

Journals > Journal profile

JCR Year  
2023

Favorite Export

# Journal of Control Automation and Electrical Systems

ISSN  
2195-3880

EISSN  
2195-3899

JCR ABBREVIATION  
J CONTROL AUTOM ELEC

ISO ABBREVIATION  
J. Control Autom. Electr. Syst.

## Journal information

EDITION  
Emerging Sources  
Citation Index (ESCI)

CATEGORY  
AUTOMATION & CONTROL  
SYSTEMS

LANGUAGES	REGION	1ST ELECTRONIC JCR YEAR
English	BRAZIL	2020

## Publisher information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
SPRINGER	ONE NEW YORK PLAZA, SUITE 4600 , NEW YORK, NY 10004, UNITED STATES	6 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](#)

2023 JOURNAL IMPACT  
FACTOR  
**1.5**

[View calculation](#)

JOURNAL IMPACT FACTOR WITHOUT SELF  
CITATIONS  
**1.4**

[View calculation](#)

Journal Impact Factor Trend 2023

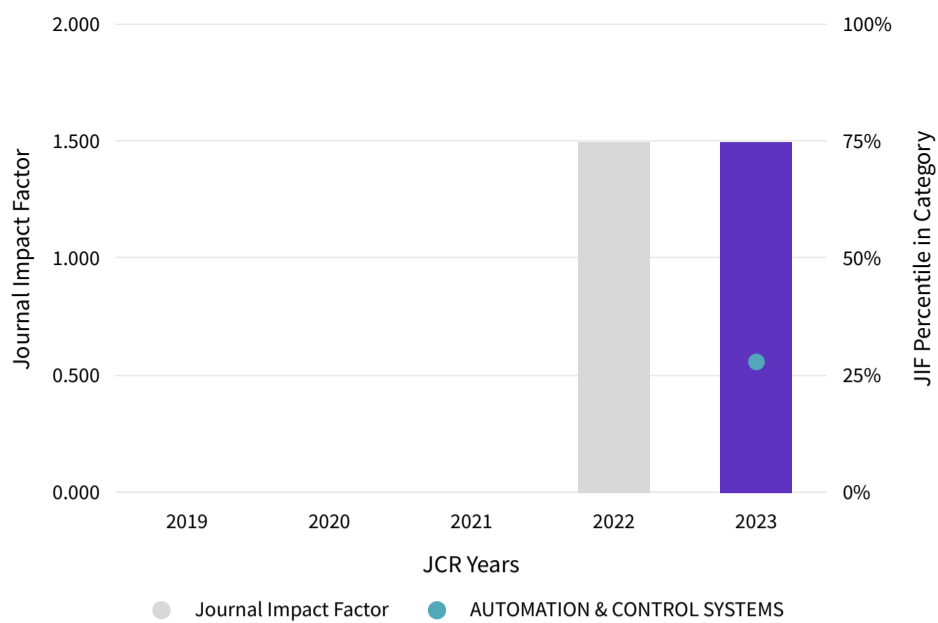
[Export](#)

## Journal Impact Factor contributing items

[Export](#)

Citable items (309)	Citing Sources (224)
TITLE	CITATION COUNT
Design and Investigation of Solar PV Fed Single-Source Voltage-Lift Multilevel...	26
Aircraft Hybrid-Electric Propulsion: Development Trends, Challenges and...	23





[View all years](#)

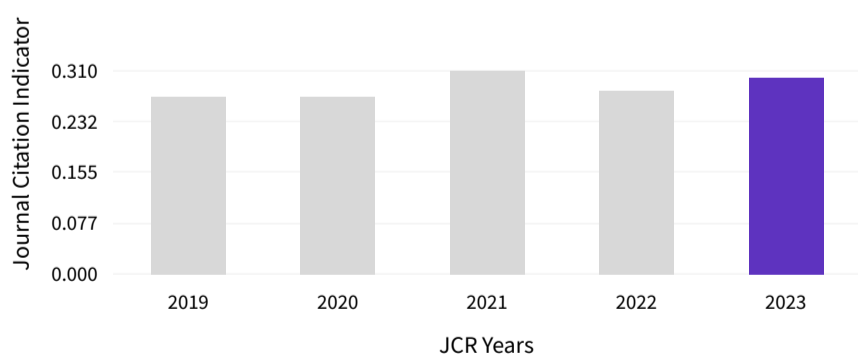
New PI-PD Controller Design Strategy for Industrial Unstable and Integrating...	19	▼
Modified Salp Swarm Algorithm-Optimized Fractional-Order Adaptive Fuzzy PID...	13	▼
Feasibility Assessment of Adaptive Sliding Mode Controllers for Grid-Tied Inverters...	11	▼
Adaptive Parameter Integral Sliding Mode Control of Pneumatic Artificial Muscles in...	7	▼
Optimized Nonlinear Sliding Mode Control of a Continuum Robot Manipulator	7	▼
A New Hybrid Load Frequency Control Strategy Combining Fuzzy Sets and...	6	▼
Biomedical Application of a Random Learning and Elite Opposition-Based...	6	▼
Diagnosis of Unbalance in Lightweight Rotating Machines Using a Recurrent Neu...	6	▼

[View All in Web of Science](#)

## Journal Citation Indicator (JCI) [Export](#)

**0.30**

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](#)

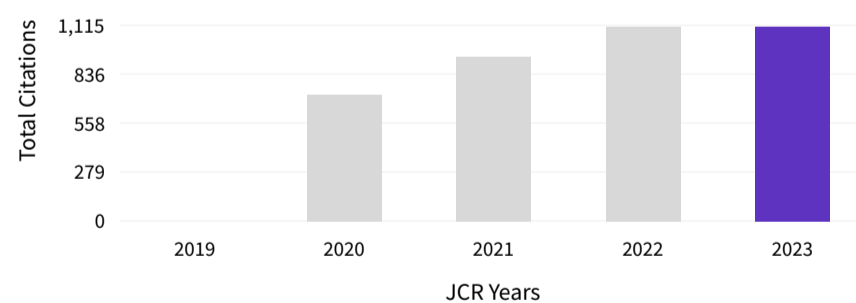


[View all years](#)

## Total Citations [Export](#)

**1,115**

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

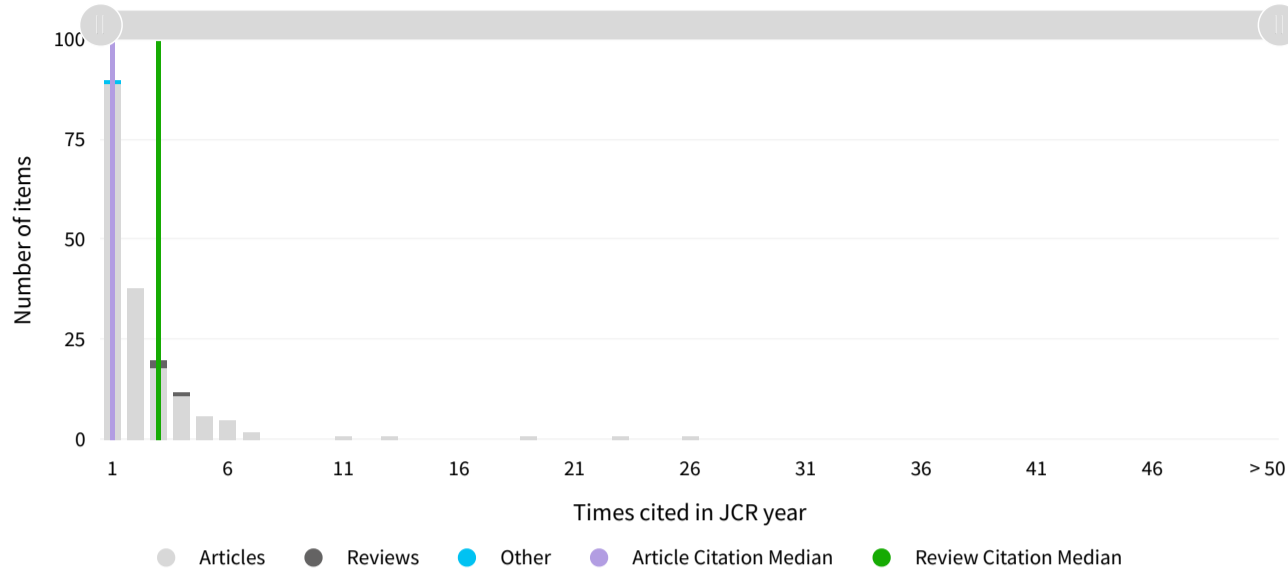
1

REVIEW CITATION  
MEDIAN

3

UNLINKED CITATIONS

13



TIMES CITED

0

ARTICLES

131

REVIEWS

1

OTHER

4

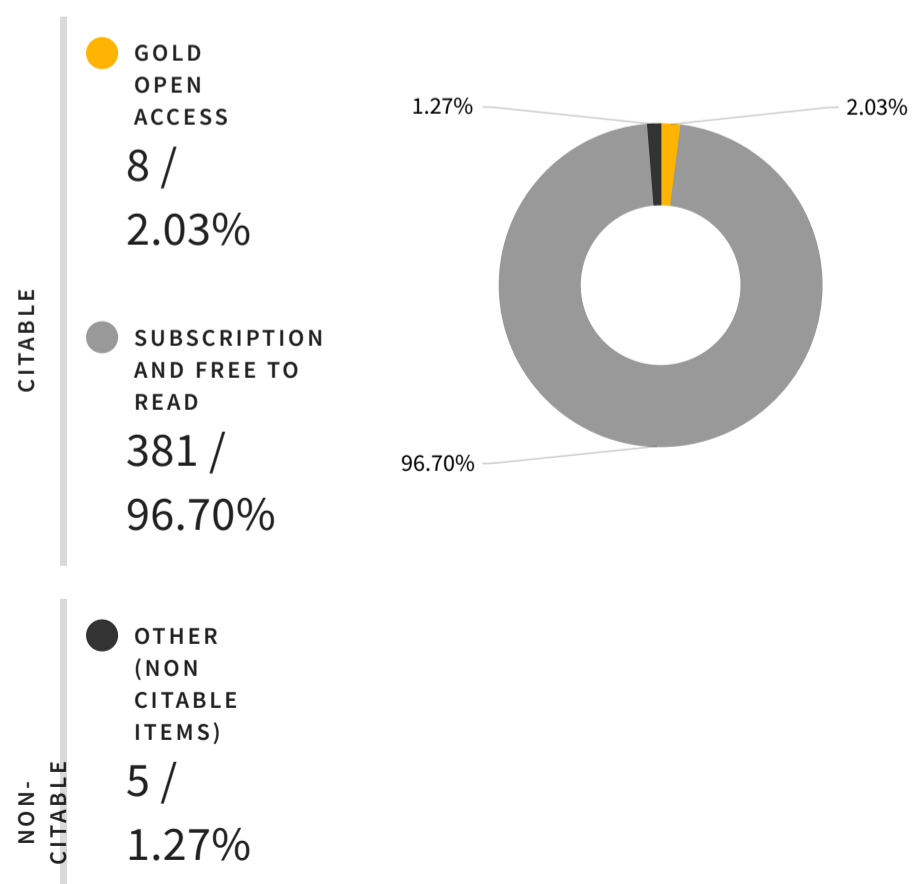
## Open Access (OA)

[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. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal. [Learn more](#)

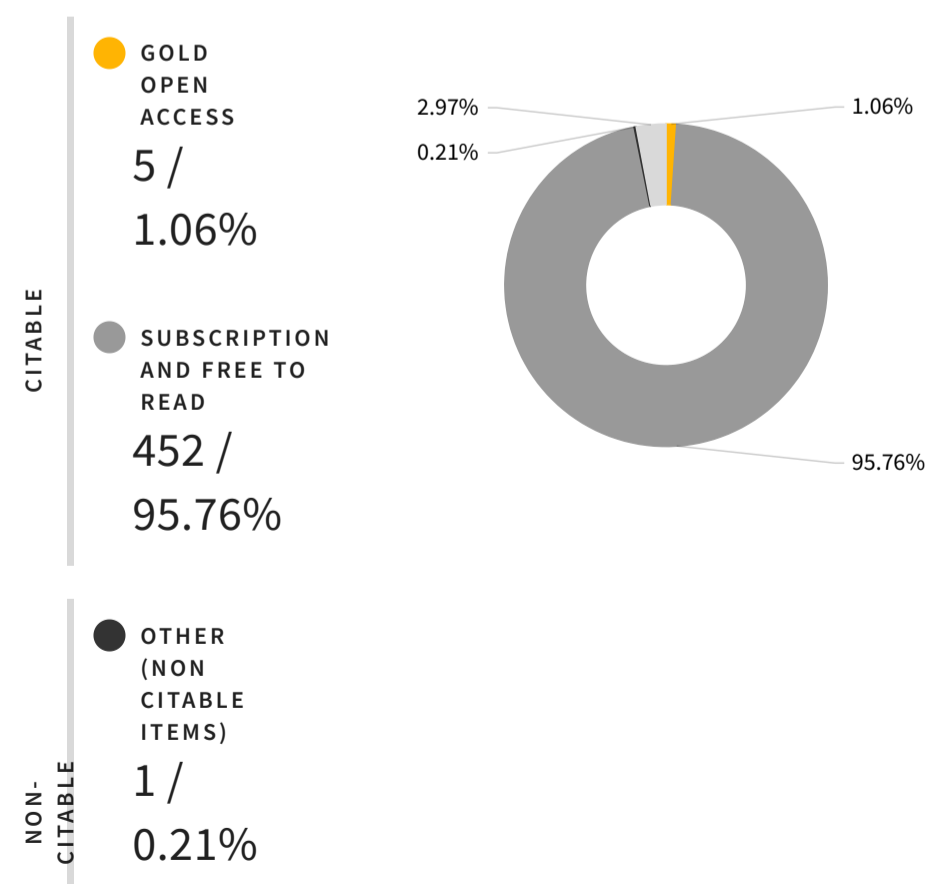
### Items

TOTAL CITABLE 389  
% OF CITABLE OA 2.06%



### Citations\*

TOTAL CITABLE 457  
% OF CITABLE OA 1.09%



## Rank by Journal Impact Factor

Journals within a category are sorted in descending order by Journal Impact Factor (JIF) resulting in the Category Ranking below. A separate rank is shown for each category in which the journal is listed in JCR. Beginning in 2023, ranks are calculated by category. [Learn more](#)

CATEGORY

AUTOMATION & CONTROL SYSTEMS

61/84

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE
2023	61/84	Q3	28.0

## Rank by Journal Citation Indicator (JCI) i

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

AUTOMATION & CONTROL SYSTEMS

64/84

JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE
2023	64/84	Q4	24.40
2022	66/82	Q4	20.12
2021	65/82	Q4	21.34
2020	62/76	Q4	19.08
2019	61/76	Q4	20.39
2018	59/73	Q4	19.86
2017	60/73	Q4	18.49

# Citation network

## Cited Half-life

**3.3 years**

The Cited Half-Life is the median age of the items in this journal that were cited in the JCR year. Half of a journal's cited items were published more recently than the cited half-life.

TOTAL NUMBER OF CITES

**1,115**

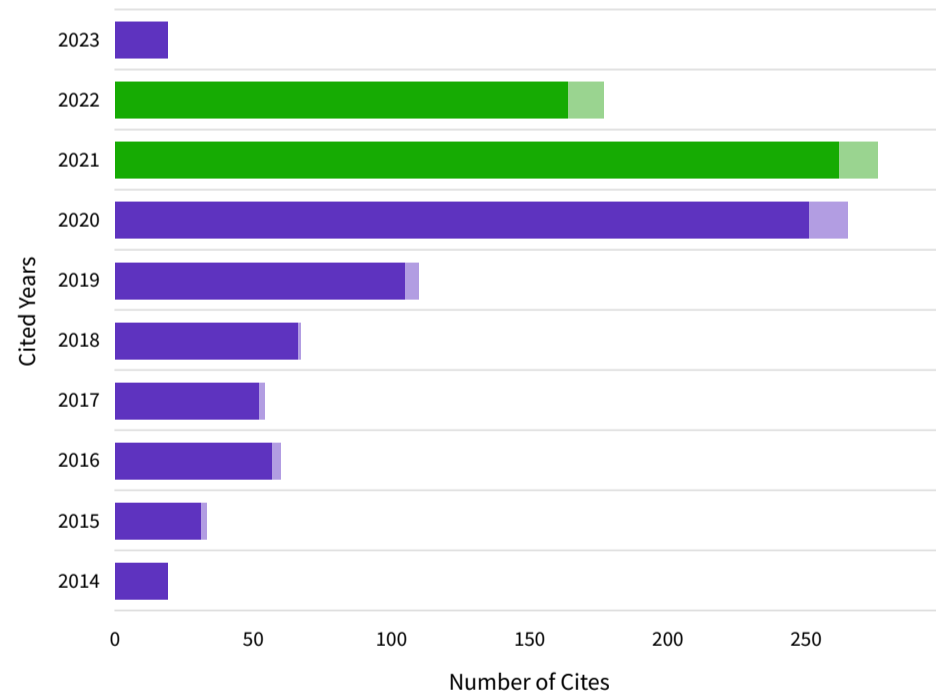
NON SELF-CITATIONS

**1,060**

SELF-CITATIONS

**55**

Cited Half-life Data



- Non-self citations: citations to the journal from the items in other sources
- Citations to items in the journal from items in the same journal
- Citations used to calculate the Impact Factor

## Citing Half-life

**6.4 years**

The Citing Half-Life is the median age of items in other publications cited by this journal in the JCR year.

TOTAL NUMBER OF CITES

**2,757**

NON SELF-CITATIONS

**2,702**

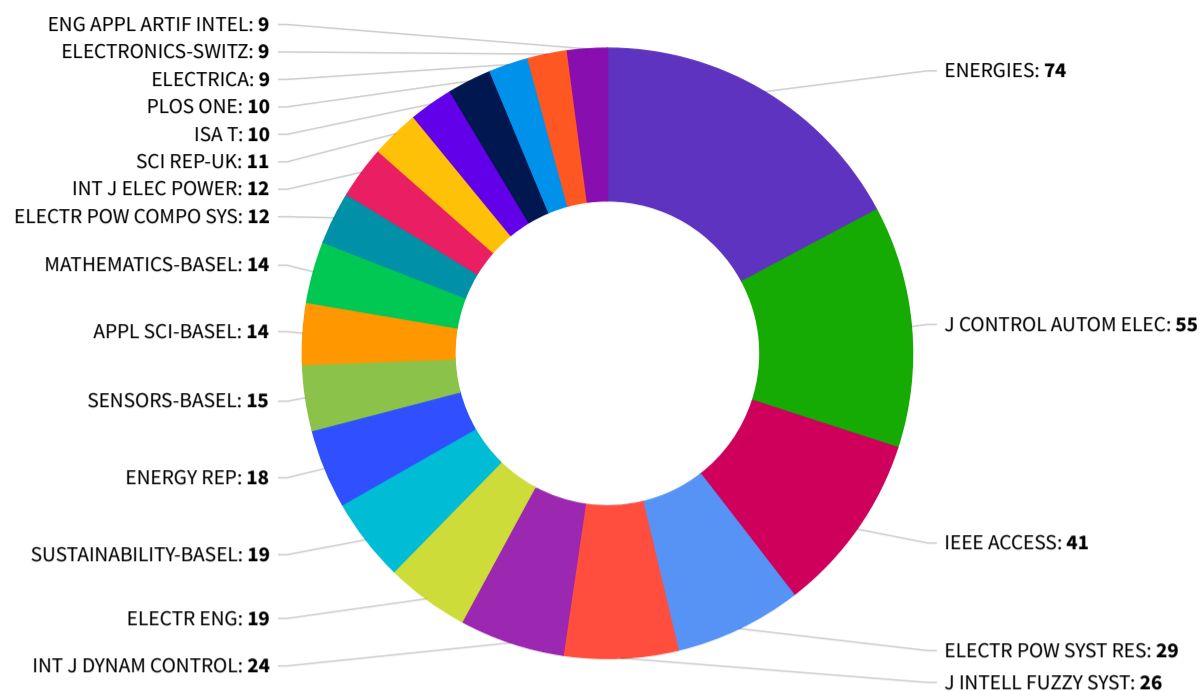
SELF-CITATIONS

**55**

Citing Half-life Data

[Export](#)

CITED YEAR	# OF CITES FROM 2023	CUMULATIVE %	# OF CITING SOURCES
<b>All years</b>	<b>1,115 citations</b>	<b>100.00%</b>	<b>394 sources</b> >
2023	19 citations	1.70%	16 sources >
2022	177 citations	17.58%	103 sources >
2021	276 citations	42.33%	153 sources >
2020	265 citations	66.10%	145 sources >
2019	110 citations	75.96%	79 sources >
2018	67 citations	81.97%	48 sources >
2017	54 citations	86.82%	37 sources >
2016	60 citations	92.20%	47 sources >
2015	33 citations	95.16%	31 sources >
2014	19 citations	96.86%	18 sources >
Older	35 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](#)

**80 total citable items**

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	PERCENTAGE
NUMBER IN JCR YEAR 2023 (A)	79	1	80	0	100%
NUMBER OF REFERENCES (B)	2,736	21	2,757	0	100%
RATIO (B/A)	34.6	21.0	34.5	N/A	

## 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	28.0
AUTOMATION & CONTROL SYSTEMS	28.0

## Contributions by organizations

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## Contributions by country/region

[Export](#)

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

RANK	ORGANIZATION	COUNT
1	UNIVERSIDADE DE SAO PAULO	40
2	NATIONAL INSTITUTE OF TECHNOLOGY (NIT SYSTEM)	25
3	UNIVERSIDADE FEDERAL DO RIO DE JANEIRO	20
4	UNIVERSIDADE ESTADUAL DE CAMPINAS	19
5	UNIVERSIDADE FEDERAL DE JUIZ DE FORA	16
6	UNIVERSIDADE	15

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	Brazil	235
2	India	51
3	CHINA MAINLAND	21
4	Algeria	16
5	Morocco	14
6	Iran	11
-	Vietnam	11
8	France	10
-	USA	10

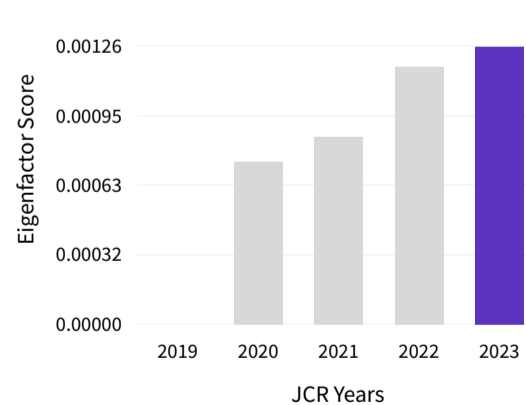
# Additional metrics

## Eigenfactor Score



**0.00126**

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](#)

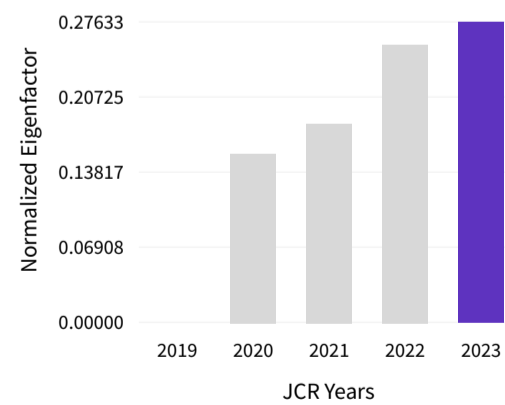


## Normalized Eigenfactor



**0.27633**

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](#)

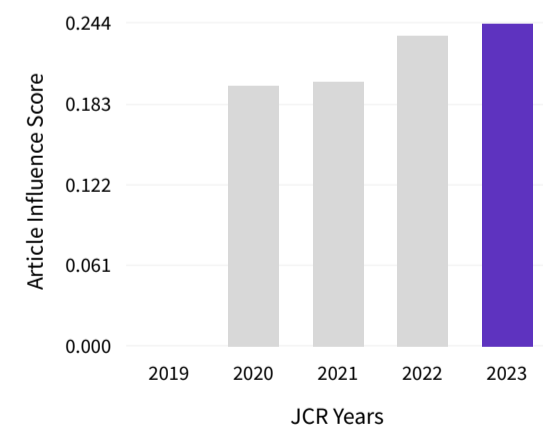


## Article influence score



**0.244**

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



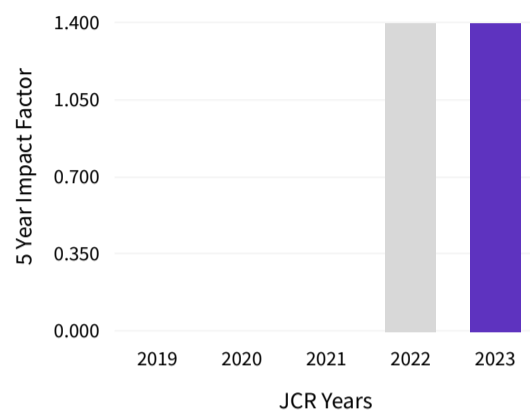
## Immediacy Index



# 1.4

[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. [Learn more](#)



# 0.2

[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](#)

