

Home > Journal profile

JCR YEAR

2021

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Applications of Mathematics

ISSN

0862-7940

EISSN

1572-9109

JCR ABBREVIATION

APPL MATH-CZECH

ISO ABBREVIATION

Appl. Mat.

Journal information

EDITION

Science Citation Index
Expanded (SCIE)

CATEGORY

MATHEMATICS, APPLIED
- SCIE

LANGUAGES

English

REGION

CZECH REPUBLIC

1ST ELECTRONIC JCR YEAR

2009

Publisher information

PUBLISHER

SPRINGER NATURE

ADDRESS

CAMPUS, 4
CRINAN ST,
LONDON N1
9XW, ENGLAND

PUBLICATION FREQUENCY

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](#)

2021 JOURNAL IMPACT
FACTOR

0.674

[View calculation](#)JOURNAL IMPACT FACTOR WITHOUT SELF
CITATIONS

0.628

[View calculation](#)

Journal Impact Factor contributing items

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Citable items (86)

Citing Sources (48)

TITLE

CITATION COUNT

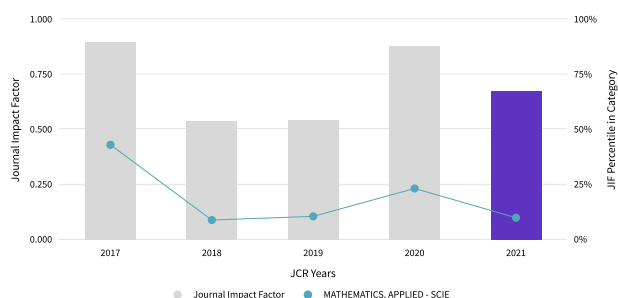
Inertial forward-backward splitting
method in Banach spaces with...

13

↓

Journal Impact Factor Trend 2021

↓ Export



[View all years](#)

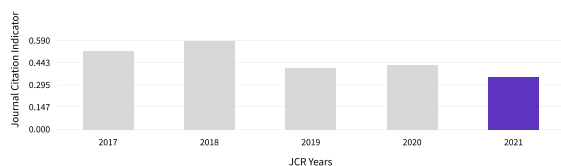
Fractional-order Bessel functions with various applications	4	▼
ON PARAMETER ESTIMATION IN AN IN VITRO COMPARTMENTAL MODEL FOR...	4	▼
Some remarks on the Navier-Stokes equations with regularity in one...	4	▼
DG Method for Pricing European Options under Merton Jump-Diffusion Model	3	▼
CHANGEPOINT ESTIMATION FOR DEPENDENT AND NON-STATIONARY...	2	▼
Solving second-order singularly perturbed ODE by the collocation...	2	▼
Periodic solutions of nonlinear differential systems by the method of...	2	▼
Theoretical foundation of the weighted laplace inpainting problem	2	▼
On adaptive BDDC for the flow in heterogeneous porous media	1	▼

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

0.35

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.

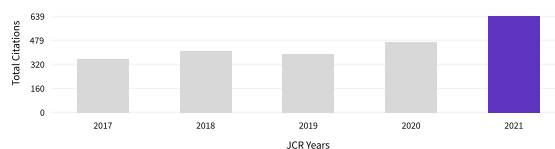
[Learn more](#)



Total Citations [Export](#)

639

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

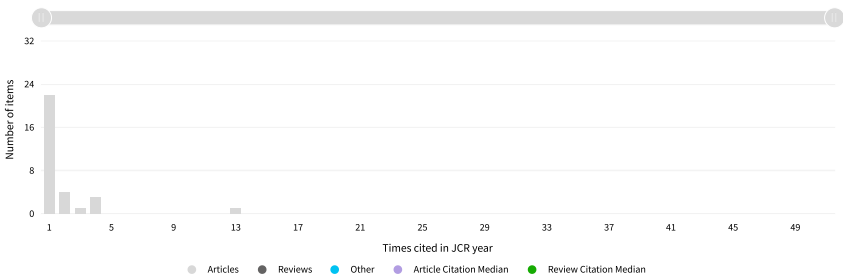
0

REVIEW CITATION
MEDIAN

N/A

UNLINKED CITATIONS

0



TIMES CITED

0

ARTICLES

55

REVIEWS

0

OTHER

5

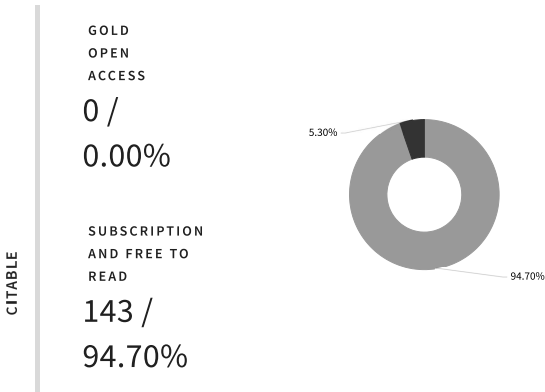
Open Access (OA)

[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. For example, in the 2020 JCR data, released in June 2021, the Open Access (OA) data show the publication model (Gold OA or subscription) of materials published in 2018, 2019 and 2020, and citations in 2020 to these items. This three-year set of published items is used to provide descriptive analysis of the content and community of the journal. [Learn more](#)

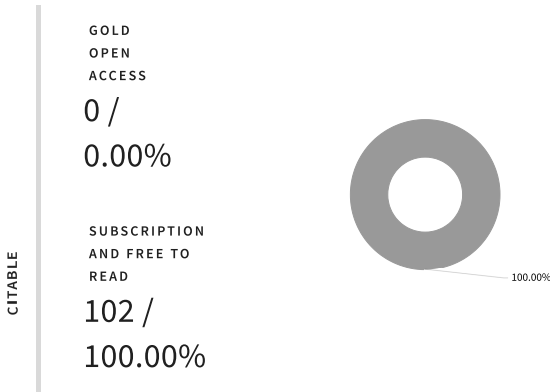
Items

TOTAL CITABLE 143
% OF CITABLE OA 0.00%



Citations*

TOTAL CITABLE 102
% OF CITABLE OA 0.00%



NON-
CITABLE

OTHER
(NON
CITABLE
ITEMS)

8 /
5.30%

NON-
CITABLE

OTHER
(NON
CITABLE
ITEMS)

0 /
0.00%

UNLINKED
CITATIONS

0 /
0.00%

*Citations in 2021 to items published in [2019 - 2021]

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

MATHEMATICS, APPLIED

241/267

JCR YEAR JIF RANK JIF QUARTILE JIF PERCENTILE

2021	241/267 Q4	9.93	<div></div>
2020	204/265 Q4	23.21	<div></div>
2019	234/261 Q4	10.54	<div></div>
2018	232/254 Q4	8.86	<div></div>
2017	144/252 Q3	43.06	<div></div>

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](#)

JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE	
2021	266/317	Q4	16.25	<div></div>
2020	233/309	Q4	24.76	<div></div>
2019	249/309	Q4	19.58	<div></div>
2018	204/308	Q3	33.93	<div></div>
2017	226/304	Q3	25.82	<div></div>

Citation network

Cited Half-life

12.4 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

639

NON SELF-CITATIONS

631

SELF-CITATIONS

8

Cited Half-life Data

Citing Half-life

13.7 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

1,571

NON SELF-CITATIONS

1,563

SELF-CITATIONS

8

Citing Half-life Data

Export

CITED YEAR	# OF CITES FROM 2021	CUMULATIVE %	# OF CITING SOURCES
All years	639 citations	100.00%	313 sources >
2021	44 citations	6.89%	13 sources >
2020	17 citations	9.55%	16 sources >
2019	41 citations	15.97%	34 sources >
2018	41 citations	22.39%	34 sources >
2017	27 citations	26.62%	24 sources >
2016	19 citations	29.59%	19 sources >



2015	45 citations	36.63%	36 sources	>
2014	18 citations	39.45%	15 sources	>
2013	26 citations	43.52%	23 sources	>
2012	11 citations	45.24%	11 sources	>
Older	350 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](#)

57 total citable items

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	PERCE
NUMBER IN JCR YEAR 2021 (A)	57	0	57	3	95%
NUMBER OF REFERENCES (B)	1,554	0	1,554	17	99%
RATIO (B/A)	27.3	N/A	27.3	5.7	

Average JIF Percentile

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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

9.93

EDITION

Science
Citation Index
Expanded

MATHEMATICS, APPLIED

9.93

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	CHARLES UNIVERSITY PRAGUE	17
-	CZECH ACADEMY OF SCIENCES	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	Czech Republic	41
2	CHINA MAINLAND	33

3	CZECH TECHNICAL UNIVERSITY PRAGUE	6
4	TECHNICAL UNIVERSITY LIBEREC	5
-	TECHNICAL UNIVERSITY OF OSTRAVA	5

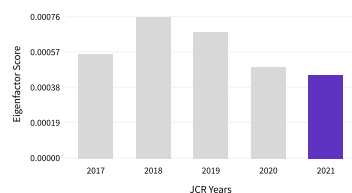
3	Iran	10
-	USA	10
5	India	9
6	Algeria	5
-	Italy	5
-	Japan	5

Additional metrics

Eigenfactor Score

0.00045

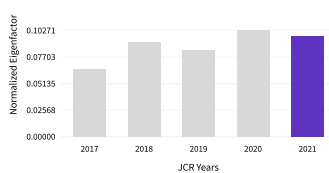
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



Normalized Eigenfactor

0.09751

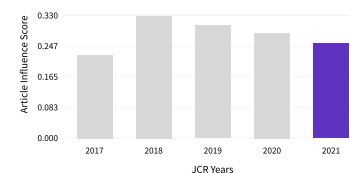
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.255

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

0.771

[View Calculation](#)

The 5-year Impact Factor is the average number of times articles from the journal published in the

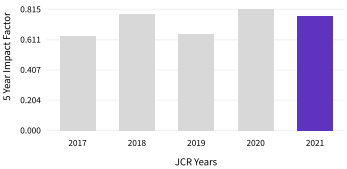
Immediacy Index

0.772

[View Calculation](#)

The Immediacy Index is the count of citations in the current year to the journal that reference content

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.



in this same year. Journals that have a consistently high Immediacy Index attract citations rapidly. [Learn more](#)

