

JCR Year
2023

International Journal on Semantic Web and Information Systems

ISSN

1552-6283

EISSN

1552-6291

JCR ABBREVIATION

INT J SEMANT WEB INF

ISO ABBREVIATION

Int. J. Semant. Web Inf. Syst.

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

COMPUTER SCIENCE,
ARTIFICIAL
INTELLIGENCECOMPUTER SCIENCE,
INFORMATION
SYSTEMS

LANGUAGES

English

REGION

USA

1ST ELECTRONIC JCR YEAR

2008

Publisher information

PUBLISHER

IGI GLOBAL

ADDRESS

701 E
CHOCOLATE
AVE, STE 200,
HERSHEY, PA
17033-1240

PUBLICATION FREQUENCY

1 issue/year

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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
FACTORJOURNAL IMPACT FACTOR WITHOUT SELF
CITATIONSJournal Impact Factor contributing
items

Expo. 16



4.1

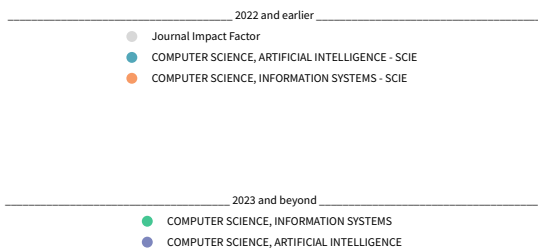
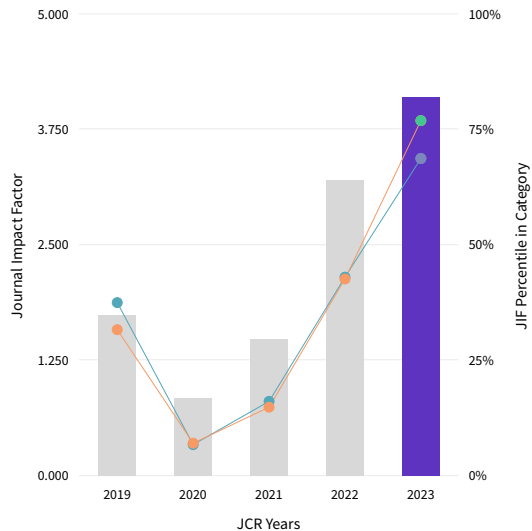
3.1

[View calculation](#)

[View calculation](#)

Journal Impact Factor Trend 2023

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Journal Citation Indicator (JCI)

[Export](#)

1.04

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

Citable items (77)

Citing Sources (81)

TITLE	CITATION COUNT
Phishing Website Detection With Semantic Features Based on Machi...	30
Distributed Denial-of-Service (DDoS) Attacks and Defense Mechanism:	Export page as: PDF
False Alert Detection Based on Deep Learning and Machine Learning	By exporting the selected data, you agree to the data usage policy set forth in the Terms of Use
Mc-DNN: Fake News Detection Using Multi-Channel Deep Neural Networks	
Adaptive Ontology-Based IoT Resource Provisioning in Computin...	13
Intrusion Detection Using Normalized Mutual Information Feature Selecti...	13
Handling Data Scarcity Through Data Augmentation in Training of Deep...	11
Learning Disease Causality Knowledge From the Web of Health...	11
An Intrusion Detection System Based on Normalized Mutual Information...	10
Predictive Model Using a Machine Learning Approach for Enhancing t...	10

[View All in Web of Science](#)

Total Citations

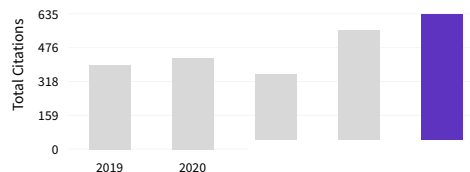
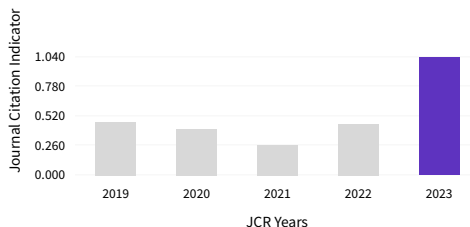
[Export](#)

635

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.



journals. [Learn more](#)



[View all years](#)

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[View all years](#)

Citation distribution

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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

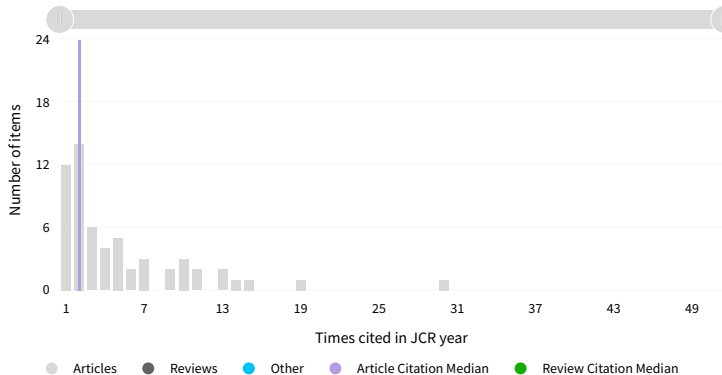
2

REVIEW CITATION MEDIAN

0

UNLINKED CITATIONS

10



TIMES CITED

0

ARTICLES

17

REVIEWS

1

OTHER

0

Open Access (OA)

[Export](#)

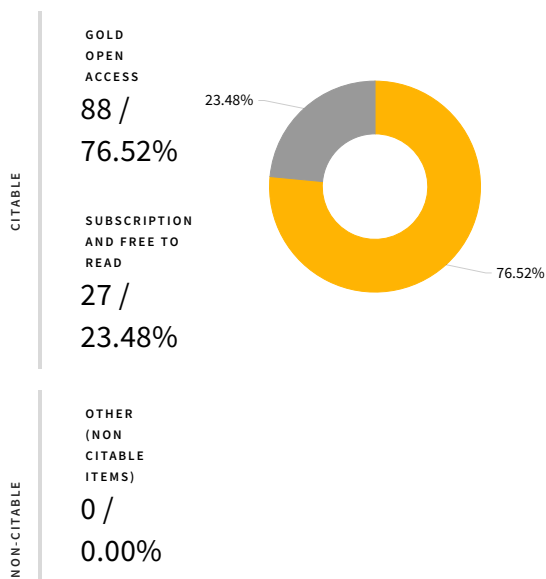
The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal. [Learn more](#)

Items

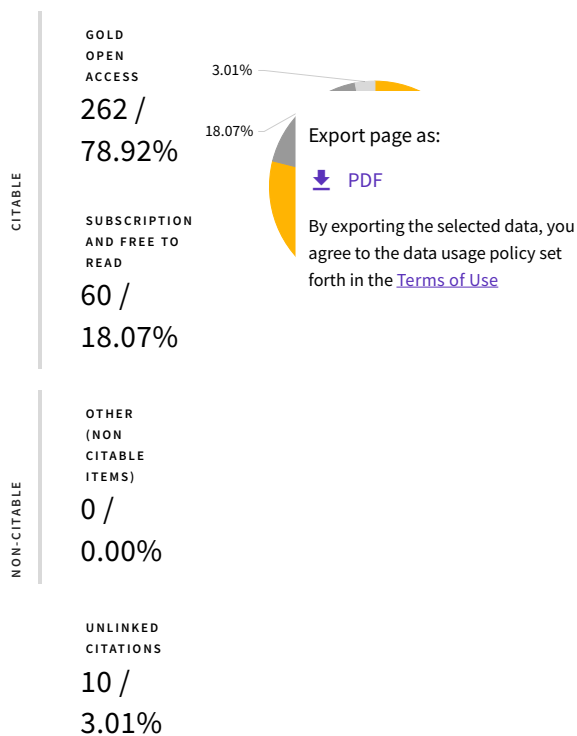
Citations*



TOTAL CITABLE 115
% OF CITABLE OA 76.52%



TOTAL CITABLE 322
% OF CITABLE OA 81.37%



*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

COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

62/197

JCR YEAR JIF RANK JIF QUARTILE JIF PERCENTILE

2023 62/197 Q2 68.8

Rank by JIF before 2023 for COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE

EDITION

Science Citation Index Expanded (SCIE)

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE
2022	83/145	Q3	43.1
2021	122/145	Q4	16.21
2020	130/139	Q4	6.83

CATEGORY

COMPUTER SCIENCE, INFORMATION SYSTEMS

58/250

JCR YEAR JIF RANK JIF QUARTILE JIF PERCENTILE

2023 58/250 Q1 77.0

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Rank by JIF before 2023 for COMPUTER SCIENCE, INFORMATION SYSTEMS

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EDITION

Science Citation Index Expanded (S

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JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE
2022	91/158	Q3	42.7
2021	140/164	Q4	14.94
2020	150/161	Q4	7.14

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, ARTIFICIAL INTELLIGENCE

51/198

JCR YEAR JCI RANK JCI QUARTILE JCI PERCENTILE

2023 51/198 Q2 74.49

2022 123/192 Q3 36.20

2021 158/190 Q4 17.11

2020 119/175 Q3 32.29

2019 109/174 Q3 37.64

2018 94/171 Q3 45.32

CATEGORY

COMPUTER SCIENCE, INFORMATION SYSTEMS

72/252

JCR YEAR JCI RANK JCI QUARTILE JCI PERCENTILE

2023 72/252 Q2 71.63

2022 159/251 Q3 36.85

2021 196/246 Q4 20.53

2020 146/223 Q3 34.75

2019 140/223 Q3 37.44

2018 130/220 Q3 41.14

Citation network



Cited Half-life

2.6 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

635

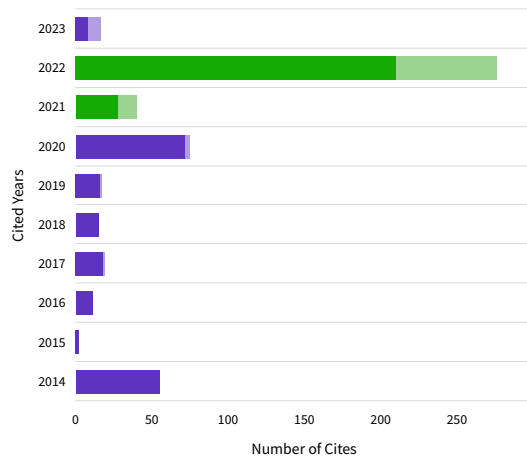
NON SELF-CITATIONS

544

SELF-CITATIONS

91

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

3.8 years

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

TOTAL NUMBER OF CITES

1,566

NON SELF-CITATIONS

1,475

SELF-CITATIONS

91

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Citing Half-life Data

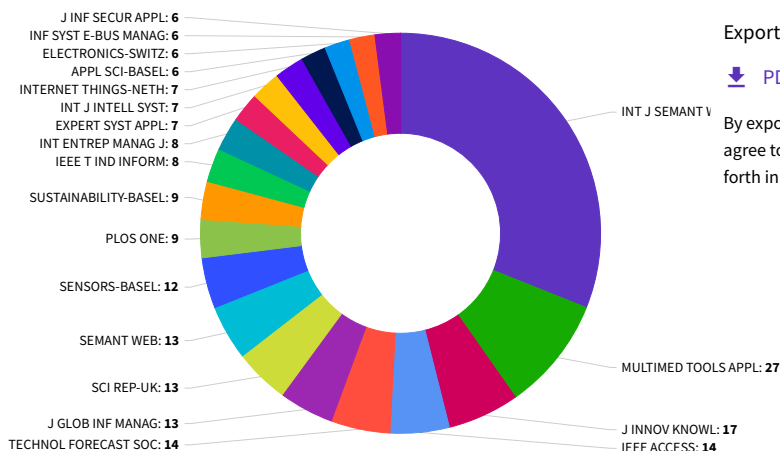
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CITED YEAR	# OF CITES FROM 2023	CUMULATIVE %	# OF CITING SOURCES
All years	635 citations	100.00%	223 sources
2023	16 citations	2.52%	9 sources
2022	276 citations	45.98%	73 sources
2021	40 citations	52.28%	23 sources
2020	75 citations	64.09%	54 sources
2019	17 citations	66.77%	15 sources
2018	15 citations	69.13%	14 sources
2017	19 citations	72.13%	19 sources
2016	11 citations	73.86%	10 sources
2015	2 citations	74.17%	2 sources
2014	55 citations	82.83%	38 sources
Older	109 citations		

Cited Data

Citing Data

Top 20 journals citing INT J SEMANT WEB INF by number of citations



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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](#)

38 total citable items

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	PE
NUMBER IN JCR YEAR 2023 (A)	36	2	38	0	100%
NUMBER OF REFERENCES (B)	1,444	122	1,566	0	100%
RATIO (B/A)	40.1	61.0	41.2	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	72.9
COMPUTER SCIENCE, INFORMATION SYSTEMS	77.0
COMPUTER SCIENCE, ARTIFICIAL INTELLIGENCE	68.8



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	ASIA UNIVERSITY TAIWAN	6
-	KING ABDULAZIZ UNIVERSITY	6
3	LEBANESE AMERICAN UNIVERSITY	5
-	NATIONAL INSTITUTE OF TECHNOLOGY (NIT SYSTEM)	5
-	UNIVERSITY OF PETROLEUM & ENERGY STUDIES (UPES)	5
-	ZHENGZHOU UNIVERSITY OF LIGHT INDUSTRY	5

Contributions by country/region

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

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RANK	COUNTRY / REGION	COUNT
1	CHINA MAINLAND	55
2	INDIA	25
3	SAUDI ARABIA	12
4	TAIWAN	8
5	USA	7
6	LEBANON	5
-	SOUTH KOREA	5
8	ENGLAND	4
-	PAKISTAN	4

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Additional metrics

Eigenfactor Score

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0.00057

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

[Export](#)

0.12628

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

[Export](#)

0.451

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](#)



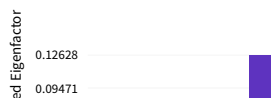
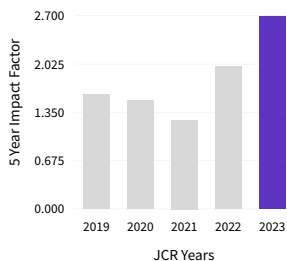


5 Year Impact Factor

2.7

[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](#)



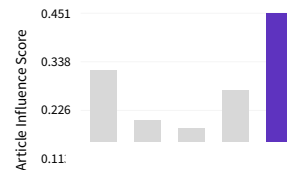
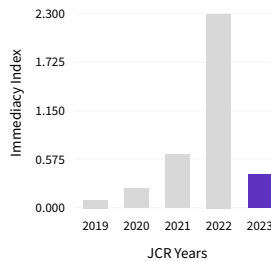
Immediacy Index

0.4

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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](#)



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