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JCR Year
2023

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Revista Brasileira de Engenharia Agrícola e Ambiental

Open Access since 2000

ISSN

1415-4366

EISSN

1807-1929

JCR ABBREVIATION

REV BRAS ENG AGR AMB

ISO ABBREVIATION

Rev. Bras. Eng. Agric. Ambient.

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

AGRICULTURAL ENGINEERING

LANGUAGES

Multi-Language

REGION

BRAZIL

1ST ELECTRONIC JCR YEAR

2012

Publisher information

PUBLISHER

UNIV FEDERAL CAMPINA GRANDE

ADDRESS

RUA APRIGIO VELOSO
882, BODO CONGO,
CAMPINA GRANDE PB
58109 090, BRAZIL

PUBLICATION FREQUENCY

12 issues/year



2023 JOURNAL IMPACT FACTOR

1.4

[View calculation](#)

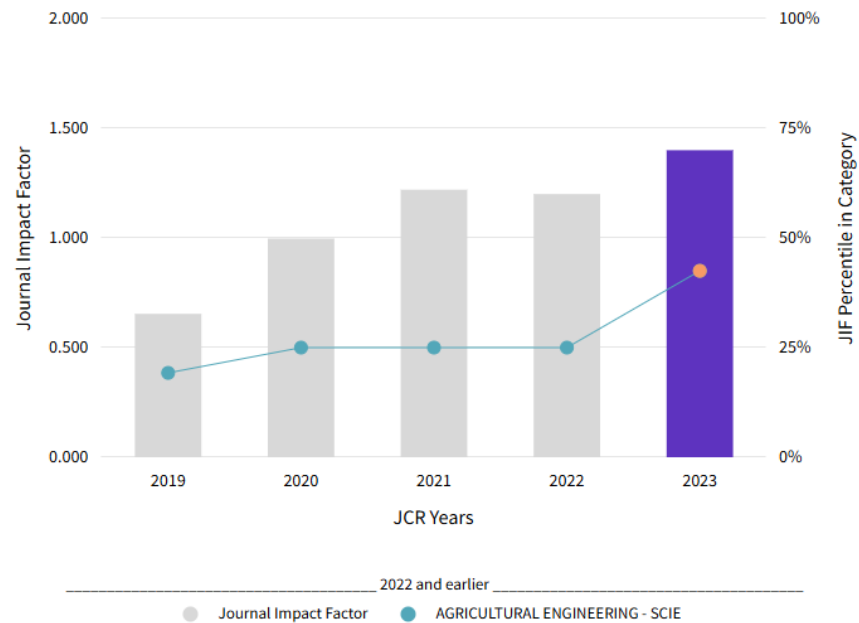
JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

1.1

[View calculation](#)

Journal Impact Factor Trend 2023

[Export](#)



Journal Impact Factor contributing items

[Export](#)

Citable items (240)		Citing Sources (114)	
TITLE	CITATION COUNT		
Morphophysiology and production of guava as a function of water salinity and salicylic acid	11		
Hydrogen peroxide as attenuator of salt stress effects on the physiology and biomass of yellow passion fruit	10		
Growth and gas exchange of soursop under salt stress and hydrogen peroxide application	9		
Water restriction in cowpea plants [<i>Vigna unguiculata</i> (L.) Walp.]: Metabolic changes and tolerance induction1	9		
Growth and gas exchange of corn under salt stress and nitrogen doses	7		
Salicylic acid attenuates the harmful effects of salt stress on basil	7		
Salicylic acid improves physiological indicators of soursop irrigated with saline water	7		
Physiological changes of pomegranate seedlings under salt stress and nitrogen fertilization	6		
Allometric relationship and leaf area modeling estimation on chia by non-destructive method	5		
Cover and soil temperature under different cover scenarios	5		



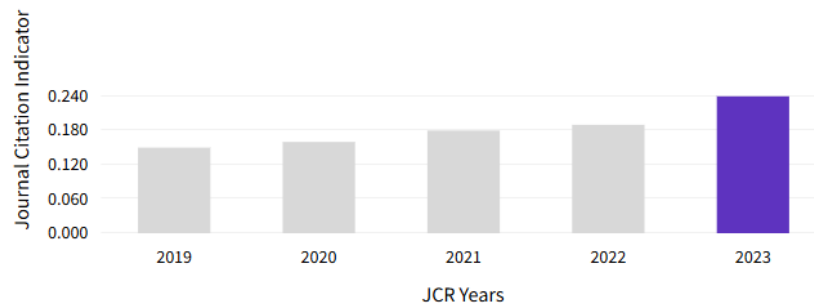
Journal Citation Indicator (JCI)

[Export](#)

0.24

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](#)



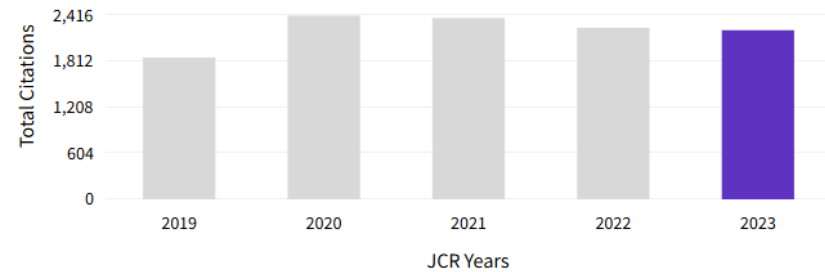
[View all years](#)

Total Citations

[Export](#)

2,224

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

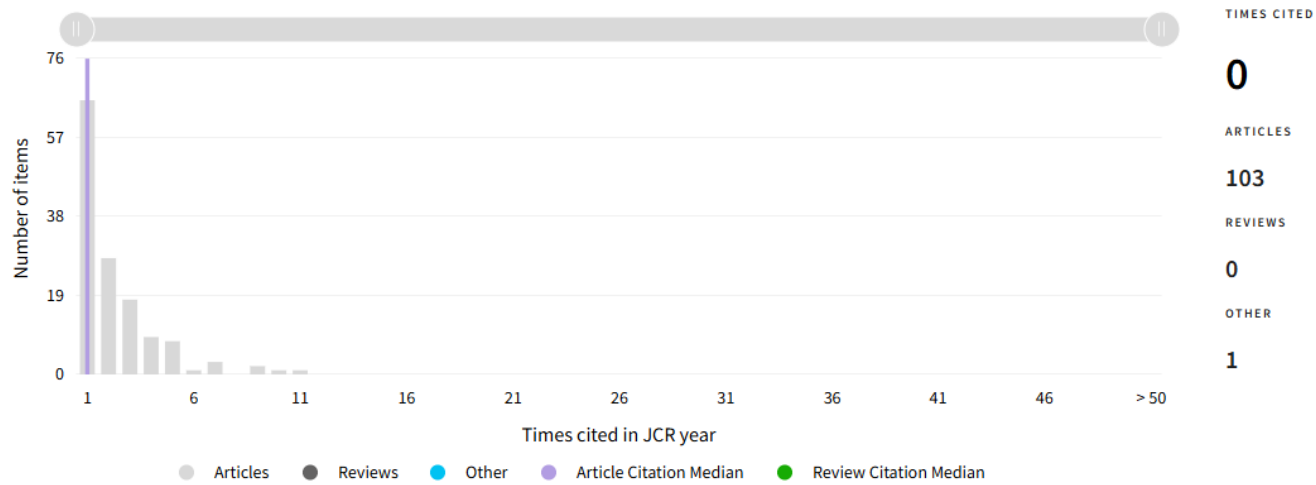
1

REVIEW CITATION MEDIAN

N/A

UNLINKED CITATIONS

12



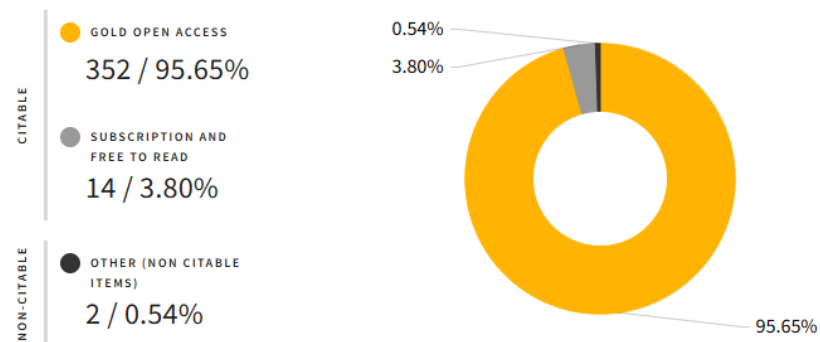
Open Access (OA)

[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](#)

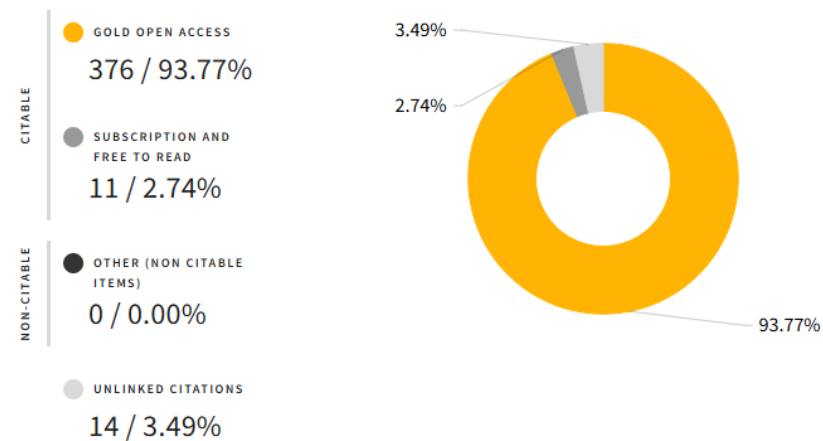
Items

TOTAL CITABLE 366 % OF CITABLE OA 96.17%



Citations*

TOTAL CITABLE 387 % OF CITABLE OA 97.16%



*Citations in 2023 to items published in [2021 - 2023]

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

AGRICULTURAL ENGINEERING

12/20

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE	
2023	12/20	Q3	42.5	

Rank by JIF before 2023 for AGRICULTURAL ENGINEERING

Rank by Journal Impact Factor data table latest

EDITION

Science Citation Index Expanded (SCIE)

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE	
2022	11/14	Q4	25.0	
2021	11/14	Q4	25.00	
2020	11/14	Q4	25.00	
2019	11/13	Q4	19.23	








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

AGRICULTURAL ENGINEERING

11/20

JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE	
2023	11/20	Q3	47.50	
2022	12/17	Q3	32.35	
2021	12/17	Q3	32.35	
2020	12/16	Q3	28.13	
2019	12/16	Q3	28.13	
2018	12/16	Q3	28.13	
2017	12/16	Q3	28.13	

Citation network

Cited Half-life

7.2 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

2,224

NON SELF-CITATIONS

2,027

SELF-CITATIONS

197

Citing Half-life

5.0 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

4,299

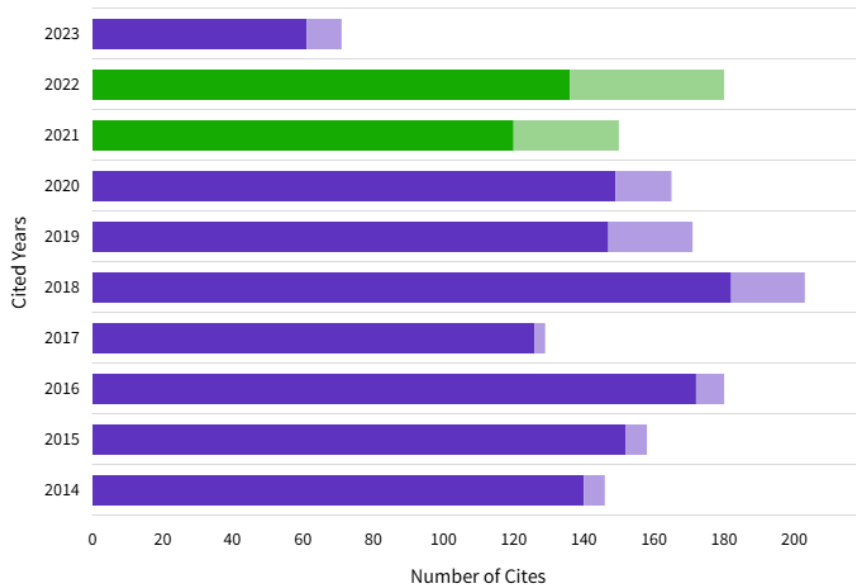
NON SELF-CITATIONS

4,102

SELF-CITATIONS

197

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 Data

Export

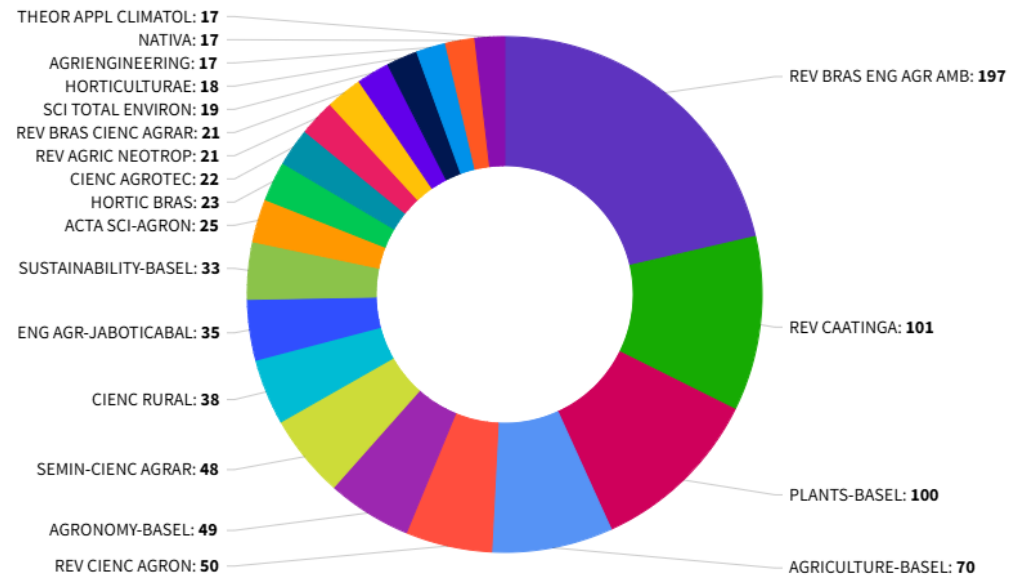
CITED YEAR	# OF CITES FROM 2023	CUMULATIVE %	# OF CITING SOURCES
All years	2,224 citations	100.00%	501 sources
2023	71 citations	3.19%	31 sources
2022	180 citations	11.29%	65 sources
2021	150 citations	18.03%	75 sources
2020	165 citations	25.45%	98 sources
2019	171 citations	33.14%	93 sources
2018	203 citations	42.27%	100 sources
2017	129 citations	48.07%	88 sources
2016	180 citations	56.16%	104 sources
2015	158 citations	63.26%	106 sources
2014	146 citations	69.83%	91 sources
Older	671 citations		

Journal Citation Relationships

Cited Data

Citing Data

Top 20 journals citing REV BRAS ENG AGR AMB by number of citations

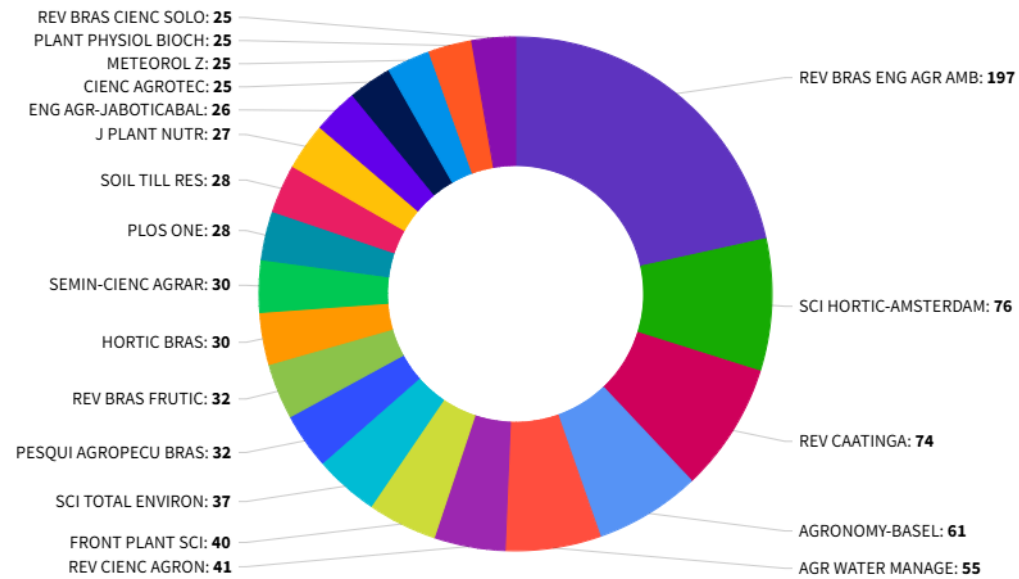


Journal Citation Relationships

Cited Data

Citing Data

Top 20 journals cited by REV BRAS ENG AGR AMB 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](#)

126 total citable items

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	PERCENTAGE
NUMBER IN JCR YEAR 2023 (A)	126	0	126	1	99%
NUMBER OF REFERENCES (B)	4,298	0	4,298	1	100%
RATIO (B/A)	34.1	N/A	34.1	1.0	

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

42.5

AGRICULTURAL ENGINEERING

42.5

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	UNIVERSIDADE FEDERAL DE CAMPINA GRANDE	70
2	EMPRESA BRASILEIRA DE PESQUISA AGROPECUARIA (EMBRAPA)	43
3	UNIVERSIDADE FEDERAL RURAL DO SEMI-ARIDO (UFERSA)	34
4	UNIVERSIDADE FEDERAL DO CEARA	33
-	UNIVERSIDADE FEDERAL RURAL DE PERNAMBUCO (UFRPE)	33
6	UNIVERSIDADE ESTADUAL PAULISTA	30
7	UNIVERSIDADE FEDERAL DA PARAIBA	24
8	UNIVERSIDADE DE SAO PAULO	19
9	UNIVERSIDADE DA INTEGRACAO INTERNACIONAL	17

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	Brazil	349
2	USA	7
3	CHINA MAINLAND	5
4	Chile	4
-	Colombia	4
-	Spain	4
7	Vietnam	3
8	Mozambique	2
-	Peru	2
10	Egypt	1

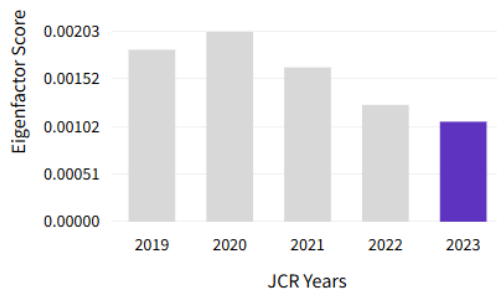
Additional metrics

Eigenfactor Score



0.00107

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](#)

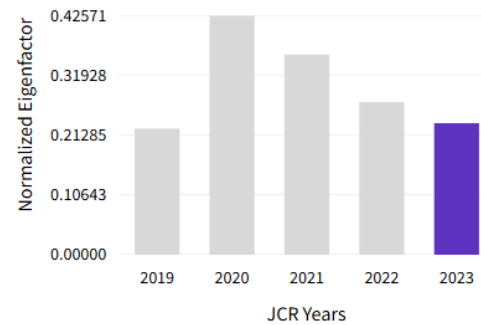


Normalized Eigenfactor



0.23455

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](#)

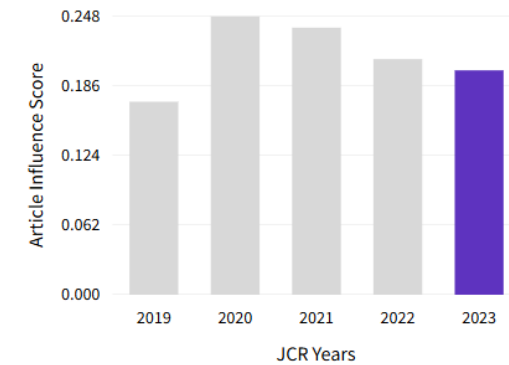


Article influence score



0.200

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](#)



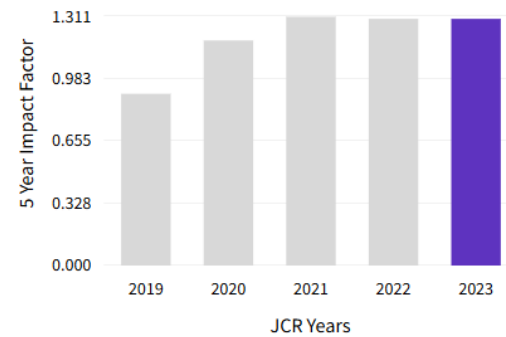
5 Year Impact Factor



1.3

[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](#)



Immediacy Index



0.6

[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](#)

