JCR YEAR ⓘ

2020 ▾

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	REGION	1ST ELECTRONIC JCR YEAR
English	CZECH REPUBLIC	2009

Publisher information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
ACAD SCIENCES CZECH REPUBLIC, INST MATHEMATICS	ZITNA 25, PRAHA 1 115 67, CZECH REPUBLIC	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

2020 JOURNAL IMPACT FACTOR

0.881

View calculation

JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.866

View calculation

Journal Impact Factor contributing items   ⬇ Export
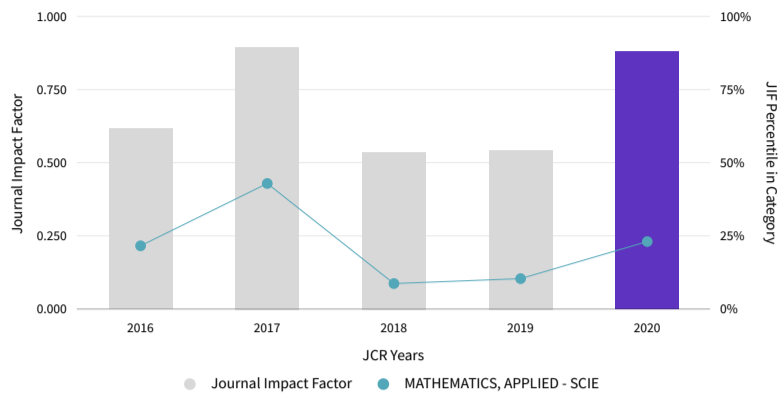
Citable items (67)   Citing Sources (44)

TITLE	CITATION COUNT
THE VIRTUAL ELEMENT METHOD FOR	9

Journal Impact Factor Trend 2020   ⬇ Export

EIGENVALUE PROBLEMS WITH ⌄

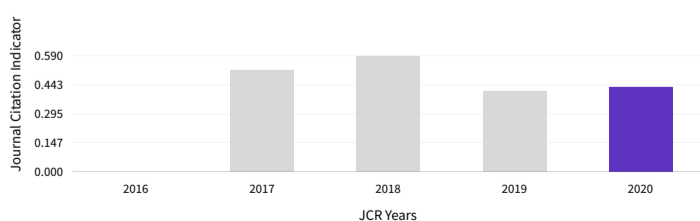|	
Inertial forward-backward splitting method in Banach spaces with	9 ⌄
Boubaker Hybrid Functions and their Application to Solve Fractional Optimal	5 ⌄
A Zero-Inflated Geometric INAR(1) Process with Random Coefficient	4 ⌄
INVERSE SCATTERING VIA NONLINEAR INTEGRAL EQUATIONS METHOD FOR A	4 ⌄
Fractional-order Bessel functions with various applications	3 ⌄
Some Stochastic Comparison Results for Series and Parallel Systems with	3 ⌄
Theoretical foundation of the weighted laplace inpainting problem	2 ⌄
MODEL OF SHELL METAL MOULD HEATING IN THE AUTOMOTIVE INDUSTRY	2 ⌄
Solving second-order singularly perturbed ODE by the collocation	2 ⌄

View in Web of Science

Journal Citation Indicator (JCI) ⓘ

⬇ Export

0.43

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
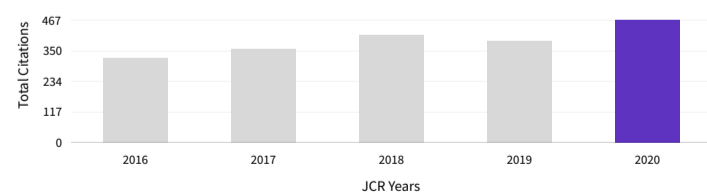

Total Citations

⬇ Export

467

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
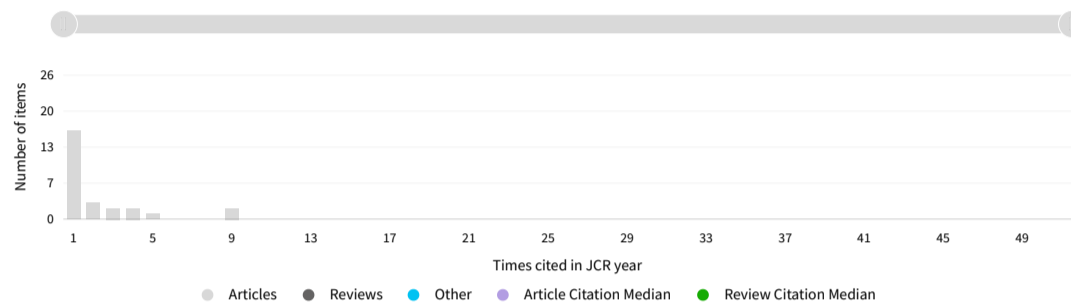
ARTICLE CITATION MEDIAN

0

REVIEW CITATION MEDIAN

n/a

UNLINKED CITATIONS

0

TIMES CITED

0

ARTICLES

41

REVIEWS

0

OTHER

6

Legend: Articles · Reviews · Other · Article Citation Median · Review Citation Median

x-axis: Times cited in JCR year
y-axis: Number of items
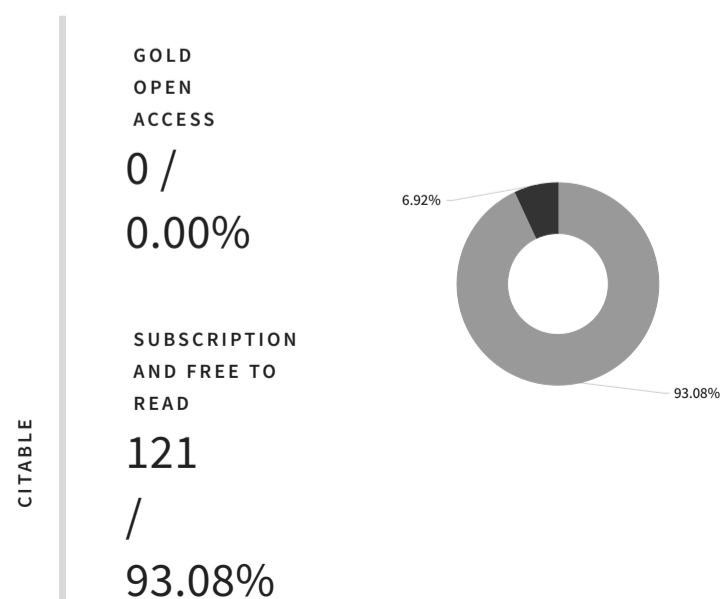
Open Access (OA) ⓘ

The data included in this tile summarizes the items published in the journal in the JCR data year and in the previous two years. 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
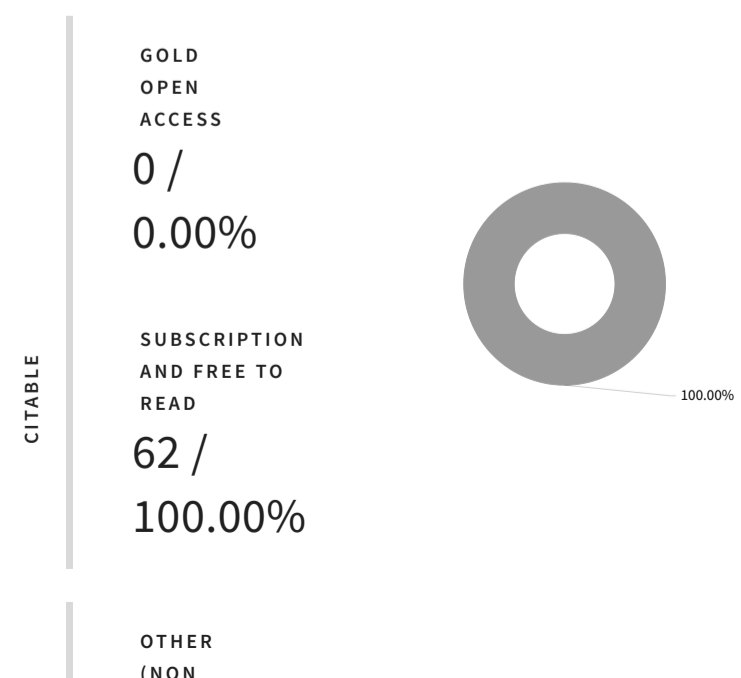
Items

TOTAL CITABLE
121

% OF CITABLE OA
0.00%

GOLD OPEN ACCESS
0 / 0.00%

SUBSCRIPTION AND FREE TO READ
121 / 93.08%

CITABLE

6.92%
93.08%

Citations*

TOTAL CITABLE
62

% OF CITABLE OA
0.00%

GOLD OPEN ACCESS
0 / 0.00%

SUBSCRIPTION AND FREE TO READ
62 / 100.00%

OTHER (NON

CITABLE

100.00%

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

204/265

JCR YEAR	JIF RANK	JIF QUARTILE	JIF PERCENTILE	
2020	204/265	Q4	23.21	
2019	234/261	Q4	10.54	
2018	232/254	Q4	8.86	
2017	144/252	Q3	43.06	
2016	200/255	Q4	21.76	

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

MATHEMATICS, APPLIED

232/308

JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE	
2020	232/308	Q3	24.84	
2019	233/261	Q4	10.92	
2018	187/252	Q3	25.99	
2017	210/250	Q4	16.20	

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

54 total citable items

	ARTICLES	REVIEWS	COMBINED(C)	OTHER DOCUMENT TYPES(O)	ⓘ
NUMBER IN JCR YEAR 2020 (A)	54	0	54	3	95⁹
NUMBER OF REFERENCES (B)	1,244	0	1,244	0	100
RATIO (B/A)	23.0	n/a	23.0	0.0	

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

23.208

EDITION
Science Citation Index Expanded

MATHEMATICS, APPLIED
23.208

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	20

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
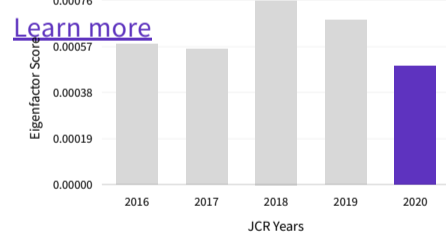
RANK	COUNTRY / REGION	COUNT
1	Czech Republic	47

?

-	CZECH ACADEMY OF SCIENCES	20		2	CHINA MAINLAND	26
3	CZECH TECHNICAL UNIVERSITY PRAGUE	8		3	Iran	9
4	TECHNICAL UNIVERSITY LIBEREC	6		-	USA	9
5	TECHNICAL UNIVERSITY OF OSTRAVA	4		5	India	6
				-	Japan	6
				7	Italy	5
				8	Tunisia	4

Additional metrics
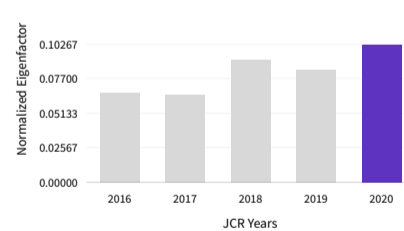
Eigenfactor Score

0.00049

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

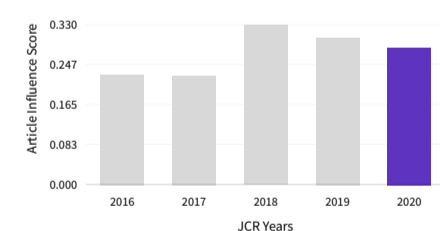## Normalized Eigenfactor

0.10267

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

0.283

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

Immediacy Index

0.056

View Calculation

The Immediacy Index is the count of citations in 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](#)