

## Descubre el nuevo Journal Citation Reports 2021

Public webinar for Spain

Anne Delgado 21/07/2021



## Agenda

- 1. Overview of the Journal Citation Report
- 2. What's new in the 2021 release?
  - Expanded coverage
  - Early Access
  - New metric
  - New user interface
- 3. Journals API



# **Overview of the Journal Citation Reports**



## Ever growing scholarly publishing landscape

How do researchers and librarians at your institution assess scholarly journals?

<sup>1</sup>2018 STM Report <sup>2</sup>Listed in <u>DOAJ</u> July 2nd, 2021 <sup>3</sup>May 2020 <u>Economist article</u>



3 million papers per year<sup>1</sup>



42,500 scholarly journals<sup>1</sup>



16,562 open access journals<sup>2</sup>



13,000 "predatory" journals<sup>3</sup>



Find journals consistent with your values to showcase your research



Ensure your library collections support rigorous research and teaching



Make data-driven decisions about your open access strategy



## Why 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 and best quality journals in the sciences, social sciences and arts and humanities. Each journal profiled in JCR has met the **rigorous quality standards** documented in the Web of Science Core Collection <u>editorial selection process</u>.



#### **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**

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.



## Source Data – The Web of Science Core Collection

Our Journal Selection process is based upon both **quality** and **impact** criteria.

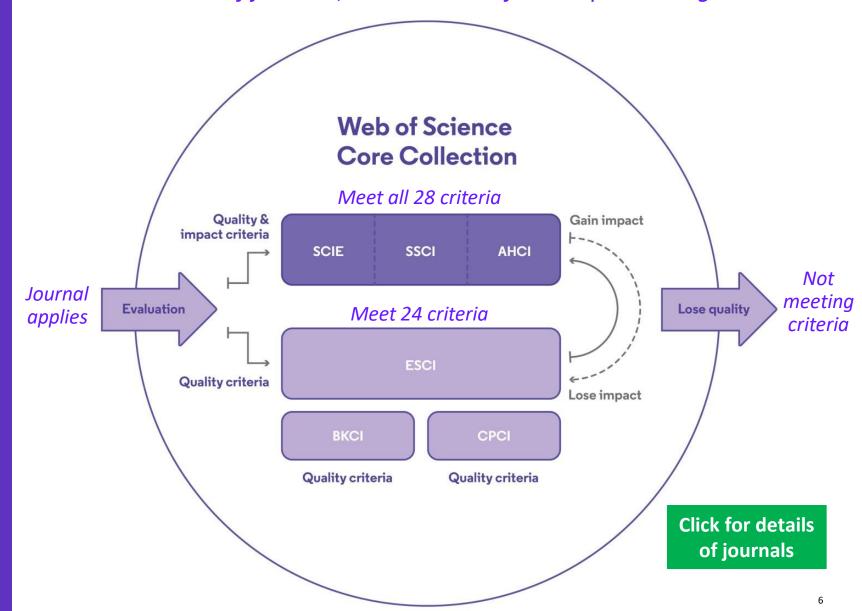
Journals that meet the **quality** criteria enter Emerging Sources Citation Index<sup>™</sup> (ESCI).

Journals that meet the additional **impact** criteria enter Science Citation Index Expanded™ (SCIE), Social Sciences Citation Index™ (SSCI) or Arts & Humanities Citation Index (AHCI) depending on their subject area.

All these journals will be in the 2021 Journal Citation Reports.

**©** Clarivate<sup>™</sup>

The Web of Science Core Collection is a trusted, high quality collection of journals, books and conference proceedings



# A long tradition of transparency

Since the publication of the first Journal Citation Reports (JCR) $^{\text{IM}}$  in **1976**, the Journal Impact Factor (JIF) $^{\text{IM}}$  has become a standard way to measure the citation impact of a journal.

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 an essential tool for publishers, collection development librarians and a reliable 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"

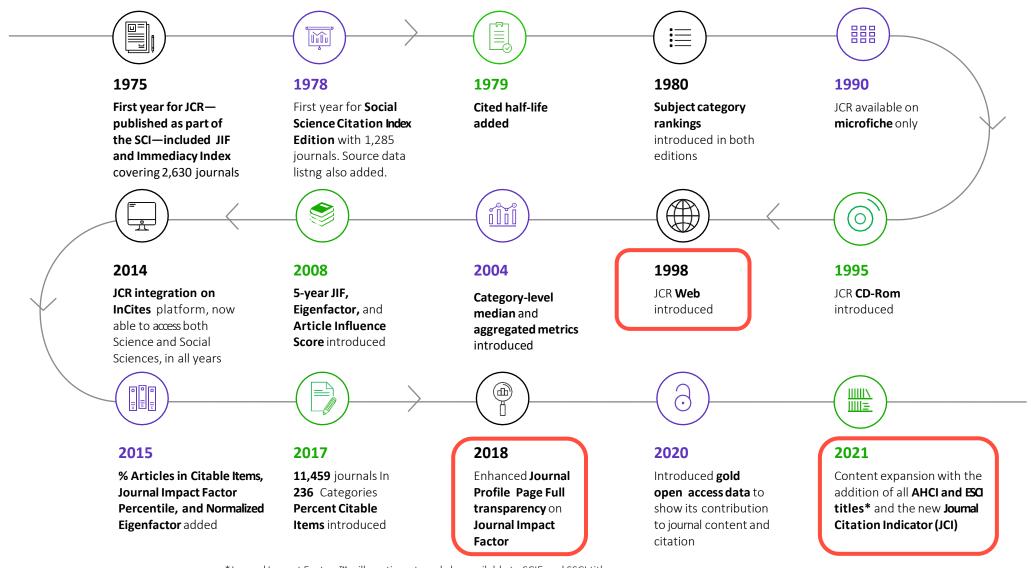
Preface to Journal Citation Reports, Volume 9 of the 1975 SCI



A <u>blog</u> on more JCR history



### **JCR Formats and Features Timeline**





## What's new in the 2021 release?



## **2021 Journal Citation Reports**

2020 Data



**20,942** Journals



**254** Categories



113
Countries



**12,281**Journals with an Impact Factor



**207**Journals with first time JIF



**14,050**Journals with at least 1% OA



**11**Journals suppressed



Journals with Editorial Expression of Concern

Here are the highlight numbers for this year's Journal Citation Reports

#### Welcome to the new Journal Citation Reports

We are excited to show you what is new in this year's Journal Citation Reports. You'll find:

- More journals we've expanded content to include Arts & Humanities and Emerging Sources Citation Index journals
- Journal Citation Indicator a new field-normalized metric for journals across all disciplines
- Enhanced user experience interactive visualizations, simpler navigation and contextual help make the JCR easier to use than ever.

Let us show you around!

NO THANKS

GET STARTED



### What is new in the JCR in 2021?



#### 70% more content

This year's release includes expanded coverage of the journal literature to reflect the **full breadth of research** covered in all the journals in the Web of
Science Core Collection<sup>TM</sup>
– including journals
covered in the Arts &
Humanities Citation Index
(AHCI)<sup>TM</sup> and the Emerging
Sources Citation Index
(ESCI)<sup>TM</sup>. **See here**.



#### **New normalized metric**

The new Journal Citation **Indicator** is a **field**normalized measurement of journal citation impact, providing a single journallevel metric that can be easily interpreted and compared across disciplines. It will be calculated for all journals in the Web of Science Core Collection<sup>TM</sup> – including those that do not have a Journal Impact Factor<sup>TM</sup>. You can find more information in our blog post.



## Inclusion of Early Access content

We're including Early
Access content in JCR to
more accurately reflect
the dynamic citation
environment of rapid
online publication. You
can find more
information in our blog
post series published
earlier this year.



#### **Revamped user interface**

New graphics will improve the user experience with simpler, more direct searching while providing a deeper look into the data – for example, a view of how a journal's metrics have evolved over time. More details in this **blog post**.

Click here for JCR details



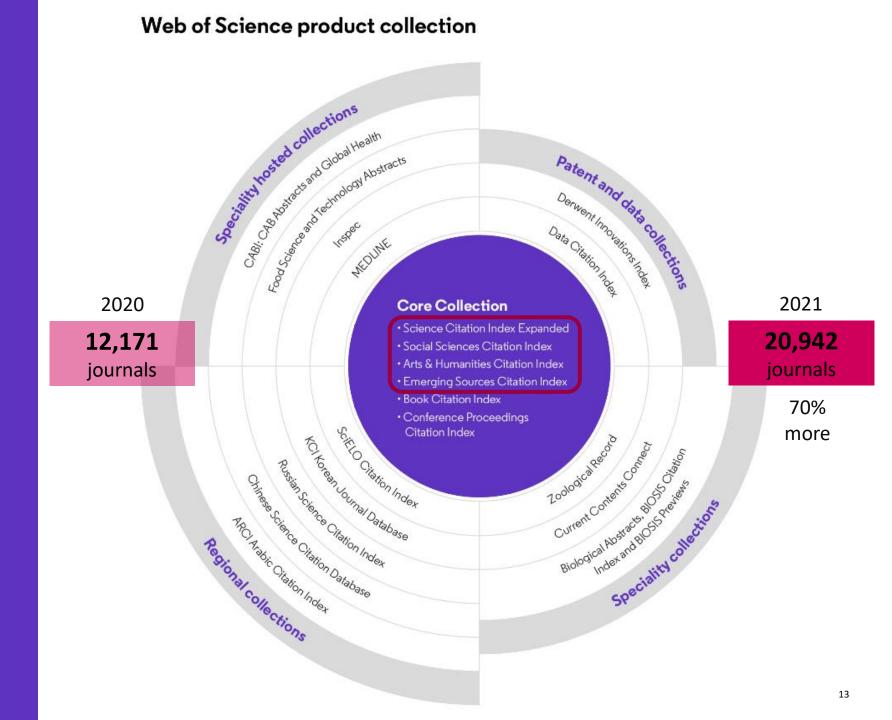
# **Expanded coverage**



# JCR expanded coverage

Since its beginning in 1975, only journals from Science
Citation Index and Social
Science Citation Index of Web of Science Core Collection were considered in JCR.

This year's edition of JCR will also include journals from Arts & Humanities Citation Index as well as journals from Emerging Sources Citation Index!





# >70% more journal profiles

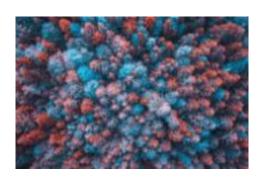
The JCR's coverage of journal literature will reflect the full breadth of research covered in **all the journals in the Web of Science Core Collection™**, including the Arts & Humanities Citation Index (AHCI)™ and the Emerging Sources Citation Index (ESCI)™.

The journals covered in AHCI and ESCI have met the same rigorous **Quality Criteria**, applied by our expert in-house editors, to those publications in the Science Citation Index™ and the Social Sciences Citation Index™. **Therefore, AHCI and ESCI merit coverage in the JCR**.

AHCI and ESCI journals will not be awarded a Journal Impact Factor but they will receive a new metric, the **Journal Citation Indicator**.

For the journals in the Emerging Sources Citation Index, this is because these journals have not yet met our **Impact Criteria**.

The Arts & Humanities Citation Index journals have met the **Impact Criteria**. However, compared to the clinical, natural and social sciences, Arts & Humanities differ significantly regarding the type of content that is considered to be of scholarly importance, norms for reviewing content, and citation behaviour.





## AHCI and ESCI journals will also receive several other metrics

Journals from **Arts and Humanities** and **Emerging Sources Citation Index** will now receive new range of metrics available for performance evaluation:

- Journal Citation Indicator
- % of OA Gold
- Immediacy Index
- Eigenfactor Score
- Normalized Eigenfactor Score
- Article Influence Score
- Citing Half-Life
- Cited Half-Life

Total Citations	•	2020 JCI +	% of OA Gold 👻	Eigenfactor 🕶	Normalized Eigenfactor	Article Influence • Score	Citing Half- Life	Cited Half- Life	% of Articles • in Citable items	→ Citable Items →	Immediacy Index	▼ Total Articles ▼
17,761		1.94	11.67 %	0.01111	2.32878	1.349	12.3	10.6	99.24 %	132	1.015	131

They will also all have their own profile page, allowing you to see a complete picture of their activities.



# **Early Access**



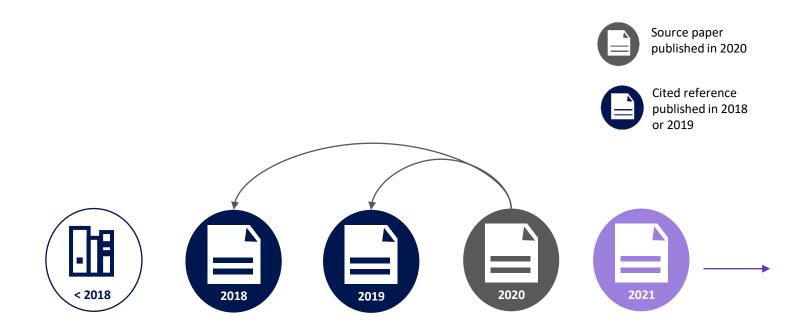
# How is the JIF calculated

JIF metrics are available to all active journals in the following editions:

- Science Citation Index Expanded
- Social Science Citation Index

The JIF is defined as citations to the journal in the JCR year to items published in the previous two years, divided by the total number of scholarly items, also known as citable items, (these comprise articles and reviews) published in the journal in the previous two years.

The JCR year is the last complete year within that year's JCR data set. For example, the JCR year for the 2021 release is 2020.



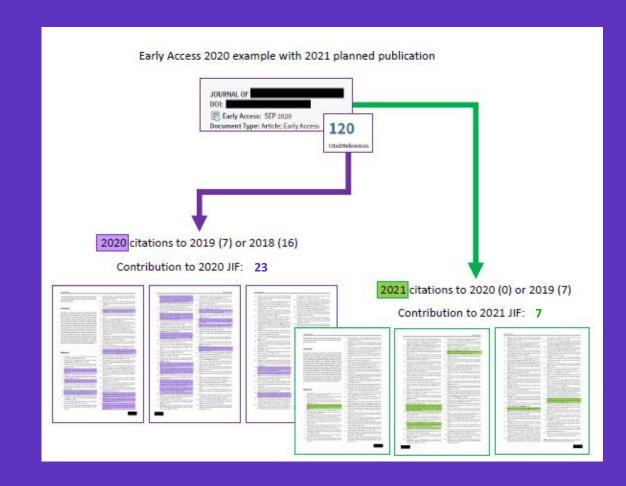
## **Early Access**

The expanded coverage in the 2021 JCR release will also introduce **Early Access** articles, reflecting the earliest availability of new research as it appears in the "version of record" prior to official publication.

Early Access content typically has a higher contribution to JIF when counted by the early access date. Most Early Access items have an early access date and final publication date within the same year.

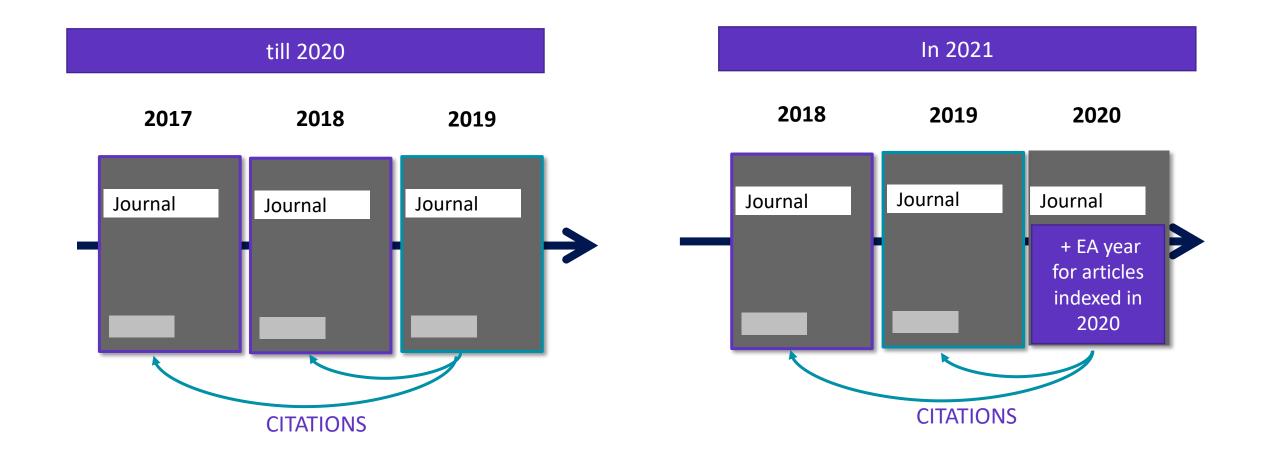
The treatment of these items in JCR will not change under the new policy.

For indexed items where the early access date is in a different year from the final publication date, we will *only* use the early access date, starting with content indexed in 2020.





## JIF calculation to include citations from Early Access documents



You can find more information in our <u>blog post series</u> published earlier this year.



# Journal Impact Factor calculation including early access content

We have set the **2020 JIF** as the first year for which EA content is considered according to its EA date, rather than its publication date.

We will continue to incorporate EA content in subsequent years.

See our <u>report</u> for more background on our decision making process.

#### JIF calculation in 2021

#### Citations in:

- Items with Early Access year 2020
- Items with Early Access year 2019 or earlier and with a 2020 final publication year (this applies to 2020 JIF calculation only)
- Non-Early Access items with a final publication year of 2020
   To: items published in 2018 and 2019

Number of articles&reviews with a **final publication date** of **2018** and **2019**.

## JIF calculation in the next years

2021 JIF =

**2020** JIF =

Citations in 2021 to items published in 2019 + 2020

2022 JIF =

Citations in 2022 to items published in 2020 + 2021

. -

Number of articles & reviews published in 2019 & 2020

Number of articles & reviews published in 2020 & 2021

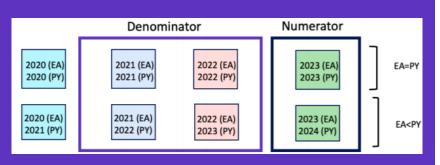
Years in purple already includes early access content

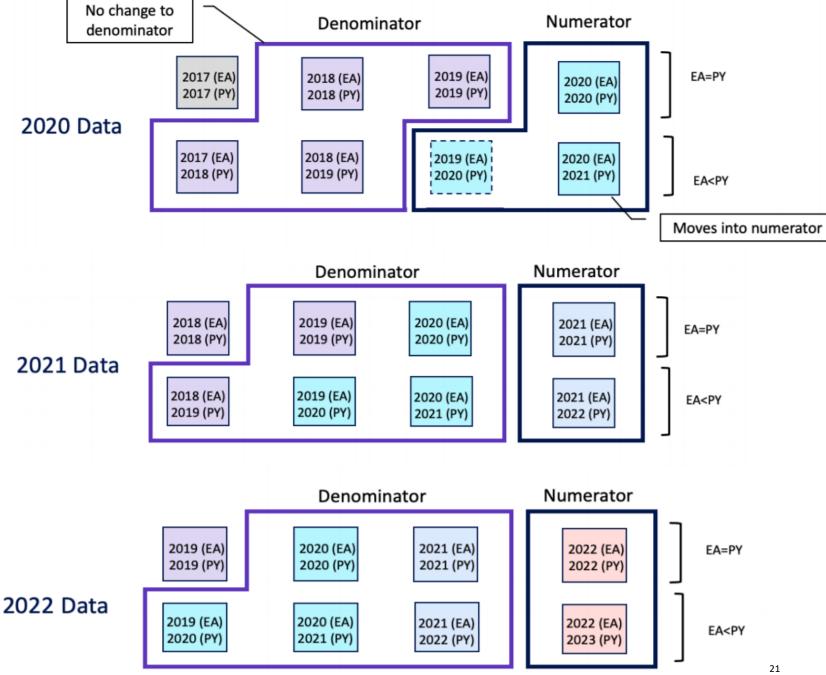


# Journal Impact Factor calculation including early access content

The diagram opposite shows how the process will develop over the next few years.

The 2024 JCR (2023 Data) will see this initial set of EA data drop out of the calculation as shown below.







## New metric

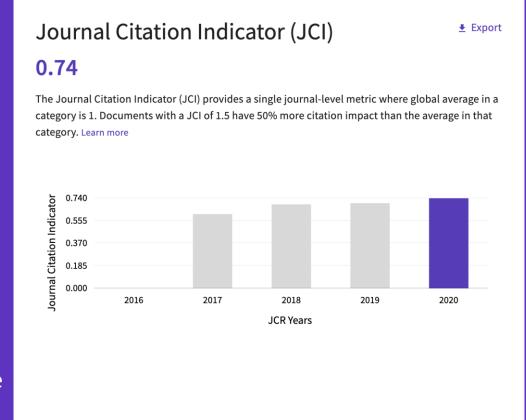


## Introducing the new Journal Citation Indicator

Assess journal performance with additional context

The Journal Citation
Indicator harnesses another
Clarivate measure: Category
Normalized Citation Impact
(CNCI), a metric found in
InCites.

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 a journal's impact.
- A Journal Citation Indicator above 1 shows the journal has performed above the global average. Below 1, it has preformed below the global average.



# New metric, new context

Read the full details on the JCI here.

The Journal Citation Indicator is a new field-normalized metric that will be calculated for all journals in the Web of Science Core Collection.

#### Understanding normalization

This is effectively a process to ensure *like* is compared with like and to produce metrics that can be more effectively compared. CNCIs are calculated for each document and the JCI as the average.

#### **Document type**

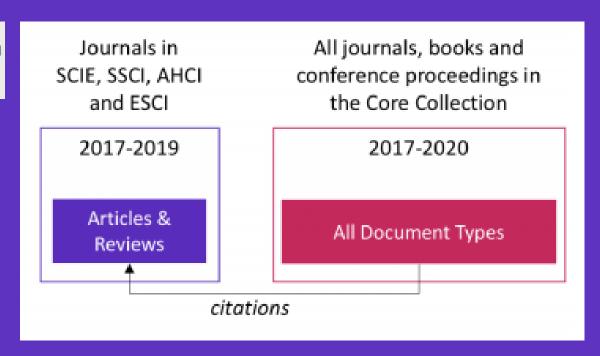
Reviews are only compared with reviews, articles with articles

#### **Publication year**

Documents are only compared with documents published in the same year

#### Subject category

Documents are only compared with documents published in the same category. For documents in multiple categories, the mean of the normalized citation impact for each category is calculated

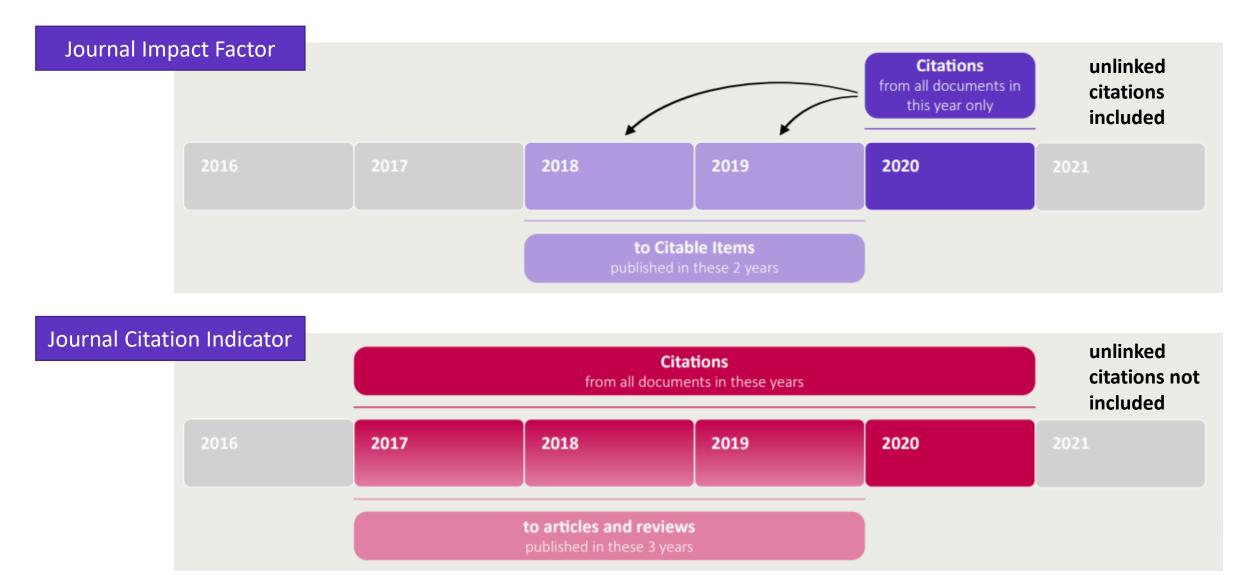


The JCI's calculation on three years of publications, contrasts with the two-year window employed for the JIF.

This three-year calculation enables the JCI to be as current as possible, while also allowing more time for publications to accrue citations.



## Journal Impact Factor and Journal Citation Indicator calculation





# Journal Citation Indicator & Journal Impact Factor

The **Journal Citation Indicator** (JCI) is designed to **complement** the Journal Impact Factor™ (JIF) — the original and longstanding metric for journal evaluation — and other metrics currently used in the research community.

In addition to the use of **normalization**, there are several key differences between the JCI and the JIF, as shown in this table:

Note: the JIF calculation is based on citations made in the current year, while the JCI counts citations from any time period following publication, up to the end of the current year.

Feature	Journal Impact Factor	Journal Citation Indicator
All Web of Science Core Collection journals Table 1 – Comparison of Journal Citation Indic	<b>N</b> ator to JIF	Υ
Field-normalized citation metric	N	Υ
Fixed dataset	Υ	Υ
Counts citations from the entire Core Collection	Υ	Υ
Counts citations from the current year only	Υ	N
Includes Early Access (EA) content from 2020 onward	Υ	Υ
Includes unlinked citations	Υ	N
Fractional counting	N	N

The JCI will bring citation impact metrics and providing this information will increase exposure to journals from all disciplines, helping users to understand how they compare to more established sources of scholarly content.



The Journal Citation Indicator (JCI) is designed to *complement* the Journal Impact Factor (JIF) and other metrics currently used in the research community.

As this example shows, the two are not the same.

Explore several angles of a journal's development with the wide range of metrics in Journal Citation Reports.

#### Rank by Journal Impact Factor Journals of a category are sorted by Journal Impact Factor resulting in the Category Ranking below. This is presented by year in descending order for each category in which the journal is ranked in JCR. Science Citation Index Expanded (SCIE) Science Citation Index Expanded (SCIE) COMPUTER SCIENCE, INFORMATION SYSTEMS **TELECOMMUNICATIONS** 52/91 90/162 JIF QUARTILE 90/162 Q3 44.75 2020 52/91 43.41 2019 72/156 Q2 54.17 2019 43/90 52.78 55.81 2018 2018 69/155 40/88 2017 2017 41/87 42.12 2016 50/89 • > Rank by Journal Citation Indicator (JCI)

Category ranking is presented by year in descending order for each category in which the journal is ranked in both the JCR and ESI. Journal Citation Indicator table also includes the Quartile and JCI Percentile for each year. Learn more

CATEGORY

COMPUTER SCIENCE, INFORMATION SYSTEMS 94/223					1S	TELECOMMUNICATIONS 47/105				
	JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE		JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE	
	2020	94/223	Q2	58.07		2020	47/105	Q2	55.71	
	2019	93/155	Q3	40.32		2019	45/90	Q2	50.56	
	2018	96/151	Q3	36.75		2018	47/88	Q3	47.16	

32.76

CATEGORY



41.28

## New user interface



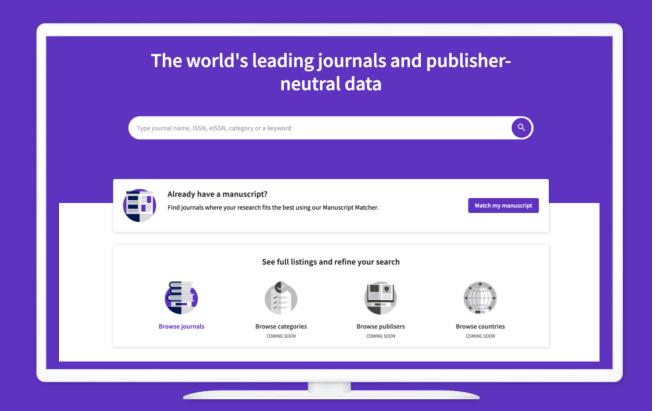
### **New User Interface**

## **User-friendly display**

Easily explore the complex data of Journal Citation Reports and extract insights faster.

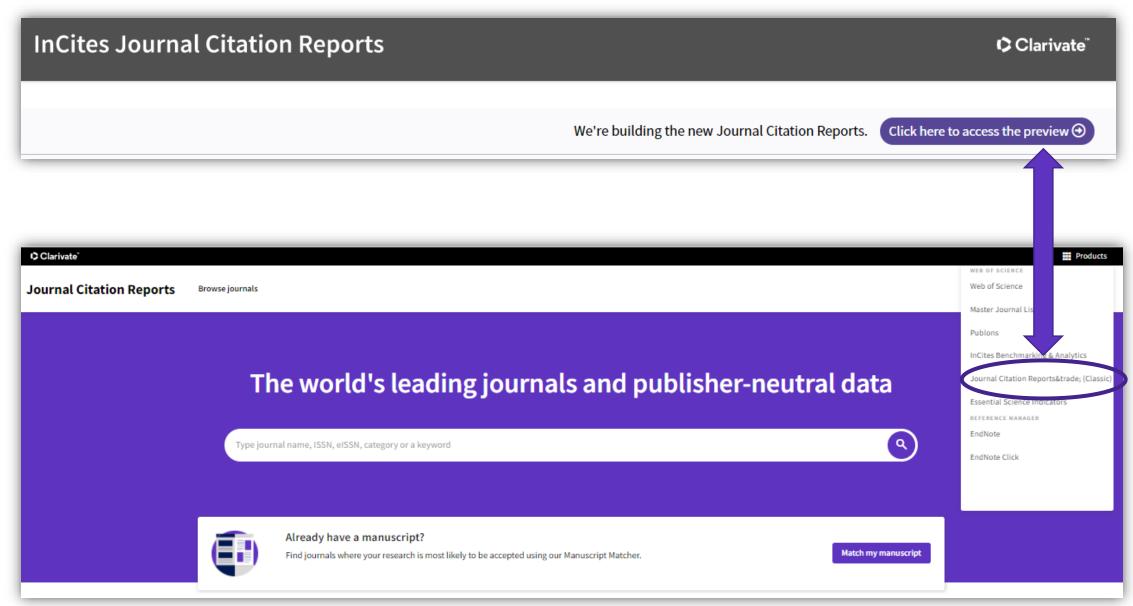
## **Continuous updates**

JCR will continue to be updated throughout the year, adding new features (data will remain static).





## Dual Access from launch for the remainder of 2021



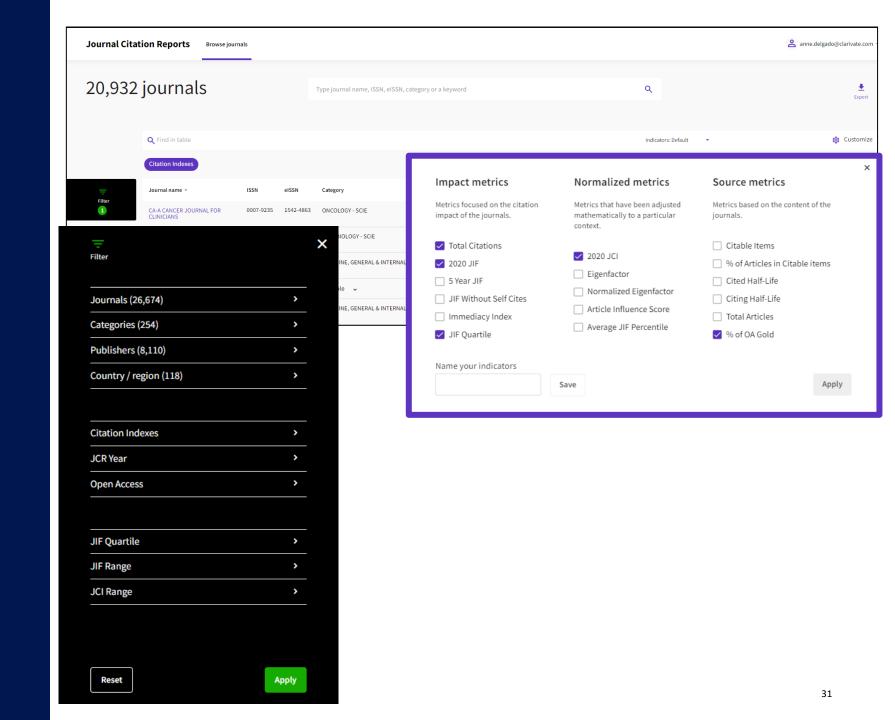


### **Browse Journals**

Modernised interface

Registered users can now customize and save their preferred indicators as their default, for quicker assessments.

Filters have been added as a pop out panel to allow drilling down without impacting the display area.



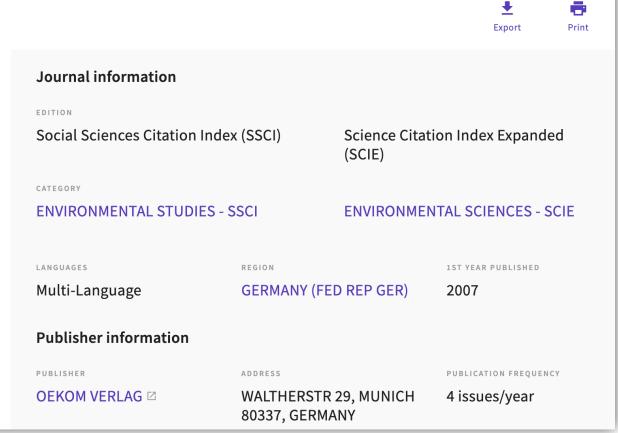


## Journal profile

In a single page – Ongoing transparency

Journal titles have been deduplicated, with individual titles displayed as a single entity, even if the given journal is covered in different editions of the Web of Science Core Collection™ or, over time, has changed its ISSN/EISSN.







## **Intuitive ranking**

Compare JIFs in all categories, side by side

This journal is listed in Nursing-SCIE and Nursing-SSCI.

In SCIE it is a Q3 journal but a Q2 in SSCI. With this new UI,
it is easier to understand how the context of the category affects the
rank, quartile and percentile across different categories

#### Rank by Journal Impact Factor

Journals of a category are sorted by Journal Impact Factor resulting in the Category Ranking below. This is presented by year in descending order for each category in which the journal is ranked in JCR.

Learn more

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

NURSING

63/124

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE	
2020	63/124	Q3	49.60	
2019	99/123	Q4	19.92	
2018	104/120	Q4	13.75	
2017	110/118	Q4	7.20	
2016	94/116	Q4	19.40	

EDITION

Social Sciences Citation Index (SSCI)

CATEGORY

NURSING

61/122

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE	
2020	61/122	Q2	50.41	
2019	97/121	Q4	20.25	
2018	102/118	Q4	13.98	
2017	107/115	Q4	7.39	
2016	91/114	Q4	20.61	



### **Interactive Charts**

New hover over interactive charts, with clickable show/hide series. The Citation Distribution chart has a new zoom slider to allow focusing on a particular section in more detail.

#### Citation distribution

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

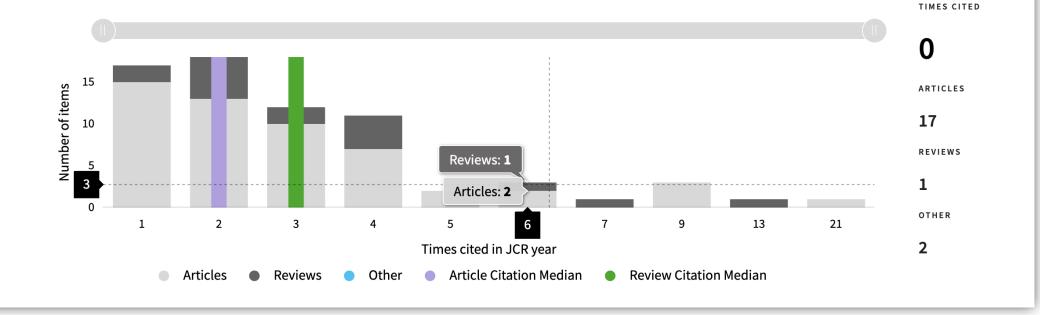
2

REVIEW CITATION MEDIAN

3

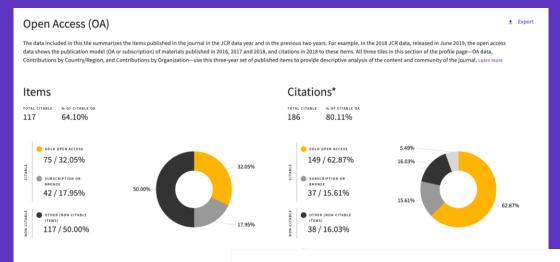
UNLINKED CITATIONS

34



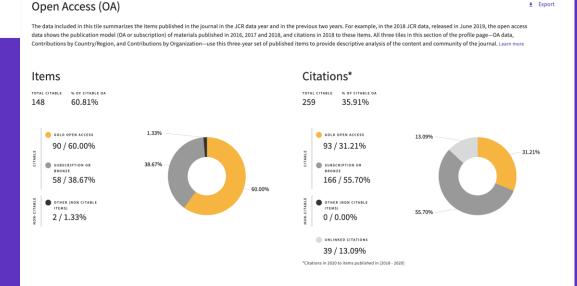


## Make confident decisions about your open access strategy Transparent open access data in the JCR



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

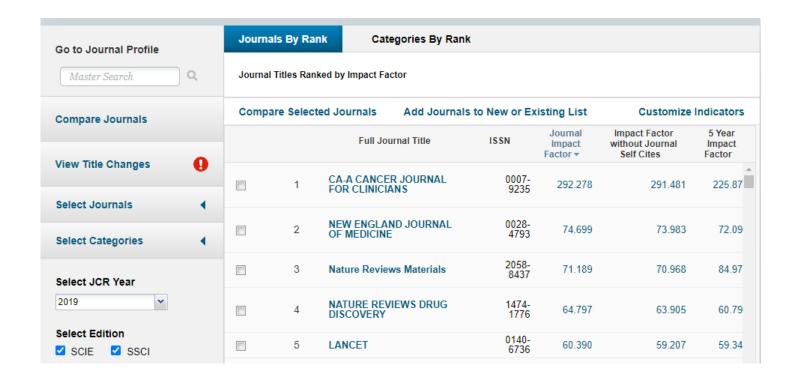
Example 2: 60% OA publications get 31% of the citations



- 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
- Descriptions have also been added to aid understanding



## "Classic" Journal Citation Reports



https://jcr.clarivate.com/

- Updated with new JCR data
- Compare SCIE and SSCI journals using already known metrics
- View the journal summary page for SCIE and SSCI journals
- Dual access to the classic platform be still provided however all new metrics are only avaiable on new platform



# Journals API



In lieu of the JCR Metrics file, we now offer a new Journals API.

This will support use cases requiring the loading of journal data, along with metrics such as the Journal Impact Factor and the new Journal Citation Indicator.

This is a separate subscription.

InCites Benchmarking & Analytics™ | Journal Citation Reports™

#### New Web of Science™ Journals API

#### **Publication metadata**



Web of Science API Lite support search and data integration using limited Web of Science data re-



Web of Science API Expanded Support search and data integration using full Web of Science data re-

#### **Publication metrics**



Support bibliometric analysis and integration of document-level metrics

#### Journal metadata and metrics

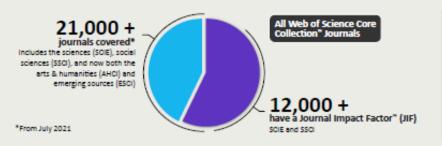


The new Journals API will complement our suite of RESTful Web of Science APIs to

provide complete journal metadata and metrics from the Journal Citation Reports

Web of Science Journals API

#### Coverage



#### 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
- Immediacy Index
- Journal Impact Factor™

API usage

- 5-yearJIF
- JIF quartile

- Average JIF percentile
- · Eigenfactor and Article Influence
- · 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

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

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

Boolean AND/+, OR and NOT operators are supported, along with "" wildcards. Queries can be filtered by val-

See https://developer.clarivate.com/apis/wos-journals

for more information

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



## More resources



## More resources for users



## How to find the right journal for your research (using actual data)



JOANNA WILKINSON

Clarivate





Want to help your research flourish? We share tips for using publisher-neutral data and statistics to find the right journal for your research paper.

The right journal helps your research flourish. It puts you in the best position to reach a relevant and engaged audience, and can extend the impact of your paper through a high-quality publishing process.



# More resources for publishers and editors

## **Editorial selection process**

Web of Science Core Collection

Learn more about selection and criteria

# Promote your inclusion in Web of Science Journal Citation Reports

When you're evaluating your journal's performance, its value can't be measured with a single number.

This guide will help you understand the data included in Journal Citation Reports<sup>TM</sup> so that you can promote your journals responsibly.

Learn how to promote your inclusion

### Web of Science Publisher Portal



The Web of Science™ Publisher Portal will soon be open to all publishers, improving the journal submission process.

The Portal allows publishers to securely log in and submit journals for inclusion in the Web of Science Core Collection™ and provides a way to view the status of all submitted journals.

As a necessary step to support this transition, there will be some downtime with the current journal submission process. Here's what you need to know:

#### From 7 April:

All Journal submissions through the Master Journal List™ an

#### In July:

Instructions for how to register for a Publisher Portal account Journal List account, will not be required to register separat IMPORTANT - All journals that have not received a decision regarding inclusion so far will have to be re-submitted through the Publisher Portal

#### Welcome

Understand and compare journal performance with contextual metrics



Clarivate

lan Potter Product Manager



Marie McVeigh Head of Editorial Integrity



Miguel Garcia Product Director

- 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





# Thank you



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