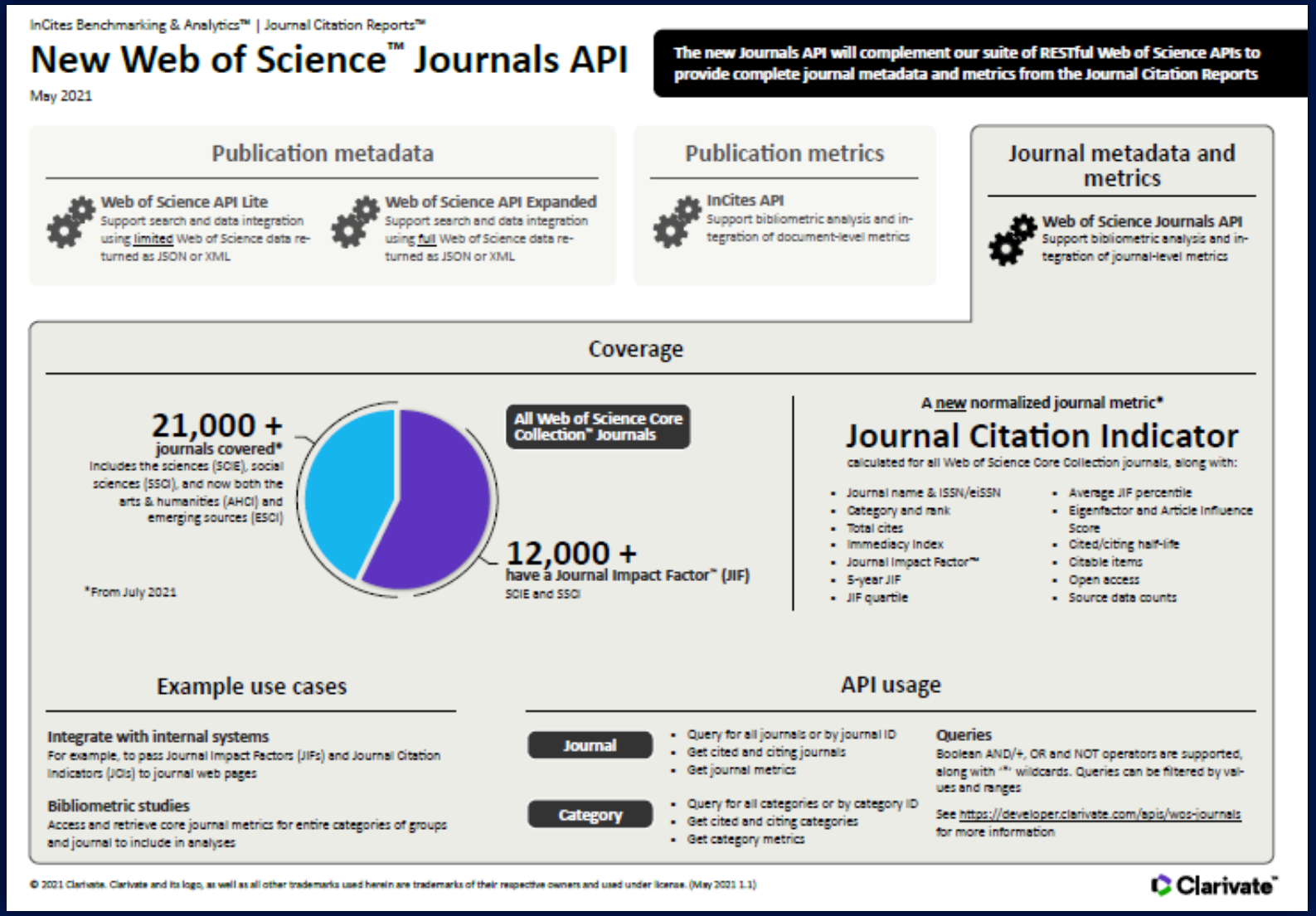
API Update

Our API portfolio



REST APIs are entitled via Developer Portal

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.



*For journals covered on our Web of Science Core Collection - via our Developer Portal.

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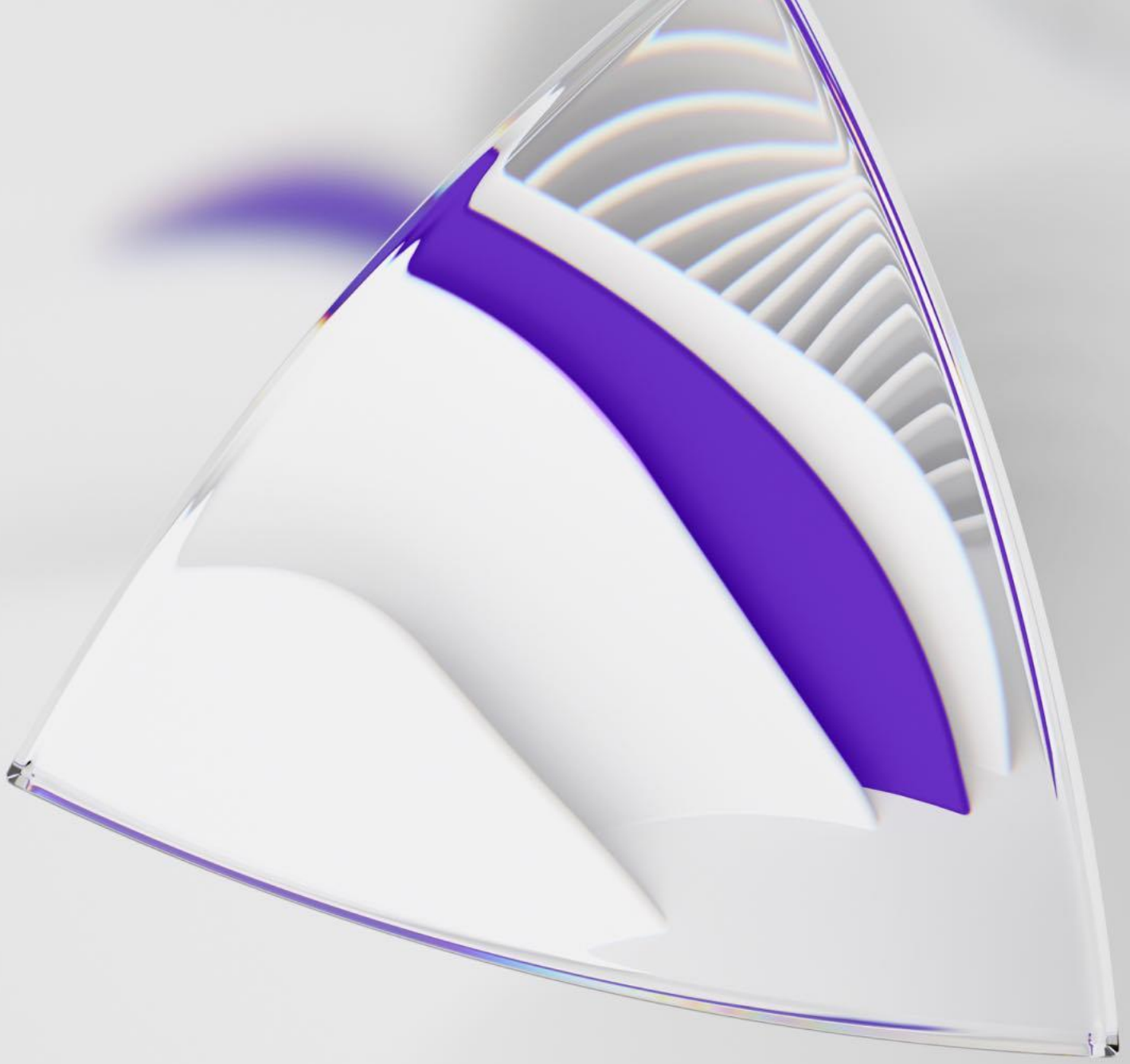
Thank you



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