

2022 Journal Performance Data for: JOURNAL OF INFORMATION SCIENCE AND ENGINEERING

ISSN	EISSN
1016-2364	N/A
JCR ABBREVIATION	ISO ABBREVIATION
J INF SCI ENG	J. Inf. Sci. Eng.

Journal Information

EDITION		CATEGORY
Science Citation Index Expanded (SCIE)		COMPUTER SCIENCE, INFORMATION SYSTEMS - SCIE
LANGUAGES	REGION	1ST ELECTRONIC JCR YEAR
English	TAIWAN	2000

Publisher Information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
INST INFORMATION SCIENCE	ACADEMIA SINICA, TAIPEI 115, TAIWAN	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](#)

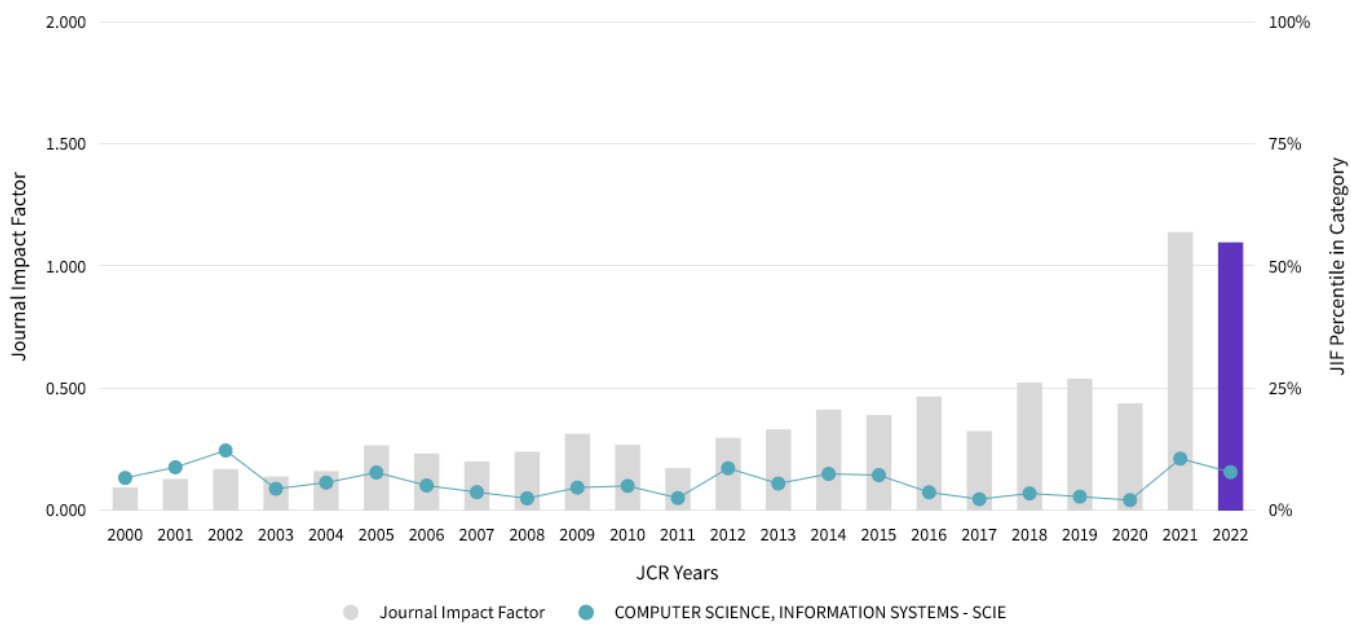
2022 JOURNAL IMPACT FACTOR

1.1

2022 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

1.1

Journal Impact Factor Trend 2022



Journal Impact Factor is calculated using the following metrics

Citations in 2022 to items published in 2020 (115) - 2021 (66)		181		
	=		=	1.1
Number of citable items in 2020 (84) + 2021 (84)		168		

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

Citations in 2022 to items published in 2020 (115) + 2021 (66) - Self Citations in 2022 to items published in 2020 (0) + 2021 (0)		181 - 0		
	=		=	1.1
Number of citable items in 2020 (84) + 2021 (84)		168		

Journal Impact Factor Contributing Items

Citable Items (168)

TITLE	CITATION COUNT
<p>Optimization of Wireless Sensor Network Coverage using the Bee Algorithm Authors: Khalaf, Osamah Ibrahim;Abdulsahib, Ghaida Muttashar;Sabbar, Bayan Mahdi Volume: 36 Accession number: WOS:000523607200015 Document Type: Article</p>	48
<p>Design and Performance Analysis of Wireless IPv6 for Data Exchange Authors: Khalaf, Osamah Ibrahim;Abdulsahib, Ghaida Muttashar Volume: 37 Accession number: WOS:000723151500008 Document Type: Article</p>	20
<p>Conforming Dynamics in the Metric Spaces Authors: Thivagar, M. Lellis;Hamad, Abdulsattar Abdullah;Ahmed, S. G. Volume: 36 Accession number: WOS:000523607200008 Document Type: Article</p>	8
<p>Joint Type-I Generalized Hybrid Censoring for Estimation Two Weibull Distributions Authors: Algarni, Ali;Almarashi, Abdullah M.;Abd-Elmougod, G. A. Volume: 36 Accession number: WOS:000586368200008 Document Type: Article</p>	8
<p>Unsupervised Weighting of Transfer Rules in Rule-Based Machine Translation using Maximum-Entropy Approach Authors: Bayatli, Sevilay;Kurnaz, Sefer;Ali, Aboelhamd;Washington, Jonathan North;Tyers, Francis M. Volume: 36 Accession number: WOS:000523607200010 Document Type: Article</p>	7

Showing 1-5 rows of 168 total (use export in the relevant section to download the full table)

Journal Impact Factor Contributing Items

Citing Sources (94)

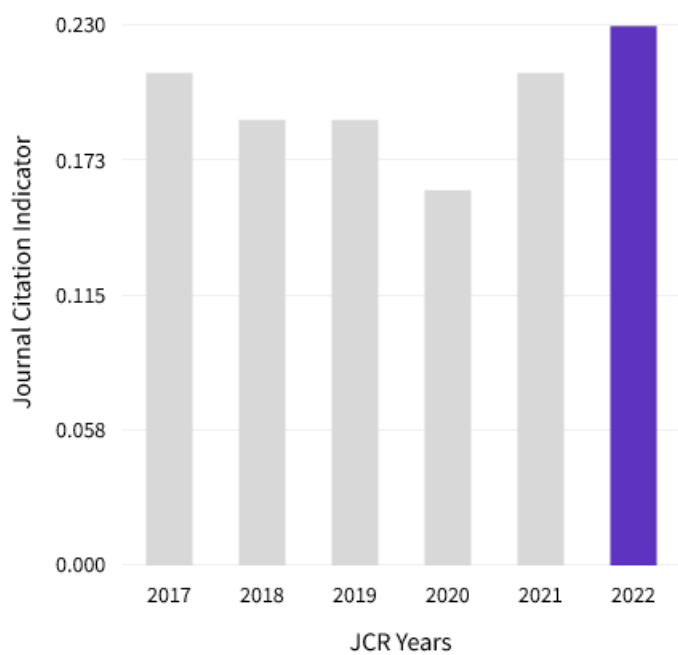
SOURCE NAME	COUNT
WIRELESS COMMUNICATIONS & MOBILE COMPUTING	16
SECURITY AND COMMUNICATION NETWORKS	13
COMPUTATIONAL INTELLIGENCE AND NEUROSCIENCE	10
SUSTAINABILITY	7
THERMAL SCIENCE	6
CMC-COMPUTERS MATERIALS & CONTINUA	5
ELECTRONICS	5
MATHEMATICAL PROBLEMS IN ENGINEERING	5
IEEE ACCESS	4
JOURNAL OF CASES ON INFORMATION TECHNOLOGY	4
ALEXANDRIA ENGINEERING JOURNAL	3
APPLIED SCIENCES-BASEL	3
INTERNATIONAL JOURNAL OF COMPUTER APPLICATIONS IN TECHNOLOGY	3
JOURNAL OF SENSORS	3
MOBILE INFORMATION SYSTEMS	3
SOFT COMPUTING	3
SYMMETRY-BASEL	3
APPLIED BIONICS AND BIOMECHANICS	2
COMPUTATIONAL AND MATHEMATICAL METHODS IN MEDICINE	2
COMPUTER SYSTEMS SCIENCE AND ENGINEERING	2

Showing 1-20 rows of 94 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)

0.23

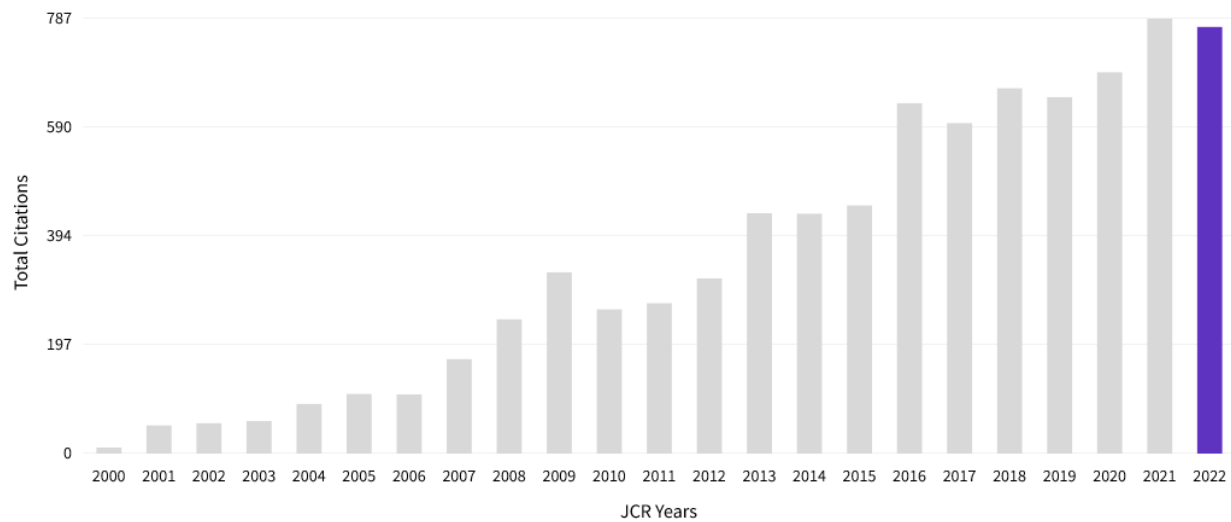
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



Total Citations

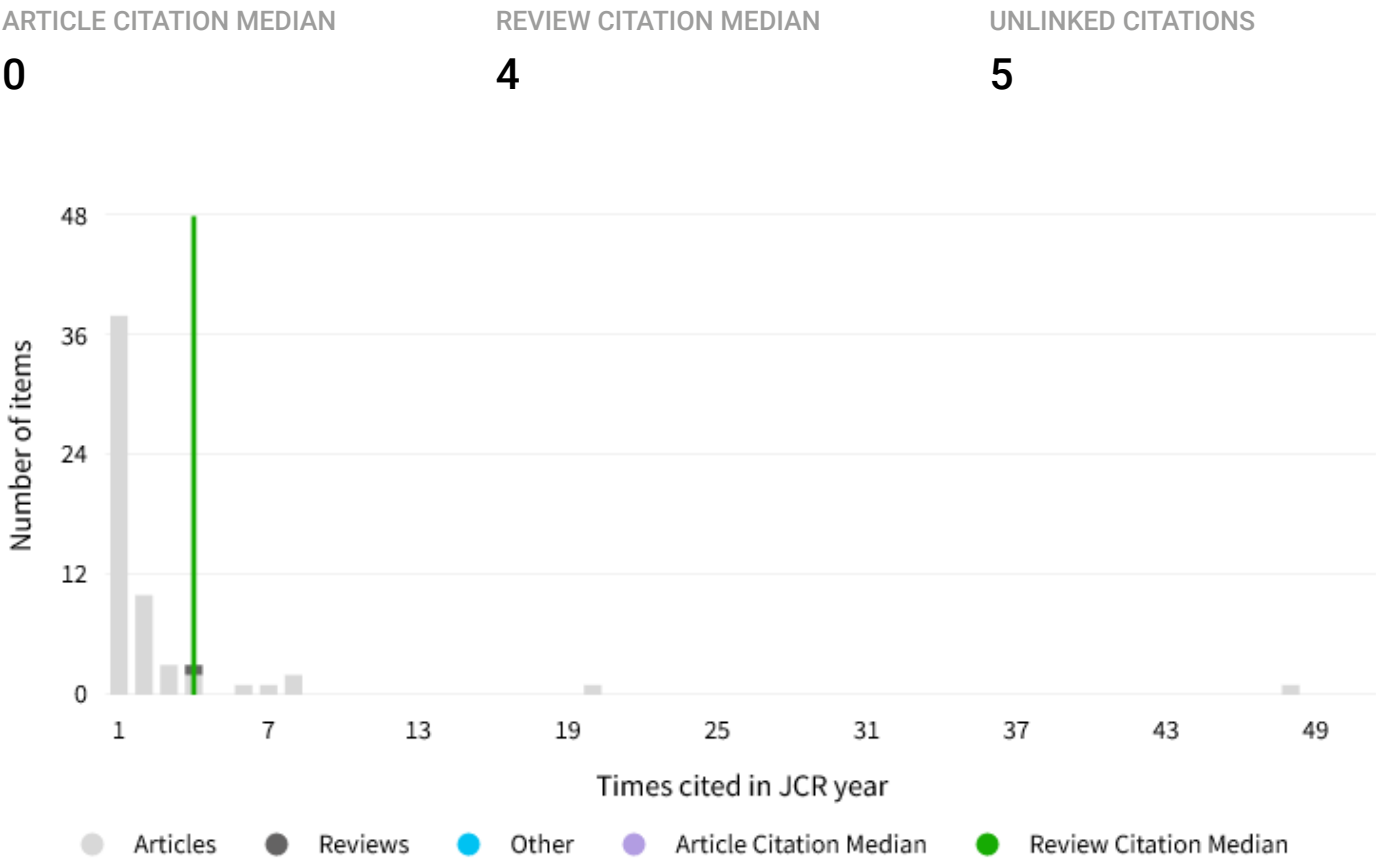
772

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](#)



0 times cited

ARTICLES	REVIEWS	OTHER
108	0	1

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

220

% OF CITABLE OA

0.00%

CITABLE

GOLD OPEN ACCESS

0 / 0.00%

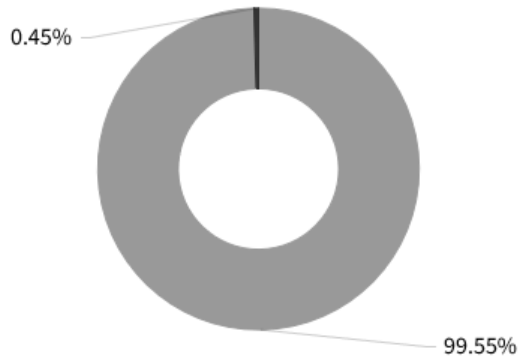
SUBSCRIPTION OR BRONZE

220 / 99.55%

NON-CITABLE

OTHER (NON-CITABLE ITEMS)

1 / 0.45%



Citations*

TOTAL CITABLE

187

% OF CITABLE OA

0.00%

CITABLE

GOLD OPEN ACCESS

0 / 0.00%

SUBSCRIPTION OR BRONZE

187 / 95.41%

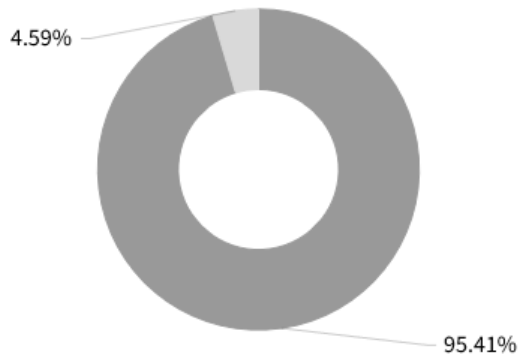
NON-CITABLE

OTHER (NON-CITABLE ITEMS)

0 / 0.00%

UNLINKED CITATIONS

9 / 4.59%



* 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. Beginning in 2023, ranks are calculated by category. [Learn more](#)

CATEGORY

COMPUTER SCIENCE, INFORMATION SYSTEMS

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE
2023	229/249	Q4	8.2

Rank by JIF before 2023 for COMPUTER SCIENCE, INFORMATION SYSTEMS

146/158

EDITION

Science Citation Index Expanded (SCIE)

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE
2022	146/158	Q4	7.9
2021	147/164	Q4	10.67
2020	158/161	Q4	2.17
2019	152/156	Q4	2.88
2018	150/155	Q4	3.55
2017	145/148	Q4	2.36
2016	141/146	Q4	3.77
2015	134/144	Q4	7.29
2014	129/139	Q4	7.55
2013	128/135	Q4	5.56
2012	121/132	Q4	8.71
2011	132/135	Q4	2.59
2010	122/128	Q4	5.08
2009	111/116	Q4	4.74
2008	97/99	Q4	2.53
2007	89/92	Q4	3.80
2006	83/87	Q4	5.17
2005	77/83	Q4	7.83
2004	74/78	Q4	5.77
2003	75/78	Q4	4.49
2002	68/77	Q4	12.34
2001	67/73	Q4	8.90
2000	63/67	Q4	6.72

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

COMPUTER SCIENCE, INFORMATION SYSTEMS

211/251

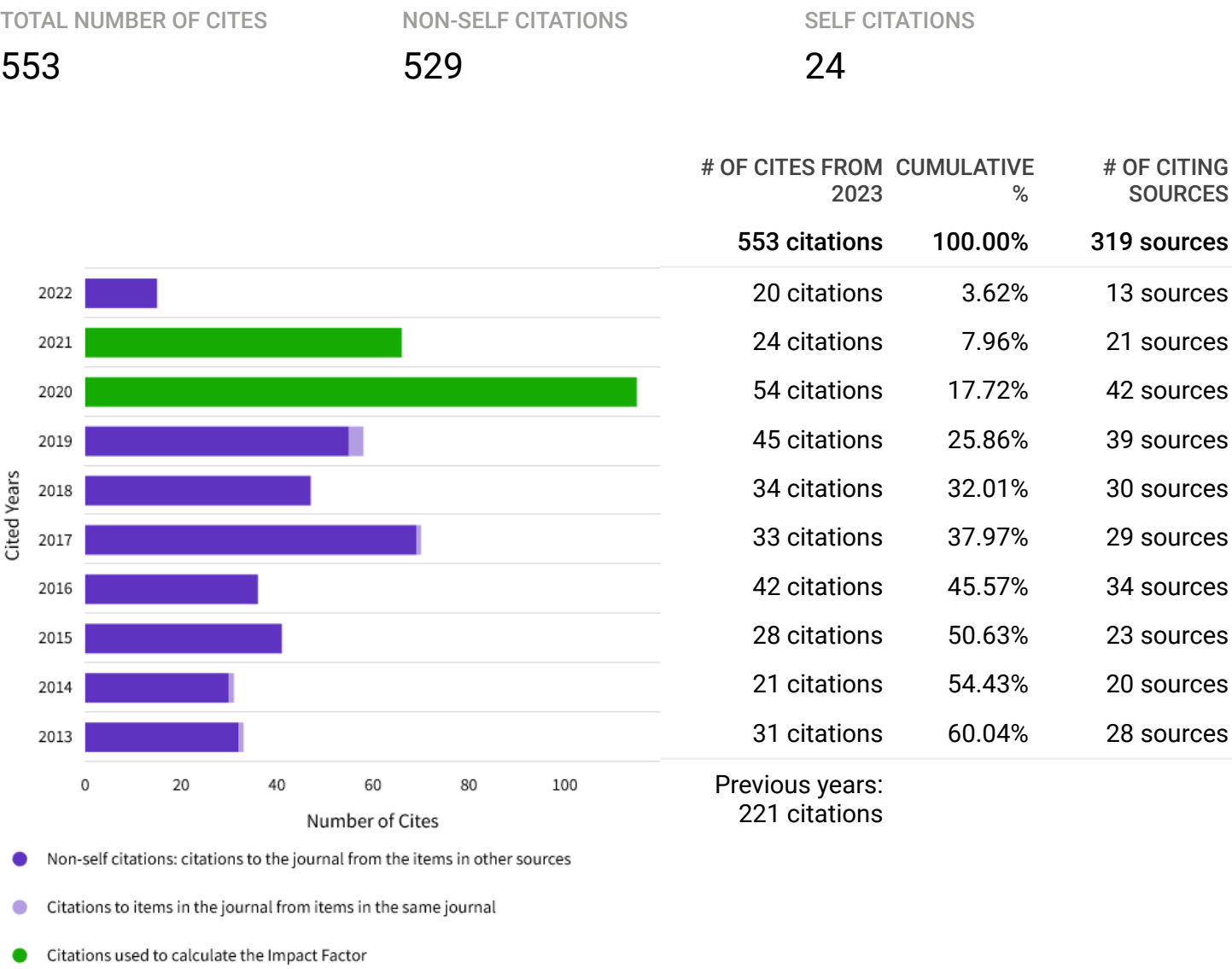
JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2023	221/251	Q4	12.15	<div><div></div></div>
2022	211/251	Q4	16.14	<div><div></div></div>
2021	212/246	Q4	14.02	<div><div></div></div>
2020	205/223	Q4	8.30	<div><div></div></div>
2019	198/223	Q4	11.43	<div><div></div></div>
2018	196/220	Q4	11.14	<div><div></div></div>
2017	185/216	Q4	14.58	<div><div></div></div>

Citation network

Cited Half-life

7.9 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.



Previous years:
221 citations

● 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

JOURNAL OF INFORMATION SCIENCE AND ENGINEERING

	SOURCE NAME	COUNT
	All Others	245
1	IEEE Access	34
2	JOURNAL OF INFORMATION SCIENCE AND ENGINEERING	24
3	Applied Sciences-Basel	14
4	JOURNAL OF SUPERCOMPUTING	12
5	Electronics	11
6	SENSORS	11
7	Mathematics	10
8	MULTIMEDIA TOOLS AND APPLICATIONS	10
9	Remote Sensing	8
10	CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE	6
11	SOFT COMPUTING	6
12	ACM COMPUTING SURVEYS	5
13	APPLIED INTELLIGENCE	5
14	EXPERT SYSTEMS WITH APPLICATIONS	5
15	IEEE SENSORS JOURNAL	5
16	International Journal of Advanced Computer Science and Applications	5
17	Symmetry-Basel	5
18	CMC-Computers Materials & Continua	4
19	CMES-COMPUTER MODELING IN ENGINEERING & SCIENCES	4
20	ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING	3

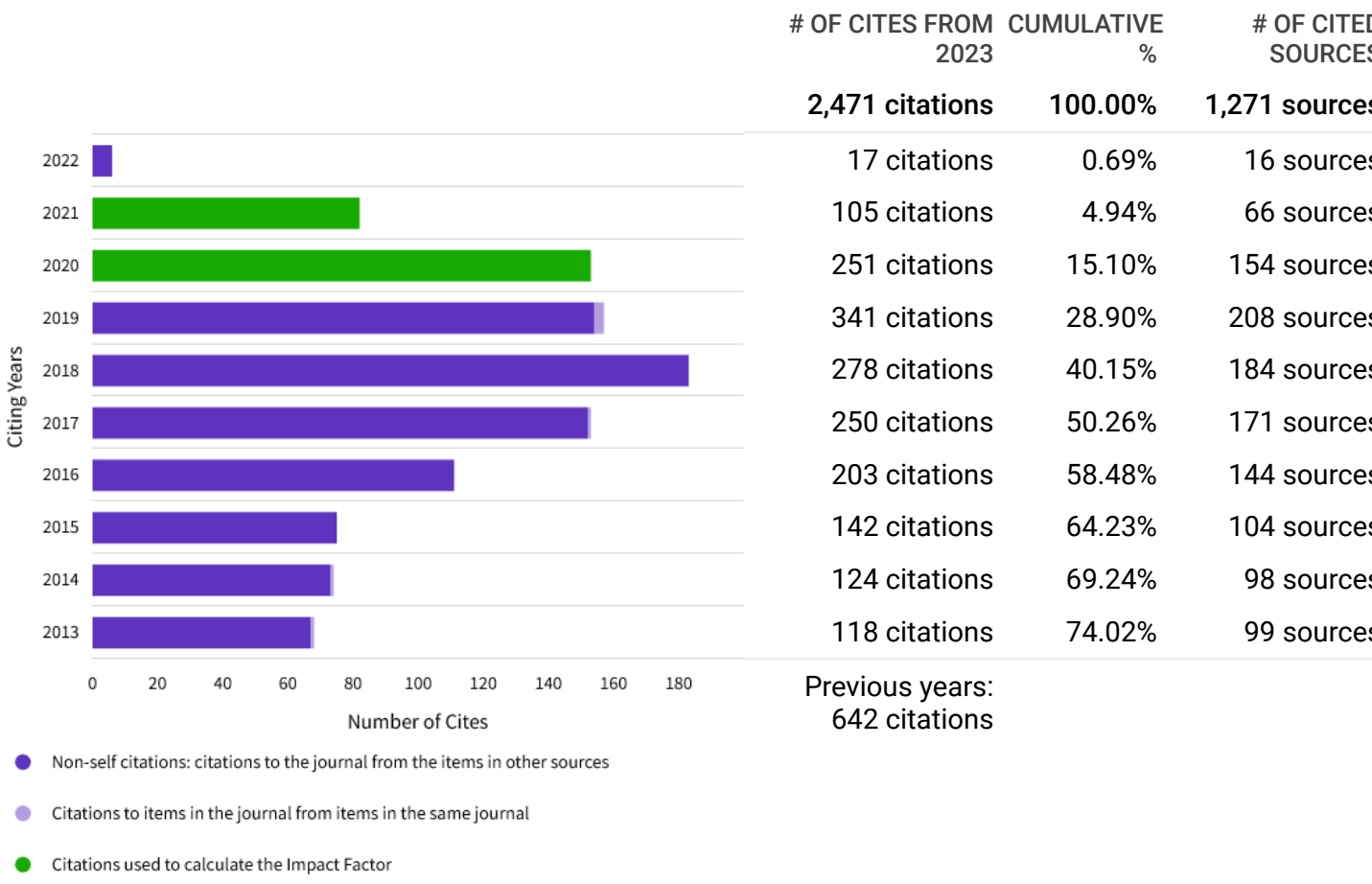
Showing 1 - 20 rows of 74 total (use export in the relevant section to download the full table)

Citing Half-life

6.0 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	NON-SELF CITATIONS	SELF CITATIONS
2,471	2,447	24



Cited titles in all years

JOURNAL OF INFORMATION SCIENCE AND ENGINEERING

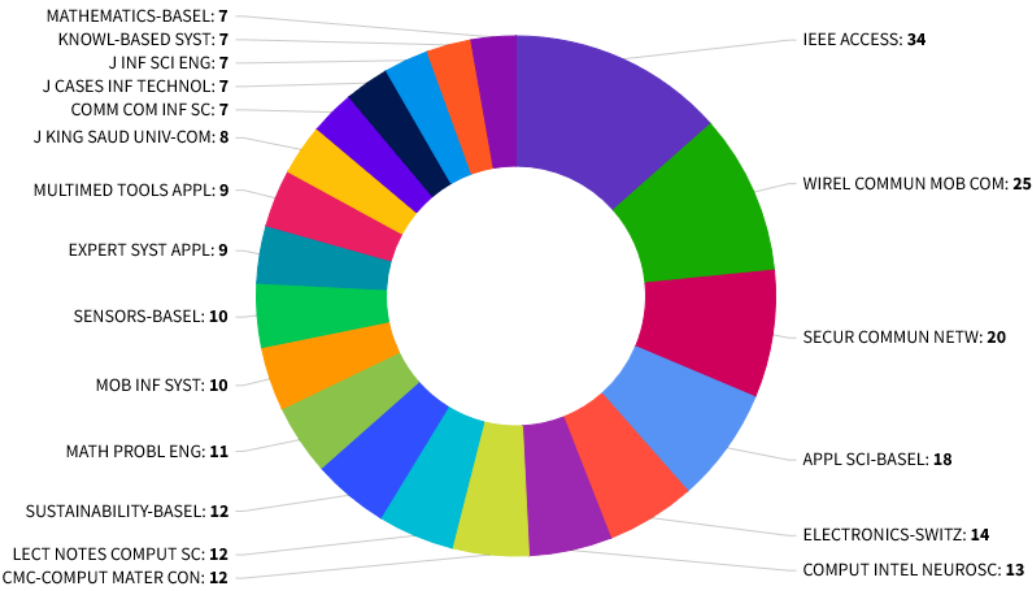
	SOURCE NAME	COUNT
	All Others	975
1	PREPRINT	69
2	IEEE Access	64
3	LECT NOTES COMPUT SC	59
4	PROC CVPR IEEE	57
5	KNOWLEDGE-BASED SYSTEMS	45
6	IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY	33
7	JOURNAL OF INFORMATION SCIENCE AND ENGINEERING	24
8	SENSORS	23
9	IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS	21
10	ADV NEURAL INFORM PR	20
11	IEEE I CONF COMP VIS	18
12	AAAI C ARTIF INTE	17
13	IEEE TRANSACTIONS ON IMAGE PROCESSING	17
14	IEEE Internet of Things Journal	16
15	IEEE TRANSACTIONS ON PARALLEL AND DISTRIBUTED SYSTEMS	16
16	IEEE TRANSACTIONS ON COMMUNICATIONS	15
17	APPLIED SOFT COMPUTING	14
18	Future Generation Computer Systems-The International Journal of eScience	14
19	J AMB INTEL HUM COMP	14
20	IEEE Transactions on Neural Networks and Learning Systems	13

Showing 1 - 20 rows of 296 total (use export in the relevant section to download the full table)

Journal Citation Relationships

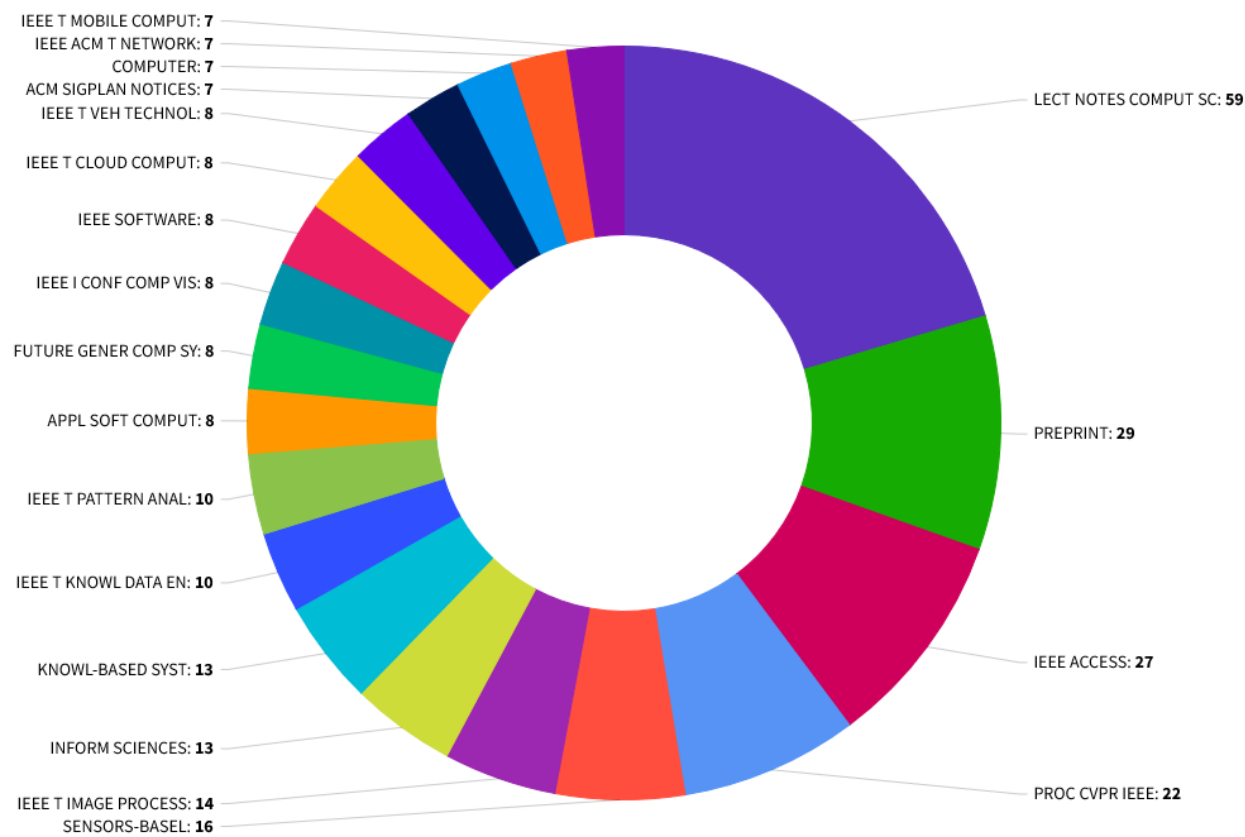
Cited Data

Top 20 journals citing J INF SCI ENG by number of citations



Citing Data

Top 20 journals cited by J INF SCI ENG 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](#)

52 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2022 (A)	51	1	52	0	100%
NUMBER OF REFERENCES (B)	1,592	34	1,626	0	100%
RATIO (B/A)	31.2	34.0	31.3	N/A	

Average JIF Percentile

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
7.9	Science Citation Index Expanded
	COMPUTER SCIENCE, INFORMATION SYSTEMS
	7.9

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	NATIONAL CHENG KUNG UNIVERSITY	13	<div></div>
2	NATIONAL YANG MING CHIAO TUNG UNIVERSITY	10	<div></div>
-	XIDIAN UNIVERSITY	10	<div></div>
4	EGYPTIAN KNOWLEDGE BANK (EKB)	9	<div></div>
5	NATIONAL TAIPEI UNIVERSITY OF TECHNOLOGY	8	<div></div>
6	FENG CHIA UNIVERSITY	7	<div></div>
-	NATIONAL INSTITUTE OF TECHNOLOGY (NIT SYSTEM)	7	<div></div>
-	NATIONAL TAIWAN UNIVERSITY	7	<div></div>

Showing 1 - 8 rows of 248 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	TAIWAN	74	<div></div>
2	CHINA MAINLAND	45	<div></div>
3	INDIA	32	<div></div>
4	SAUDI ARABIA	15	<div></div>
5	TURKEY	10	<div></div>
6	EGYPT	9	<div></div>
-	IRAQ	9	<div></div>
-	MALAYSIA	9	<div></div>

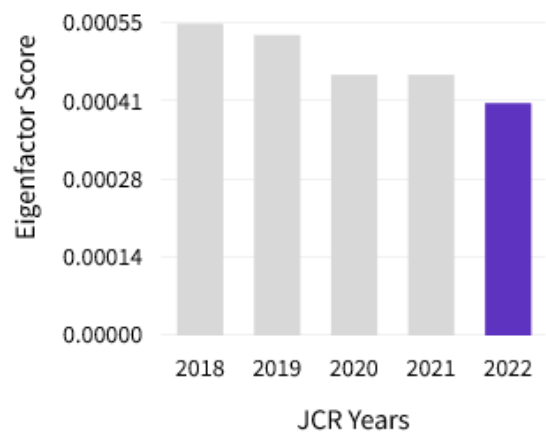
Showing 1 - 8 rows of 39 total (use export in the relevant section to download the full table)

Additional metrics

Eigenfactor score

0.00041

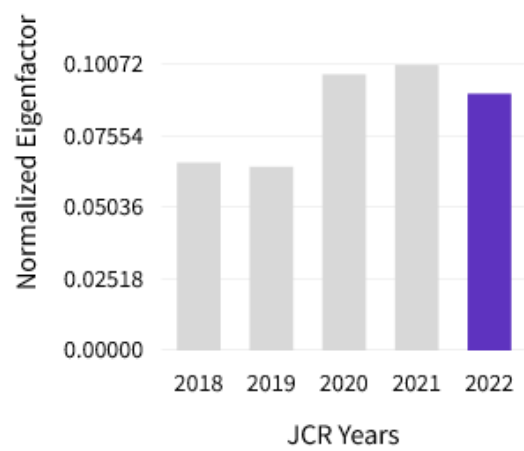
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



Normalized Eigenfactor

0.09064

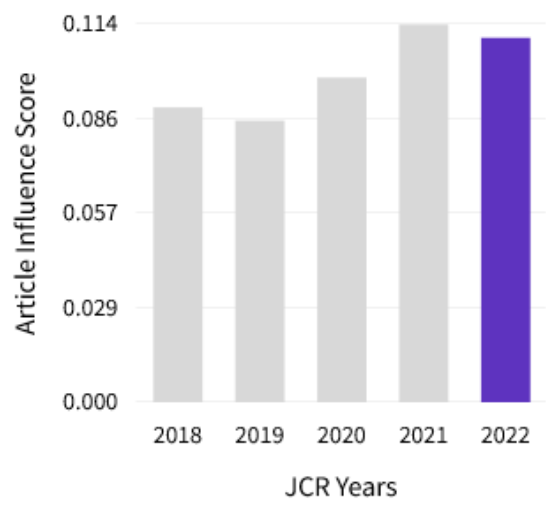
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.110

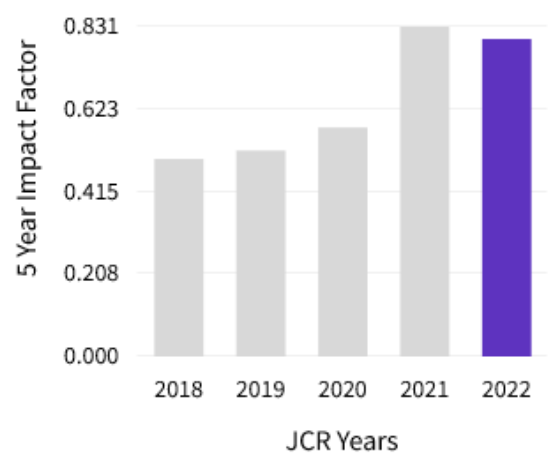
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.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



5 year Impact Factor

0.8

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

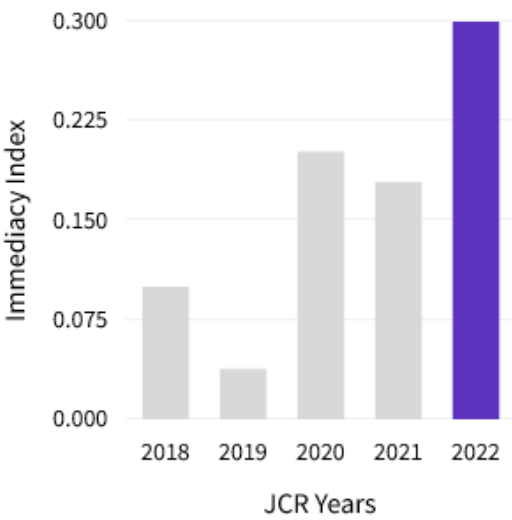
Citations in 2022 to items published in [2017-2021] (356)				
<hr/>				
Number of citable items in [2017-2021] (429)	=	$\frac{356}{429}$	=	0.8

Immediacy Index

0.3

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]				
			15	
<hr/>		=	<hr/>	= 0.3
Number of items published in [2022]			52	