

# Ediția 2021 Journal Citation Reports

Adriana FILIP - Solutions Consultant  
[adriana.filip@clarivate.com](mailto:adriana.filip@clarivate.com)

*Iunie 2021*

# Peisajul publicațiilor academice în continuă dezvoltare

Cum evaluează cercetătorii și bibliotecarii din instituția dumneavoastră revistele academice?



**Găsiți reviste în  
concordanță cu valorile  
dumneavoastră pentru  
a vă prezenta  
cercetarea**



**Asigurați-vă că  
colecțiile bibliotecii  
dumneavoastră sprijină  
cercetarea riguroasă**



**Luați decizii cu  
privire la strategia  
de acces deschis**

# Journal Citation Reports (JCR)

Luăți decizii cu ajutorul statisticilor obiective



## Selectivitate

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 and impact standards** documented in the Web of Science Core Collection editorial selection process.



## Controlul calității

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.



## Transparență

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.



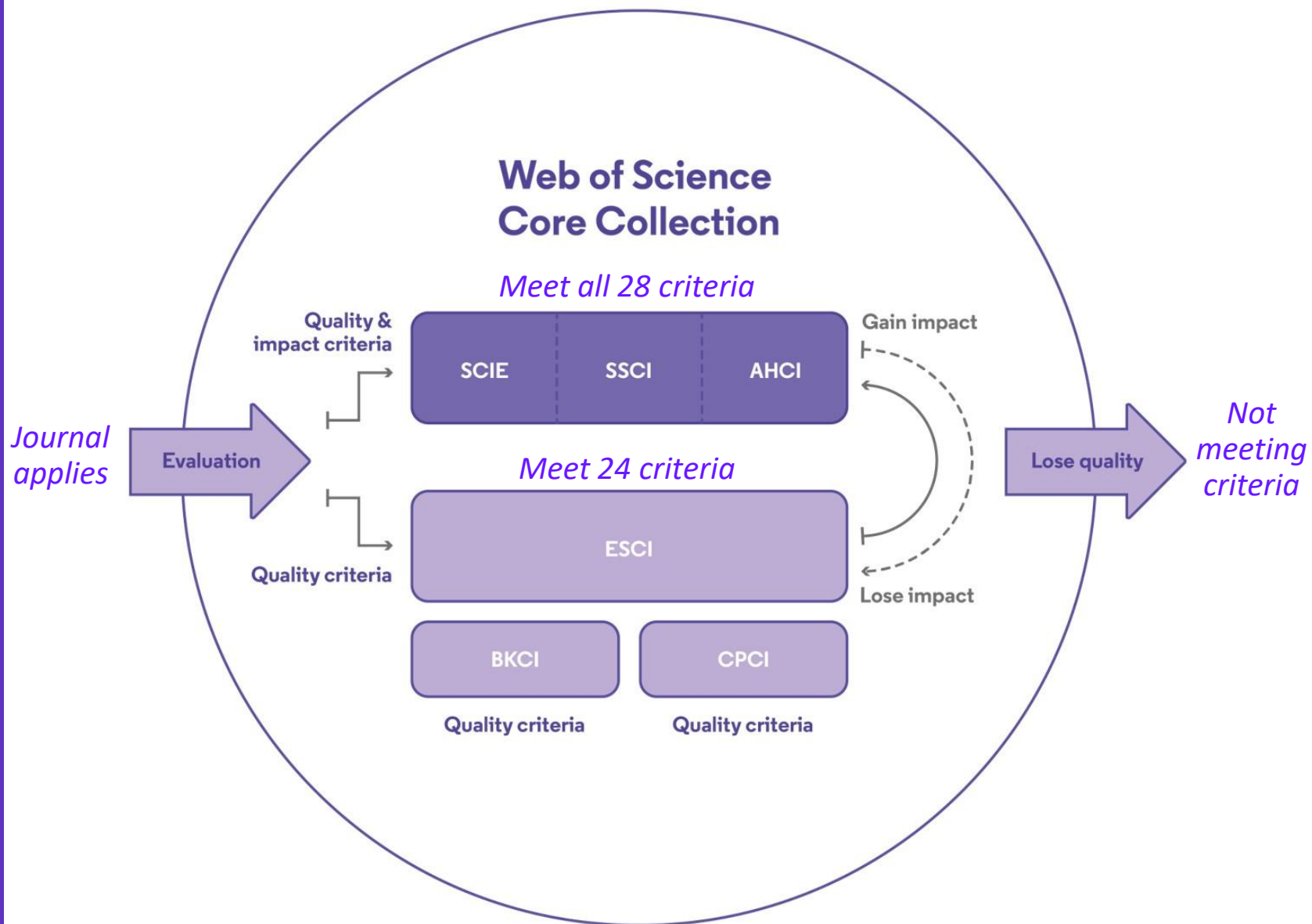
## Modalități multiple de evaluare a impactului

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.

# Sursa datelor *Web of Science Core Collection*

The journal selection process is based on both quality and impact criteria.

- Journals that meet the quality criteria enter the Emerging Sources Citation Index™ (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.



**Web of Science Core Collection este o colecție de încredere, de înaltă calitate, de reviste, cărți și conferințe.**

# O lungă tradiție de transparență

Since the publication of the first Journal Citation Reports (JCR)<sup>™</sup> in 1976, the Journal Impact Factor (JIF)<sup>™</sup> 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<sup>™</sup>. It was intended to provide an objective measure regarding scholarly use of journals to support both libraries and authors in publication evaluation.

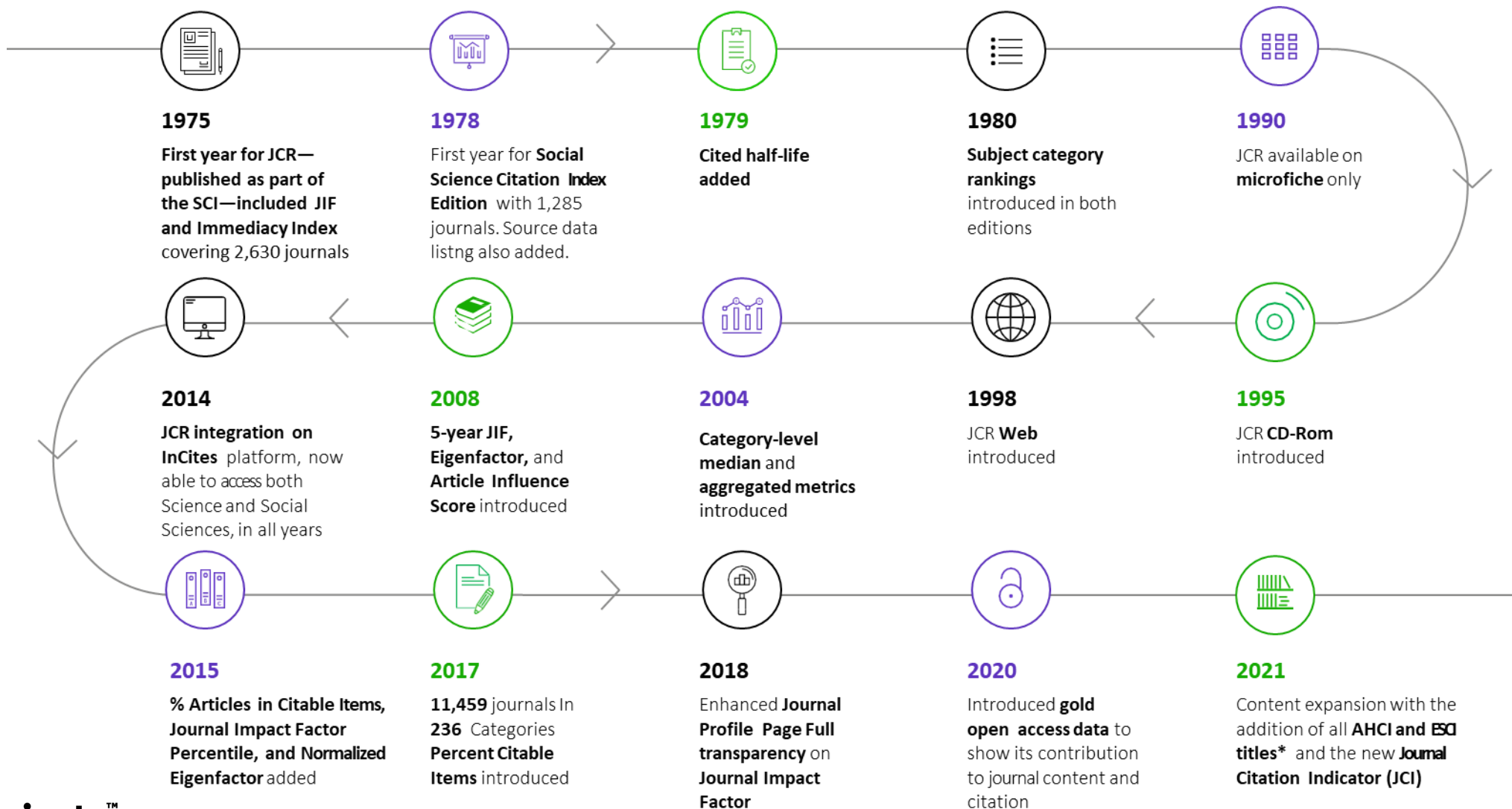
Since the launch of its web format in 1998, JCR has become a canonic tool for publishers, collection development librarians and a reliable discovery informative tool on “Where to publish”. Our transparency on the Journal Impact Factor has been important and will remain so for all indicators in JCR, with 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 SCImago

[Blog post | Understanding the origin of the JCR >](#)

# Journal Citation Reports | cronologie

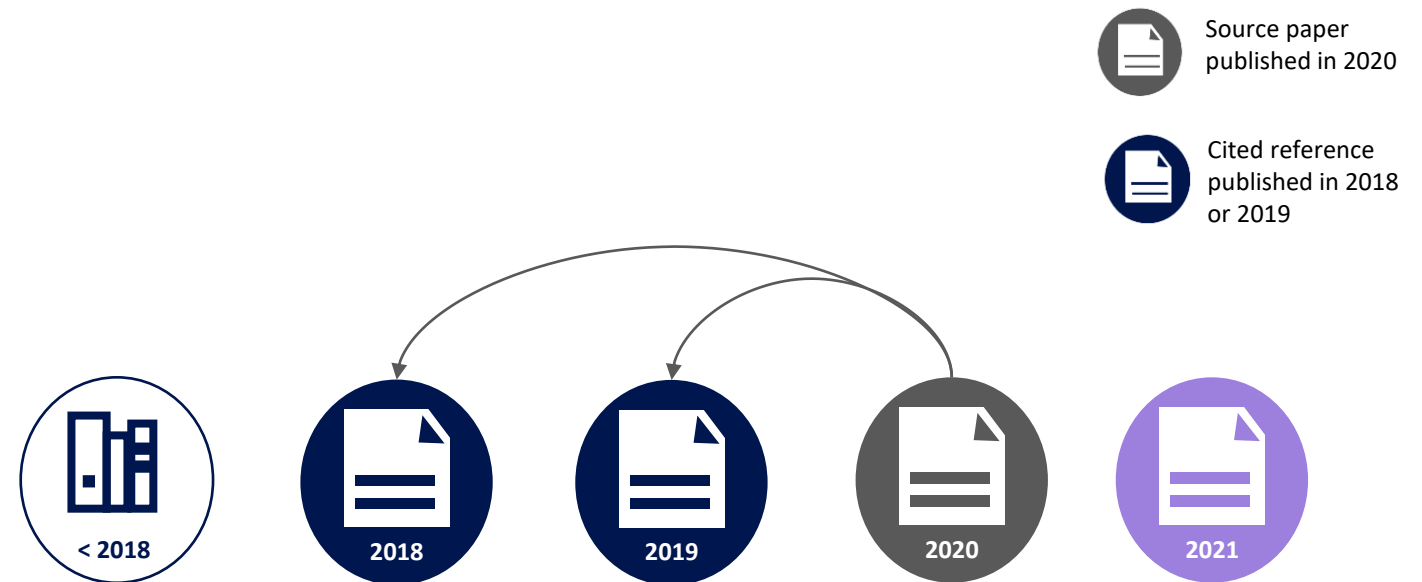


# How is the Journal Impact Factor calculated

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

- Science Citation Index Expanded
- Social Science Citation Index

- The Journal Impact Factor (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.*





# 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:

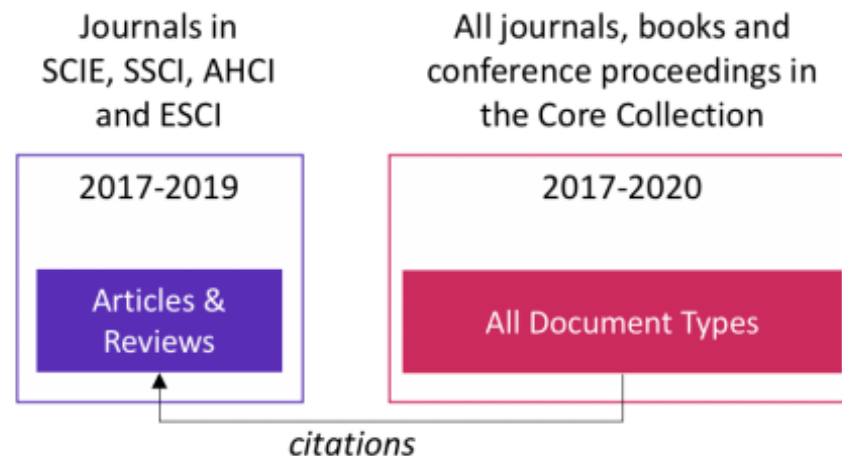
[Introduction to the Journal Citation Indicator](#)

[Category Normalized Citation Impact](#)

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 2020 Journal Citation Indicator will be calculated for journals that published citable items (i.e., articles or reviews ) in 2017, 2018 and 2019, counting all citations they received from any document indexed between 2017 and 2020.

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 2017 and 2019 for the 2020 indicator value).





# 2021 Journal Citation Reports

**20 942 journals**

- 9 509 Science journals
- 3 511 Social Science journals
- 1 784 Arts & Humanities journals

**254 disciplines  
(research  
categories)**

**113 countries**

**28 journal  
evaluation  
criteria**

**207 titles with  
first time JIF**

**10 journal  
suppressed**

In addition, 11 journals with  
EEoC issued.

[More information here >](#)

# Ce este nou în ediția 2021 Journal Citation Reports?

# Ce este nou în ediția 2021 a Journal Citation Reports?



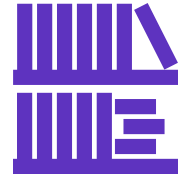
## 70% mai mult conținut

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™ – including journals covered in the **Arts & Humanities Citation Index (AHCI)™** and the **Emerging Sources Citation Index (ESCI)™**.



## Un nou indicator normalizat

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



## Introducerea conținutului Early Access

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.



## Interfață utilizator revizuită

**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.

# New Journal Citation Reports

The world's leading journals and  
publisher-neutral data

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



Already have a manuscript?

Find relevant, reputable journals for potential publication of your research using Manuscript matcher.

Match my manuscript

- Compare all Web of Science Core Collection journals
- All metrics available for comparison, including the Journal Citation Indicator
- New functions will be deployed throughout the year.

# Classic Journal Citation Reports

Go to Journal Profile		Journals By Rank	Categories By Rank			
<input type="text" value="Master Search"/>		Journal Titles Ranked by Impact Factor				
Compare Journals		Compare Selected Journals	Add Journals to New or Existing List		Customize Indicators	
View Title Changes <span>!</span>		Full Journal Title	ISSN	Journal Impact Factor	Impact Factor without Journal Self Cites	5 Year Impact Factor
Select Journals		<input type="checkbox"/> 1 CA-A CANCER JOURNAL FOR CLINICIANS	0007-9235	292.278	291.481	225.87
Select Categories		<input type="checkbox"/> 2 NEW ENGLAND JOURNAL OF MEDICINE	0028-4793	74.699	73.983	72.09
Select JCR Year		<input type="checkbox"/> 3 Nature Reviews Materials	2058-8437	71.189	70.968	84.97
2019		<input type="checkbox"/> 4 NATURE REVIEWS DRUG DISCOVERY	1474-1776	64.797	63.905	60.79
Select Edition		<input type="checkbox"/> 5 LANCET	0140-6736	60.390	59.207	59.34
<input checked="" type="checkbox"/> SCIE <input checked="" type="checkbox"/> SSCI						

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

# O acoperire extinsă a JCR

Since it's beginning in 1975, only journals from Science Citation Index & Social Science Citation Index were considered in JCR.

**This year edition of JCR, for the first time in its history, will include also journals from Arts & Humanities Citation Index and Emerging Sources Citation Index.**



# Mai mult conținut

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, for coverage as the publications covered in the Science Citation Index™ and the Social Sciences Citation Index™. Therefore, AHCI and ESCI – and their content from trustworthy, Web of Science-selected journals – merit complete coverage in the JCR.

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

The *Journal Citation Indicator* will be calculated for all journals in the Web of Science Core Collection™ – including those that do not have a Journal Impact Factor (JIF)™ – and published in the 2021 JCR in June.



# Revistele AHCI și ESCI vor primi mai mulți indicatori

Journals from **Arts & Humanities Citation Index** 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

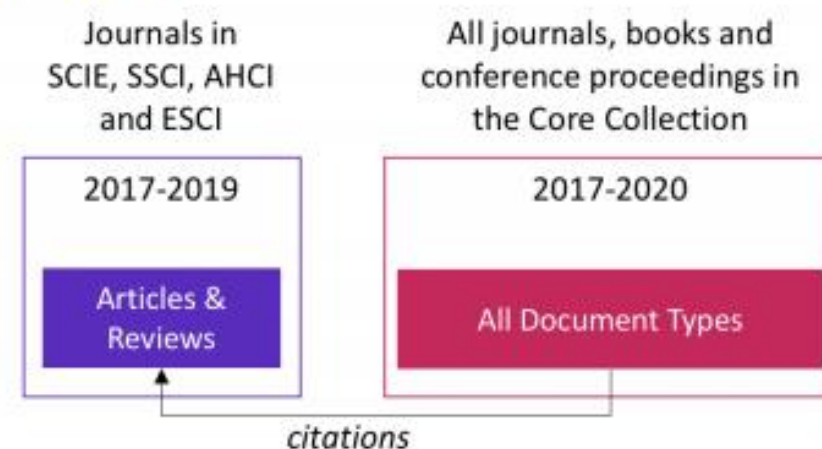
Total Citations	2020 JCI	% of OA Gold	Eigenfactor	Normalized Eigenfactor	Article Influence Score	Citing Half-Life	Cited Half-Life	% of Articles in Citable items	Citable Items	Immediacy Index	Total Articles
17,761	1.94	11.67 %	0.01111	2.32878	1.349	12.3	10.6	99.24 %	132	1.015	131

# Un nou indicator, un nou context

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

The value represents the average category-normalized citation impact for papers published in the prior three-year period.

Figure 1  
Journal Citation Indicator time period



- 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.
- Read the full details on the **Journal Citation Indicator** [here](#).

# 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, shown in this table:
- Also, 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.
- 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.

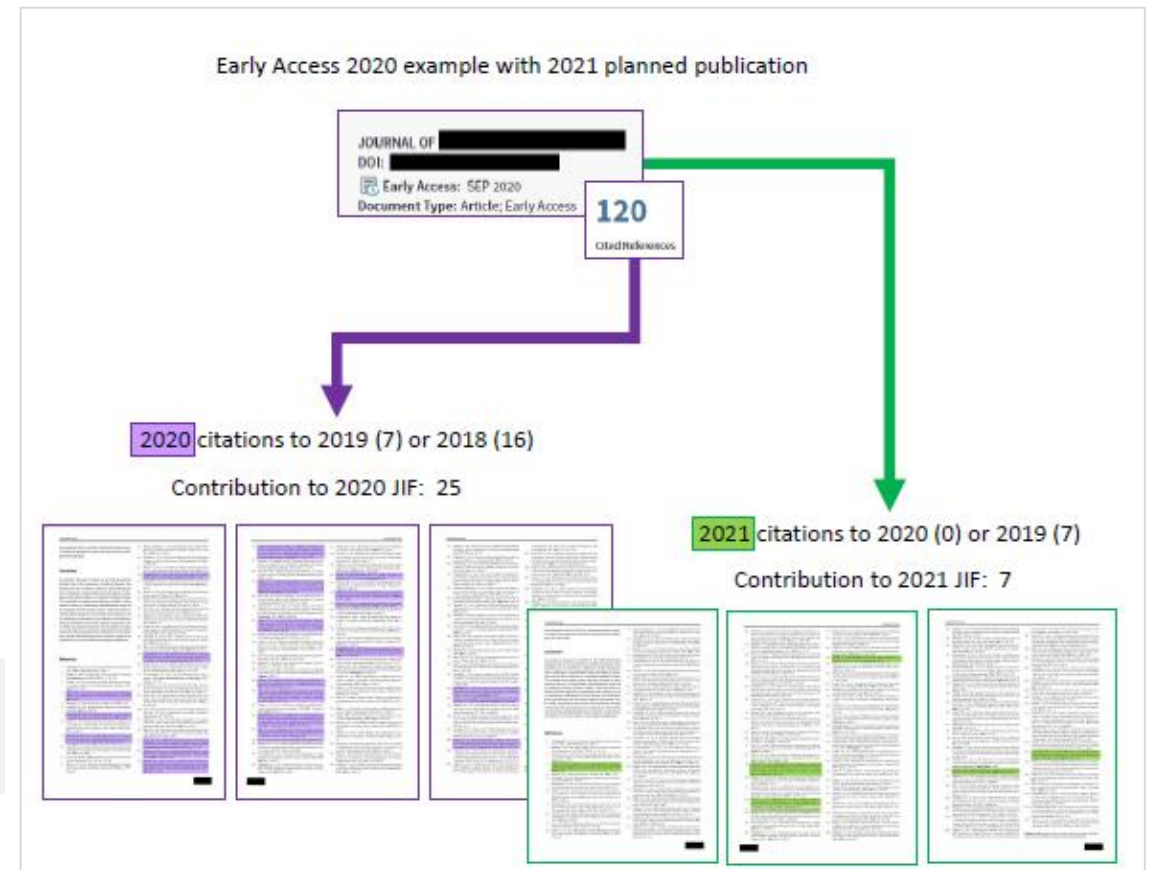
Feature	Journal Impact Factor	Journal Citation Indicator
<b>All Web of Science Core Collection journals</b>	N	Y
<small>Table 1 – Comparison of Journal Citation Indicator to JIF</small>		
<b>Field-normalized citation metric</b>	N	Y
<b>Fixed dataset</b>	Y	Y
<b>Counts citations from the entire Core Collection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

# Early Access

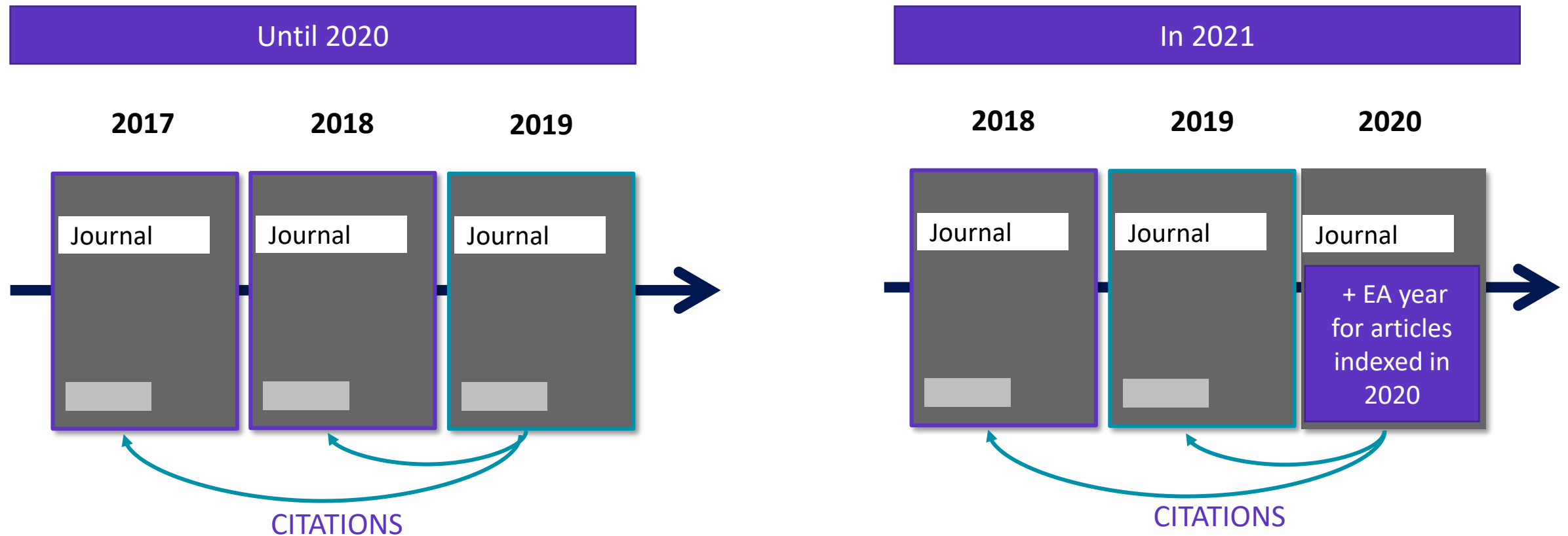
The expanded coverage in the 2021 JCR release will introduce [Early Access](#) articles, reflecting the earliest availability of new research as it appears in the “version of record” prior to official publication.

- 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 items indexed 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.

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



# Calcularea factorului de impact incluzând conținutul early access



# Calcularea factorului de impact incluzând conținutul early access

## Prospective model:

The prospective model sets 2020 as the first year for which EA content is considered according to its EA date rather than its publication date and continues to incorporate new content using the EA date.

## JIF calculation in 2021

### Citations in:

- **Early Access items** with an early access year of **2020**
- **Early Access items with a final publication year of 2020** and an Early Access year of 2019 or earlier (this applies to 2020 JIF calculation only)
- **Non-Early Access items** with a final publication year of **2020**

2020 JIF =

To items published in **2018** and **2019**

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

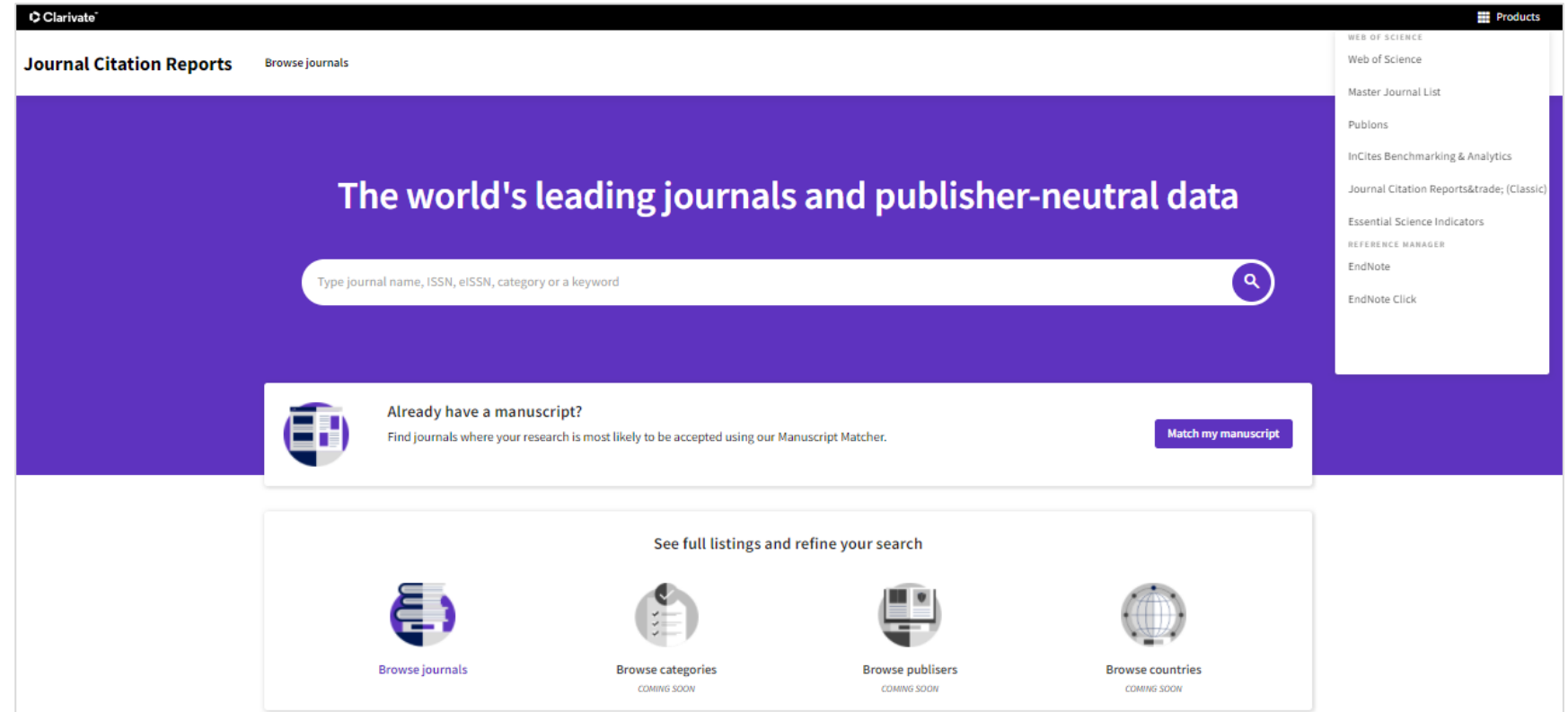
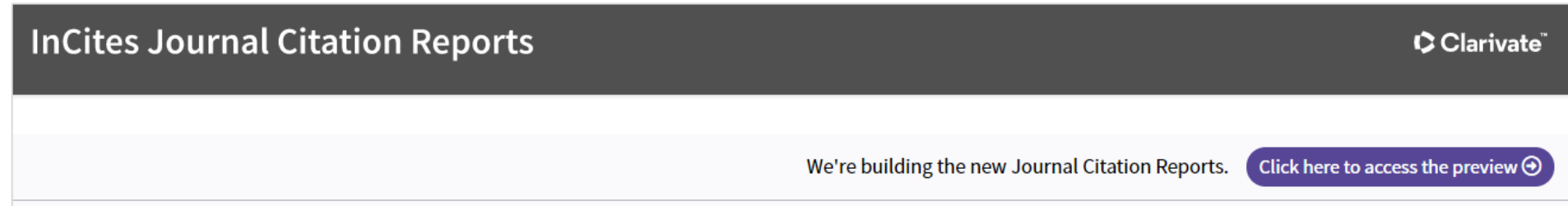
## JIF calculation in the next years

$$2021 \text{ JIF} = \frac{\text{Citations in } 2021 \text{ to items published in } 2019 + 2020}{\text{Number of articles \& reviews published in } 2019 \& 2020}$$

$$2022 \text{ JIF} = \frac{\text{Citations in } 2022 \text{ to items published in } 2020 + 2021}{\text{Number of articles \& reviews published in } 2020 \& 2021}$$

Years in purple already includes early access content

# Noua experiență utilizator





# Interfață modernizată | Navigare reviste

Registered users can now customize and save their usual indicators for quicker assessments.

The screenshot displays the Clarivate Journal Citation Reports interface. At the top, it shows the Clarivate logo and the user profile 'miguel.f.garcia@clarivate.com'. The main heading is 'Journal Citation Reports' with a sub-heading 'Browse journals'. Below this, it indicates '21,274 journals' and provides a search bar for journal names, ISSN, eISSN, categories, or keywords. There are 'Export' and 'Print' buttons. A 'Find in table' search bar is also present. The main content area shows a table of journals with columns for ISSN, eISSN, and Category. A customization panel is open, allowing users to select indicators for their profile 'Miguel'. The panel is divided into three sections: Impact metrics, Normalized metrics, and Source metrics. The 'Impact metrics' section includes Total Citations, 2020 JIF, 5 Year JIF, JIF Without Self Cites, Immediacy Index, and JIF Quartile. The 'Normalized metrics' section includes 2020 JCI, Eigenfactor, Normalized Eigenfactor, Article Influence Score, and Average JIF Percentile. The 'Source metrics' section includes Citable Items, % of Articles in Citable Items, Cited Half-Life, Citing Half-Life, Total Articles, and % of OA Gold. A 'Name your indicators' field is set to 'Miguel', and there is a 'Save' button. The table below the panel shows the following data:

ISSN	eISSN	Category	Total Citations	2020 JIF	JIF Quartile	2020 JCI	Article Influence Score	% of OA Gold	Total Articles	Cited Half-Life	Citing Half-Life
0028-0836	1476-4687	MULTIDISCIPLINARY	464,351	91.245	Q1	331	0.00%	0.63118	132.24014	37.239	
1932-6203	1932-6203	MULTIDISCIPLINARY	453,215	14.919	Q1	5,997	99.93%	1.23854	259.48816	5.567	
0036-8075	1095-9203	MULTIDISCIPLINARY	410,750	15.336	Q1	3,856	15.28%	0.48019	100.60536	3.430	
0027-8424	N/A	MULTIDISCIPLINARY									
0002-7863	1520-5126	CHEMISTRY, MULTIDISCIPLINARY									
2045-2322	2045-2322	MULTIDISCIPLINARY									
0031-9007	1079-7114	PHYSICS, MULTIDISCIPLINARY									
0028-4793	1533-4406	MEDICINE, GENERAL & INTERNAL									
2041-1723	N/A	MULTIDISCIPLINARY SCIENCES									
1433-7851	1521-3773	CHEMISTRY, MULTIDISCIPLINARY									

# Interfață modernizată | Profilul revistei

Clarivate Products

**Journal Citation Reports** [Browse journals](#) miguel.garcia@clarivate.com

Browse journals > Journal profile

JCR YEAR: 2020 Export Print

## GAIA-Ecological Perspectives for Science and Society

ISSN	EISSN	JCR ABBREVIATION	ISO ABBREVIATION
0940-5550	0940-5550	GAIA	GAIA

### Journal information

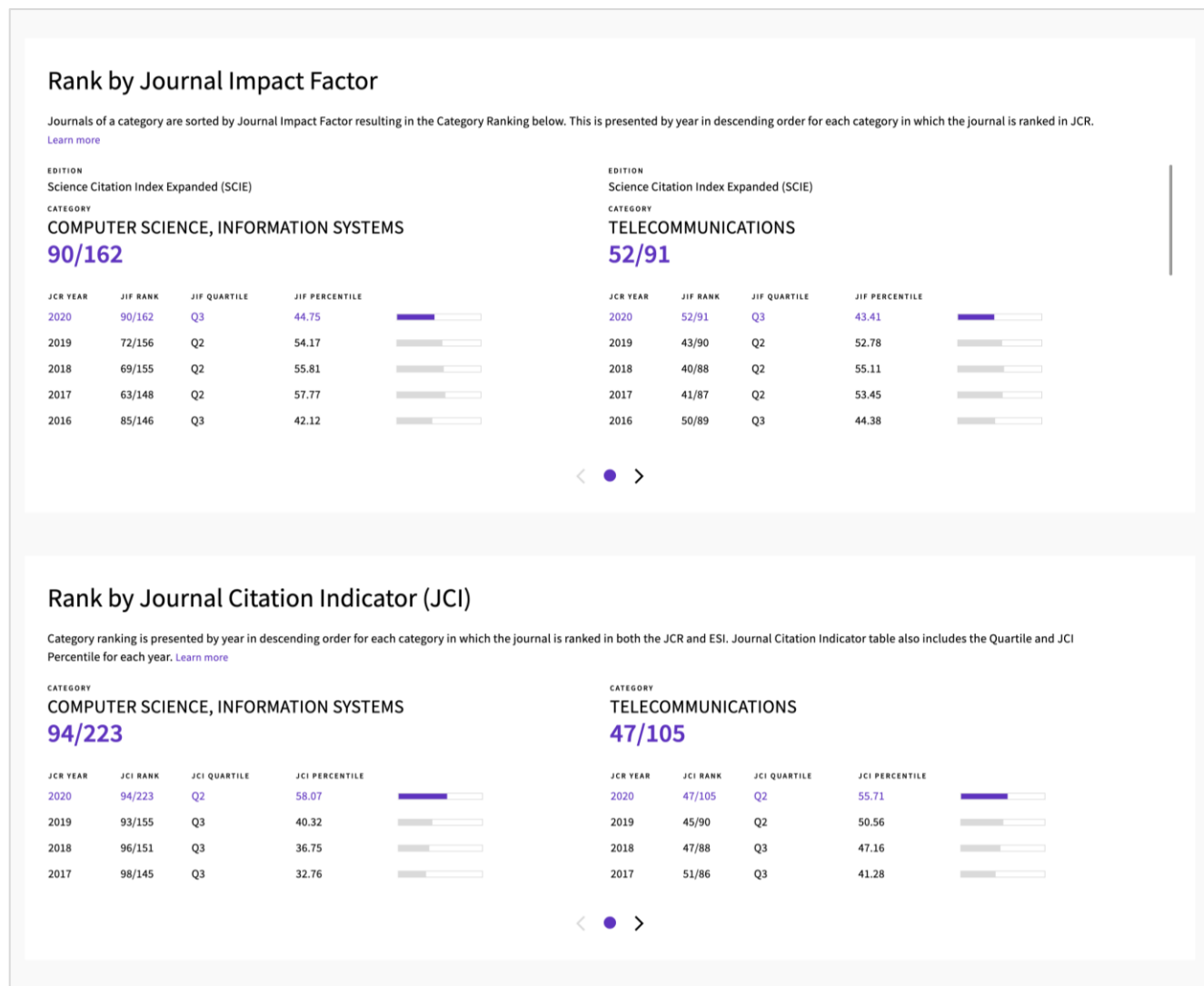
EDITION		
Social Sciences Citation Index (SSCI)	Science Citation Index Expanded (SCIE)	
CATEGORY		
ENVIRONMENTAL STUDIES - SSCI	ENVIRONMENTAL SCIENCES - SCIE	
LANGUAGES	REGION	1ST YEAR PUBLISHED
Multi-Language	GERMANY (FED REP GER)	2007
Publisher information		
PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
OEKOM VERLAG	WALTHERSTR 29, MUNICH 80337, GERMANY	4 issues/year

# Journal Citation Indicator complementar pentru Journal Impact Factor

In this example, the journal moved from Q2 to Q3 on in the category Computer Science, Information Systems.

However, for the JCI quartile the journal moved from Q3 to Q2.

Although its rank is similar in both metrics, the context shows 2 angles of this journal's development.



# Journal Citation Indicator complementar pentru Journal Impact Factor

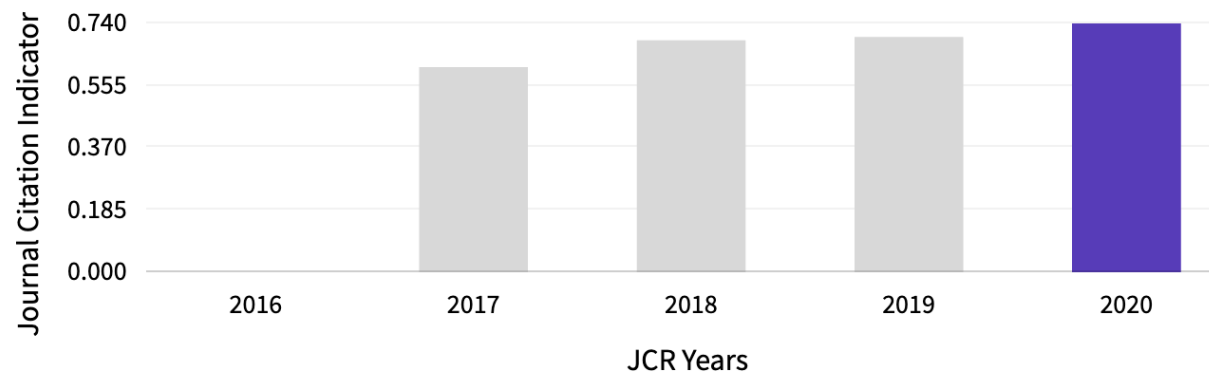
For this journal, the Journal Citation Indicator is lower than the average in its categories, but we can see it has been consistently growing.

## Journal Citation Indicator (JCI)

[↓ Export](#)

**0.74**

The Journal Citation Indicator (JCI) provides a single journal-level metric where global average in a category is 1. Documents with a JCI of 1.5 have 50% more citation impact than the average in that category. [Learn more](#)



# Clasament intuitiv | Comparația JIF-urilor din toate categoriile

The journal below 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	

# Grafice interactive

## 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

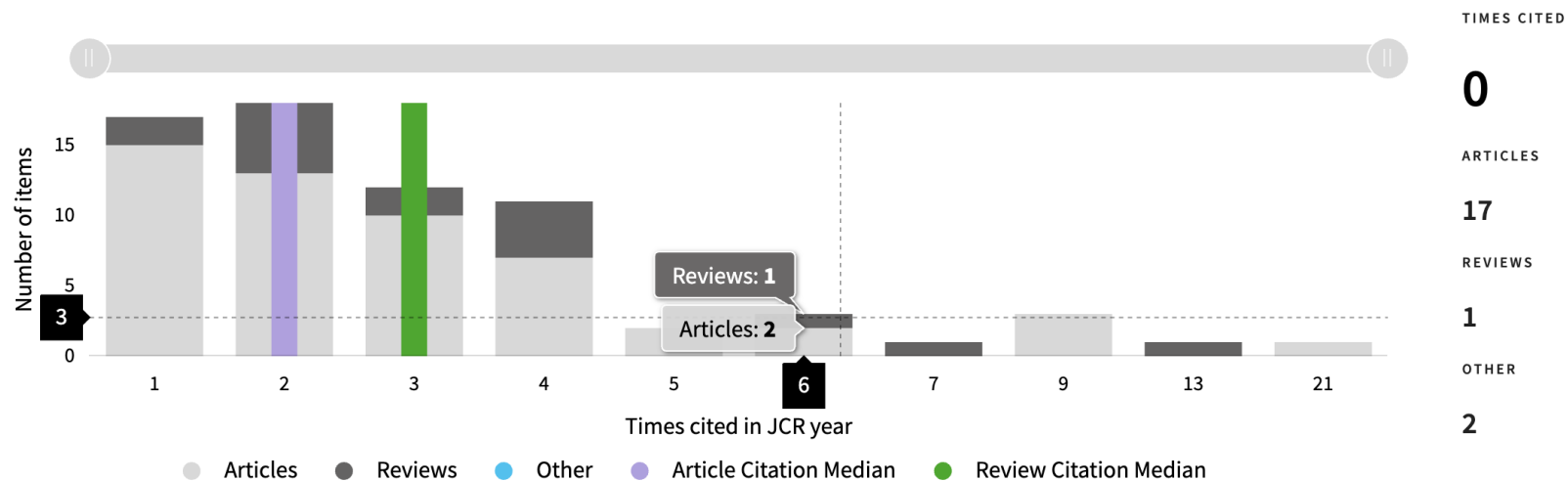
2

REVIEW CITATION MEDIAN

3

UNLINKED CITATIONS

34



TIMES CITED

0

ARTICLES

17

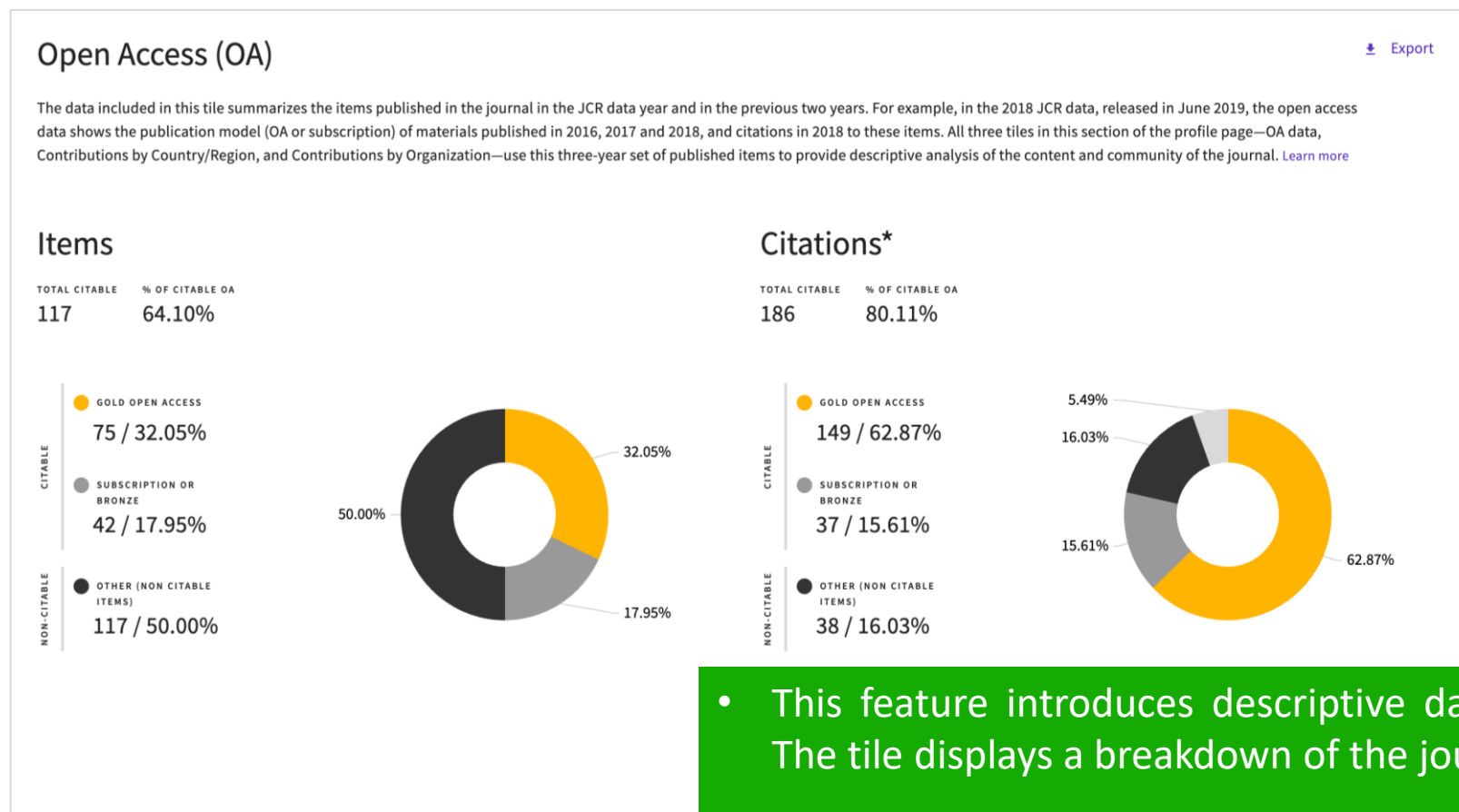
REVIEWS

1

OTHER

2

# Date deschise și transparente



- This feature introduces descriptive data in the Journal Citation Reports. The tile displays a breakdown of the journal's articles by Open Access type.
- The goal is to increase transparency around how these articles contribute to a journal's citations.



# Journals API

# Journals API

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](#).

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 (SCIE), social sciences (SSCI), and now both the arts & humanities (AHC) and emerging sources (ESCI)

**12,000 +** have a Journal Impact Factor™ (JIF)  
SCIE 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 (JICs) 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

© 2021 Clarivate. Clarivate and its logo, as well as all other trademarks used herein are trademarks of their respective owners and used under license. (May 2021 1.1)

**Clarivate™**

# Bazați-vă pe Journal Citation Reports pentru a identifica revistele potrivite



Conduct research evaluation more responsibly with multidimensional journal indicators and context for the numbers



Find the best-fit journals for your manuscript using with a tool that helps you consider audience, topical relevance, open access and citation impact



Ensure that your library collections support rigorous research and teaching using publisher-neutral data produced by objective experts



Obtain the transparency you need to make data-driven decisions about your open access strategy with ease and speed using an intuitive tool



# Vă mulțumesc!

Adriana FILIP

Solutions Consultant

[adriana.filip@clarivate.com](mailto:adriana.filip@clarivate.com)

[www.clarivate.com](http://www.clarivate.com)

## Additional resources

[Web of Science Learning](#) >

[Web of Science Academy](#) >

[Events & Webinars](#) >

[LibGuides](#) >

[Videos](#) >

[Web of Science Blog](#) >

[Web of Science news hub](#) >

[Researcher Recognition](#) >



# Customer Service - Available 24x5

[support.clarivate.com/ScientificandAcademicResearch](https://support.clarivate.com/ScientificandAcademicResearch)



**LIVE CHAT**

Click [here](#) to reach a WoS agent



**PHONE**

Dial +44 8003288044



**EMAIL or WEBFORM**

[WoSG.support@clarivate.com](mailto:WoSG.support@clarivate.com) or click [here](#) to send us a Webform



**KNOWLEDGE BASE**

Click [here](#) to visit our extensive Knowledge Base

Links to popular articles include: [Remote Access to WoS](#), [h-index Information](#)