

2024 Journal Performance Data for: Formalized Mathematics

ISSN	EISSN
1898-9934	1898-9934
JCR ABBREVIATION	ISO ABBREVIATION
FORMALIZ MATH	Formaliz. Math.

Journal Information

EDITION		CATEGORY	
Emerging Sources Citation Index (ESCI)		MATHEMATICS	
LANGUAGES		REGION	1ST ELECTRONIC JCR YEAR
English		POLAND	2020

Publisher Information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
SCIENDO	BOGUMILA ZUGA 32A, WARSAW, MAZOVIA 01-811, POLAND	4 issues/year

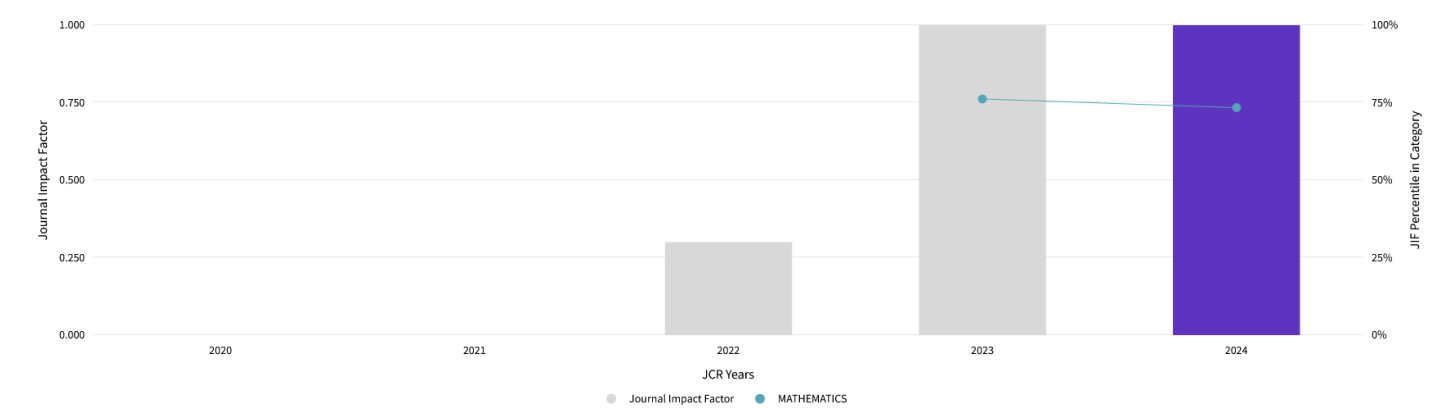
Journal's Performance

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](#)



Journal Impact Factor Trend 2024



Journal Impact Factor is calculated using the following metrics






Citations in 2024 to items published in 2022 (17) - 2023 (33)				
		50		
<hr/>				
	=		=	1.0
Number of citable items in 2022 (22) + 2023 (26)		48		

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

Citations in 2024 to items published in 2022 (17) + 2023 (33) - Self Citations in 2024 to items published in 2022 (15) + 2023 (32)				
		50 - 47		
<hr/>				
	=		=	0.1
Number of citable items in 2022 (22) + 2023 (26)		48		

Journal Impact Factor Contributing Items

Citable Items (48)

TITLE	CITATION COUNT
Elementary Number Theory Problems. Part IX Authors: Kornilowicz, Artur Volume: 31 Accession number: WOS:001254016300004 Document Type: Article	4 
Elementary Number Theory Problems. Part XII - Primes in Arithmetic Progression Authors: Grabowski, Adam Volume: 31 Accession number: WOS:001137276000004 Document Type: Article	3 
Integral of Continuous Functions of Two Variables Authors: Endou, Noboru;Shidama, Yasunari Volume: 31 Accession number: WOS:001137276000001 Document Type: Article	3 
Multidimensional Measure Space and Integration Authors: Endou, Noboru;Shidama, Yasunari Volume: 31 Accession number: WOS:001134012000004 Document Type: Article	3 
Normal Extensions Authors: Schwarzweller, Christoph Volume: 31 Accession number: WOS:001096802300001 Document Type: Article	3 

Showing 1-5 rows of 48 total (use export in the relevant section to download the full table)

Journal Impact Factor Contributing Items

Citing Sources (3)

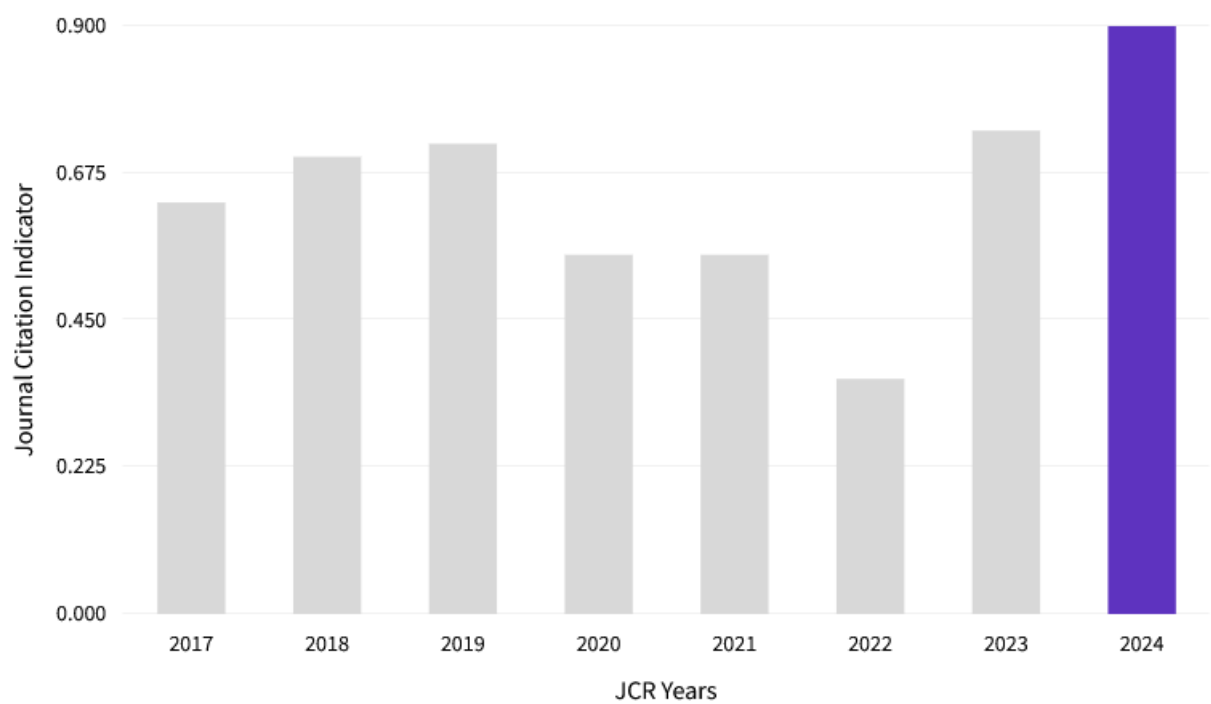
SOURCE NAME	COUNT
FORMALIZED MATHEMATICS	47
IEEE ACCESS	2
SYMMETRY-BASEL	1

Showing 1-3 rows of 3 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)

0.9

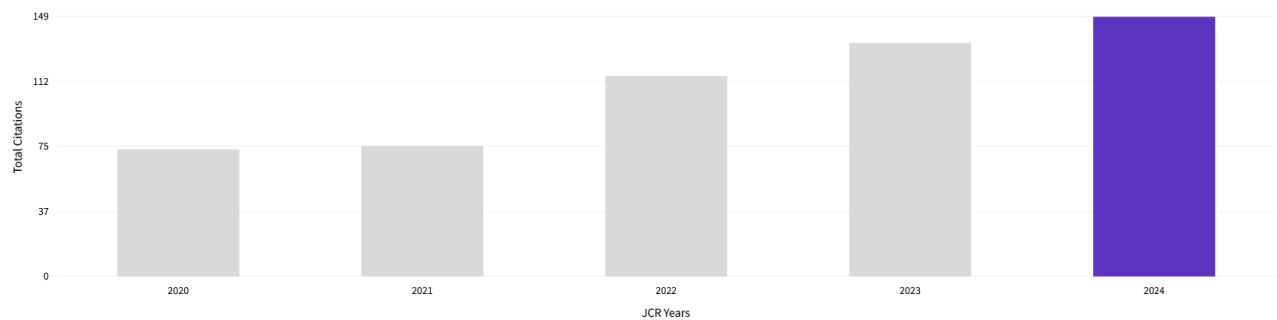
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



Total Citations

149

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

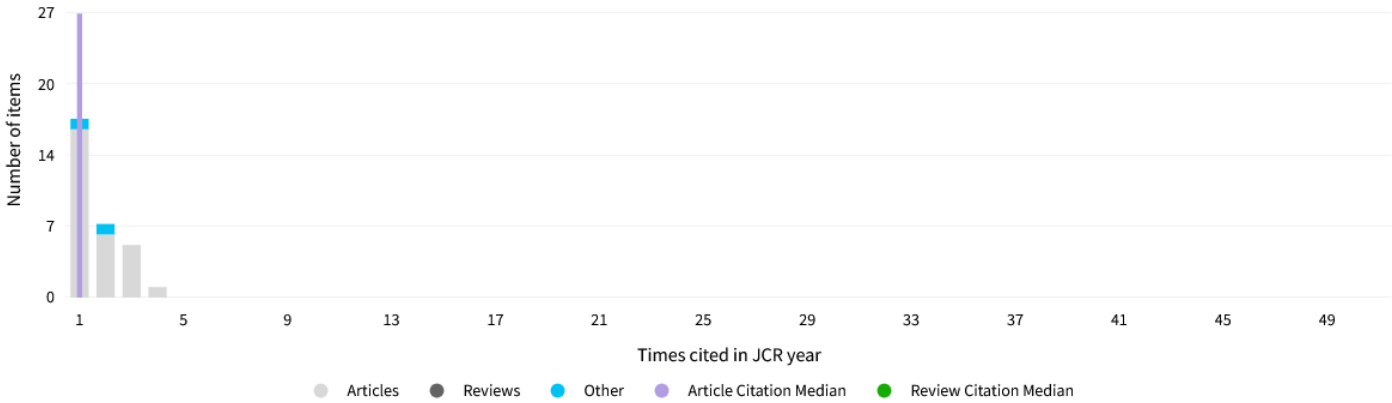
1

REVIEW CITATION MEDIAN

N/A

UNLINKED CITATIONS

0



0 times cited

ARTICLES

20

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

72

% OF CITABLE OA

100.00%

CITABLE

GOLD OPEN ACCESS

72 / 97.30%

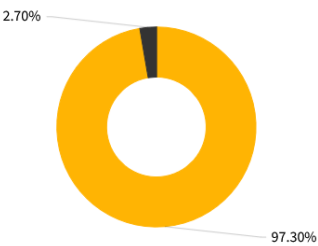
SUBSCRIPTION OR BRONZE

0 / 0.00%

NON-CITABLE

OTHER (NON-CITABLE ITEMS)

2 / 2.70%



Citations*

TOTAL CITABLE

51

% OF CITABLE OA

100.00%

CITABLE

GOLD OPEN ACCESS

51 / 94.44%

SUBSCRIPTION OR BRONZE

0 / 0.00%

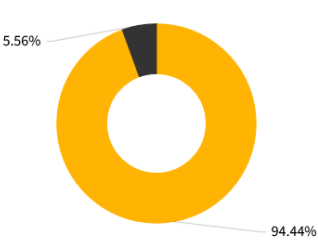
NON-CITABLE

OTHER (NON-CITABLE ITEMS)

3 / 5.56%

UNLINKED CITATIONS

0 / 0.00%



* Citations in 2024 to items published in (2022-2024)

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

MATHEMATICS

129/483

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2024	129/483	Q2	73.4	<div><div></div></div>
2023	117/490	Q1	76.2	<div><div></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](#)

CATEGORY

MATHEMATICS

112/487

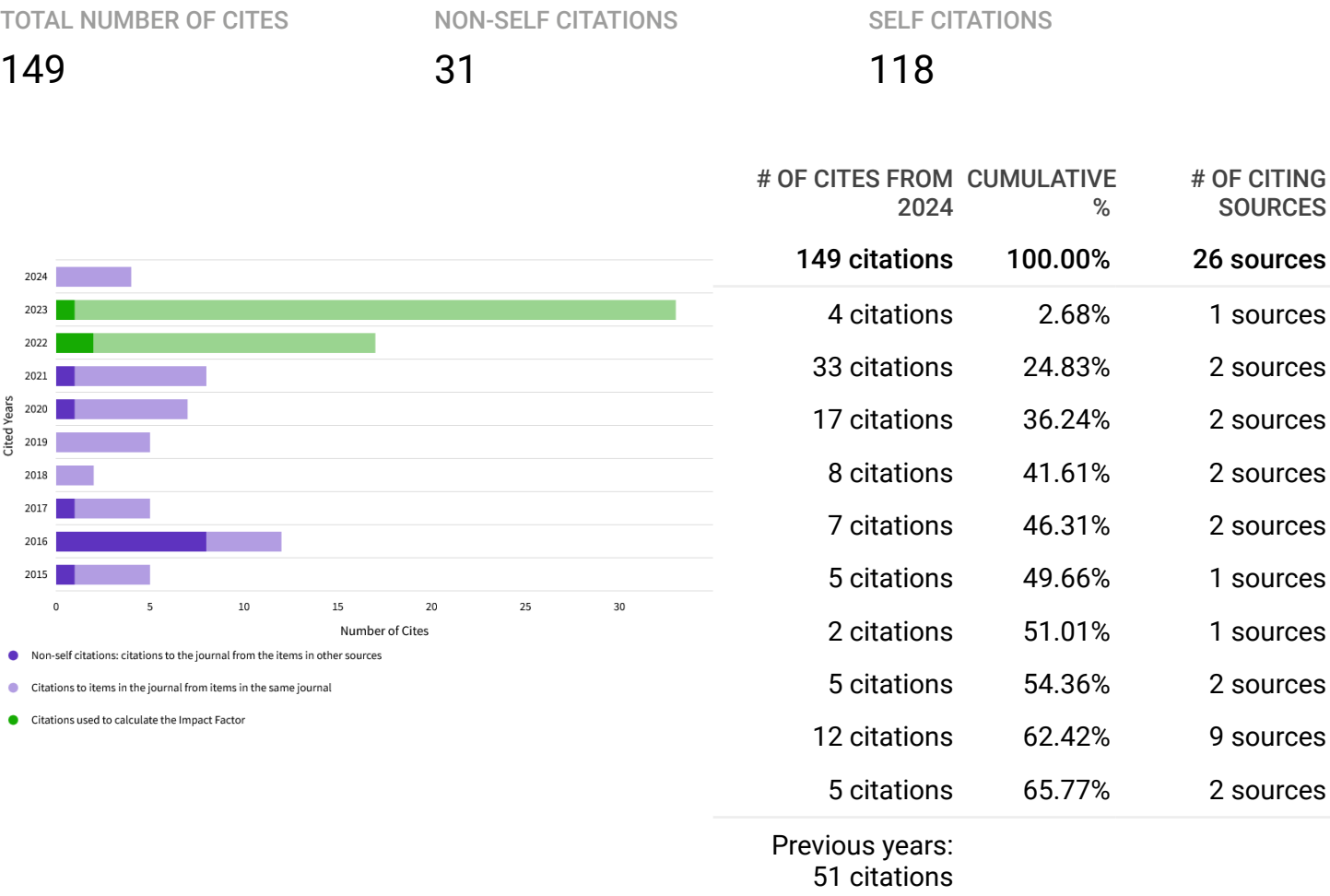
JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2024	112/487	Q1	77.10	<div><div></div></div>
2023	161/490	Q2	67.24	<div><div></div></div>
2022	402/485	Q4	17.22	<div><div></div></div>
2021	304/475	Q3	36.11	<div><div></div></div>
2020	306/471	Q3	35.14	<div><div></div></div>
2019	222/470	Q2	52.87	<div><div></div></div>
2018	232/469	Q2	50.64	<div><div></div></div>
2017	268/462	Q3	42.10	<div><div></div></div>

Citation network

Cited Half-life

6.2 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.



Citing titles in all years

Formalized Mathematics

	SOURCE NAME	COUNT
	All Others	1
1	Formalized Mathematics	118
2	Symmetry-Basel	4
3	Mathematics	3
4	IEEE Access	2
5	BRIEFINGS IN BIOINFORMATICS	1
6	Cogent Education	1
7	COMM COM INF SC	1
8	Complex & Intelligent Systems	1
9	COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING	1
10	COMPUTER GRAPHICS FORUM	1
11	ELECTRON P THEOR COM	1
12	EUROPEAN PHYSICAL JOURNAL C	1
13	Honam Mathematical Journal	1
14	IEEE Transactions on Transportation Electrification	1
15	INTERNATIONAL JOURNAL OF GENERAL SYSTEMS	1
16	IUCrJ	1
17	JOURNAL OF AUTOMATED REASONING	1
18	JOURNAL OF INTERDISCIPLINARY MATHEMATICS	1
19	JOURNAL OF MANUFACTURING SYSTEMS	1
20	JOURNAL OF RADIOLOGICAL PROTECTION	1

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

Citing Half-life

10.6 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

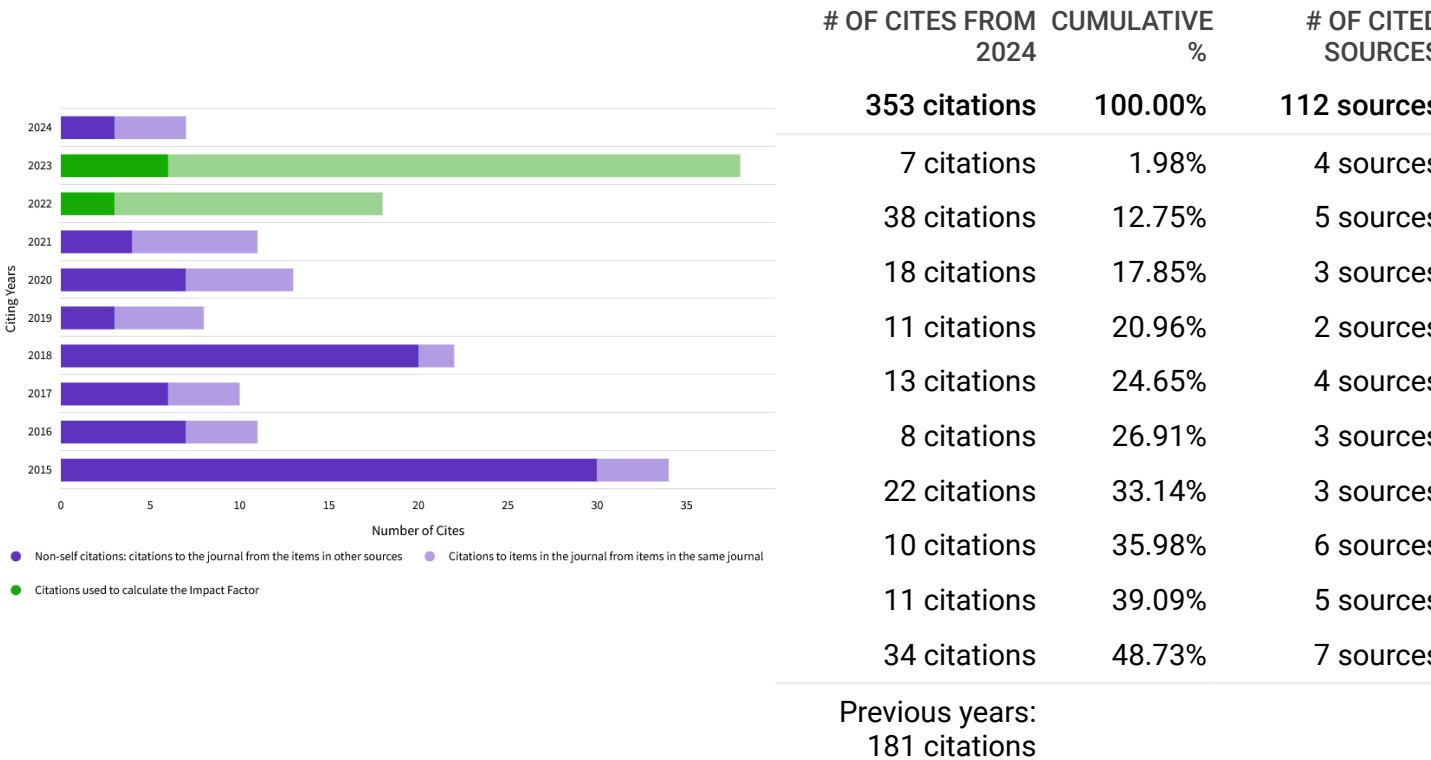
353

NON-SELF CITATIONS

235

SELF CITATIONS

118



Cited titles in all years

Formalized Mathematics

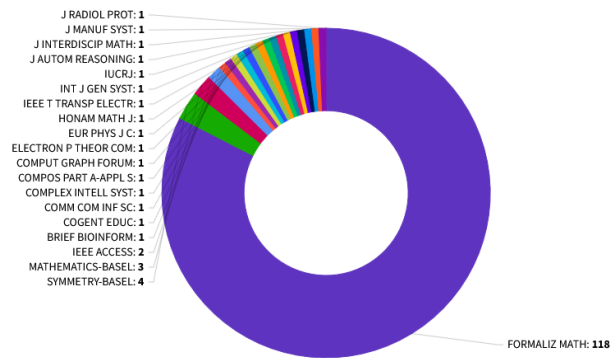
	SOURCE NAME	COUNT
	All Others	72
1	Formalized Mathematics	118
2	LECT NOTES ARTIF INT	37
3	JOURNAL OF AUTOMATED REASONING	24
4	LECT NOTES COMPUT SC	11
5	FUNCTIONAL ANALYSIS AND ITS APPLICATIONS	7
6	ACSIS-ANN COMPUT SCI	5
7	ALGEBRA	5
8	AMERICAN MATHEMATICAL MONTHLY	5
9	250 PROBLEMS ELEMENT	4
10	FORMALIZING 100 THEO	4
11	ISOPERIMETRIC INEQUA	4
12	CALCUL DIFFERENTIEL	3
13	COMPOSITIO MATHEMATICA	3
14	ELEMENTARY THEOR NU	3
15	THEORIE ENSEMBLES TO	3
16	ACTA ARITHMETICA	2
17	BULLETIN OF THE AMERICAN MATHEMATICAL SOCIETY	2
18	BASIC ALGEBRA	2
19	CALCULUS	2
20	COMPUT LANG SYST STR	2

Showing 1 - 20 rows of 40 total (use export in the relevant section to download the full table)

Journal Citation Relationships

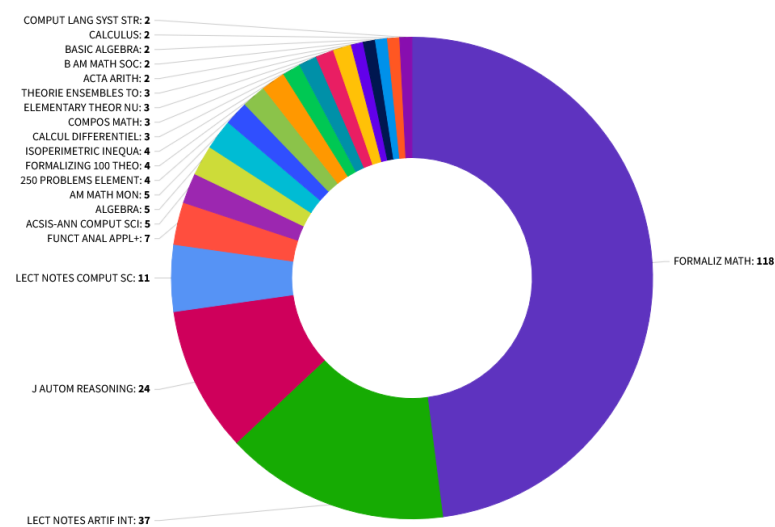
Cited Data

Top 20 journals citing FORMALIZ MATH by number of citations



Citing Data

Top 20 journals cited by FORMALIZ MATH 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](#)

24 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2024 (A)	24	0	24	0	100%
NUMBER OF REFERENCES (B)	353	0	353	0	100%
RATIO (B/A)	14.7	N/A	14.7	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	MATHEMATICS
73.4	73.4

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	UNIVERSITY OF BIALYSTOK	20	<div></div>
2	FAHRENHEIT UNIVERSITIES	9	<div></div>
3	KARUIZAWA HOTCH 244-1	8	<div></div>
4	YAMAGUCHI UNIVERSITY	7	<div></div>
5	GIFU COLL	5	<div></div>
6	CAFR MSA2P ASBL	3	<div></div>
-	NAGANO UNIV	3	<div></div>
-	SHINSHU UNIVERSITY	3	<div></div>

Showing 1 - 8 rows of 24 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	POLAND	34	<div></div>
2	JAPAN	29	<div></div>
3	BELGIUM	3	<div></div>
4	USA	1	<div></div>

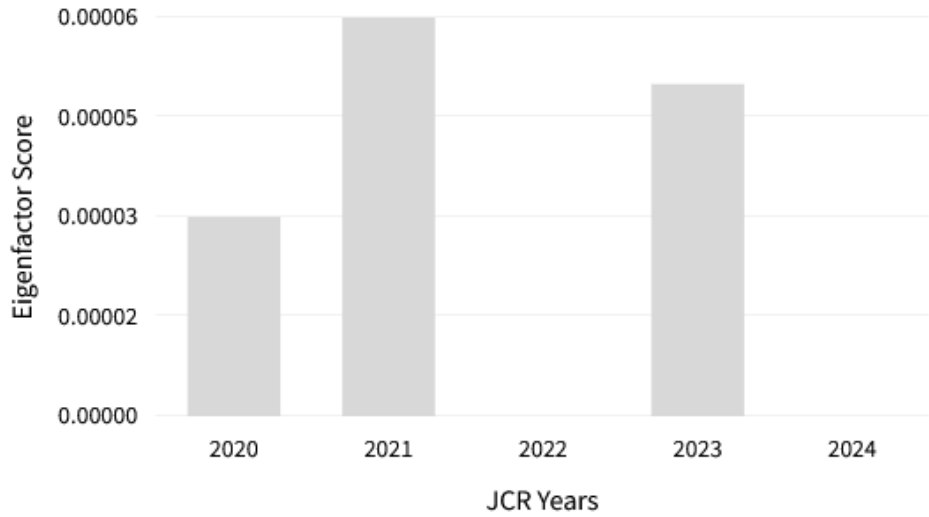
Showing 1 - 4 rows of 4 total (use export in the relevant section to download the full table)

Additional metrics

Eigenfactor score

0.00000

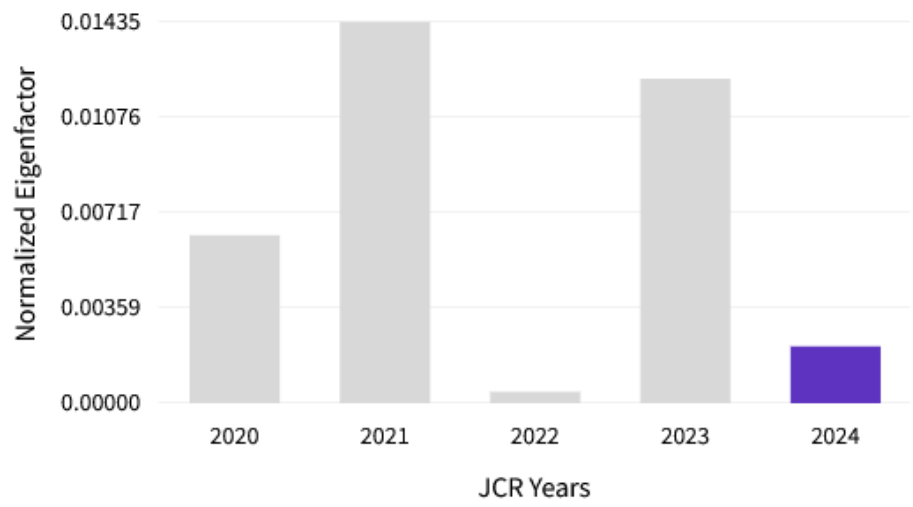
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



Normalized Eigenfactor

0.00214

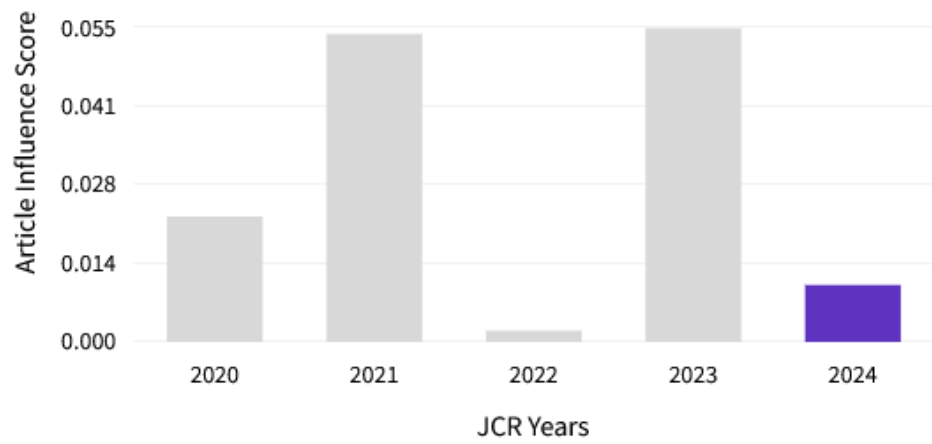
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.010

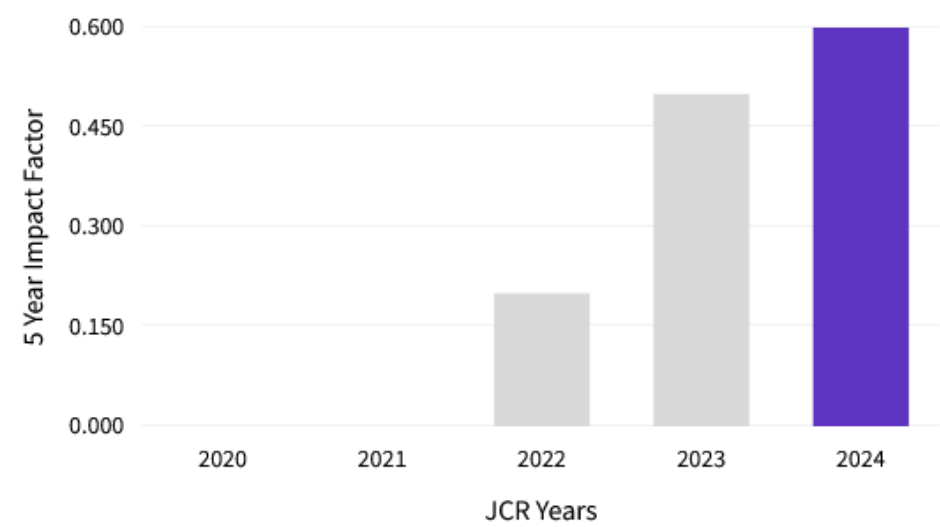
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.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



5 year Impact Factor

0.6

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

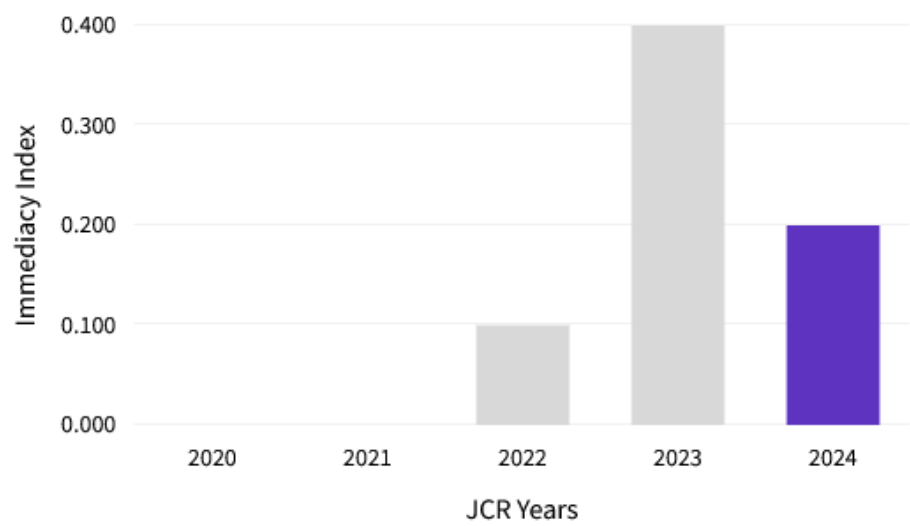
Citations in 2024 to items published in [2019-2023] (70)			
<hr/>	=	$\frac{70}{125}$	= 0.6
Number of citable items in [2019-2023] (125)			

Immediacy Index

0.2

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 2024 to items published in [2024]

=

4

24

=

0.2