

# 2022 Journal Performance Data for: Acta Crystallographica Section F-Structural Biology Communications

ISSN

N/A

EISSN

2053-230X

JCR ABBREVIATION

ACTA CRYSTALLOGR F

ISO ABBREVIATION

Acta Crystallogr. F-Struct. Biol.  
Commun.

## Journal Information

EDITION

Science Citation Index  
Expanded (SCIE)

CATEGORY

BIOCHEMISTRY & MOLECULAR  
BIOLOGY - SCIE  
CRYSTALLOGRAPHY - SCIE  
BIOPHYSICS - SCIE  
BIOCHEMICAL RESEARCH  
METHODS - SCIE

LANGUAGES

English

REGION

DENMARK

1ST ELECTRONIC JCR YEAR

2007

## Publisher Information

PUBLISHER

INT UNION  
CRYSTALLOGRAPHY

ADDRESS

2 ABBEY SQ, CHESTER CH1  
2HU, ENGLAND

PUBLICATION FREQUENCY

12 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](#)

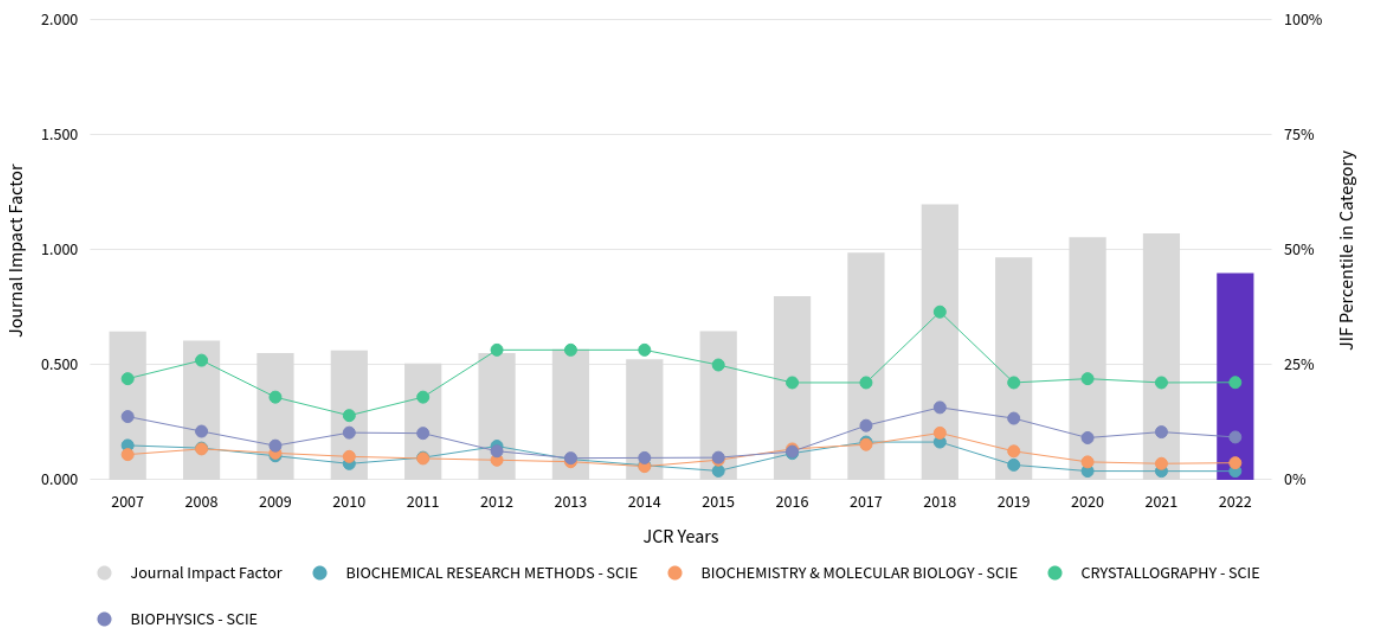
2022 JOURNAL IMPACT FACTOR

0.9

2022 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.9

## Journal Impact Factor Trend 2022



Journal Impact Factor is calculated using the following metrics



$$\frac{\text{Citations in 2022 to items published in 2020 (84) - 2021 (43)}}{\text{Number of citable items in 2020 (81) + 2021 (61)}} = \frac{127}{142} = 0.9$$

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

$$\frac{\text{Citations in 2022 to items published in 2020 (84) + 2021 (43) - Self Citations in 2022 to items published in 2020 (4) + 2021 (2)}}{\text{Number of citable items in 2020 (81) + 2021 (61)}} = \frac{127 - 6}{142} = 0.9$$

## Journal Impact Factor Contributing Items

### Citable Items (142)

TITLE	CITATION COUNT
<p>High-resolution crystal structures of Escherichia coli FtsZ bound to GDP and GTP Authors: Schumacher, Maria A.;Ohashi, Tomoo;Corbin, Lauren;Erickson, Harold P. Volume: 76 Accession number: WOS:000514099800007 Document Type: Article</p>	6 
<p>Room-temperature neutron and X-ray data collection of 3CL M-pro from SARS-CoV-2 Authors: Kneller, Daniel W.;Phillips, Gwyndalyn;Kovalevsky, Andrey;Coates, Leighton Volume: 76 Accession number: WOS:000577144100004 Document Type: Article</p>	5 
<p>Glycogen phosphorylase revisited: extending the resolution of the R- and T-state structures of the free enzyme and in complex with allosteric activators Authors: Leonidas, Demetres D.;Zographos, Spyros E.;Tsitsanou, Katerina E.;Skamnaki, Vassiliki T.;Stravodimos, George;Kyriakis, Efthimios Volume: 77 Accession number: WOS:000692919000004 Document Type: Article</p>	4
<p>Structural and biochemical characterization of mitochondrial citrate synthase 4 from Arabidopsis thaliana Authors: Nishio, Kazuya;Mizushima, Tsunehiro Volume: 76 Accession number: WOS:000518473900002 Document Type: Article</p>	3
<p>Structural characterization of three noncanonical NTF2-like superfamily proteins: implications for polyketide biosynthesis Authors: Vuksanovic, Nemanja;Zhu, Xuechen;Serrano, Dante A.;Siitonen, Vilja;Metsa-Ketela, Mikko;Melancon, Charles E., III;Silvaggi, Nicholas R. Volume: 76 Accession number: WOS:000555819200007 Document Type: Article</p>	3

Showing 1-5 rows of 142 total (use export in the relevant section to download the full table)

## Journal Impact Factor Contributing Items

### Citing Sources (93)

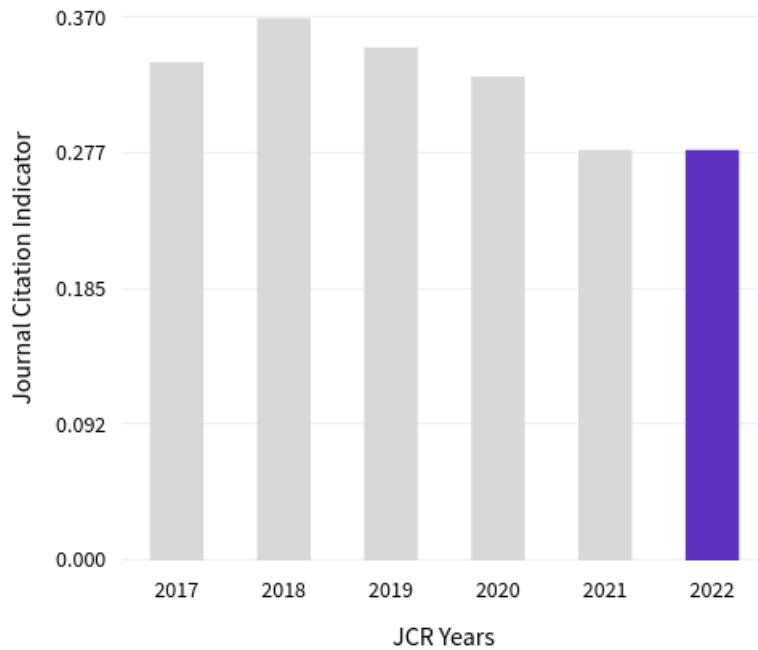
SOURCE NAME	COUNT
ACTA CRYSTALLOGRAPHICA SECTION F-STRUCTURAL BIOLOGY COMMUNICATIONS	6
ACTA CRYSTALLOGRAPHICA SECTION D-STRUCTURAL BIOLOGY	4
FRONTIERS IN MOLECULAR BIOSCIENCES	4
FEBS JOURNAL	3
JOURNAL OF MEDICINAL CHEMISTRY	3
NATURE COMMUNICATIONS	3
ACS OMEGA	2
ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	2
COMMUNICATIONS BIOLOGY	2
DALTON TRANSACTIONS	2
FEBS LETTERS	2
FEBS OPEN BIO	2
FRONTIERS IN MICROBIOLOGY	2
FRONTIERS IN PLANT SCIENCE	2
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES	2
IUCRJ	2
JOURNAL OF SEPARATION SCIENCE	2
MBIO	2
MOLECULES	2
NUCLEIC ACIDS RESEARCH	2

Showing 1-20 rows of 93 total (use export in the relevant section to download the full table)

# Journal Citation Indicator (JCI)

0.28

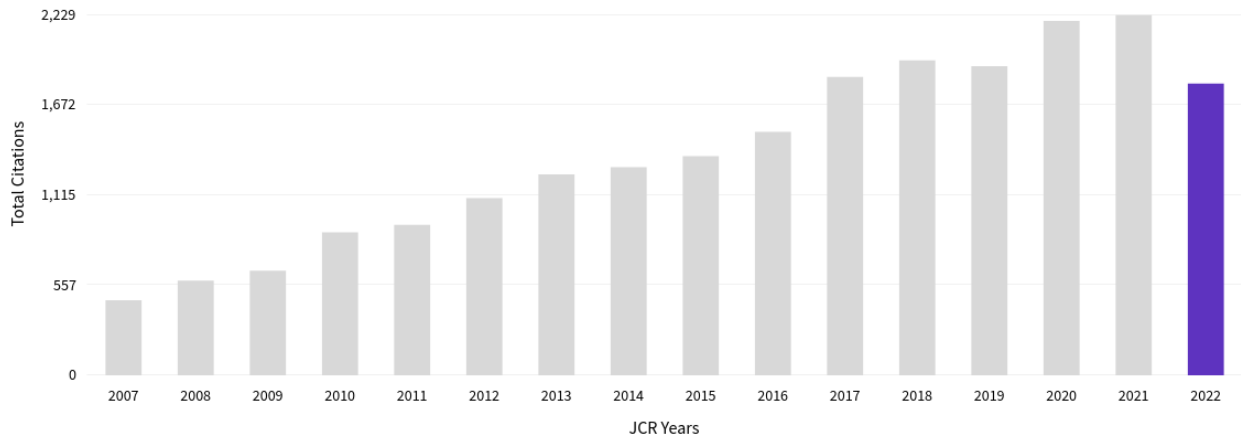
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



# Total Citations

1,805

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

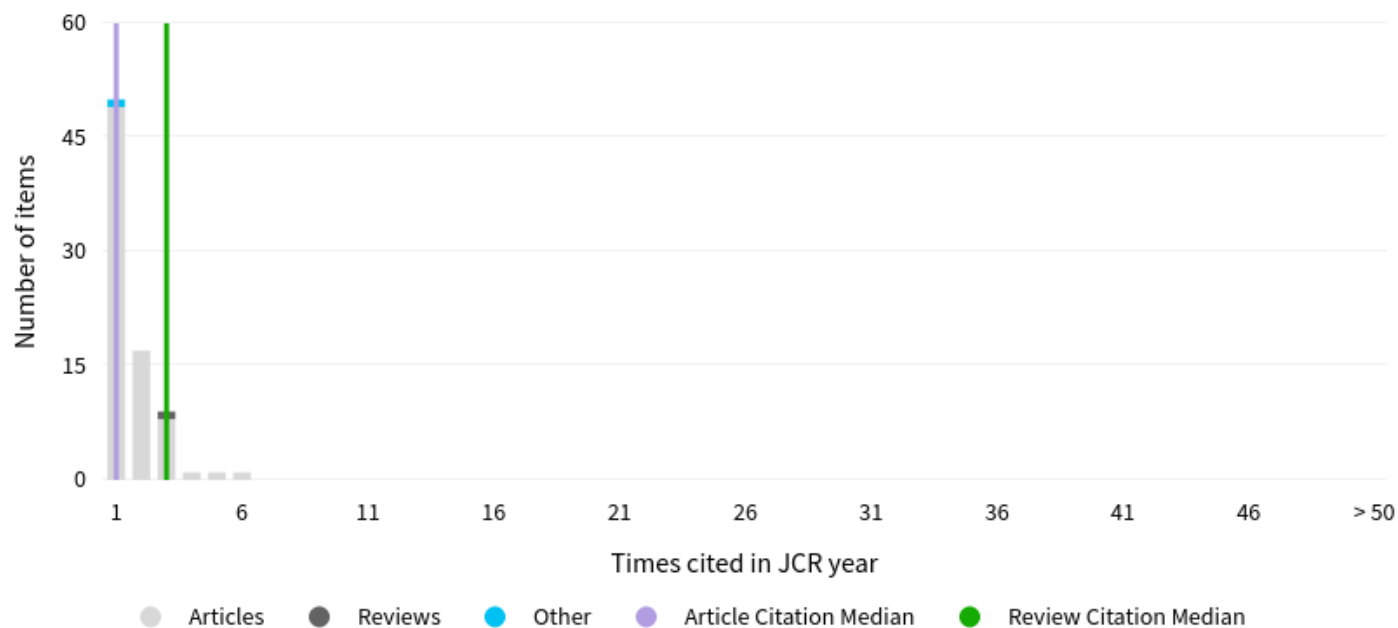
1

REVIEW CITATION MEDIAN

3

UNLINKED CITATIONS

1



## 0 times cited

ARTICLES

64

REVIEWS

0

OTHER

7

## 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

**193**

% OF CITABLE OA

**38.34%**

CITABLE

● GOLD OPEN ACCESS

74 / 36.27%

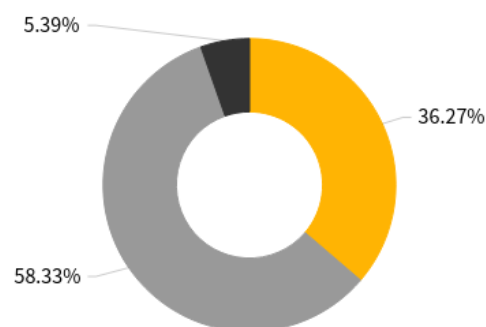
● SUBSCRIPTION OR BRONZE

119 / 58.33%

NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

11 / 5.39%



### Citations\*

TOTAL CITABLE

**141**

% OF CITABLE OA

**43.97%**

CITABLE

● GOLD OPEN ACCESS

62 / 42.18%

● SUBSCRIPTION OR BRONZE

79 / 53.74%

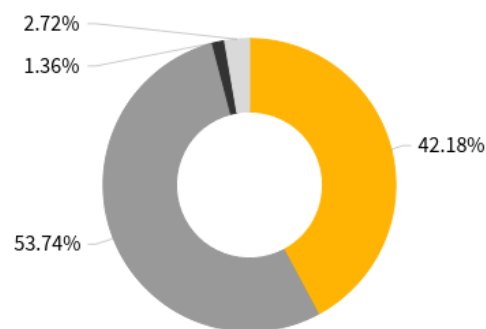
NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

2 / 1.36%

● UNLINKED CITATIONS

4 / 2.72%



\* 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

BIOCHEMICAL RESEARCH METHODS

**76/77**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	76/77	Q4	1.9	<div style="width: 10%;"></div>
2021	78/79	Q4	1.90	<div style="width: 10%;"></div>
2020	77/78	Q4	1.92	<div style="width: 10%;"></div>
2019	75/77	Q4	3.25	<div style="width: 10%;"></div>
2018	73/79	Q4	8.23	<div style="width: 10%;"></div>
2017	73/79	Q4	8.23	<div style="width: 10%;"></div>
2016	74/78	Q4	5.77	<div style="width: 10%;"></div>
2015	76/77	Q4	1.95	<div style="width: 10%;"></div>
2014	77/79	Q4	3.16	<div style="width: 10%;"></div>
2013	75/78	Q4	4.49	<div style="width: 10%;"></div>
2012	70/75	Q4	7.33	<div style="width: 10%;"></div>
2011	69/72	Q4	4.86	<div style="width: 10%;"></div>
2010	69/71	Q4	3.52	<div style="width: 10%;"></div>
2009	64/67	Q4	5.22	<div style="width: 10%;"></div>
2008	61/65	Q4	6.92	<div style="width: 10%;"></div>
2007	56/60	Q4	7.50	<div style="width: 10%;"></div>

### EDITION

Science Citation Index Expanded (SCIE)

### CATEGORY

BIOCHEMISTRY & MOLECULAR BIOLOGY

**275/285**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	275/285	Q4	3.7	<div style="width: 10%;"></div>
2021	287/297	Q4	3.54	<div style="width: 10%;"></div>
2020	284/295	Q4	3.90	<div style="width: 10%;"></div>
2019	279/297	Q4	6.23	<div style="width: 10%;"></div>
2018	269/299	Q4	10.20	<div style="width: 10%;"></div>
2017	271/293	Q4	7.68	<div style="width: 10%;"></div>
2016	271/290	Q4	6.72	<div style="width: 10%;"></div>
2015	277/289	Q4	4.33	<div style="width: 10%;"></div>
2014	282/290	Q4	2.93	<div style="width: 10%;"></div>
2013	280/291	Q4	3.95	<div style="width: 10%;"></div>
2012	278/290	Q4	4.31	<div style="width: 10%;"></div>
2011	277/290	Q4	4.66	<div style="width: 10%;"></div>
2010	272/286	Q4	5.07	<div style="width: 10%;"></div>
2009	267/283	Q4	5.83	<div style="width: 10%;"></div>
2008	257/275	Q4	6.73	<div style="width: 10%;"></div>
2007	249/263	Q4	5.51	<div style="width: 10%;"></div>

## EDITION

Science Citation Index Expanded (SCIE)

## CATEGORY

BIOPHYSICS

**64/70**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	64/70	Q4	9.3	
2021	65/72	Q4	10.42	
2020	65/71	Q4	9.15	
2019	62/71	Q4	13.38	
2018	62/73	Q4	15.75	
2017	64/72	Q4	11.81	
2016	69/73	Q4	6.16	
2015	69/72	Q4	4.86	
2014	70/73	Q4	4.79	
2013	71/74	Q4	4.73	
2012	68/72	Q4	6.25	
2011	67/74	Q4	10.14	
2010	66/73	Q4	10.27	
2009	69/74	Q4	7.43	
2008	64/71	Q4	10.56	
2007	60/69	Q4	13.77	

## EDITION

Science Citation Index Expanded (SCIE)

## CATEGORY

CRYSTALLOGRAPHY

**21/26**

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	21/26	Q4	21.2	
2021	21/26	Q4	21.15	
2020	20/25	Q4	22.00	
2019	21/26	Q4	21.15	
2018	17/26	Q3	36.54	
2017	21/26	Q4	21.15	
2016	21/26	Q4	21.15	
2015	20/26	Q4	25.00	
2014	17/23	Q3	28.26	
2013	17/23	Q3	28.26	
2012	17/23	Q3	28.26	
2011	21/25	Q4	18.00	
2010	22/25	Q4	14.00	
2009	21/25	Q4	18.00	
2008	19/25	Q4	26.00	
2007	20/25	Q4	22.00	

## 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

#### BIOCHEMICAL RESEARCH METHODS

**81/83**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	81/83	Q4	3.01	
2021	79/84	Q4	6.55	
2020	76/82	Q4	7.93	
2019	75/82	Q4	9.15	
2018	73/82	Q4	11.59	
2017	71/79	Q4	10.76	

### CATEGORY

#### BIOCHEMISTRY & MOLECULAR BIOLOGY

**282/315**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	282/315	Q4	10.63	
2021	289/322	Q4	10.40	
2020	274/311	Q4	12.06	
2019	264/310	Q4	15.00	
2018	256/308	Q4	17.05	
2017	259/306	Q4	15.52	

### CATEGORY

#### BIOPHYSICS

**66/74**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	66/74	Q4	11.49	
2021	66/76	Q4	13.82	
2020	64/74	Q4	14.19	
2019	61/74	Q4	18.24	
2018	59/73	Q4	19.86	
2017	62/73	Q4	15.75	

### CATEGORY

#### CRYSTALLOGRAPHY

**25/33**

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	25/33	Q4	25.76	
2021	25/33	Q4	25.76	
2020	22/33	Q3	34.85	
2019	22/33	Q3	34.85	
2018	21/32	Q3	35.94	
2017	21/31	Q3	33.87	

# Citation network

## Cited Half-life

8.8 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

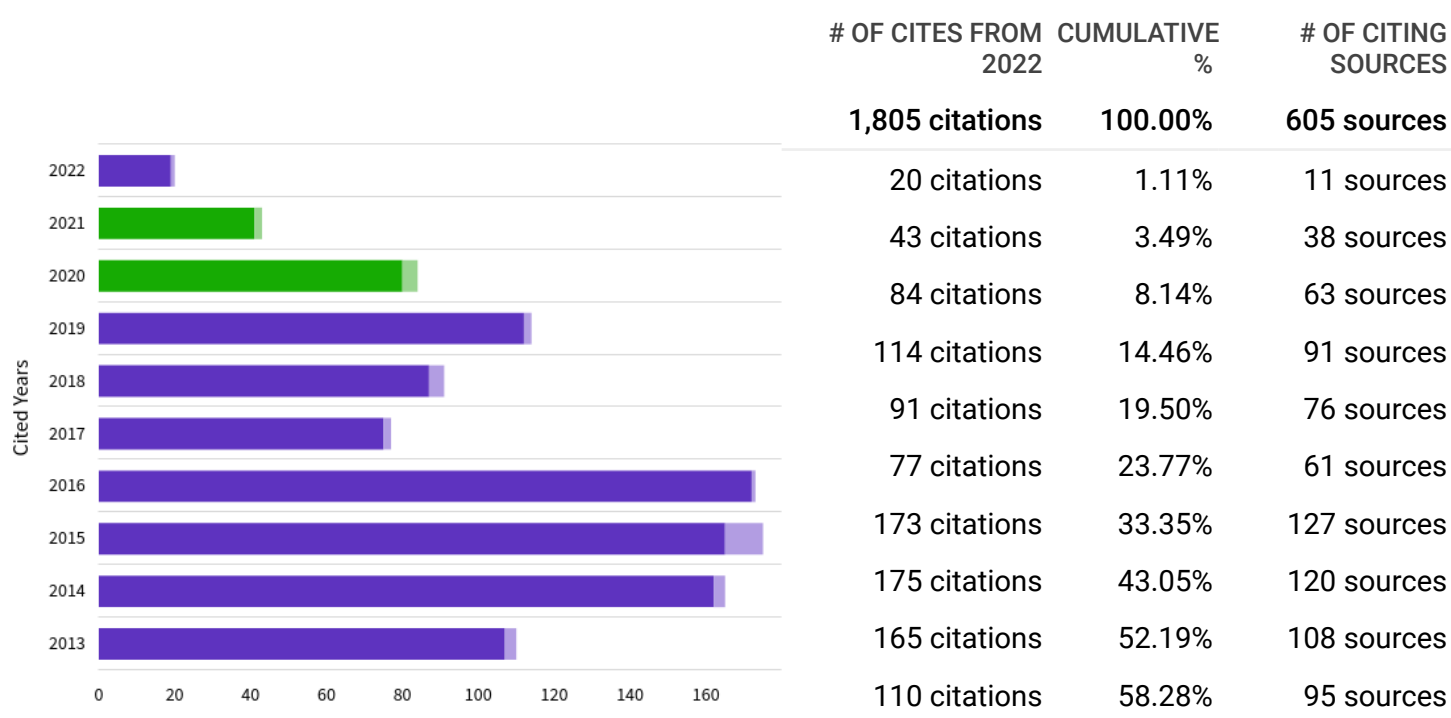
1,805

NON-SELF CITATIONS

1,747

SELF CITATIONS

58



Previous years:  
753 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

### Acta Crystallographica Section F-Structural Biology Communications

	SOURCE NAME	COUNT
	All Others	339
1	Acta Crystallographica Section F-Structural Biology Communications	58
2	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	56
3	JOURNAL OF BIOLOGICAL CHEMISTRY	35
4	MOLECULES	35
5	Acta Crystallographica Section D-Structural Biology	29
6	Frontiers in Molecular Biosciences	27
7	Scientific Reports	25
8	Nature Communications	24
9	Frontiers in Microbiology	22
10	Crystals	21
11	International Journal of Biological Macromolecules	18
12	JOURNAL OF BIOMOLECULAR STRUCTURE & DYNAMICS	17
13	JOURNAL OF MEDICINAL CHEMISTRY	17
14	NUCLEIC ACIDS RESEARCH	17
15	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	17
16	Frontiers in Plant Science	15
17	PROTEIN SCIENCE	15
18	ACS Omega	14
19	Antioxidants	13
20	Biomolecules	13

Showing 1 - 20 rows of 261 total (use export in the relevant section to download the full table)

# Citing Half-life

## 11.9 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

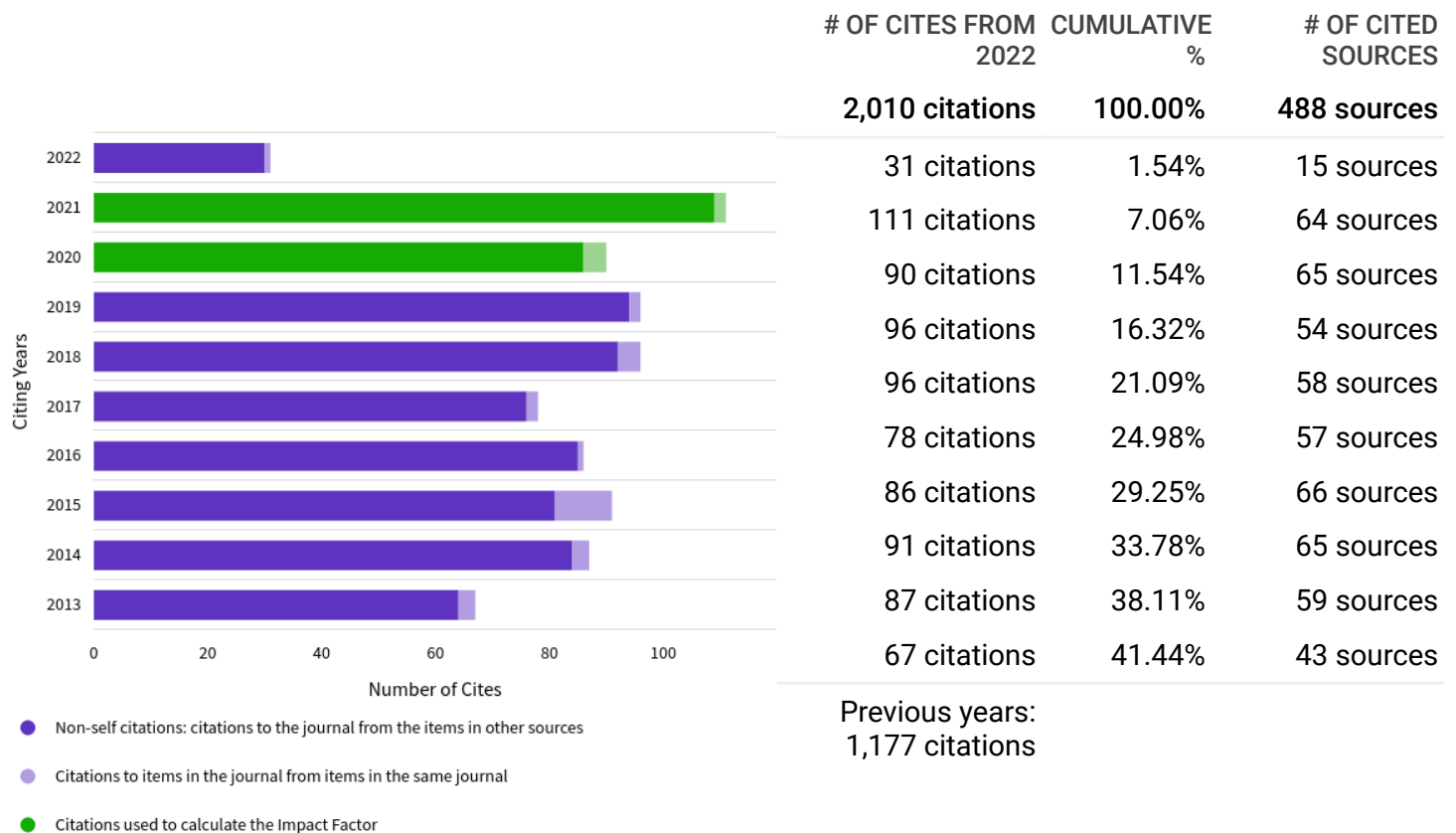
2,010

NON-SELF CITATIONS

1,952

SELF CITATIONS

58



## Cited titles in all years

Acta Crystallographica Section F-Structural Biology Communications

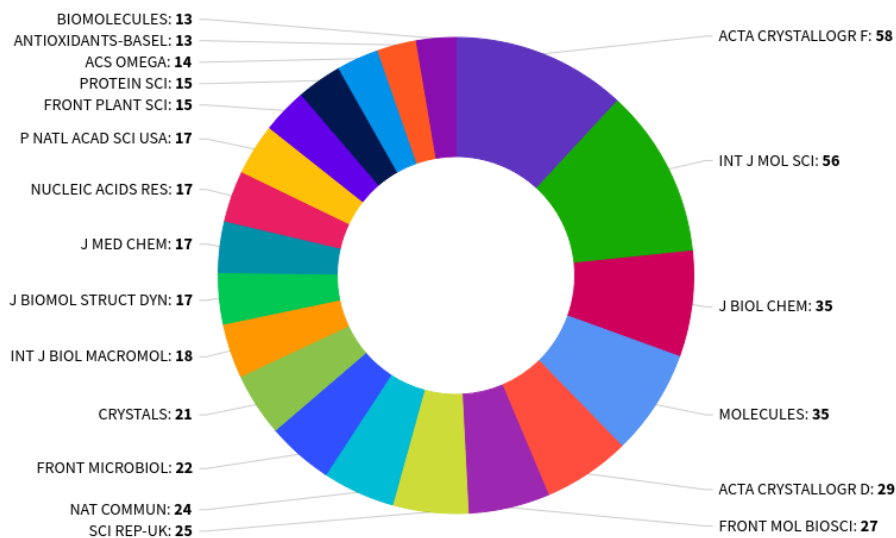
	SOURCE NAME	COUNT
	All Others	305
1	Acta Crystallographica Section D-Structural Biology	334
2	JOURNAL OF BIOLOGICAL CHEMISTRY	76
3	BIOCHEMISTRY	68
4	NUCLEIC ACIDS RESEARCH	59
5	Acta Crystallographica Section F-Structural Biology Communications	58
6	JOURNAL OF MOLECULAR BIOLOGY	56
7	JOURNAL OF APPLIED CRYSTALLOGRAPHY	54
8	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	43
9	PROTEIN SCIENCE	40
10	NATURE	29
11	Nature Communications	24
12	JOURNAL OF STRUCTURAL BIOLOGY	20
13	JOURNAL OF BACTERIOLOGY	18
14	BIOCHEMICAL JOURNAL	17
15	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	16
16	JOURNAL OF SYNCHROTRON RADIATION	16
17	NATURE STRUCTURAL & MOLECULAR BIOLOGY	16
18	PLoS One	16
19	Scientific Reports	16
20	FEBS Journal	15

Showing 1 - 20 rows of 159 total (use export in the relevant section to download the full table)

# Journal Citation Relationships

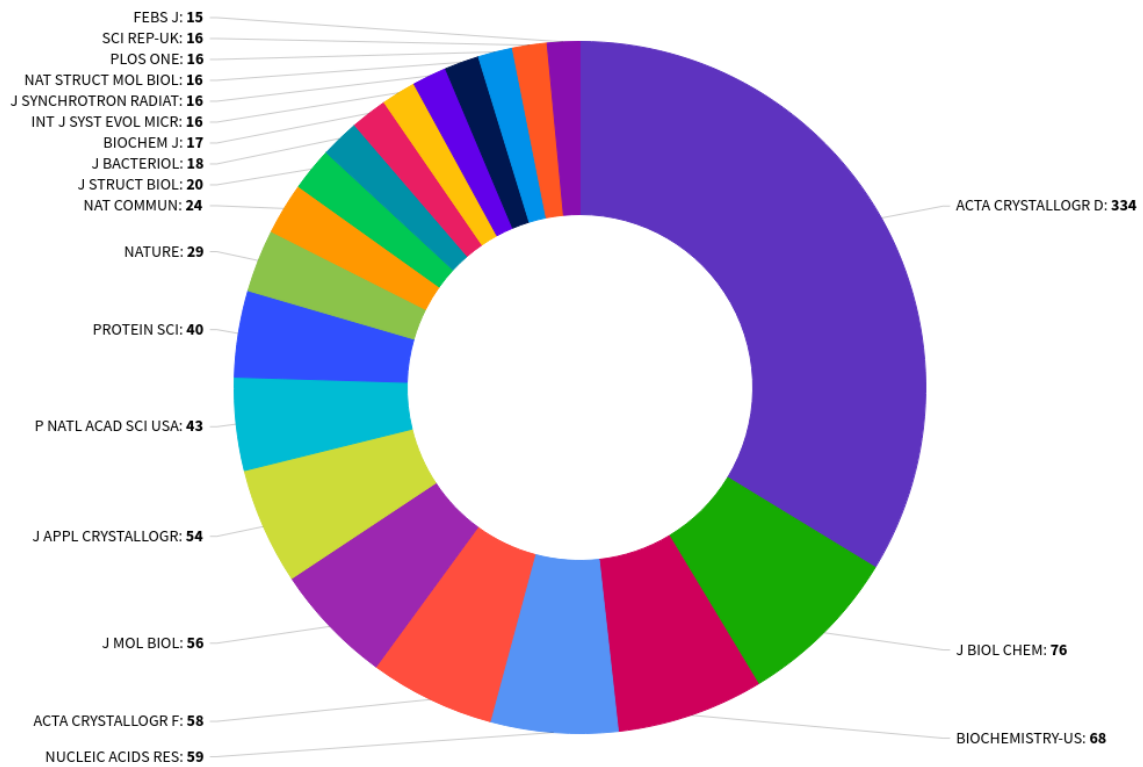
## Cited Data

Top 20 journals citing ACTA CRYSTALLOGR F by number of citations



# Citing Data

## Top 20 journals cited by ACTA CRYSTALLOGR F 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](#)

### 51 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2022 (A)	50	1	51	3	94%
NUMBER OF REFERENCES (B)	1,879	112	1,991	19	99%
RATIO (B/A)	37.6	112.0	39.0	6.3	

# 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

**9.0**

EDITION

Science Citation Index Expanded

CRYSTALLOGRAPHY

**21.2**

BIOCHEMICAL RESEARCH METHODS

**1.9**

BIOCHEMISTRY & MOLECULAR  
BIOLOGY









**3.7**

BIOPHYSICS

**9.3**

# 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	CHINESE ACADEMY OF SCIENCES	10	
2	SEATTLE STRUCT GENOM CTR INFECT DIS SSGCID	9	
3	HAMPTON UNIVERSITY	8	
-	UNITED STATES DEPARTMENT OF ENERGY (DOE)	8	
5	DEPARTMENT OF BIOTECHNOLOGY (DBT) INDIA	6	
-	HELMHOLTZ ASSOCIATION	6	
-	OSAKA UNIVERSITY	6	
-	SEATTLE CHILDREN'S HOSPITAL	6	

Showing 1 - 8 rows of 308 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	55	
2	England	32	
-	Japan	32	
4	CHINA MAINLAND	21	
5	GERMANY (FED REP GER)	20	
6	India	15	
7	Australia	10	
8	Italy	6	

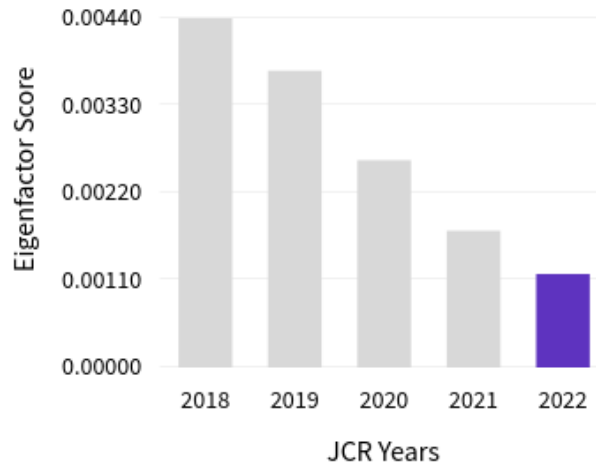
Showing 1 - 8 rows of 41 total (use export in the relevant section to download the full table)

# Additional metrics

## Eigenfactor score

**0.00118**

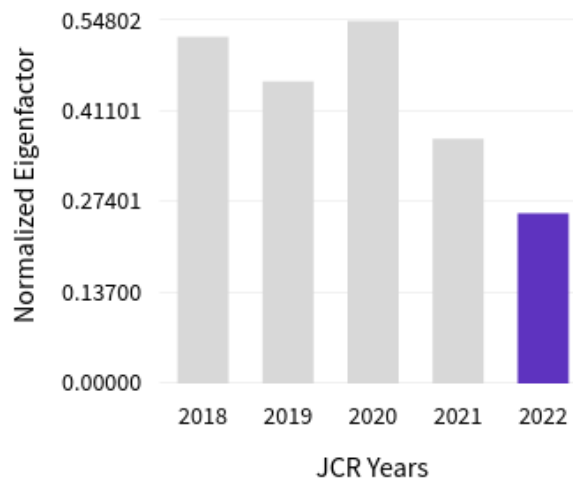
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



## Normalized Eigenfactor

**0.25761**

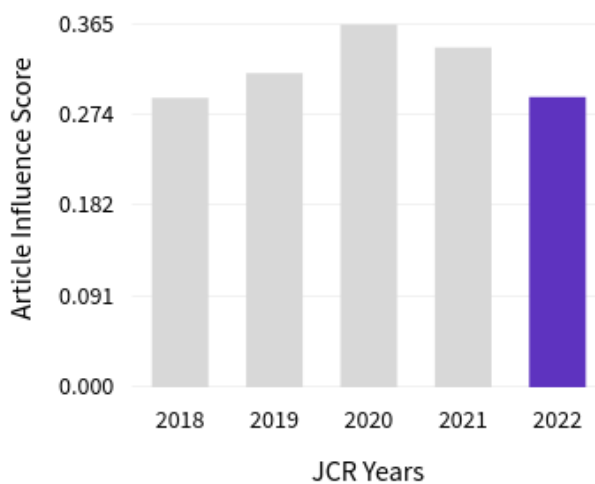
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



## Article influence score

**0.292**

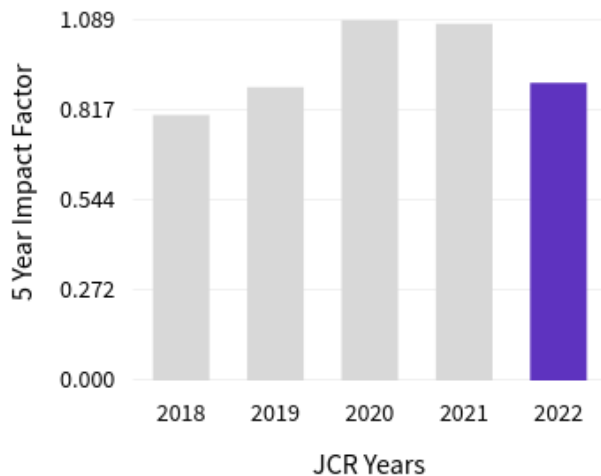
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.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

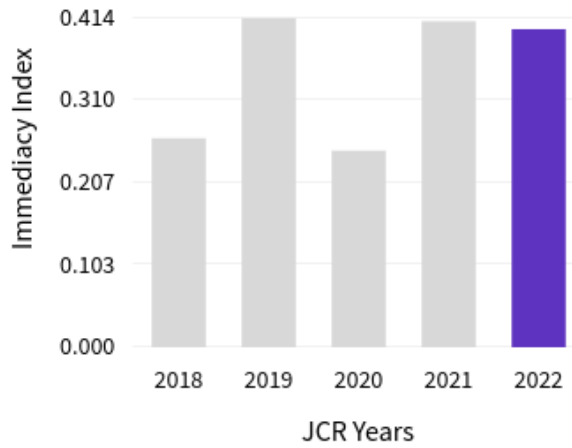
Citations in 2022 to items published in [2017-2021] (409)	=	409	=	0.9
Number of citable items in [2017-2021] (462)		462		

# Immediacy Index

0.4

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	20	
<hr/>		20 / 51 = 0.4
Number of items published in 2022	51	