

# 2021 Journal Performance Data for: Hacettepe Journal of Mathematics and Statistics

ISSN	EISSN
N/A	2651-477X
JCR ABBREVIATION	ISO ABBREVIATION
HACET J MATH STAT	Hacet. J. Math. Stat.

## Journal Information

EDITION	CATEGORY	
Science Citation Index Expanded (SCIE)	MATHEMATICS - SCIE STATISTICS & PROBABILITY - SCIE	
LANGUAGES	REGION	1ST ELECTRONIC JCR YEAR
English	TURKEY	2009

## Publisher Information

PUBLISHER	ADDRESS	PUBLICATION FREQUENCY
HACETTEPE UNIV, FAC SCI	HACETTEPE UNIV, FAC SCI, BEYTEPE, ANKARA 06800, TURKEY	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.

2021 JOURNAL IMPACT FACTOR

**0.867**

2021 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

**0.827**

## Journal Impact Factor Trend 2021



Journal Impact Factor is calculated using the following metrics




$$\frac{\text{Citations in 2021 to items published in 2019 (137) - 2020 (144)}}{\text{Number of citable items in 2019 (150) + 2020 (174)}} = \frac{281}{324} = 0.867$$

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

$$\frac{\text{Citations in 2021 to items published in 2019 (137) + 2020 (144) - Self Citations in 2021 to items published in 2019 (3) + 2020 (10)}}{\text{Number of citable items in 2019 (150) + 2020 (174)}} = \frac{281 - 13}{324} = 0.827$$

## Journal Impact Factor Contributing Items

### Citable Items (324)

TITLE	CITATION COUNT
Detour g-interior nodes and detour g-boundary nodes in bipolar fuzzy graph with applications Authors: Poulik, Soumitra;Ghorai, Ganesh Volume: 49 Accession number: WOS:000514797000011 Document Type: Article	12
Solvability of a system of higher order nonlinear difference equations Authors: Kara, Merve;Yazlik, Yasin;Tollu, Durhasan Turgut Volume: 49 Accession number: WOS:000581099500002 Document Type: Article	9 
An integrated vendor-buyer model with quadratic demand under inspection policy and preservation technology Authors: Pervin, Magfura;Roy, Sankar Kumar;Weber, Gerhard-Wilhelm Volume: 49 Accession number: WOS:000538160200023 Document Type: Article	8 
Computation of Zagreb indices and Zagreb polynomials of Sierpinski graphs Authors: Siddiqui, Hafiz Muhammad Afzal Volume: 49 Accession number: WOS:000538159500023 Document Type: Article	8 
Method for generating distributions and classes of probability distributions: the univariate case Authors: de Brito, Cicero Ramos;Rego, Leandro Chaves;De Oliveira, Wilson Rosa;Gomes-Silva, Frank Volume: 48 Accession number: WOS:000472752000024 Document Type: Article	7

Showing 1-5 rows of 324 total (use export in the relevant section to download the full table)

## Journal Impact Factor Contributing Items

### Citing Sources (149)

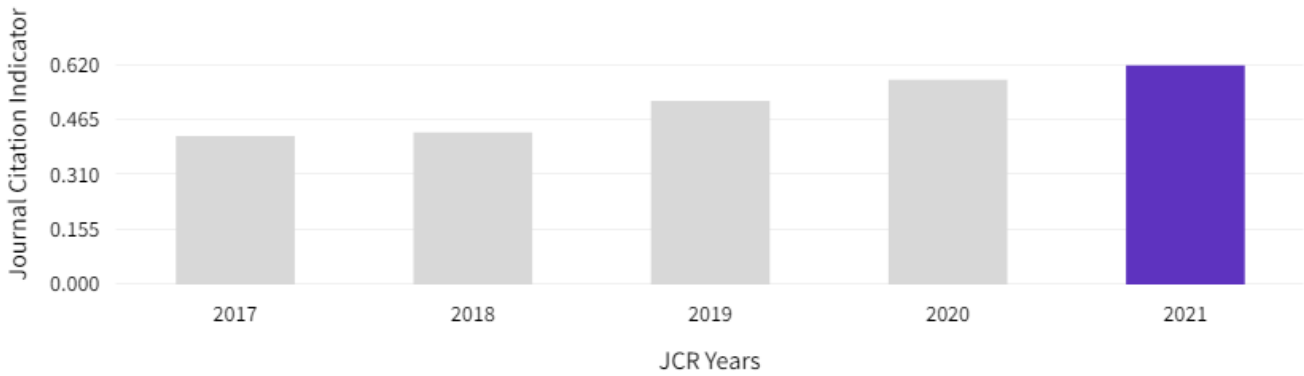
SOURCE NAME	COUNT
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS	13
TURKISH JOURNAL OF MATHEMATICS	12
AIMS MATHEMATICS	11
JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	10
MATHEMATICS	8
POLYCYCLIC AROMATIC COMPOUNDS	8
MATHEMATICAL PROBLEMS IN ENGINEERING	6
ASIAN-EUROPEAN JOURNAL OF MATHEMATICS	5
JOURNAL OF MATHEMATICS	5
AXIOMS	4
COMPLEXITY	4
FILOMAT	4
JOURNAL OF APPLIED MATHEMATICS AND COMPUTING	4
MAIN GROUP METAL CHEMISTRY	4
SYMMETRY-BASEL	4
ADVANCES IN DIFFERENCE EQUATIONS	3
APPLIED GENERAL TOPOLOGY	3
COMPUTATIONAL & APPLIED MATHEMATICS	3
IEEE ACCESS	3
JOURNAL OF FUNCTION SPACES	3

Showing 1-20 rows of 149 total (use export in the relevant section to download the full table)

# Journal Citation Indicator (JCI)

0.62

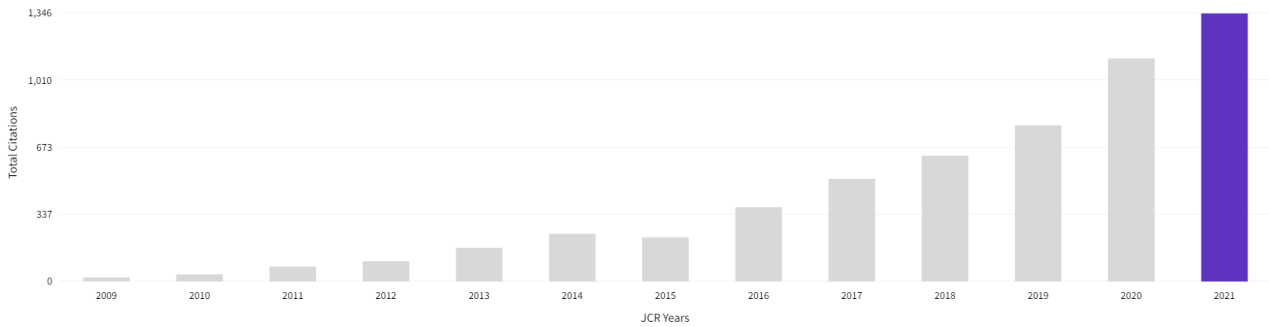
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



# Total Citations

1,346

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.

ARTICLE CITATION MEDIAN

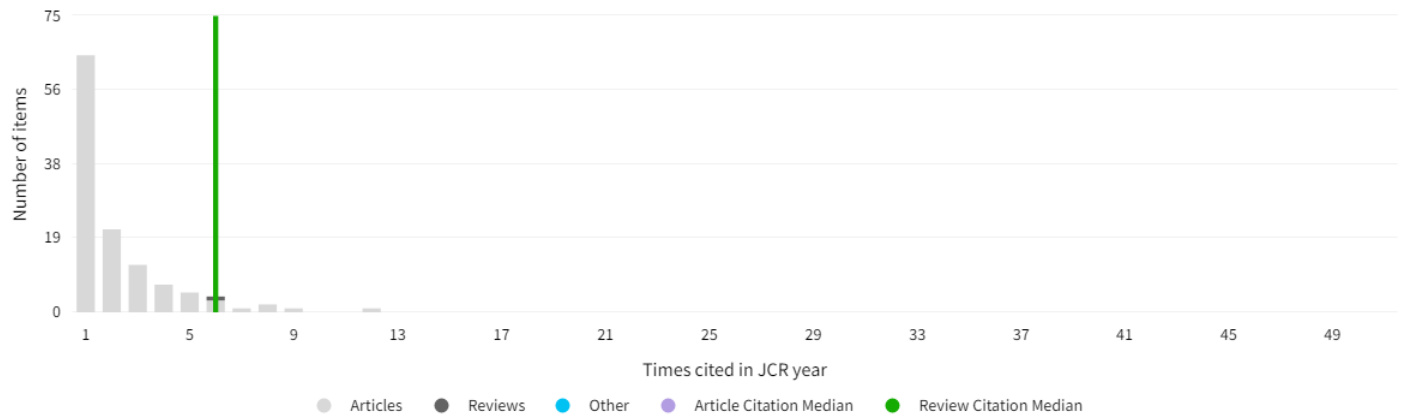
0

REVIEW CITATION MEDIAN

6

UNLINKED CITATIONS

17



## 0 times cited

ARTICLES

205

REVIEWS

0

OTHER

1

## 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.

### Items

TOTAL CITABLE

**467**

% OF CITABLE OA

**67.67%**

CITABLE

● GOLD OPEN ACCESS

316 / 67.09%

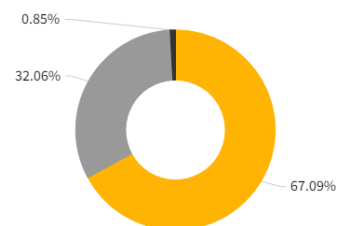
● SUBSCRIPTION OR BRONZE

151 / 32.06%

NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

4 / 0.85%



### Citations\*

TOTAL CITABLE

**294**

% OF CITABLE OA

**56.46%**

CITABLE

● GOLD OPEN ACCESS

166 / 53.21%

● SUBSCRIPTION OR BRONZE

128 / 41.03%

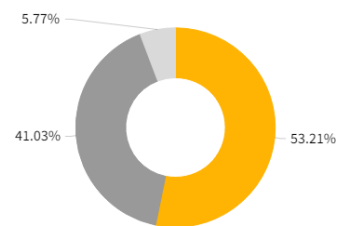
NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

0 / 0.00%

● UNLINKED CITATIONS

18 / 5.77%



\* 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.

### EDITION

Science Citation Index Expanded (SCIE)

### CATEGORY

MATHEMATICS

**195/333**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2021	195/333	Q3	41.59	
2020	172/330	Q3	48.03	
2019	202/325	Q3	38.00	
2018	207/314	Q3	34.24	
2017	220/310	Q3	29.19	
2016	251/311	Q4	19.45	
2015	296/312	Q4	5.29	
2014	240/312	Q4	23.24	
2013	219/302	Q3	27.65	
2012	207/296	Q3	30.24	
2011	232/289	Q4	19.90	
2010	227/279	Q4	18.82	
2009	254/255	Q4	0.59	

### EDITION

Science Citation Index Expanded (SCIE)

### CATEGORY

STATISTICS & PROBABILITY

**106/125**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2021	106/125	Q4	15.60	
2020	102/125	Q4	18.80	
2019	95/124	Q4	23.79	
2018	105/123	Q4	15.04	
2017	104/123	Q4	15.85	
2016	115/124	Q4	7.66	
2015	121/123	Q4	2.03	
2014	114/122	Q4	6.97	
2013	104/119	Q4	13.03	
2012	102/117	Q4	13.25	
2011	103/116	Q4	11.64	
2010	98/110	Q4	11.36	
2009	99/100	Q4	1.50	

## 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.

### CATEGORY

#### MATHEMATICS

**257/475**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2021	257/475	Q3	46.00	
2020	294/471	Q3	37.69	
2019	330/470	Q3	29.89	
2018	365/469	Q4	22.28	
2017	365/462	Q4	21.10	

### CATEGORY

#### STATISTICS & PROBABILITY

**64/163**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2021	64/163	Q2	61.04	
2020	70/161	Q2	56.83	
2019	77/161	Q2	52.48	
2018	95/161	Q3	41.30	
2017	96/159	Q3	39.94	

# Citation network

## Cited Half-life

5.4 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

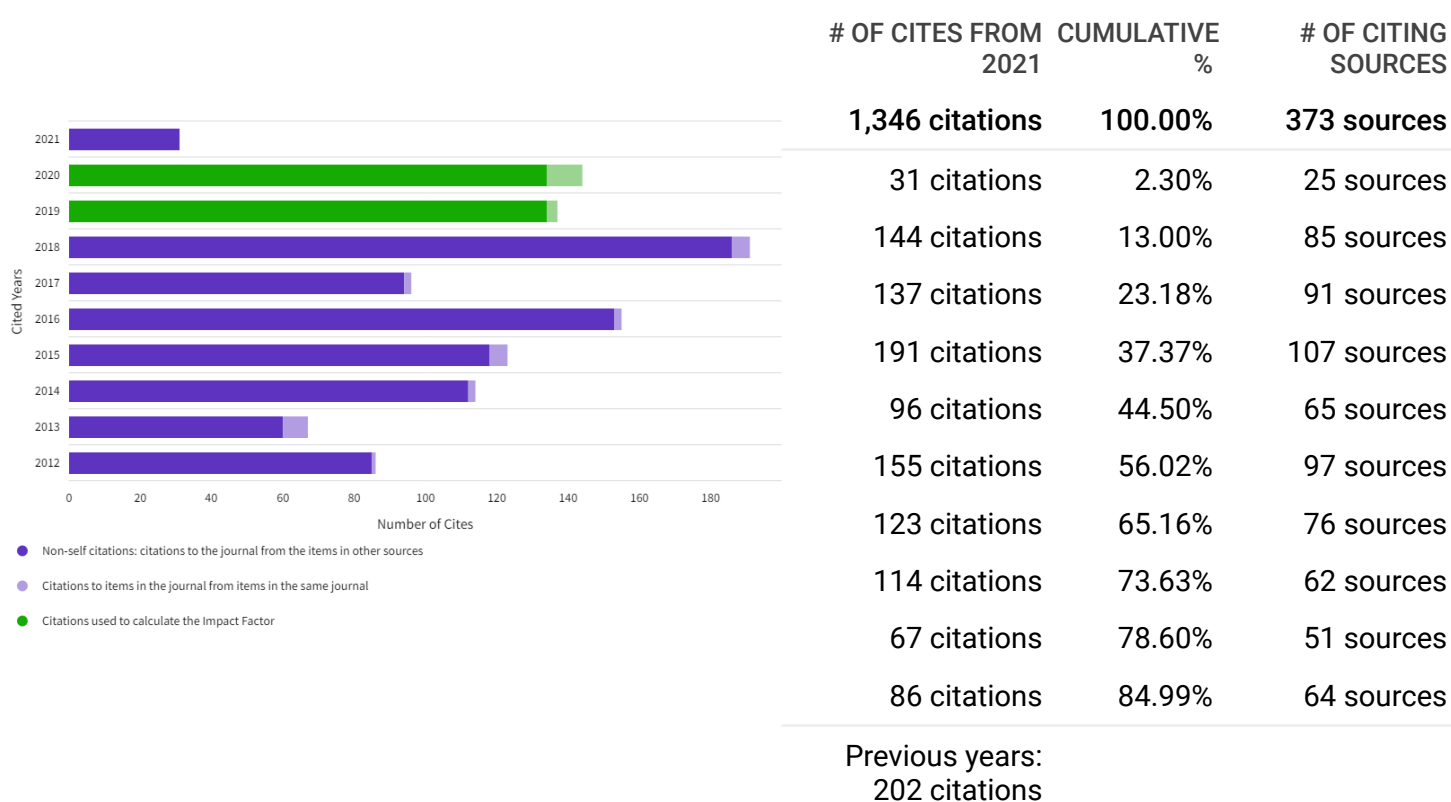
1,346

NON-SELF CITATIONS

1,305

SELF CITATIONS

41



## Citing titles in all years

Hacettepe Journal of Mathematics and Statistics

	SOURCE NAME	COUNT
	All Others	173
1	AIMS Mathematics	63
2	Hacettepe Journal of Mathematics and Statistics	41
3	Mathematics	33
4	COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION	30
5	MATHEMATICAL PROBLEMS IN ENGINEERING	30
6	Symmetry-Basel	30
7	Filomat	28
8	Turkish Journal of Mathematics	28
9	Journal of Function Spaces	26
10	Journal of Mathematics	25
11	Advances in Difference Equations	20
12	COMMUNICATIONS IN STATISTICS-THEORY AND METHODS	19
13	MATHEMATICAL METHODS IN THE APPLIED SCIENCES	18
14	JOURNAL OF INEQUALITIES AND APPLICATIONS	17
15	Pakistan Journal of Statistics and Operation Research	16
16	JOURNAL OF INTELLIGENT & FUZZY SYSTEMS	15
17	COMPLEXITY	12
18	Journal of Statistics and Management Systems	12
19	Mathematica Slovaca	12
20	SOFT COMPUTING	12

Showing 1 - 20 rows of 198 total (use export in the relevant section to download the full table)

# Citing Half-life

## 14.9 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

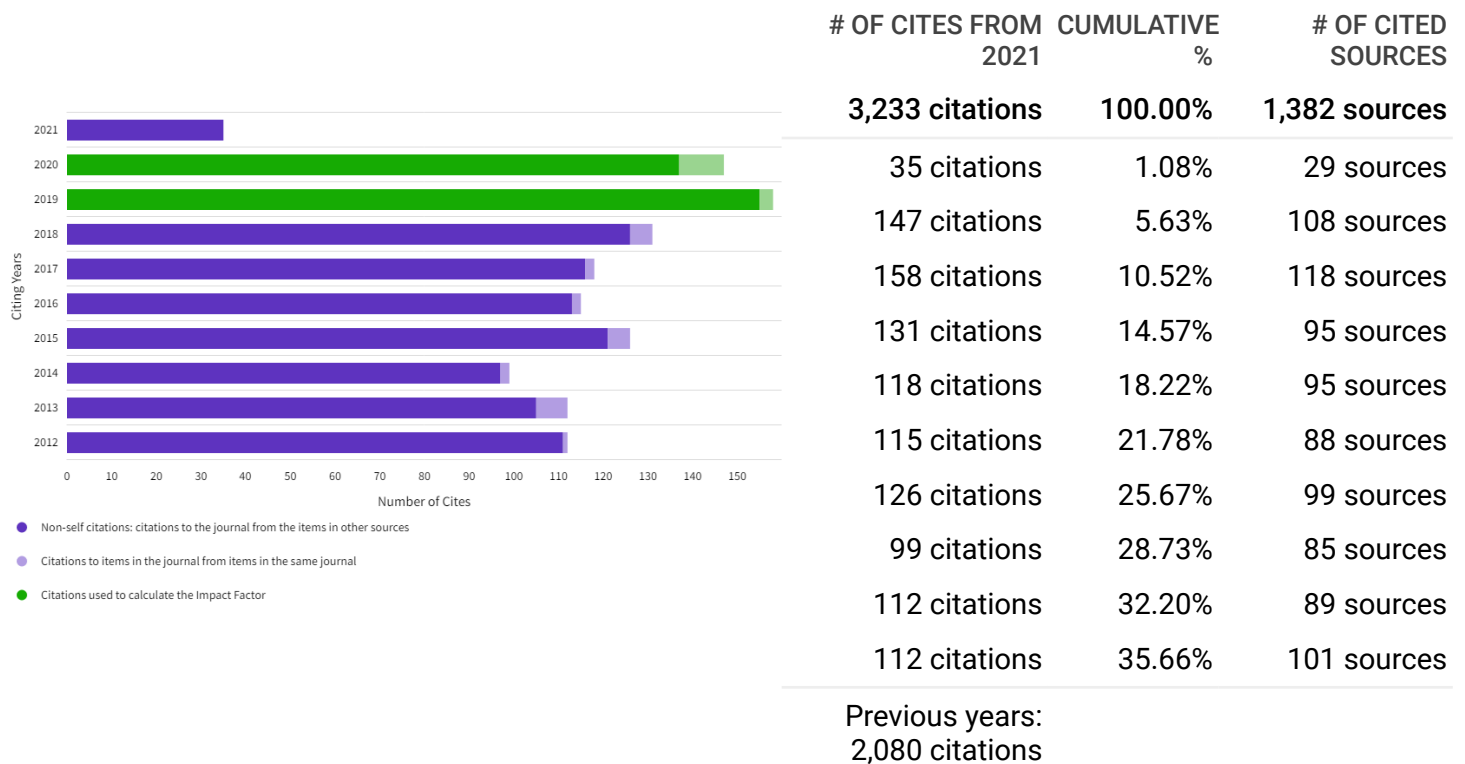
3,233

NON-SELF CITATIONS

3,192

SELF CITATIONS

41



## Cited titles in all years

Hacettepe Journal of Mathematics and Statistics

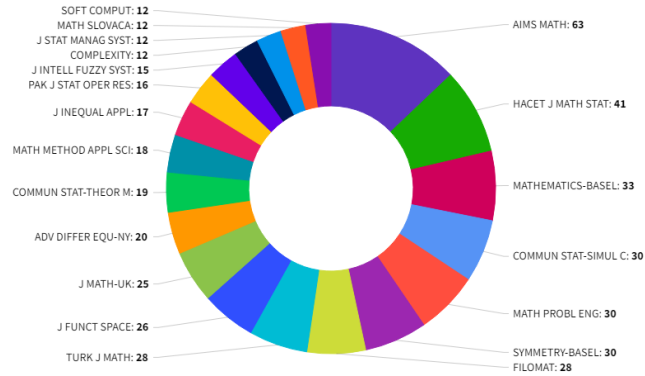
	SOURCE NAME	COUNT
	All Others	928
1	JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS	55
2	COMMUNICATIONS IN ALGEBRA	51
3	APPLIED MATHEMATICS AND COMPUTATION	41
4	Hacettepe Journal of Mathematics and Statistics	41
5	Turkish Journal of Mathematics	36
6	PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY	33
7	JOURNAL OF ALGEBRA	30
8	JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION	28
9	TOPOLOGY AND ITS APPLICATIONS	25
10	COMMUNICATIONS IN STATISTICS-THEORY AND METHODS	24
11	LINEAR ALGEBRA AND ITS APPLICATIONS	23
12	Filomat	22
13	COMPUTERS & MATHEMATICS WITH APPLICATIONS	21
14	NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS	21
15	MATCH-COMMUNICATIONS IN MATHEMATICAL AND IN COMPUTER CHEMISTRY	20
16	COMMUNICATIONS IN STATISTICS-SIMULATION AND COMPUTATION	19
17	JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS	19
18	JOURNAL OF STATISTICAL COMPUTATION AND SIMULATION	19
19	TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY	19
20	MATHEMATICAL INEQUALITIES & APPLICATIONS	17

Showing 1 - 20 rows of 332 total (use export in the relevant section to download the full table)

# Journal Citation Relationships

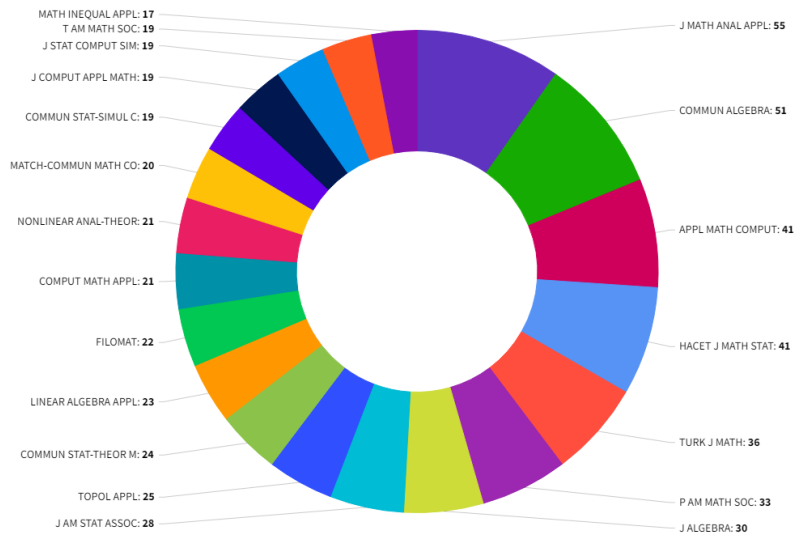
## Cited Data

Top 20 journals citing HACET J MATH STAT by number of citations



# Citing Data

## Top 20 journals cited by HACET J MATH STAT 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.

### 143 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2021 (A)	142	1	143	3	98%
NUMBER OF REFERENCES (B)	3,174	51	3,225	8	100%
RATIO (B/A)	22.4	51.0	22.6	2.7	

## Contributions by Organizations









Organizations that have contributed the most papers to the journal in the most recent three-year period.

RANK	ORGANIZATION	COUNT	
1	HACETTEPE UNIVERSITY	14	
2	ANKARA UNIVERSITY	13	
3	DOKUZ EYLUL UNIVERSITY	11	
-	GAZI UNIVERSITY	11	
5	FERDOWSI UNIVERSITY MASHHAD	10	
-	ISLAMIC AZAD UNIVERSITY	10	
7	COMSATS UNIVERSITY ISLAMABAD (CUI)	8	
8	BALIKESIR UNIVERSITY	7	

Showing 1 - 8 rows of 449 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.

RANK	COUNTRY/REGION	COUNT	
1	Turkey	190	
2	Iran	70	
3	India	59	
4	CHINA MAINLAND	54	
5	Pakistan	36	
6	Saudi Arabia	19	
7	South Korea	14	
8	Poland	11	

Showing 1 - 8 rows of 58 total (use export in the relevant section to download the full table)

# Additional metrics

## Eigenfactor score

**0.00194**

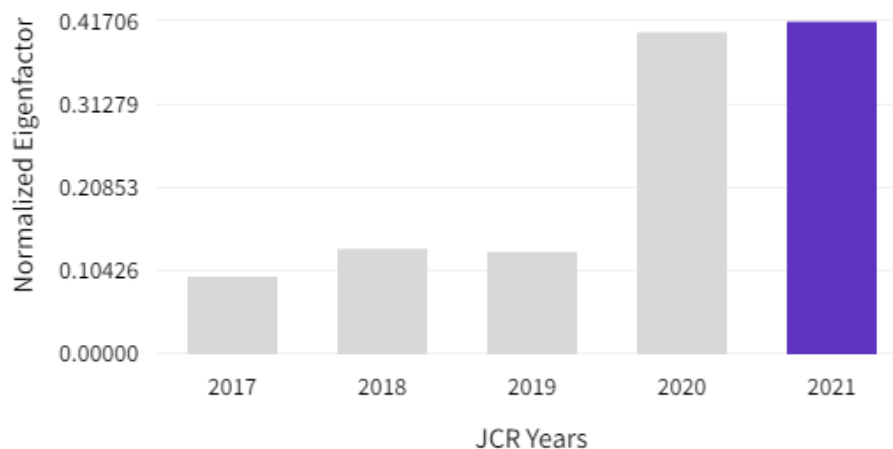
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



## Normalized Eigenfactor

**0.41706**

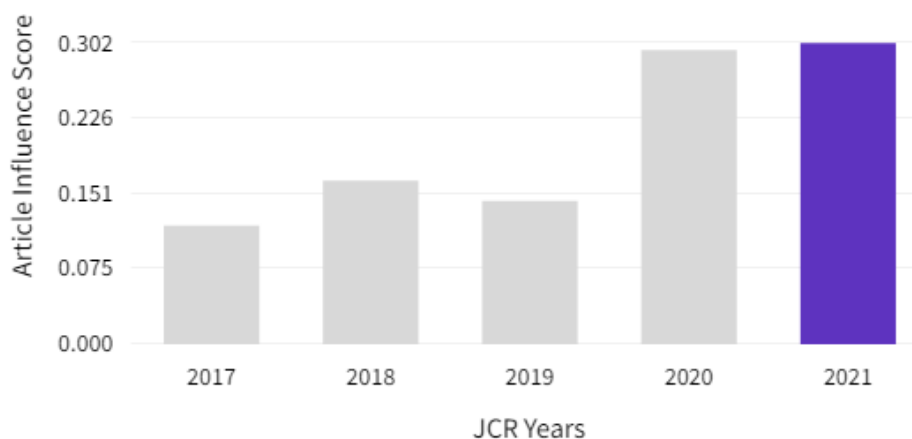
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1.



## Article influence score

**0.302**

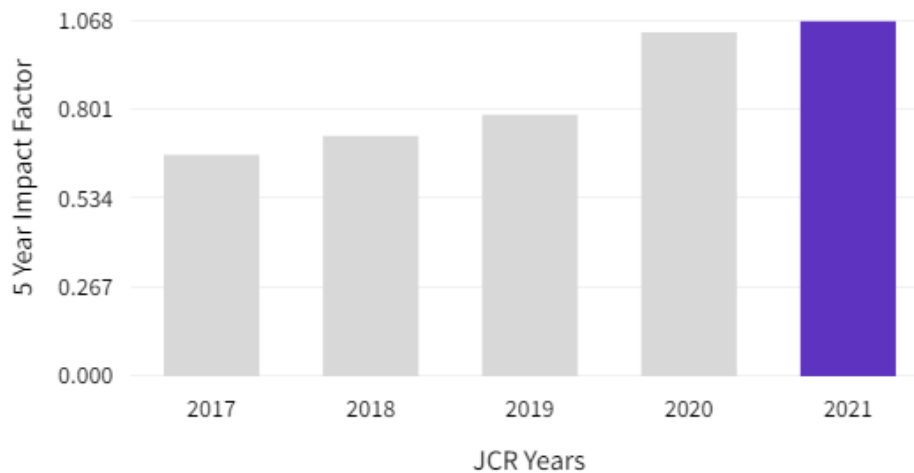
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.



# 5 year Impact Factor

## 1.068

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.



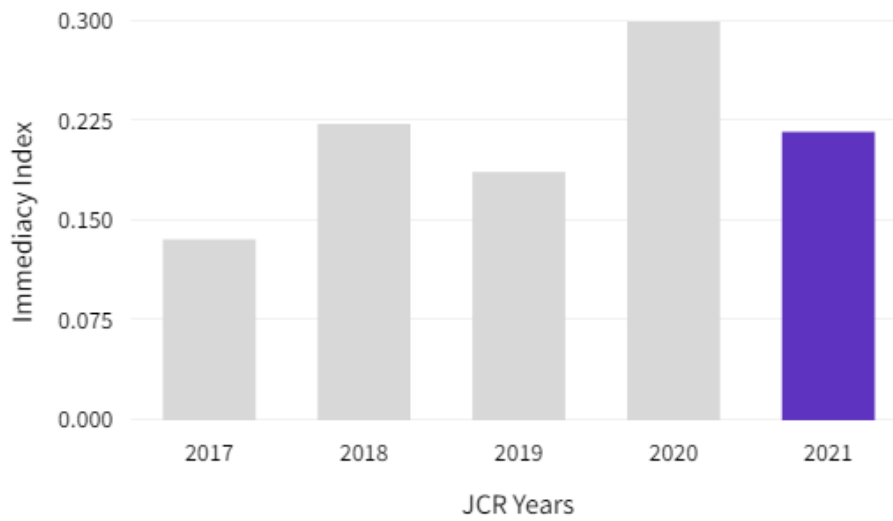
5 year Impact Factor calculation

Citations in 2021 to items published in [2016-2020] (723)	=	$\frac{723}{677}$	=	1.068
Number of citable items in [2016-2020] (677)				

# Immediacy Index

**0.217**

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.



Immediacy Index calculation

Cites in 2021 to items published in 2021	31	
<hr/>		31 / 143 = 0.217
Number of items published in 2021	143	