2022 Journal Performance Data for: Pure and Applied Mathematics Quarterly

Journal Information

Publisher Information

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

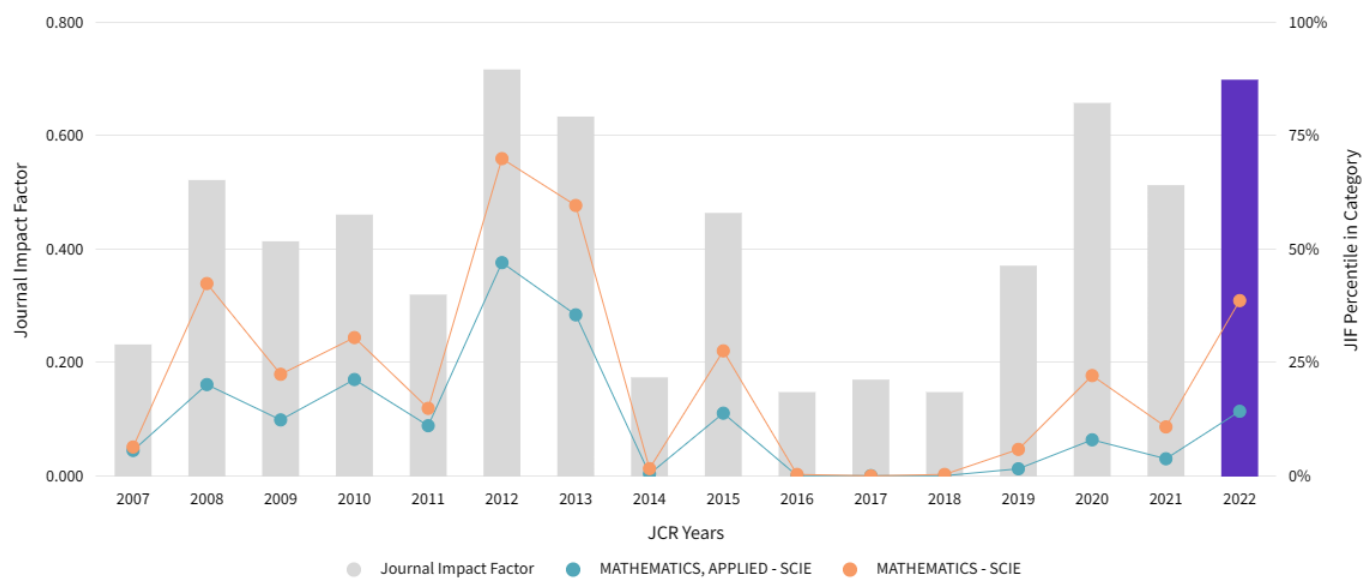**2022 JOURNAL IMPACT FACTOR**

0.7

2022 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.7

Journal Impact Factor Trend 2022

Journal Impact Factor is calculated using the following metrics

$$\frac{\text{Citations in 2022 to items published in 2020 (31) - 2021 (41)}}{\text{Number of citable items in 2020 (50) + 2021 (54)}} = \frac{72}{104} = 0.7$$

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

$$\frac{\text{Citations in 2022 to items published in 2020 (31) + 2021 (41) - Self Citations in 2022 to items published in 2020 (1) + 2021 (1)}}{\text{Number of citable items in 2020 (50) + 2021 (54)}} = \frac{72 - 2}{104} = 0.7$$

Journal Impact Factor Contributing Items

Citable Items (104)

TITLE	CITATION COUNT
A class of curvature type equations Authors: Guan, Pengfei;Zhang, Xiangwen Volume: 17 Accession number: WOS:000661551800003 Document Type: Article	9
The perverse filtration for the Hitchin fibration is locally constant Authors: de Cataldo, Mark Andrea A.;Maulik, Davesh Volume: 16 Accession number: WOS:000618658000005 Document Type: Article	5
Gromov-Witten invariants of the Riemann sphere Authors: Dubrovin, Boris;Yang, Di;Zagier, Don Volume: 16 Accession number: WOS:000546066300004 Document Type: Article	3
Products of random matrices: a dynamical point of view Authors: Tien-Cuong Dinh;Kaufmann, Lucas;Wu, Hao Volume: 17 Accession number: WOS:000661551800005 Document Type: Article	3
Associated varieties for real reductive groups Authors: Adams, Jeffrey;Vogan, David A., Jr. Volume: 17 Accession number: WOS:000735396600003 Document Type: Article	2

Showing 1-5 rows of 104 total (use export in the relevant section to download the full table)

# Journal Impact Factor Contributing Items

Citing Sources (51)

SOURCE NAME	COUNT
ADVANCES IN MATHEMATICS	5
SELECTA MATHEMATICA-NEW SERIES	4
DUKE MATHEMATICAL JOURNAL	3
INTERNATIONAL MATHEMATICS RESEARCH NOTICES	3
JOURNAL FUR DIE REINE UND ANGEWANDTE MATHEMATIK	3
JOURNAL OF FUNCTIONAL ANALYSIS	3
INVENTIONES MATHEMATICAE	2
JOURNAL OF GEOMETRIC ANALYSIS	2
JOURNAL OF GEOMETRY AND PHYSICS	2
LETTERS IN MATHEMATICAL PHYSICS	2
PURE AND APPLIED MATHEMATICS QUARTERLY	2
TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY	2
ACTA MATHEMATICA SCIENTIA	1
ALGEBRAIC GEOMETRY	1
ALGEBRAS AND REPRESENTATION THEORY	1
AMERICAN JOURNAL OF MATHEMATICS	1
ANALYSIS & PDE	1
ANNALS OF FUNCTIONAL ANALYSIS	1
ANNALS OF MATHEMATICS	1
CLASSICAL AND QUANTUM GRAVITY	1

Showing 1-20 rows of 51 total (use export in the relevant section to download the full table)

Journal Citation Indicator (JCI)

0.49

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
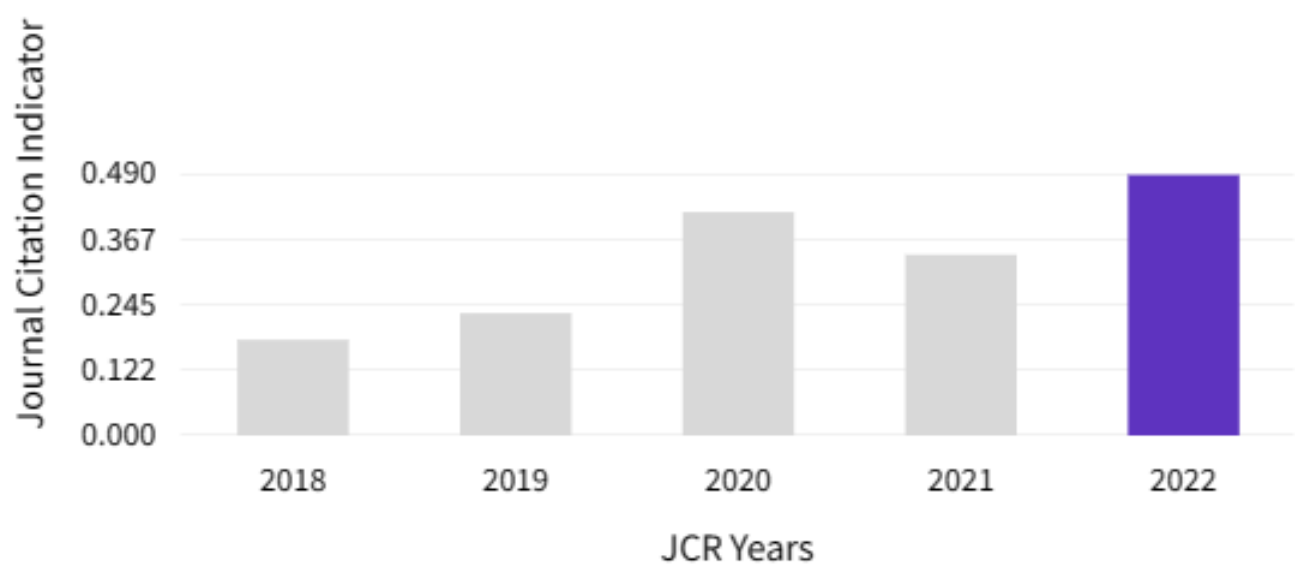
Total Citations

474

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
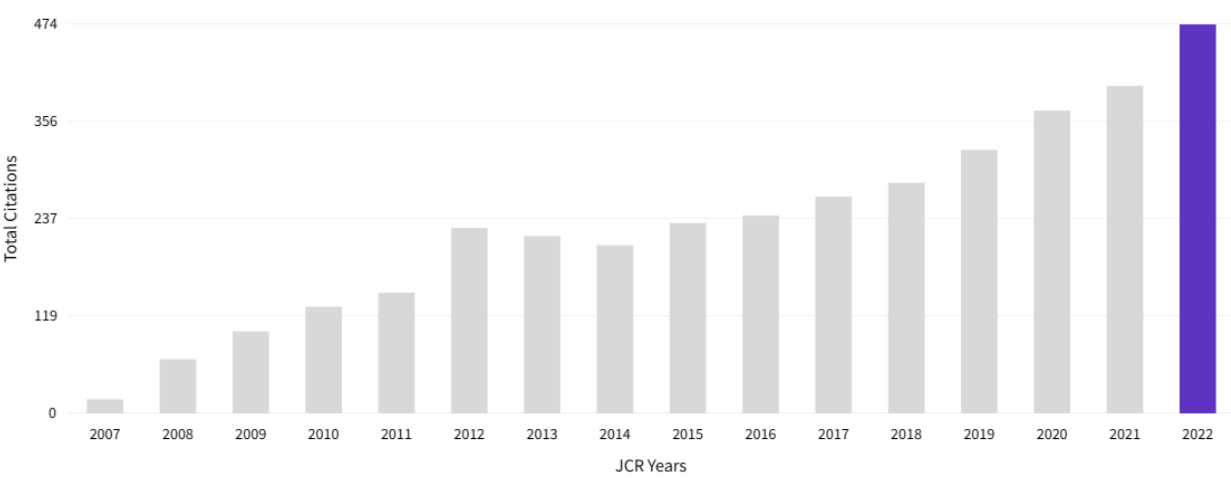
The Citation Distribution shows the frequency with which items published in the year or two years prior were cited in the JCR data year (i.e., the component of the calculation of the JIF). The graph has similar functionality as the JIF Trend graph, including hover-over data descriptions for each data 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	REVIEW CITATION MEDIAN	UNLINKED CITATIONS
0	N/A	4

0 times cited

ARTICLES	REVIEWS	OTHER
64	0	4

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

188

% OF CITABLE OA

0.00%

CITABLE	NON-CITABLE
🟠 GOLD OPEN ACCESS	⚫ OTHER (NON-CITABLE ITEMS)
0 / 0.00%	10 / 5.05%
⚪ SUBSCRIPTION OR BRONZE	
188 / 94.95%	

5.05%

94.95%
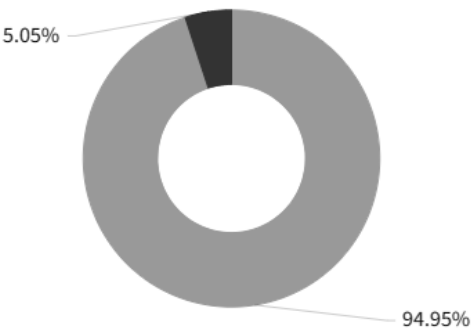
Citations*

TOTAL CITABLE

77

% OF CITABLE OA

0.00%

CITABLE	NON-CITABLE
🟠 GOLD OPEN ACCESS	⚫ OTHER (NON-CITABLE ITEMS)
0 / 0.00%	0 / 0.00%
⚪ SUBSCRIPTION OR BRONZE	⚪ UNLINKED CITATIONS
77 / 95.06%	4 / 4.94%

4.94%

95.06%
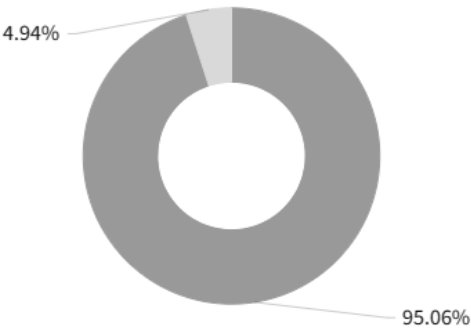
* Citations in 2022 to items published in (2020-2022)

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. 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

202/329

JCR YEAR	JIF RANK	QUARTILE	JIF PERCENTILE	
2022	202/329	Q3	38.8	
2021	297/333	Q4	10.96	
2020	257/330	Q4	22.27	
2019	306/325	Q4	6.00	
2018	313/314	Q4	0.48	
2017	310/310	Q4	0.16	
2016	310/311	Q4	0.48	
2015	226/312	Q3	27.72	
2014	307/312	Q4	1.76	
2013	122/302	Q2	59.77	
2012	89/296	Q2	70.10	
2011	246/289	Q4	15.05	
2010	194/279	Q3	30.65	
2009	198/255	Q4	22.55	
2008	124/215	Q3	42.56	
2007	194/207	Q4	6.52	

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

MATHEMATICS, APPLIED

229/267

JCR YEAR	JIF RANK	QUARTILE	JIF PERCENTILE	
2022	229/267	Q4	14.4	
2021	257/267	Q4	3.93	
2020	244/265	Q4	8.11	
2019	257/261	Q4	1.72	
2018	254/254	Q4	0.20	
2017	252/252	Q4	0.20	
2016	255/255	Q4	0.20	
2015	219/254	Q4	13.98	
2014	256/257	Q4	0.58	
2013	162/251	Q3	35.66	
2012	131/247	Q3	47.17	
2011	218/245	Q4	11.22	
2010	186/236	Q4	21.40	
2009	179/204	Q4	12.50	
2008	140/175	Q4	20.29	
2007	156/165	Q4	5.76	

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.

Only journals which have a calculated JCI value are included in the JCI ranking. The total number of journals displayed in this ranking may be less than the category overall. Learn more

CATEGORY			
MATHEMATICS			
322/482			

JCR YEAR	JCI RANK	QUARTILE	JCI PERCENTILE
2022	322/482	Q3	33.30
2021	417/475	Q4	12.32
2020	375/471	Q4	20.49
2019	449/470	Q4	4.57
2018	454/469	Q4	3.30
2017	435/462	Q4	5.95

CATEGORY			
MATHEMATICS, APPLIED			
226/327			

JCR YEAR	JCI RANK	QUARTILE	JCI PERCENTILE
2022	226/327	Q3	31.04
2021	269/317	Q4	15.30
2020	236/309	Q4	23.79
2019	292/309	Q4	5.66
2018	297/308	Q4	3.73
2017	289/304	Q4	5.10

Citation network

Cited Half-life

10.7 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	NON-SELF CITATIONS	SELF CITATIONS
474	463	11

Cited Years	# OF CITES FROM 2022	CUMULATIVE %	# OF CITING SOURCES
	474 citations	100.00%	181 sources
2022	9 citations	1.90%	8 sources
2021	41 citations	10.55%	32 sources
2020	31 citations	17.09%	24 sources
2019	24 citations	22.15%	17 sources
2018	21 citations	26.58%	18 sources
2017	30 citations	32.91%	24 sources
2016	17 citations	36.50%	17 sources
2015	11 citations	38.82%	9 sources
2014	18 citations	42.62%	18 sources
2013	19 citations	46.62%	18 sources

Previous years:
253 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

Pure and Applied Mathematics Quarterly

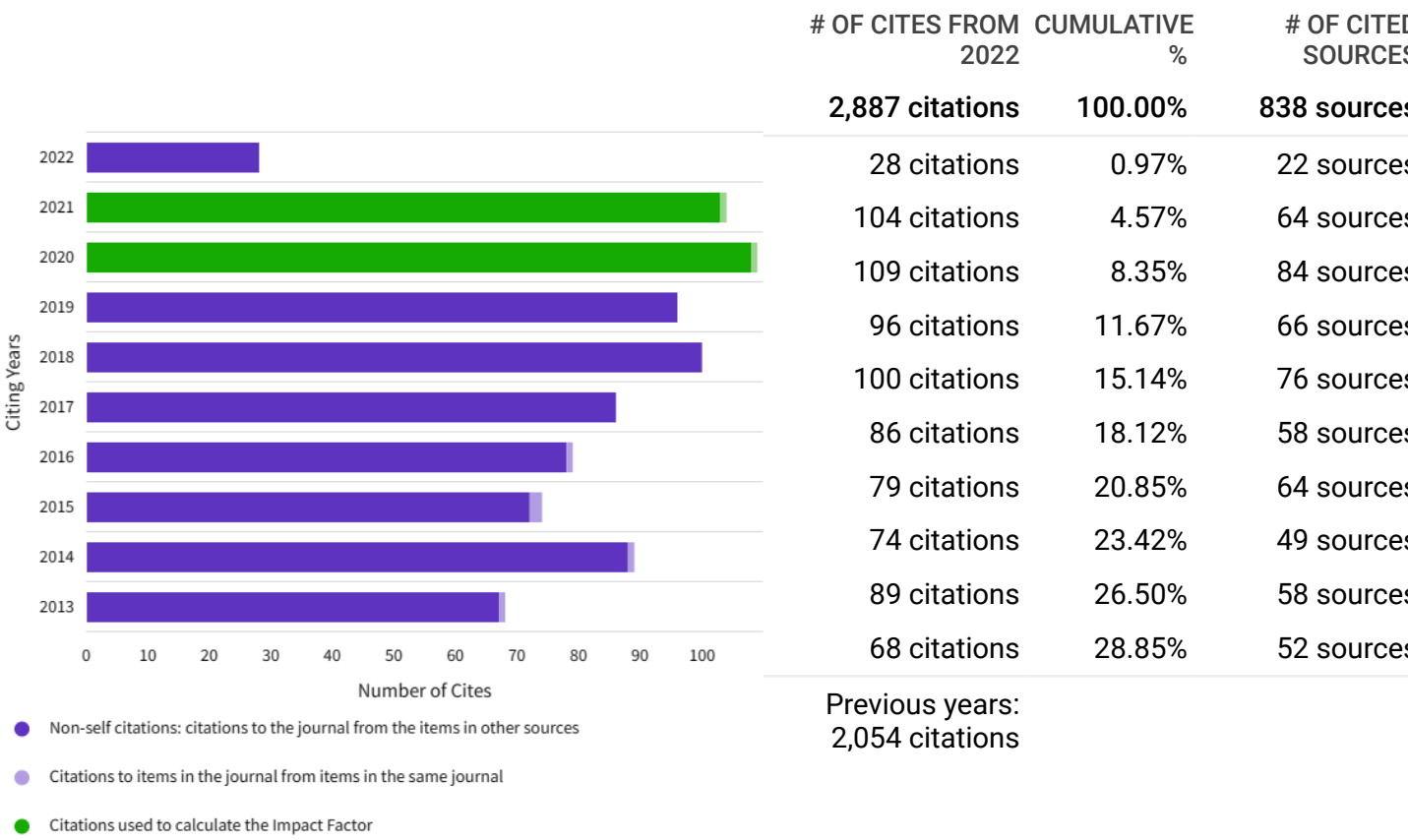|	SOURCE NAME	COUNT
	All Others	92
1	ADVANCES IN MATHEMATICS	20
2	INTERNATIONAL MATHEMATICS RESEARCH NOTICES	18
3	TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY	13
4	COMPOSITIO MATHEMATICA	12
5	Selecta Mathematica-New Series	12
6	JOURNAL OF GEOMETRIC ANALYSIS	11
7	JOURNAL OF HIGH ENERGY PHYSICS	11
8	Pure and Applied Mathematics Quarterly	11
9	INVENTIONES MATHEMATICAE	10
10	JOURNAL OF ALGEBRA	8
11	JOURNAL FUR DIE REINE UND ANGEWANDTE MATHEMATIK	8
12	JOURNAL OF THE AMERICAN MATHEMATICAL SOCIETY	7
13	JOURNAL OF GEOMETRY AND PHYSICS	7
14	DUKE MATHEMATICAL JOURNAL	6
15	JOURNAL OF ALGEBRAIC GEOMETRY	6
16	JOURNAL OF NUMBER THEORY	6
17	TRANSFORMATION GROUPS	6
18	ACTA MATHEMATICA SCIENTIA	5
19	Algebraic Geometry	5
20	BULLETIN OF THE LONDON MATHEMATICAL SOCIETY	5

Showing 1 - 20 rows of 89 total (use export in the relevant section to download the full table)

Citing Half-life

20.0 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
2,887	2,876	11

	# OF CITES FROM 2022	CUMULATIVE %	# OF CITED SOURCES
	2,887 citations	**100.00%**	**838 sources**
2022	28 citations	0.97%	22 sources
2021	104 citations	4.57%	64 sources
2020	109 citations	8.35%	84 sources
2019	96 citations	11.67%	66 sources
2018	100 citations	15.14%	76 sources
2017	86 citations	18.12%	58 sources
2016	79 citations	20.85%	64 sources
2015	74 citations	23.42%	49 sources
2014	89 citations	26.50%	58 sources
2013	68 citations	28.85%	52 sources

Previous years:
2,054 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

Cited titles in all years

Pure and Applied Mathematics Quarterly

	SOURCE NAME	COUNT
	All Others	552
1	INVENTIONES MATHEMATICAE	115
2	ANNALS OF MATHEMATICS	112
3	MATHEMATISCHE ANNALEN	79
4	COMPOSITIO MATHEMATICA	68
5	JOURNAL FUR DIE REINE UND ANGEWANDTE MATHEMATIK	57
6	DUKE MATHEMATICAL JOURNAL	52
7	AMERICAN JOURNAL OF MATHEMATICS	51
8	TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY	45
9	ADVANCES IN MATHEMATICS	44
10	JOURNAL OF DIFFERENTIAL GEOMETRY	40
11	MATHEMATISCHE ZEITSCHRIFT	39
12	JOURNAL OF THE AMERICAN MATHEMATICAL SOCIETY	33
13	JOURNAL OF ALGEBRAIC GEOMETRY	31
14	ASTERISQUE	30
15	INTERNATIONAL MATHEMATICS RESEARCH NOTICES	30
16	ANNALES SCIENTIFIQUES DE L ECOLE NORMALE SUPERIEURE	29
17	JOURNAL OF HIGH ENERGY PHYSICS	29
18	Publications Mathematiques de l IHES	28
19	COMMUNICATIONS IN MATHEMATICAL PHYSICS	27
20	NUCLEAR PHYSICS B	24

Showing 1 - 20 rows of 162 total (use export in the relevant section to download the full table)
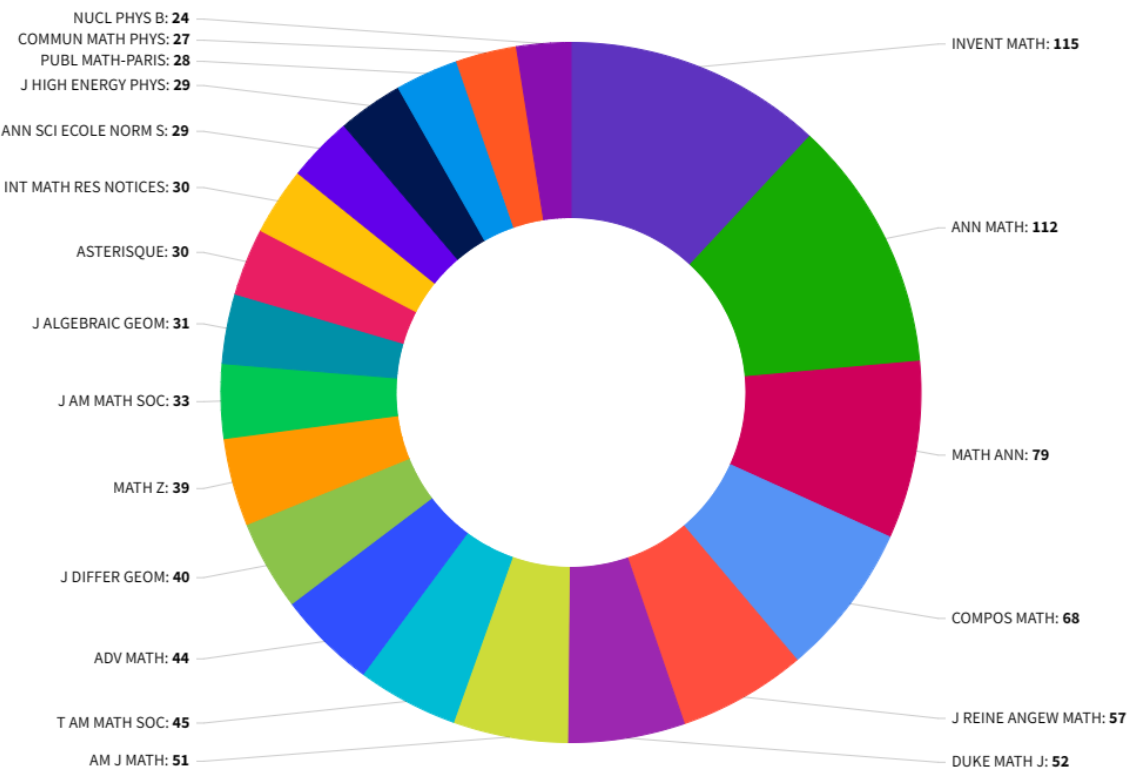
Journal Citation Relationships

Cited Data

Top 20 journals citing PURE APPL MATH Q by number of citations

B LOND MATH SOC: **5**
ALGEBRAIC GEOM: **5**
ACTA MATH SCI: **5**
TRANSFORM GROUPS: **6**
J NUMBER THEORY: **6**
J ALGEBRAIC GEOM: **6**
DUKE MATH J: **6**
J GEOM PHYS: **7**
J AM MATH SOC: **7**
J REINE ANGEW MATH: **8**
J ALGEBRA: **8**
INVENT MATH: **10**
PURE APPL MATH Q: **11**

ADV MATH: **20**
INT MATH RES NOTICES: **18**
T AM MATH SOC: **13**
COMPOS MATH: **12**
SEL MATH-NEW SER: **12**
J GEOM ANAL: **11**
J HIGH ENERGY PHYS: **11**
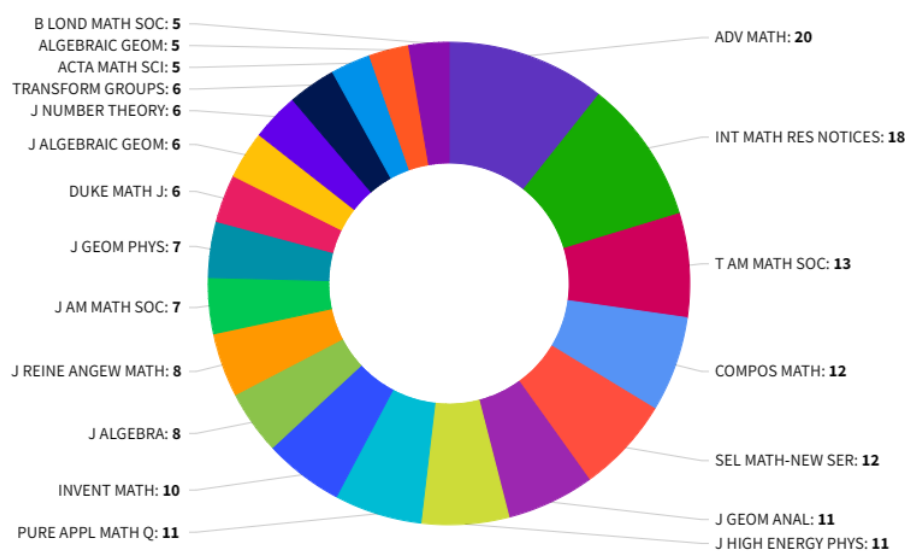
Citing Data

Top 20 journals cited by PURE APPL MATH Q by number of citations

Journal	Citations
INVENT MATH	115
ANN MATH	112
MATH ANN	79
COMPOS MATH	68
J REINE ANGEW MATH	57
DUKE MATH J	52
AM J MATH	51
T AM MATH SOC	45
ADV MATH	44
J DIFFER GEOM	40
MATH Z	39
J AM MATH SOC	33
J ALGEBRAIC GEOM	31
ASTERISQUE	30
INT MATH RES NOTICES	30
ANN SCI ECOLE NORM S	29
J HIGH ENERGY PHYS	29
PUBL MATH-PARIS	28
COMMUN MATH PHYS	27
NUCL PHYS B	24

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

84 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2022 (A)	84	N/A	84	6	93%
NUMBER OF REFERENCES (B)	2,841	N/A	2,841	46	98%
RATIO (B/A)	33.8	N/A	33.8	7.7	

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

26.6

EDITION

Science Citation Index Expanded

MATHEMATICS, APPLIED

14.4

MATHEMATICS

38.8

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	MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT)	13	
2	UDICE-FRENCH RESEARCH UNIVERSITIES	12	
3	UNIVERSITY OF CALIFORNIA SYSTEM	11	
4	TSINGHUA UNIVERSITY	8	
5	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	7	
-	HARVARD UNIVERSITY	7	
-	UNIVERSITY OF TOKYO	7	
8	MCGILL UNIVERSITY	6	

Showing 1 - 8 rows of 219 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	USA	95	
2	CHINA MAINLAND	32	
3	Japan	23	
4	France	18	
5	GERMANY (FED REP GER)	17	
6	Canada	11	
7	Italy	8	
8	England	7	

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Additional metrics
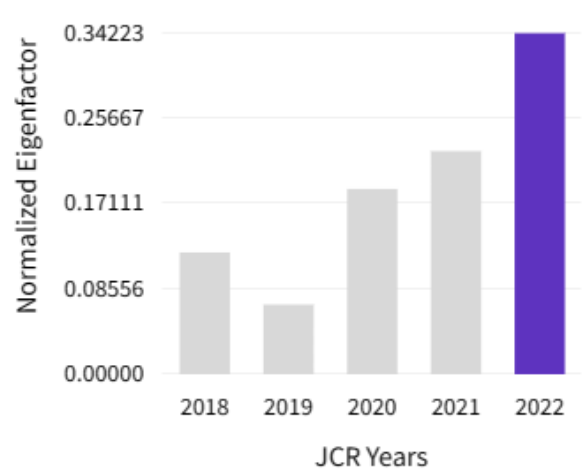
Eigenfactor score

0.00159

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
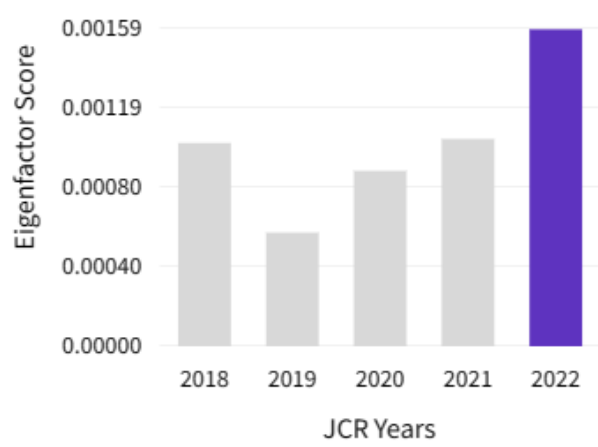

Normalized Eigenfactor

0.34223

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

1.055

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
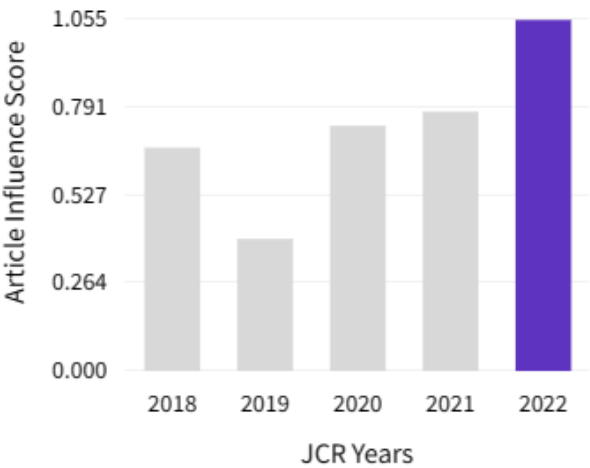
5 year Impact Factor

0.9

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.
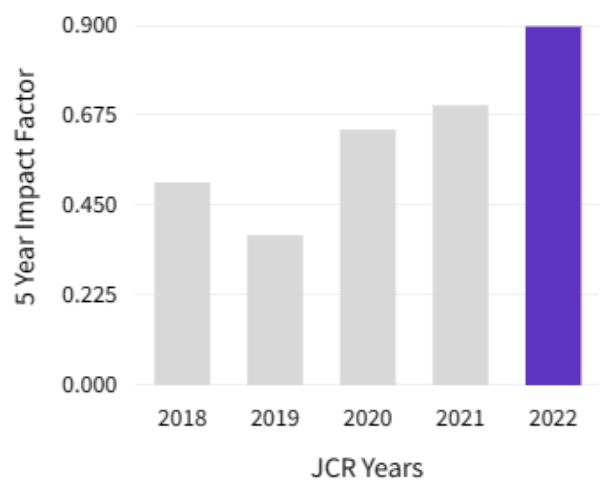

5 year Impact Factor calculation

$$\frac{\text{Citations in 2022 to items published in [2017-2021] (147)}}{\text{Number of citable items in [2017-2021] (171)}} = \frac{147}{171} = 0.9$$

Immediacy Index

0.1

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
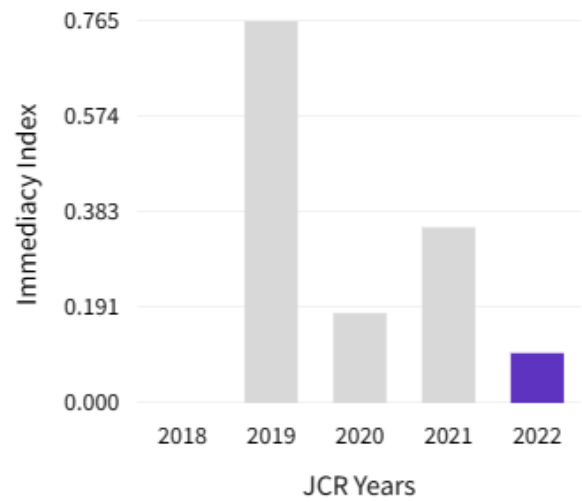
Immediacy Index calculation

Cites in 2022 to items published in 2022 9	
—————————————————————————	9 / 84 = 0.1
Number of items published in 2022 84	