

JCR YEAR

2021

SENSORS

Open Access since 2001

ISSN

N/A

EISSN

1424-8220

JCR ABBREVIATION

SENSORS-BASEL

ISO ABBREVIATION

Sensors

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

CHEMISTRY,
ANALYTICAL - SCIE

ENGINEERING,
ELECTRICAL &
ELECTRONIC - SCIE

INSTRUMENTS &
INSTRUMENTATION -
SCIE

LANGUAGES

English

REGION

SWITZERLAND

1ST ELECTRONIC JCR YEAR

2004

Publisher information

PUBLISHER

MDPI

ADDRESS

ST ALBAN-
ANLAGE 66, CH-
4052 BASEL,
SWITZERLAND

PUBLICATION FREQUENCY

24 issues/year

Journal's performance

Journal Impact Factor

The Journal Impact Factor (JIF) is a journal-level metric calculated from data indexed in the Web of Science Core Collection. It should be used with careful attention to the many factors that influence citation rates, such as the volume of publication and citations characteristics of the subject area and type of journal. The Journal Impact Factor can complement expert opinion and informed peer review. In the case of academic evaluation for tenure, it is inappropriate to use a journal-level metric as a proxy measure for individual researchers, institutions, or articles. [Learn more](#)

2021 JOURNAL IMPACT
FACTOR

3.847

JOURNAL IMPACT FACTOR WITHOUT SELF
CITATIONS

3.190

Journal Impact Factor contributing items [Export](#)

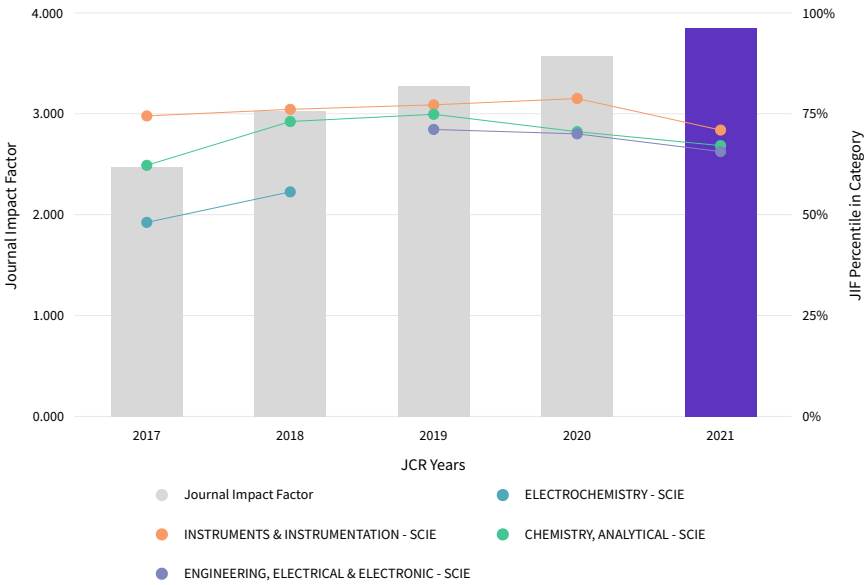
Citable items (12,790)

Citing Sources (4,382)



Journal Impact Factor Trend 2021

[Export](#)



[View all years](#)

Journal Citation Indicator (JCI)

[Export](#)

0.90

The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in that category. It may be used alongside other metrics to help you evaluate journals.

[Learn more](#)

TITLE	CITATION COUNT	
A Decentralized Privacy-Preserving Healthcare Blockchain for IoT	100	▼
The Strain Transfer Mechanism of Fiber Bragg Grating Sensor for Extra Large...	81	▼
Removal of Artifacts from EEG Signals: A Review	75	▼
The Progress of Glucose MonitoringA Review of Invasive to Minimally and...	75	▼
Advanced Micro- and Nano-Gas Sensor Technology: A Review	73	▼
Structural Damage Localization and Quantification Based on a CEEMDAN...	72	▼
EEG-Based Brain-Computer Interfaces Using Motor-Imagery: Techniques an...	67	▼
A Comprehensive Survey of Vision-Based Human Action Recognition...	67	▼
Piezoelectric Transducer-Based Structural Health Monitoring for Aircr...	57	▼
Development of a Portable, Ultra-Rapid and Ultra-Sensitive Cell-Based...	54	▼

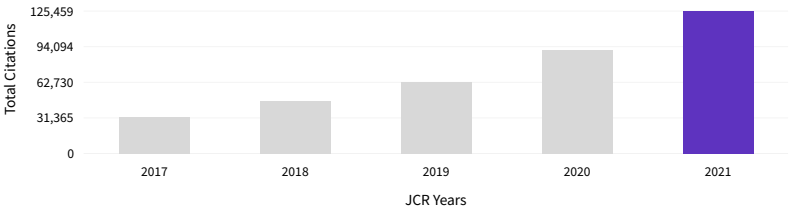
[View All in Web of Science](#)

Total Citations

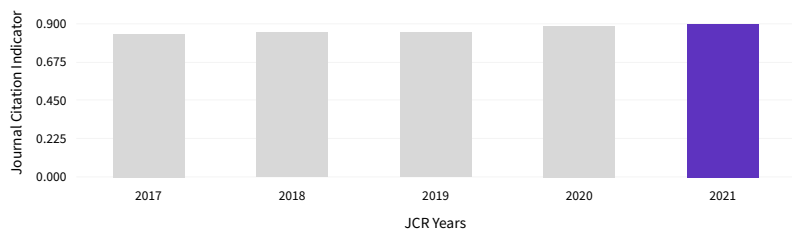
[Export](#)

125,459

The total number of times that a journal has been cited by all journals included in the database in the JCR year. Citations to journals listed in JCR are compiled annually from the JCR years combined database, regardless of which JCR edition lists the journal.



[View all years](#)



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 descriptions for each data point, and an interactive legend where each data element's legend can be used as a toggle. You can view Articles, Reviews, or Non-Citable (other) items to the JIF numerator. [Learn more](#)

ARTICLE CITATION
MEDIAN

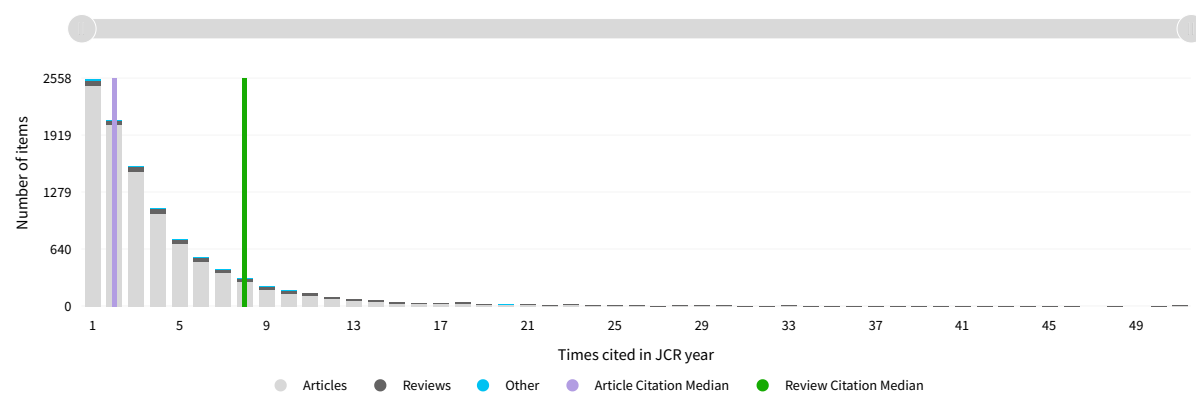
2

REVIEW CITATION
MEDIAN

8

UNLINKED CITATIONS

1,359



TIMES CITED

0

ARTICLES

2,218

REVIEWS

19

OTHER

80

Open Access (OA)

↓ Export

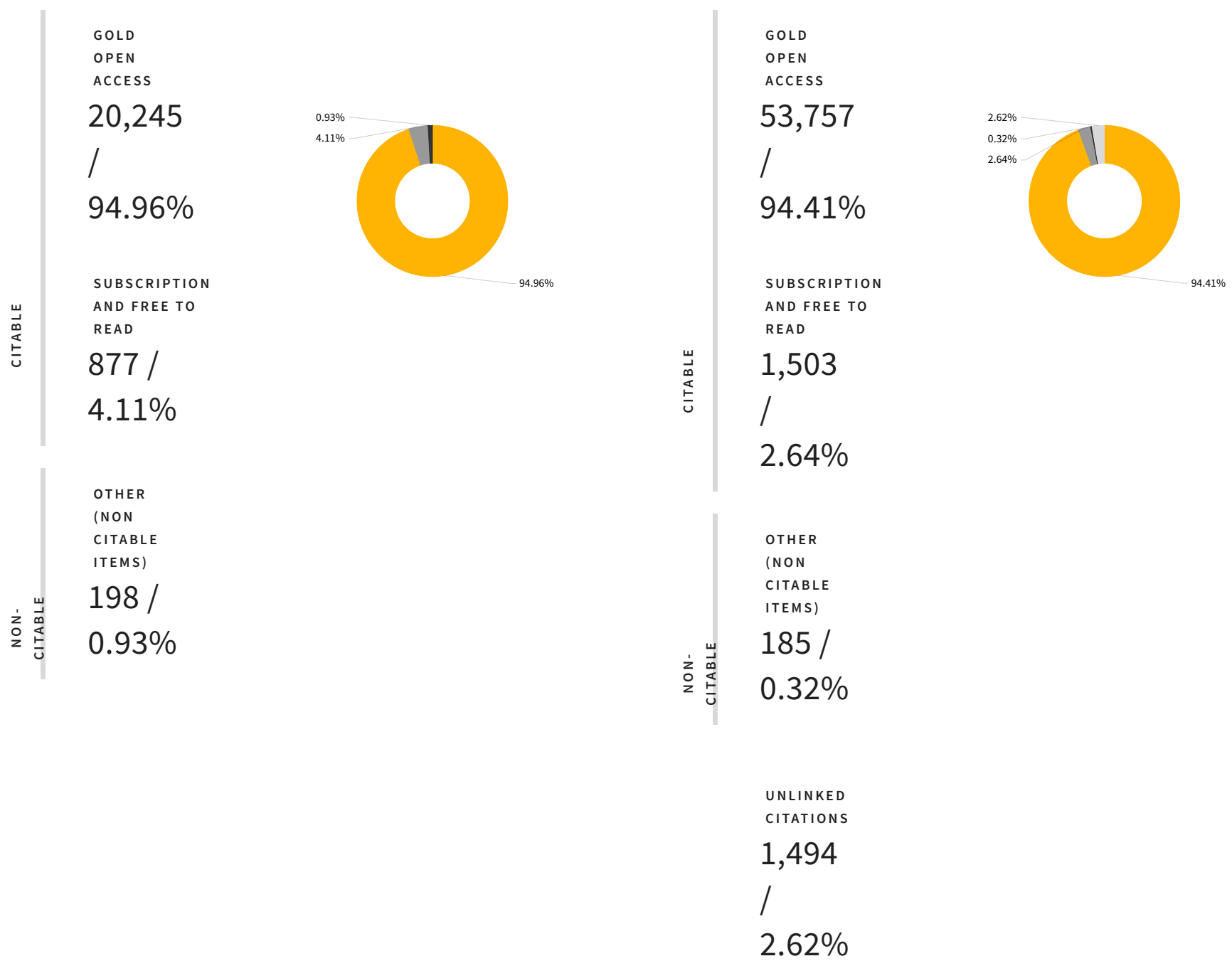
The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. For example, in the 2020 JCR data, released in June 2021, the Open Access (OA) data show the publication model (Gold OA or subscription) of materials published in 2018, 2019 and 2020, and citations in 2020 to these items. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal. [Learn more](#)

Items

TOTAL CITABLE 21,122
% OF CITABLE OA 95.85%

Citations*

TOTAL CITABLE 55,260
% OF CITABLE OA 97.28%



Rank by Journal Citation Indicator (JCI)

Journals within a category are sorted in descending order by Journal Citation Indicator (JCI) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order. [Learn more](#)

CATEGORY

CHEMISTRY, ANALYTICAL

24/99

JCR YEAR JCI RANK JCI QUARTILE JCI PERCENTILE

2021 24/99 Q1 76.26

2020 25/98 Q2 75.00

2019 27/98 Q2 72.96

2018 27/97 Q2 72.68

2017 26/93 Q2 72.58

CATEGORY

ENGINEERING, ELECTRICAL & ELECTRONIC

109/344

JCR YEAR JCI RANK JCI QUARTILE JCI PERCENTILE

2021 109/344 Q2 68.46

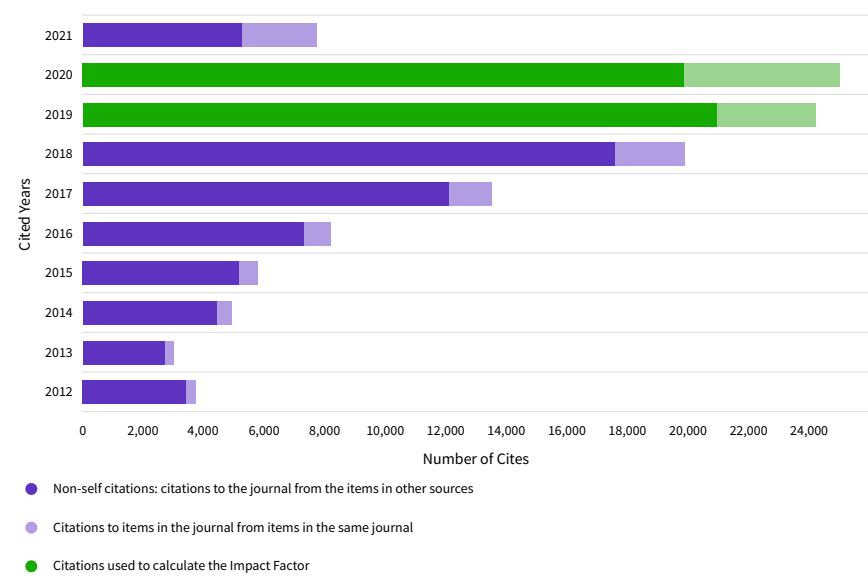
2020 100/319 Q2 68.81

2019 110/318 Q2 65.57

2018 114/312 Q2 63.62

2017 110/306 Q2 64.22

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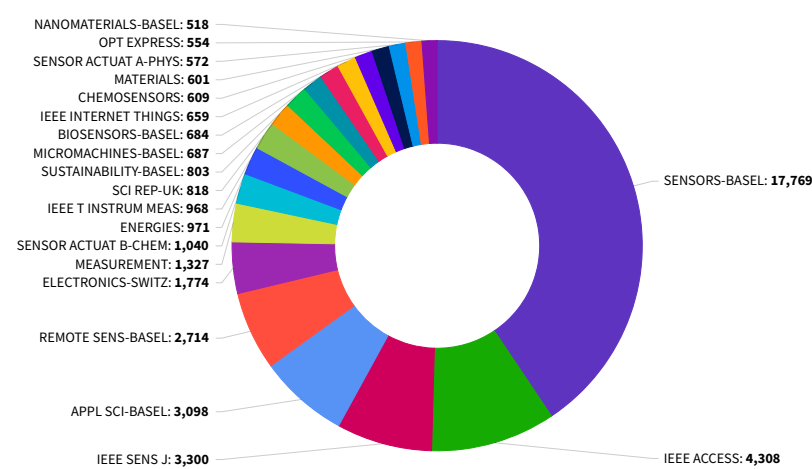
CITED YEAR	# OF CITES FROM 2021	CUMULATIVE %	# OF CITING SOURCES
All years	125,459 citations	100.00%	6,336 sources >
2021	7,741 citations	6.17%	1,248 sources >
2020	24,982 citations	26.08%	2,978 sources >
2019	24,216 citations	45.38%	3,165 sources >
2018	19,863 citations	61.22%	3,007 sources >
2017	13,499 citations	71.98%	2,497 sources >
2016	8,178 citations	78.49%	1,945 sources >
2015	5,763 citations	83.09%	1,636 sources >
2014	4,911 citations	87.00%	1,474 sources >
2013	3,000 citations	89.39%	1,181 sources >

Journal Citation Relationships

Cited Data

Citing Data

Top 20 journals citing SENSORS-BASEL by number of citations



Content metrics

Source data

This tile shows the breakdown of document types published by the journal. Citable Items are Articles and Reviews. For the purposes of calculating JIF, a JCR year considers the publications of that journal in the two prior years. [Learn more](#)

8,332 total citable items

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	<div><div></div>PERCE</div>
NUMBER IN JCR YEAR 2021 (A)	7,804	528	8,332	73	99%
NUMBER OF REFERENCES (B)	332,985	68,428	401,413	1,013	100%
RATIO (B/A)	42.7	129.6	48.2	13.9	

Average JIF Percentile Export

The Average Journal Impact Factor Percentile takes the sum of the JIF Percentile rank for each category under consideration, then calculates the average of those values. [Learn more](#)

ALL CATEGORIES AVERAGE	EDITION
68.03	Science Citation Index Expanded
	CHEMISTRY, ANALYTICAL
	67.24
	INSTRUMENTS & INSTRUMENTATION
	71.09
	ENGINEERING, ELECTRICAL & ELECTRONIC

Contributions by organizations Export

Organizations that have contributed the most papers to the journal in the most recent three-year period. [Learn more](#)

RANK	ORGANIZATION	COUNT
1	CHINESE ACADEMY OF SCIENCES	723
2	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	294
3	BEIHANG UNIVERSITY	233
4	CONSIGLIO NAZIONALE DELLE RICERCHE (CNR)	217
5	UDICE-FRENCH RESEARCH UNIVERSITIES	208
6	WUHAN UNIVERSITY	206
7	UNIVERSIDAD POLITECNICA DE	204

Contributions by country/region Export

Countries or Regions that have contributed the most papers to the journal in the most recent three-year period. [Learn more](#)

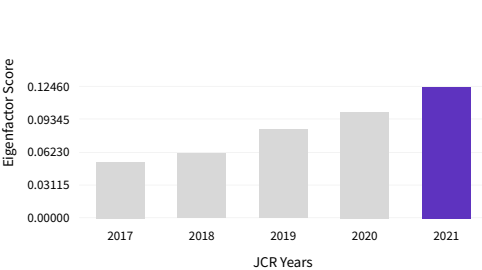
RANK	COUNTRY / REGION	COUNT
1	CHINA MAINLAND	6462
2	South Korea	2301
3	Spain	1929
4	USA	1849
5	Italy	1372
6	GERMANY (FED REP GER)	1118
7	Poland	1074
8	England	956
9	Japan	751

Additional metrics

Eigenfactor Score

0.12460

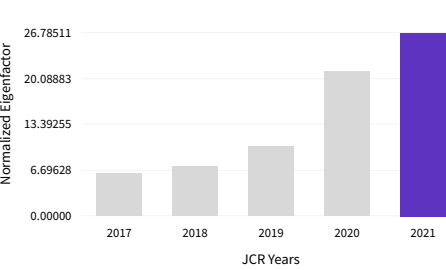
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than less cited sources. The Eigenfactor calculation does not include journal self-citations. [Learn more](#)



Normalized Eigenfactor

26.78511

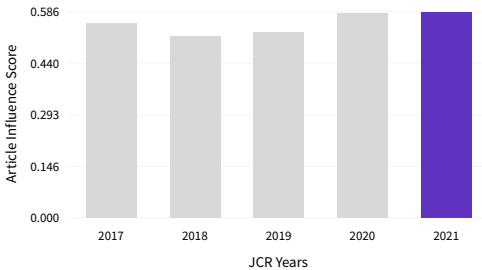
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.586

The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence. [Learn more](#)



5 Year Impact Factor

4.050

[View Calculation](#)

The 5-year Impact Factor is the average number of times articles from the journal published in the past five years have been cited in the JCR year. It is calculated by dividing the number of citations in the JCR year by the total number of articles published in the five previous years.

Immediacy Index

0.929

[View Calculation](#)

The Immediacy Index is the count of citations in the current year to the journal that reference content in this same year. Journals that have a consistently high Immediacy Index attract citations rapidly. [Learn more](#)

