

2022 Journal Performance Data for: Revista Internacional de Metodos Numericos para Calculo y Diseno en Ingenieria

 Open Access since 2016

ISSN
0213-1315

EISSN
N/A

JCR ABBREVIATION
REV INT METOD NUMER

ISO ABBREVIATION
Rev. Int. Metod. Numer. Calc.
Dise.

Journal Information

EDITION
Science Citation Index
Expanded (SCIE)

CATEGORY
MATHEMATICS,
INTERDISCIPLINARY
APPLICATIONS - SCIE
ENGINEERING,
MULTIDISCIPLINARY - SCIE

LANGUAGES
Spanish

REGION
SPAIN

1ST ELECTRONIC JCR YEAR
2009

Publisher Information

PUBLISHER
SCIPEDIA S L

ADDRESS
SCIPEDIA S L, BARCELONA
00000, SPAIN

PUBLICATION FREQUENCY
4 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](#)

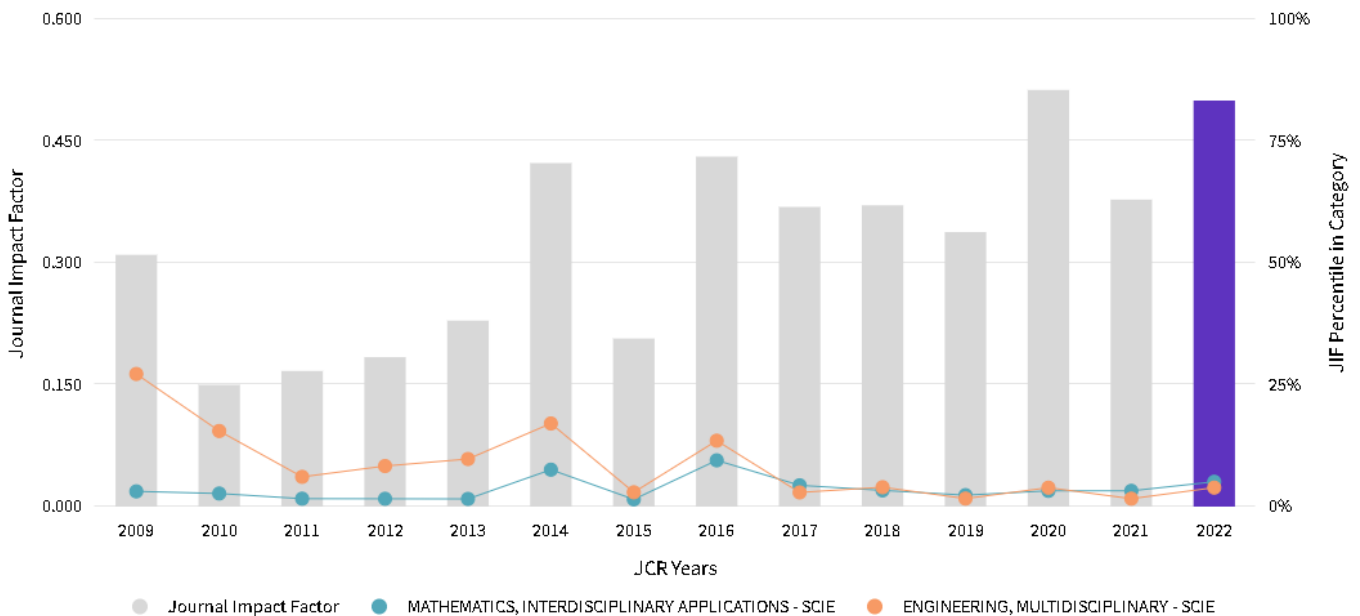
2022 JOURNAL IMPACT FACTOR

0.5

2022 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.5

Journal Impact Factor Trend 2022



Journal Impact Factor is calculated using the following metrics






$$\frac{\text{Citations in 2022 to items published in 2020 (36) - 2021 (13)}}{\text{Number of citable items in 2020 (50) + 2021 (49)}} = \frac{49}{99} = 0.5$$

Journal Impact Factor without self cites is calculated using the following metrics

$$\frac{\text{Citations in 2022 to items published in 2020 (36) + 2021 (13) - Self Citations in 2022 to items published in 2020 (1) + 2021 (3)}}{\text{Number of citable items in 2020 (50) + 2021 (49)}} = \frac{49 - 4}{99} = 0.5$$

Journal Impact Factor Contributing Items

Citable Items (99)

TITLE	CITATION COUNT
Review of new flow friction equations: Constructing Colebrook's explicit correlations accurately Authors: Praks, Pavel;Brkic, Dejan Volume: 36 Accession number: WOS:000595371000003 Document Type: Review	9 
Machine learning techniques to predict the compressive strength of concrete Authors: Silva, Priscila F. S.;Moita, Gray Farias;Arruda, Vanderci Fernandes Volume: 36 Accession number: WOS:000585103900002 Document Type: Article	7 
Active vibration control analysis in smart composite structures using ANSYS Authors: Shakir, AbdulRahman B.;Saber, Azad M. Volume: 36 Accession number: WOS:000532110700004 Document Type: Article	3 
Non-linear analyses to assess the seismic performance of RC buildings retrofitted with FRP Authors: Vielma-Perez, Juan-Carlos;Cristina Porcu, Maria;Gomez, Miguel A. Volume: 36 Accession number: WOS:000532110700002 Document Type: Article	3 
Analysis of structure and starting characteristics of three-shaft ring-plate permanent magnet gear Authors: Ge, Yanjun;Liu, Dongning Volume: 37 Accession number: WOS:000713202100004 Document Type: Article	2 

Showing 1-5 rows of 99 total (use export in the relevant section to download the full table)

Journal Impact Factor Contributing Items

Citing Sources (36)

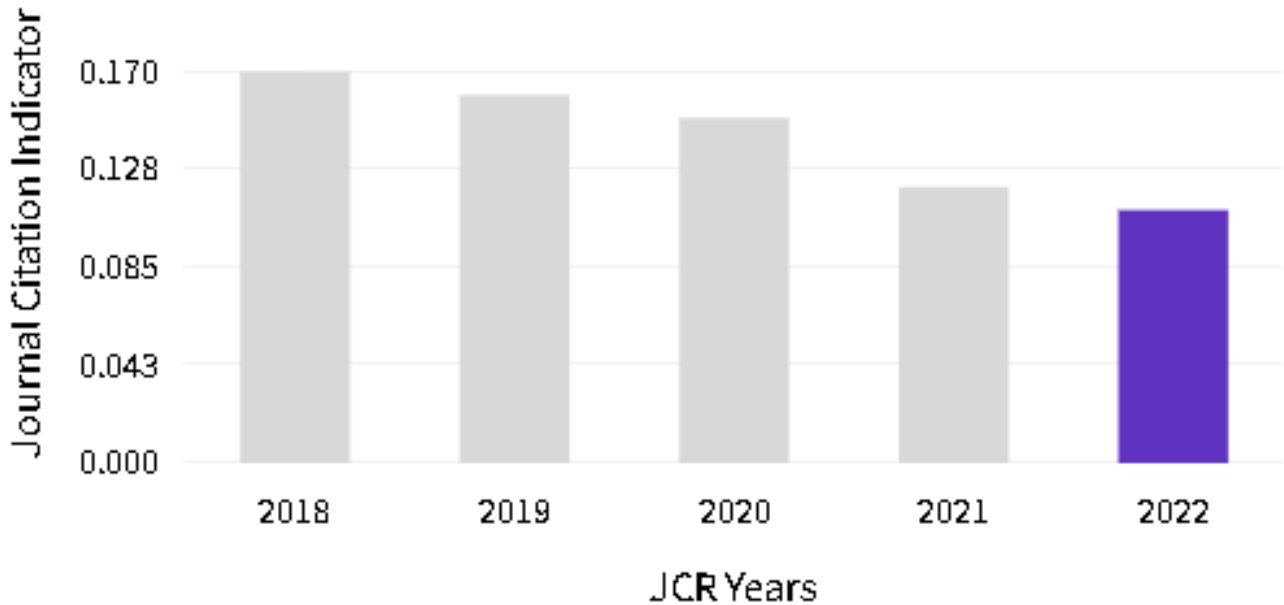
SOURCE NAME	COUNT
REVISTA INTERNACIONAL DE METODOS NUMERICOS PARA CALCULO Y DISENO EN INGENIERIA	4
JOURNAL OF MARINE SCIENCE AND ENGINEERING	3
AXIOMS	2
CASE STUDIES IN CONSTRUCTION MATERIALS	2
ENGINEERING STRUCTURES	2
JOURNAL OF ENGINEERING RESEARCH	2
MATERIALS	2
PROBLEMY EKOROZWOJU	2
REMOTE SENSING	2
STRUCTURES	2
ACTA SCIENTIARUM-TECHNOLOGY	1
APPLIED SCIENCES-BASEL	1
BUILDINGS	1
CEMENT & CONCRETE COMPOSITES	1
CIVIL ENGINEERING JOURNAL-TEHRAN	1
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE	1
COMPUTATIONAL ECONOMICS	1
COMPUTER-AIDED CIVIL AND INFRASTRUCTURE ENGINEERING	1
CONSTRUCTION AND BUILDING MATERIALS	1
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	1

Showing 1-20 rows of 36 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)

0.11

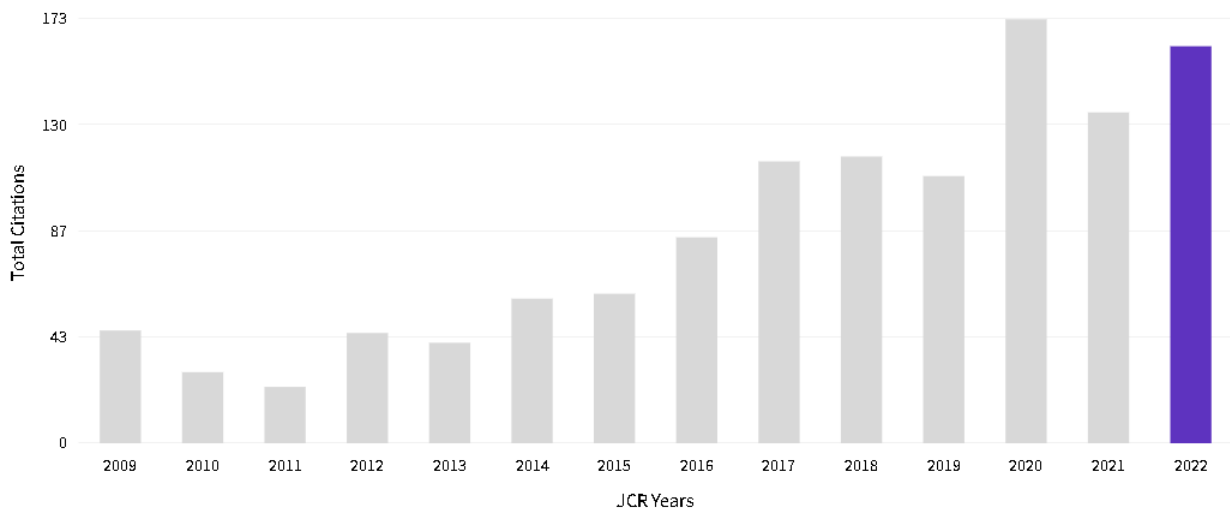
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



Total Citations

162

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.



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 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

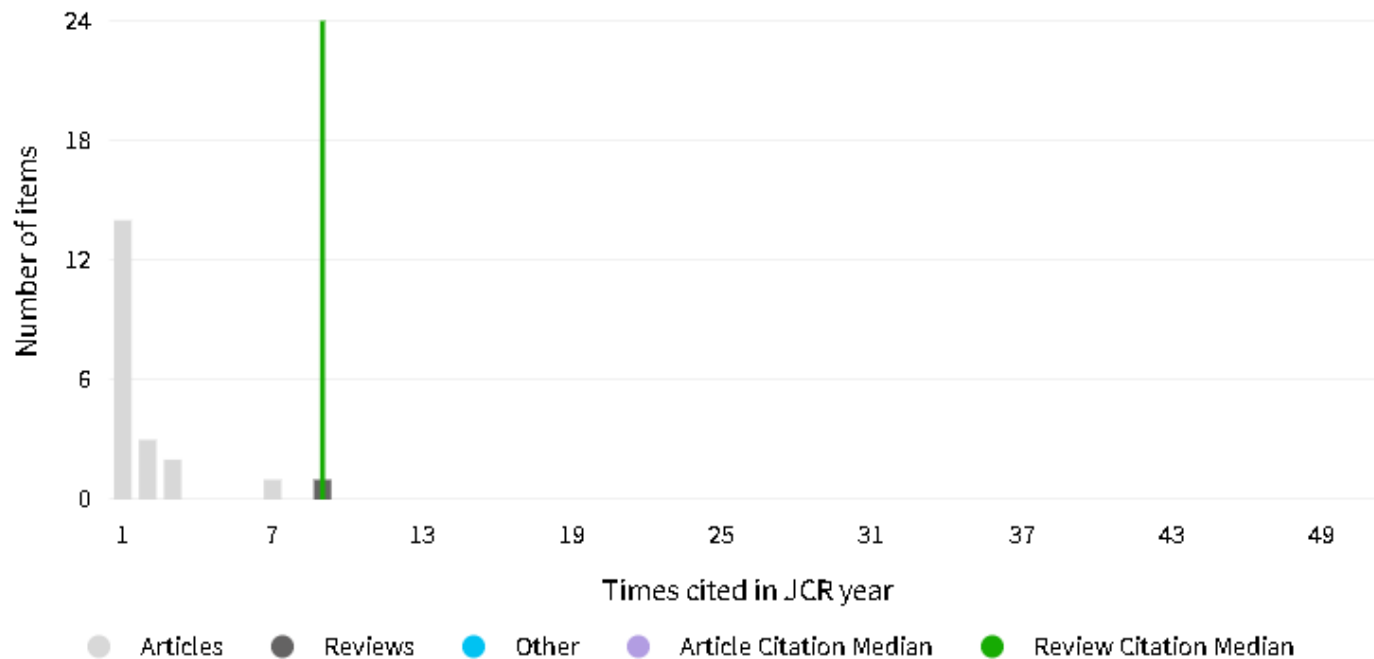
0

REVIEW CITATION MEDIAN

9

UNLINKED CITATIONS

7



0 times cited

ARTICLES

78

REVIEWS

0

OTHER

0

Open Access (OA)

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

139

% OF CITABLE OA

98.56%

CITABLE

● GOLD OPEN ACCESS

137 / 98.56%

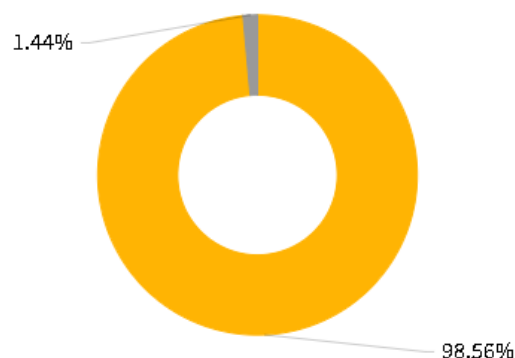
● SUBSCRIPTION OR BRONZE

2 / 1.44%

NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

0 / 0.00%



Citations*

TOTAL CITABLE

45

% OF CITABLE OA

100.00%

CITABLE

● GOLD OPEN ACCESS

45 / 84.91%

● SUBSCRIPTION OR BRONZE

0 / 0.00%

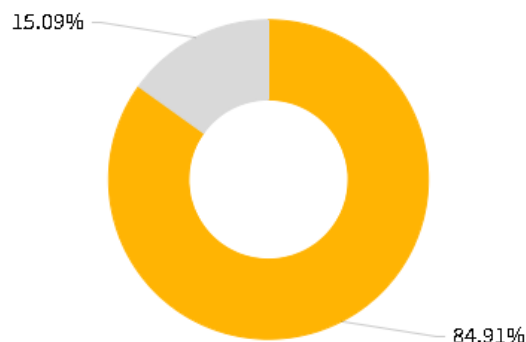
NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

0 / 0.00%

● UNLINKED CITATIONS

8 / 15.09%



* Citations in 2022 to items published in (2020-2022)

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. Data for the most recent year is presented at the top of the list, with other years shown in reverse chronological order. [Learn more](#)

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

ENGINEERING, MULTIDISCIPLINARY

87/90

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	87/90	Q4	3.9	
2021	91/92	Q4	1.63	
2020	87/90	Q4	3.89	
2019	90/91	Q4	1.65	
2018	85/88	Q4	3.98	
2017	84/86	Q4	2.91	
2016	74/85	Q4	13.53	
2015	83/85	Q4	2.94	
2014	71/85	Q4	17.06	
2013	79/87	Q4	9.77	
2012	83/90	Q4	8.33	
2011	85/90	Q4	6.11	
2010	74/87	Q4	15.52	
2009	58/79	Q3	27.22	

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

MATHEMATICS, INTERDISCIPLINARY APPLICATIONS

102/107

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	102/107	Q4	5.1	
2021	105/108	Q4	3.24	
2020	105/108	Q4	3.24	
2019	104/106	Q4	2.36	
2018	102/105	Q4	3.33	
2017	99/103	Q4	4.37	
2016	91/100	Q4	9.50	
2015	100/101	Q4	1.49	
2014	92/99	Q4	7.58	
2013	94/95	Q4	1.58	
2012	92/93	Q4	1.61	
2011	91/92	Q4	1.63	
2010	91/93	Q4	2.69	
2009	78/80	Q4	3.13	

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.

Only journals which have a calculated JCI value are included in the JCI ranking. The total number of journals displayed in this ranking may be less than the category overall. [Learn more](#)

CATEGORY

ENGINEERING, MULTIDISCIPLINARY

151/178

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE
2022	151/178	Q4	15.45
2021	145/175	Q4	17.43
2020	135/170	Q4	20.88
2019	129/169	Q4	23.96
2018	125/168	Q3	25.89
2017	110/168	Q3	34.82

CATEGORY

MATHEMATICS, INTERDISCIPLINARY APPLICATIONS

128/134

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE
2022	128/134	Q4	4.85
2021	129/132	Q4	2.65
2020	122/127	Q4	4.33
2019	120/127	Q4	5.91
2018	118/125	Q4	6.00
2017	108/123	Q4	12.60

Citation network

Cited Half-life

5.6 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

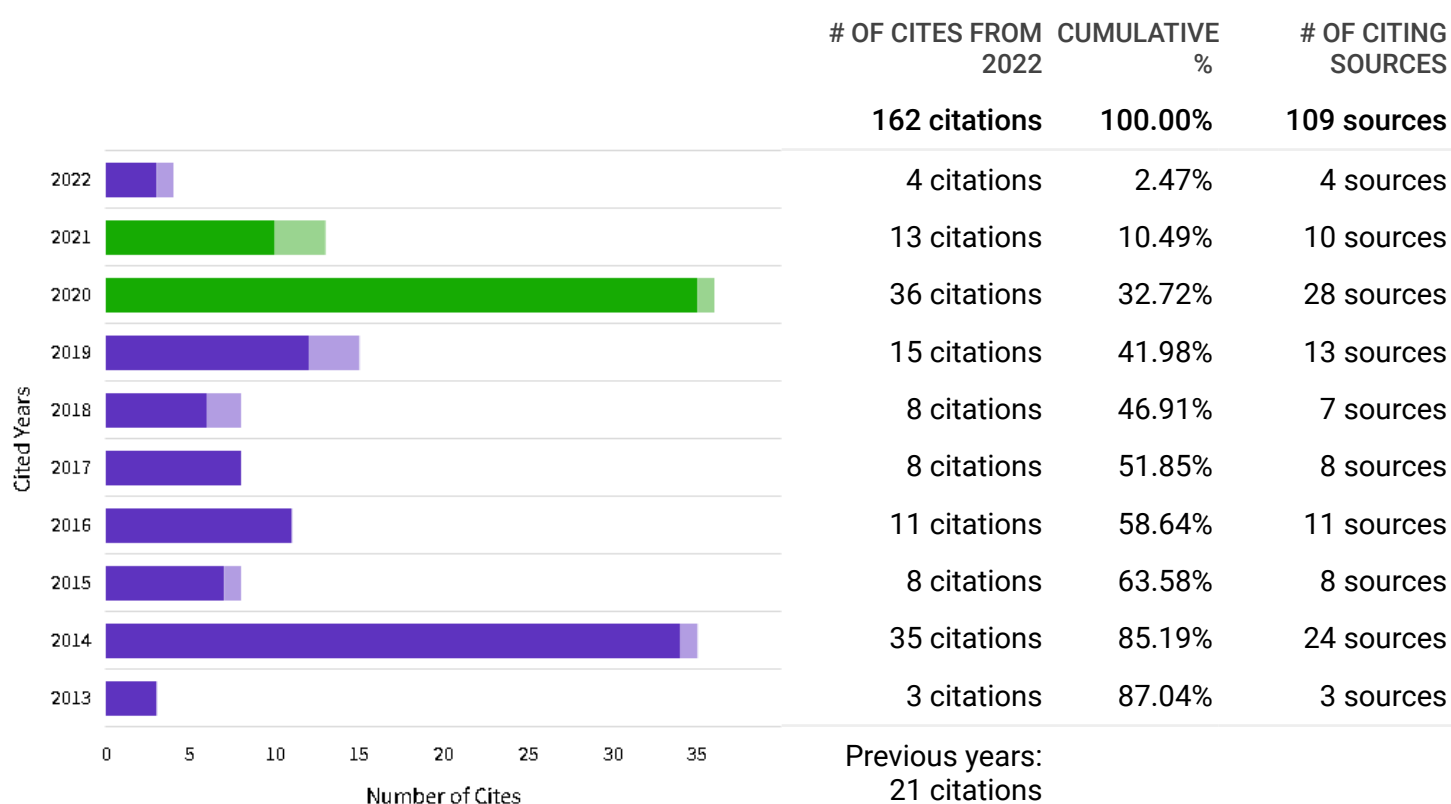
162

NON-SELF CITATIONS

148

SELF CITATIONS

14



- 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 titles in all years

Revista Internacional de Metodos Numericos para Calculo y Diseno en Ingenieria

	SOURCE NAME	COUNT
	All Others	84
1	Revista Internacional de Metodos Numericos para Calculo y Diseno en Ingenieria	14
2	Water	6
3	Axioms	4
4	Journal of Hydrology	4
5	ENGINEERING STRUCTURES	3
6	Ingenieria del Agua	3
7	Journal of Marine Science and Engineering	3
8	Materials	3
9	STRUCTURAL ENGINEERING AND MECHANICS	3
10	Structures	3
11	Sustainability	3
12	WATER RESOURCES MANAGEMENT	3
13	Applied Sciences-Basel	2
14	Buildings	2
15	Case Studies in Construction Materials	2
16	Hydrology	2
17	INMATEH-Agricultural Engineering	2
18	International Journal of Architectural Heritage	2
19	Journal of Building Engineering	2
20	Journal of Engineering Research	2

Showing 1 - 20 rows of 25 total (use export in the relevant section to download the full table)

Citing Half-life

7.3 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

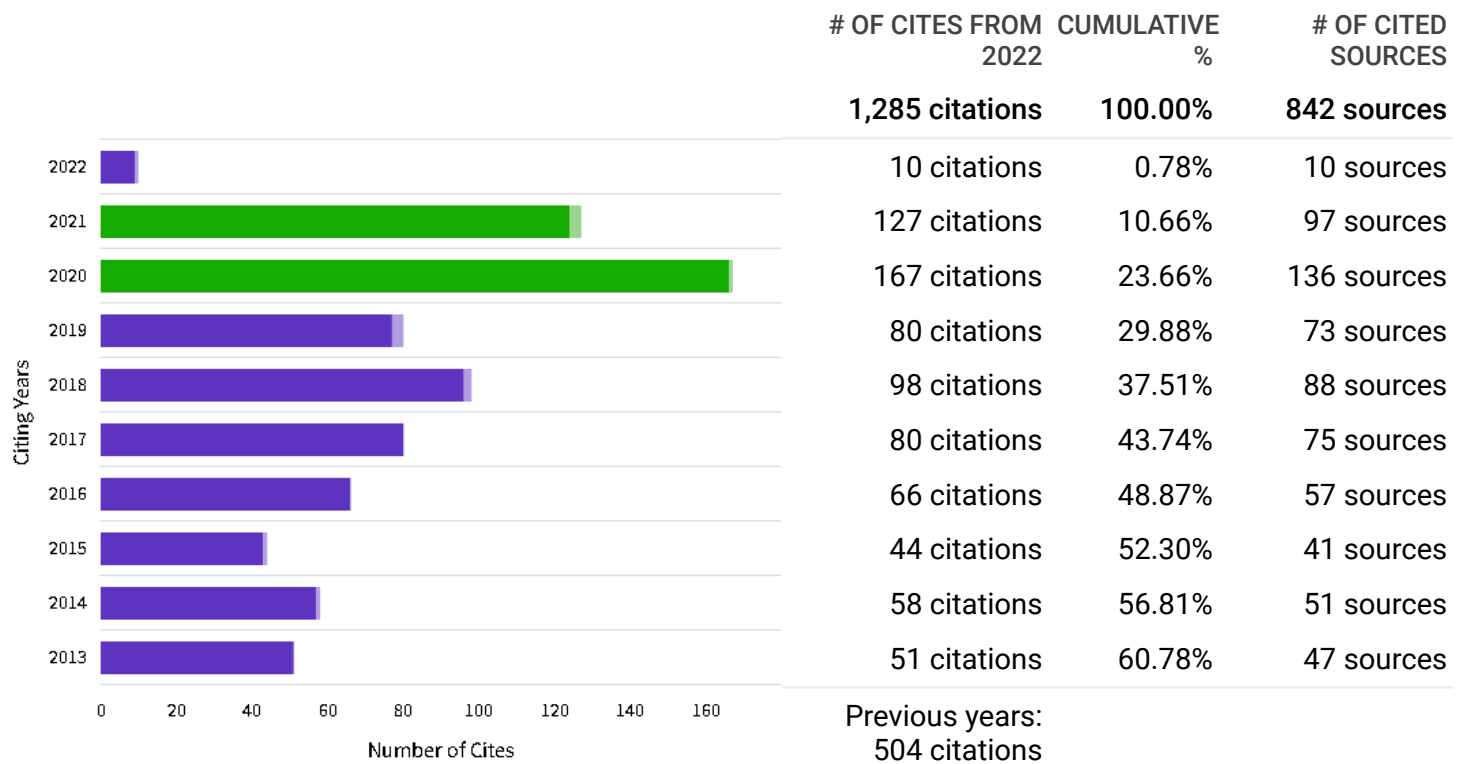
1,285

NON-SELF CITATIONS

1,271

SELF CITATIONS

14



- 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

Cited titles in all years

Revista Internacional de Metodos Numericos para Calculo y Diseno en Ingenieria

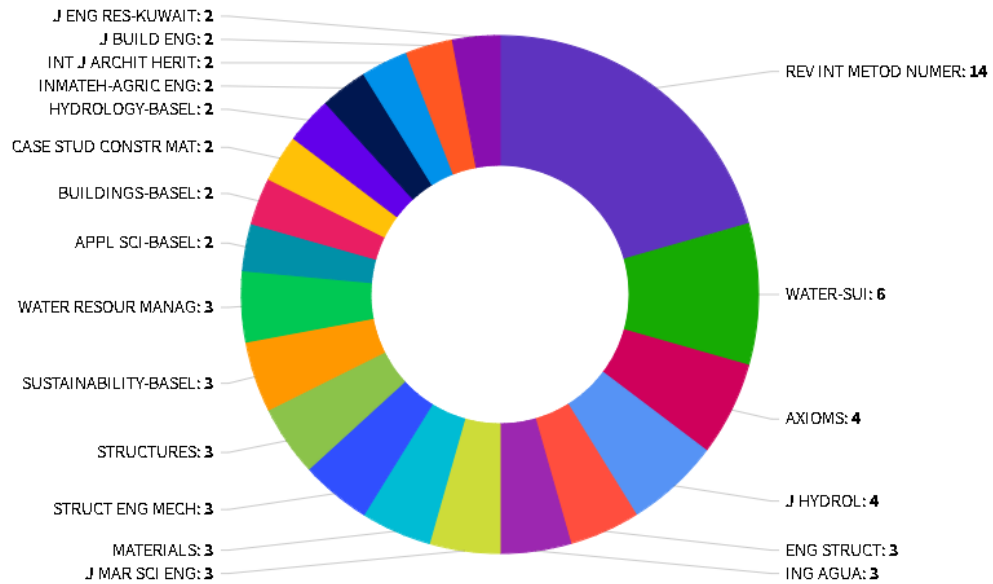
	SOURCE NAME	COUNT
	All Others	661
1	Journal of Cleaner Production	18
2	Revista Internacional de Metodos Numericos para Calculo y Diseno en Ingenieria	14
3	Computers & Industrial Engineering	13
4	INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY	13
5	COMPUTERS & OPERATIONS RESEARCH	11
6	CHAOS SOLITONS & FRACTALS	10
7	EARTHQUAKE ENGINEERING & STRUCTURAL DYNAMICS	10
8	EUROPEAN JOURNAL OF OPERATIONAL RESEARCH	10
9	COMPUTERS IN BIOLOGY AND MEDICINE	9
10	JOURNAL OF PROSTHETIC DENTISTRY	9
11	Ocean Engineering	8
12	Bulletin of Earthquake Engineering	7
13	CLINICAL ORAL IMPLANTS RESEARCH	7
14	COMPUTER METHODS IN APPLIED MECHANICS AND ENGINEERING	7
15	Energies	7
16	Ingenieria del Agua	7
17	JOURNAL OF QUALITY TECHNOLOGY	7
18	BULLETIN OF THE SEISMOLOGICAL SOCIETY OF AMERICA	6
19	COMPUTERS AND GEOTECHNICS	6
20	JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	6

Showing 1 - 20 rows of 139 total (use export in the relevant section to download the full table)

Journal Citation Relationships

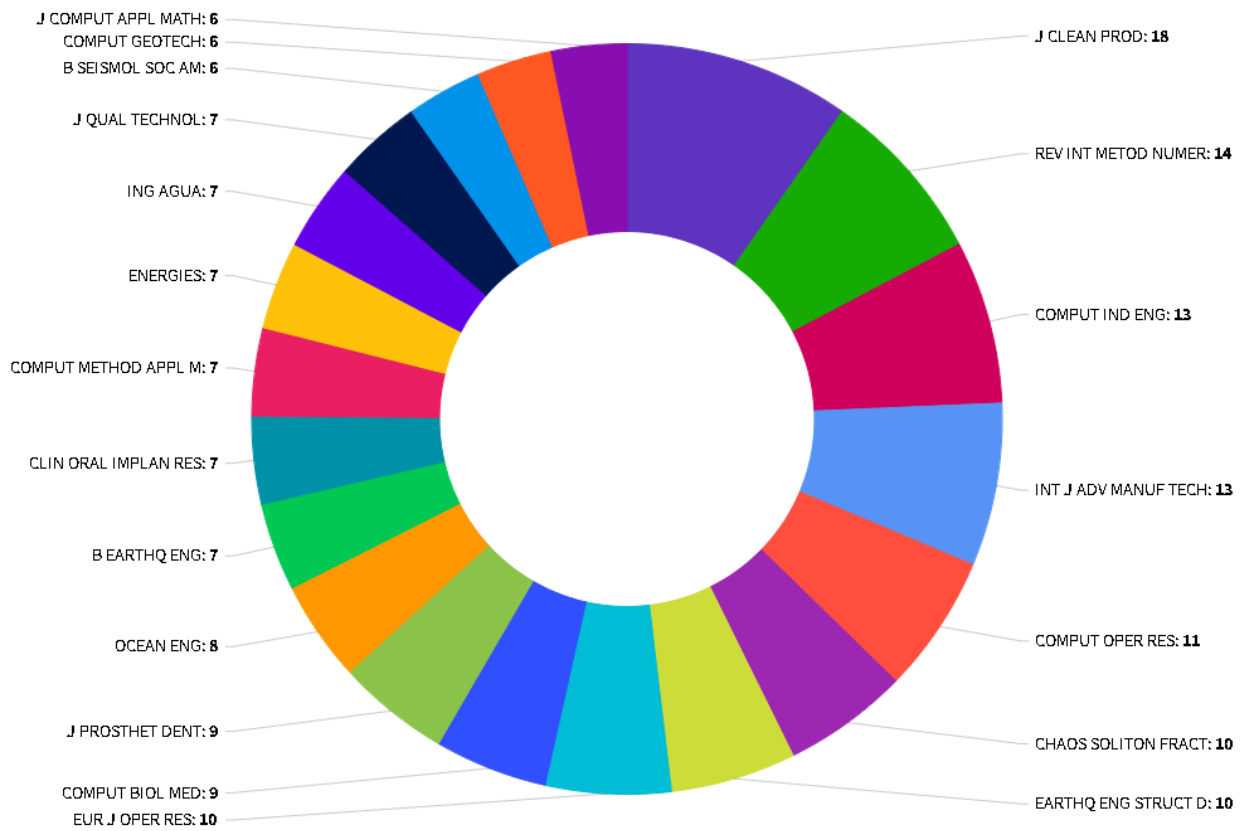
Cited Data

Top 20 journals citing REV INT METHOD NUMER by number of citations



Citing Data

Top 20 journals cited by REV INT METHOD NUMER 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](#)

40 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2022 (A)	39	1	40	N/A	100%
NUMBER OF REFERENCES (B)	1,243	42	1,285	N/A	100%
RATIO (B/A)	31.9	42.0	32.1	N/A	

Contributions by Organizations









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 DO PARANA	11	
2	UNIVERSIDAD NACIONAL DE COLOMBIA	9	
3	ISLAMIC AZAD UNIVERSITY	8	
4	PONTIFICIA UNIVERSIDADE CATOLICA DO PARANA	6	
-	SOUTHWEST PETROLEUM UNIVERSITY	6	
6	CHINA NATIONAL PETROLEUM CORPORATION	5	
-	NORTHWESTERN POLYTECHNICAL UNIVERSITY	5	
-	UNIVERSITAT POLITECNICA DE CATALUNYA	5	

Showing 1 - 8 rows of 175 total (use export in the relevant section to download the full table)

Contributions by country/region

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	49	
2	Brazil	22	
3	Mexico	16	
4	Colombia	14	
5	Spain	13	
6	Iran	8	
7	Chile	3	
-	Ecuador	3	

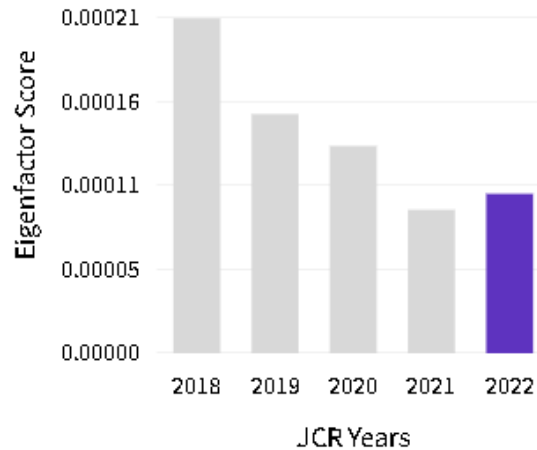
Showing 1 - 8 rows of 27 total (use export in the relevant section to download the full table)

Additional metrics

Eigenfactor score

0.00010

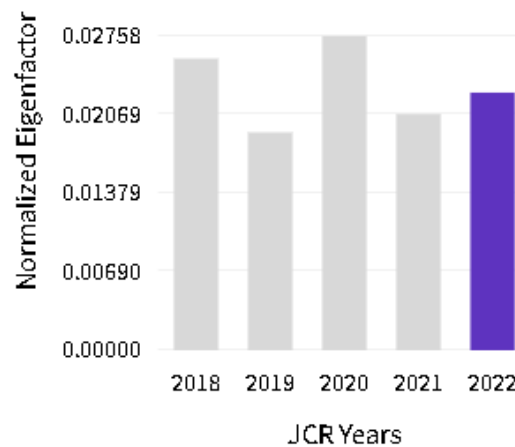
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



Normalized Eigenfactor

0.02262

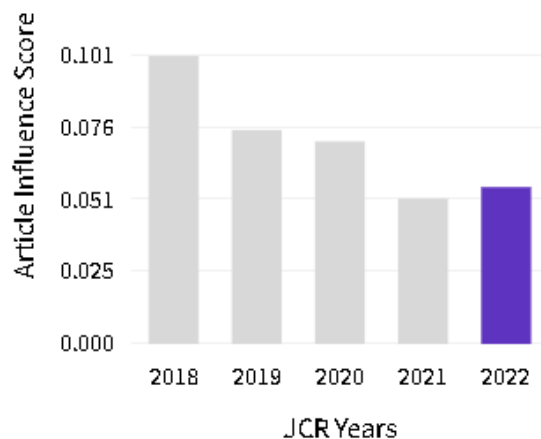
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.055

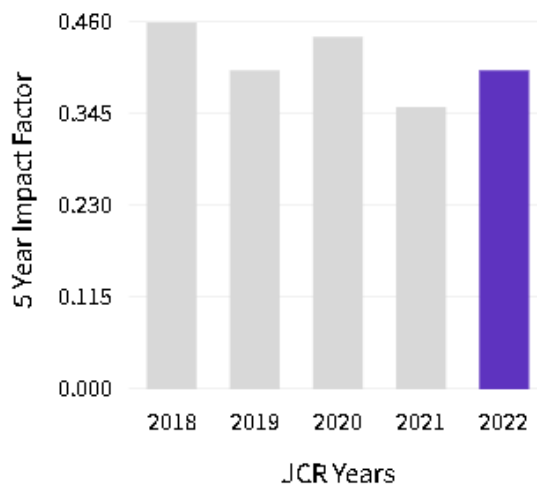
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.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



5 year Impact Factor

0.4

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.



5 year Impact Factor calculation

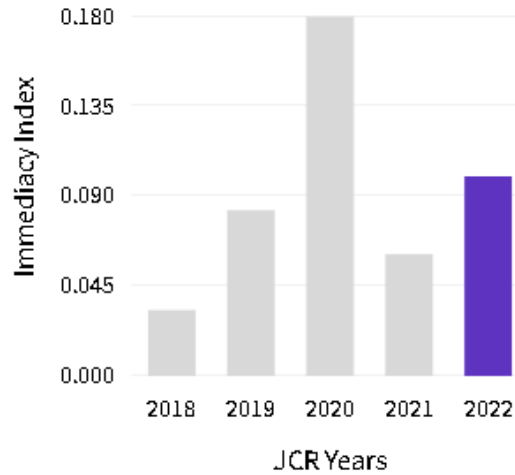
Citations in 2022 to items published in [2017-2021] (80)				
<hr/>	=	<hr/>	=	0.4
Number of citable items in [2017-2021] (215)		80		215

Immediacy Index

0.1

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](#)



Immediacy Index calculation

Cites in 2022 to items published in 2022	4	
<hr/>		4 / 40 = 0.100
Number of items published in 2022	40	