

2022 Journal Performance Data for: ACTA CRYSTALLOGRAPHICA SECTION C- STRUCTURAL CHEMISTRY

ISSN

2053-2296

EISSN

2053-2296

JCR ABBREVIATION

ACTA CRYSTALLOGR C

ISO ABBREVIATION

Acta Crystallogr. Sect. C-Struct.
Chem.

Journal Information

EDITION

Science Citation Index
Expanded (SCIE)

CATEGORY

CHEMISTRY,
MULTIDISCIPLINARY - SCIE
CRYSTALLOGRAPHY - SCIE

LANGUAGES

English

REGION

ENGLAND

1ST ELECTRONIC JCR YEAR

1997

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](#)

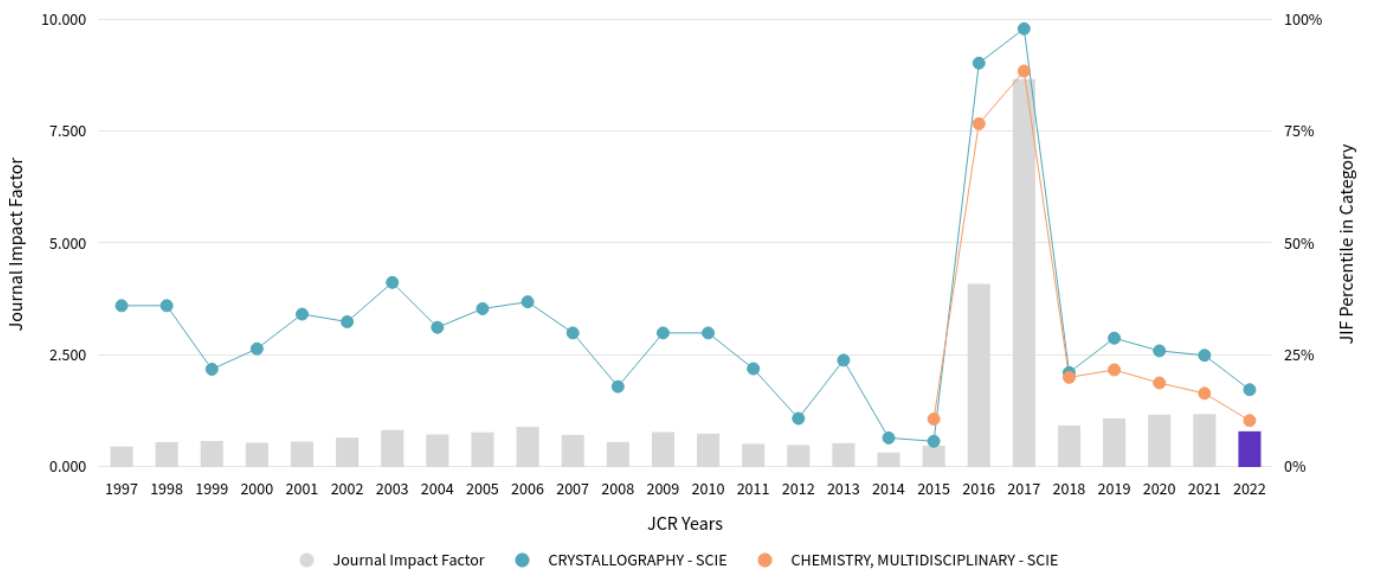
2022 JOURNAL IMPACT FACTOR

0.8

2022 JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

0.7

Journal Impact Factor Trend 2022



Journal Impact Factor is calculated using the following metrics

$$\frac{\text{Citations in 2022 to items published in 2020 (114) - 2021 (73)}}{\text{Number of citable items in 2020 (137) + 2021 (101)}} = \frac{187}{238} = 0.8$$

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

$$\frac{\text{Citations in 2022 to items published in 2020 (114) + 2021 (73) - Self Citations in 2022 to items published in 2020 (7) + 2021 (8)}}{\text{Number of citable items in 2020 (137) + 2021 (101)}} = \frac{187 - 15}{238} = 0.7$$

Journal Impact Factor Contributing Items

Citable Items (238)

TITLE	CITATION COUNT
First COVID-19 molecular docking with a chalcone-based compound: synthesis, single-crystal structure and Hirshfeld surface analysis study Authors: Alsafi, Mona A.;Hughes, David L.;Said, Musa A. Volume: 76 Accession number: WOS:000605194100001 Document Type: Article	12
The effect of cation-pi interactions on the stability and electronic properties of anticancer drug Altretamine: a theoretical study Authors: Alirezapour, Fahimeh;Khanmohammadi, Azadeh Volume: 76 Accession number: WOS:000581053200006 Document Type: Article	6
Synthesis, structural characterization, and electronic structure of the novel Zintl phase Ba ₂ ZnP ₂ Authors: Balvanz, Adam;Baranets, Sviatoslav;Bobev, Svilen Volume: 76 Accession number: WOS:000581051900005 Document Type: Article	5
The reaction of thiourea and 1,3-dimethylthiourea towards organoiodines: oxidative bond formation and halogen bonding Authors: Peloquin, Andrew J.;Ragusa, Arianna C.;McMillen, Colin D.;Pennington, William T. Volume: 77 Accession number: WOS:000705077900003 Document Type: Article	5
A novel three-dimensional zinc(II) coordination polymer based on 3,3'-[1,3-phenylene-bis(methylene)]bis(oxy)dibenzoic acid and 1,4-bis(pyridin-4-yl)benzene: synthesis, crystal structure and photocatalytic properties Authors: Xue, Yun-shan;Cheng, Wei-Wei;Chen, Zhuo-lin;Kong, Weili;Zhang, Jun Volume: 76 Accession number: WOS:000525346700006 Document Type: Article	4

Showing 1-5 rows of 238 total (use export in the relevant section to download the full table)

Journal Impact Factor Contributing Items

Citing Sources (89)

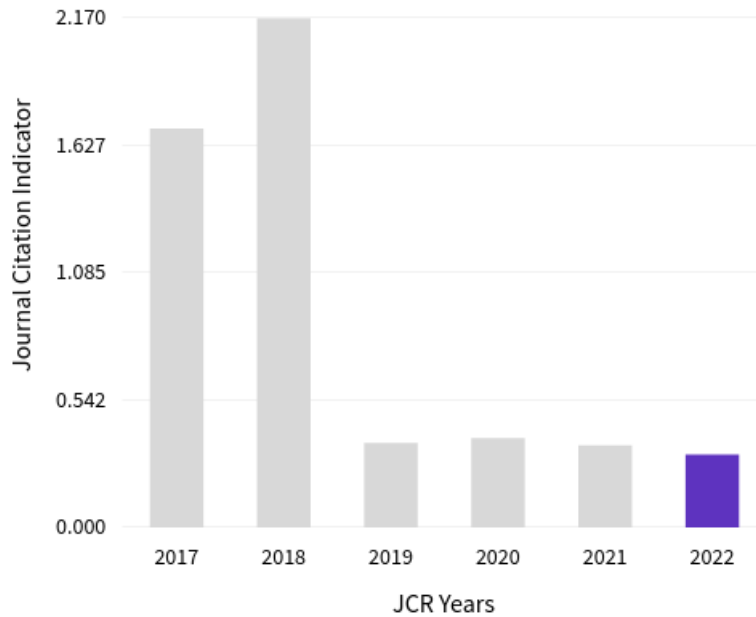
SOURCE NAME	COUNT
ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	15
CRYSTENGGCOMM	13
DALTON TRANSACTIONS	10
MOLECULES	8
ACTA CRYSTALLOGRAPHICA SECTION E-CRYSTALLOGRAPHIC COMMUNICATIONS	7
JOURNAL OF MOLECULAR STRUCTURE	7
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES	6
CRYSTAL GROWTH & DESIGN	5
JOURNAL OF CHEMICAL CRYSTALLOGRAPHY	5
ACTA CRYSTALLOGRAPHICA SECTION B-STRUCTURAL SCIENCE CRYSTAL ENGINEERING AND MATERIALS	4
CRYSTALS	4
NEW JOURNAL OF CHEMISTRY	4
ACS OMEGA	3
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	3
MONATSHEFTE FUR CHEMIE	3
POLYHEDRON	3
ZEITSCHRIFT FUR KRISTALLOGRAPHIE-CRYSTALLINE MATERIALS	3
CHEMISTRY OF MATERIALS	2
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH	2
EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	2

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

Journal Citation Indicator (JCI)

0.31

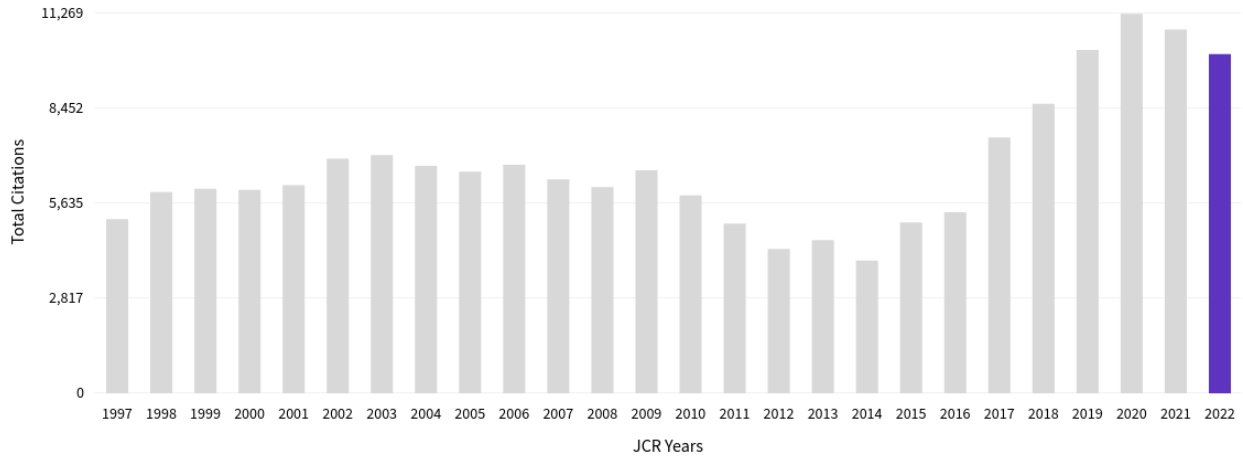
The Journal Citation Indicator (JCI) is the average Category Normalized Citation Impact (CNCI) of citable items (articles & reviews) published by a journal over a recent three year period. The average JCI in a category is 1. Journals with a JCI of 1.5 have 50% more citation impact than the average in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



Total Citations

10,071

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

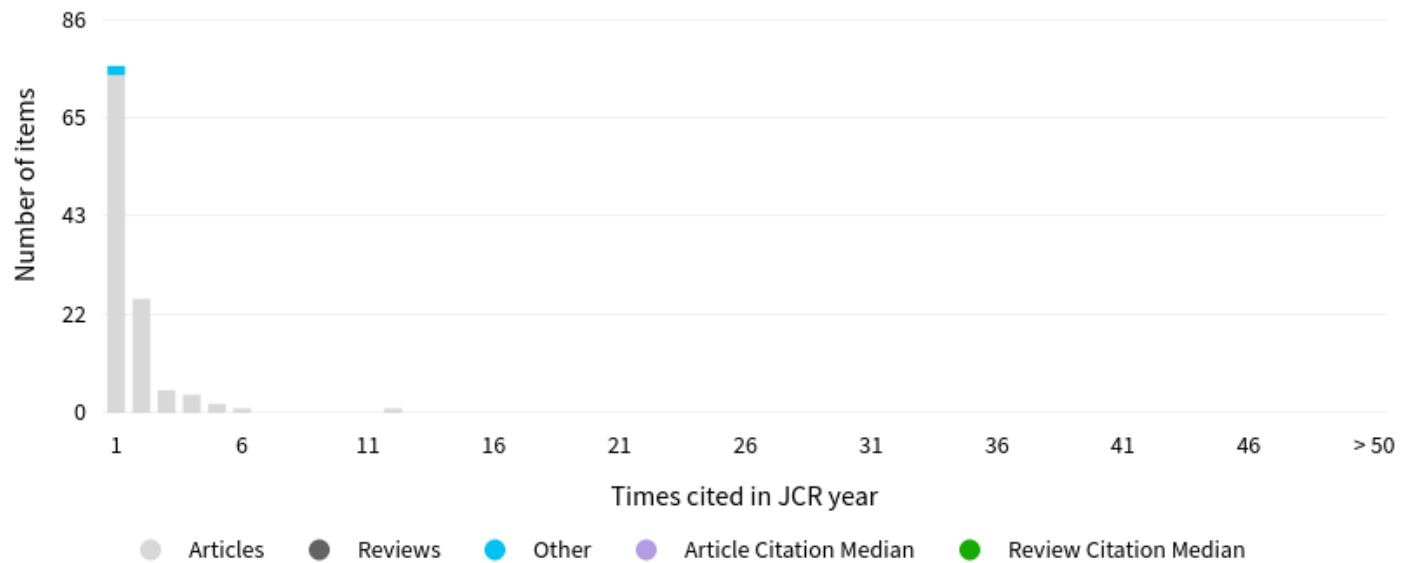
0

REVIEW CITATION MEDIAN

N/A

UNLINKED CITATIONS

2



0 times cited

ARTICLES

126

REVIEWS

0

OTHER

8

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

331

% OF CITABLE OA

17.22%

CITABLE

● GOLD OPEN ACCESS

57 / 16.57%

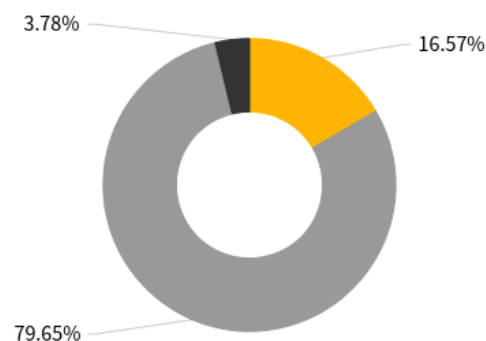
● SUBSCRIPTION OR BRONZE

274 / 79.65%

NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

13 / 3.78%



Citations*

TOTAL CITABLE

210

% OF CITABLE OA

18.10%

CITABLE

● GOLD OPEN ACCESS

38 / 17.67%

● SUBSCRIPTION OR BRONZE

172 / 80.00%

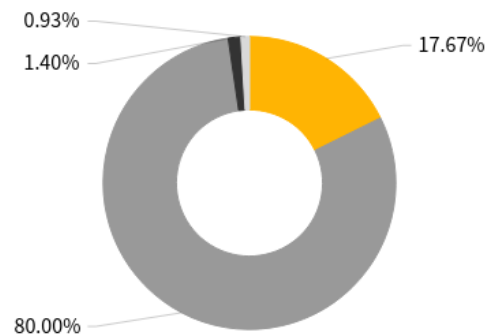
NON-CITABLE

● OTHER (NON-CITABLE ITEMS)

3 / 1.40%

● UNLINKED CITATIONS

2 / 0.93%



* 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

CHEMISTRY, MULTIDISCIPLINARY

160/178

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	160/178	Q4	10.4	
2021	150/179	Q4	16.48	
2020	145/178	Q4	18.82	
2019	139/177	Q4	21.75	
2018	138/172	Q4	20.06	
2017	20/171	Q1	88.60	
2016	39/166	Q1	76.81	
2015	146/163	Q4	10.74	
2014	N/A	N/A	N/A	
2013	N/A	N/A	N/A	
2012	N/A	N/A	N/A	
2011	N/A	N/A	N/A	
2010	N/A	N/A	N/A	
2009	N/A	N/A	N/A	
2008	N/A	N/A	N/A	
2007	N/A	N/A	N/A	
2006	N/A	N/A	N/A	
2005	N/A	N/A	N/A	
2004	N/A	N/A	N/A	
2003	N/A	N/A	N/A	
2002	N/A	N/A	N/A	
2001	N/A	N/A	N/A	
2000	N/A	N/A	N/A	
1999	N/A	N/A	N/A	
1998	N/A	N/A	N/A	
1997	N/A	N/A	N/A	

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

CRYSTALLOGRAPHY

22/26

JCR YEAR	JIF RANK	QUART ILE	JIF PERCENTILE	
2022	22/26	Q4	17.3	
2021	20/26	Q4	25.00	
2020	19/25	Q4	26.00	
2019	19/26	Q3	28.85	
2018	21/26	Q4	21.15	
2017	1/26	Q1	98.08	
2016	3/26	Q1	90.38	
2015	25/26	Q4	5.77	
2014	22/23	Q4	6.52	
2013	18/23	Q4	23.91	
2012	21/23	Q4	10.87	
2011	20/25	Q4	22.00	
2010	18/25	Q3	30.00	
2009	18/25	Q3	30.00	
2008	21/25	Q4	18.00	
2007	18/25	Q3	30.00	
2006	15/23	Q3	36.96	
2005	16/24	Q3	35.42	
2004	17/24	Q3	31.25	
2003	14/23	Q3	41.30	
2002	14/20	Q3	32.50	
2001	13/19	Q3	34.21	
2000	13/17	Q4	26.47	
1999	13/16	Q4	21.88	
1998	12/18	Q3	36.11	
1997	12/18	Q3	36.11	

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

CHEMISTRY, MULTIDISCIPLINARY

142/230

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	142/230	Q3	38.48	
2021	125/224	Q3	44.42	
2020	112/219	Q3	49.09	
2019	107/215	Q2	50.47	
2018	16/212	Q1	92.69	
2017	23/205	Q1	89.02	

CATEGORY

CRYSTALLOGRAPHY

24/33

JCR YEAR	JCI RANK	QUART ILE	JCI PERCENTILE	
2022	24/33	Q3	28.79	
2021	23/33	Q3	31.82	
2020	21/33	Q3	37.88	
2019	20/33	Q3	40.91	
2018	1/32	Q1	98.44	
2017	3/31	Q1	91.94	

Citation network

Cited Half-life

7.7 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

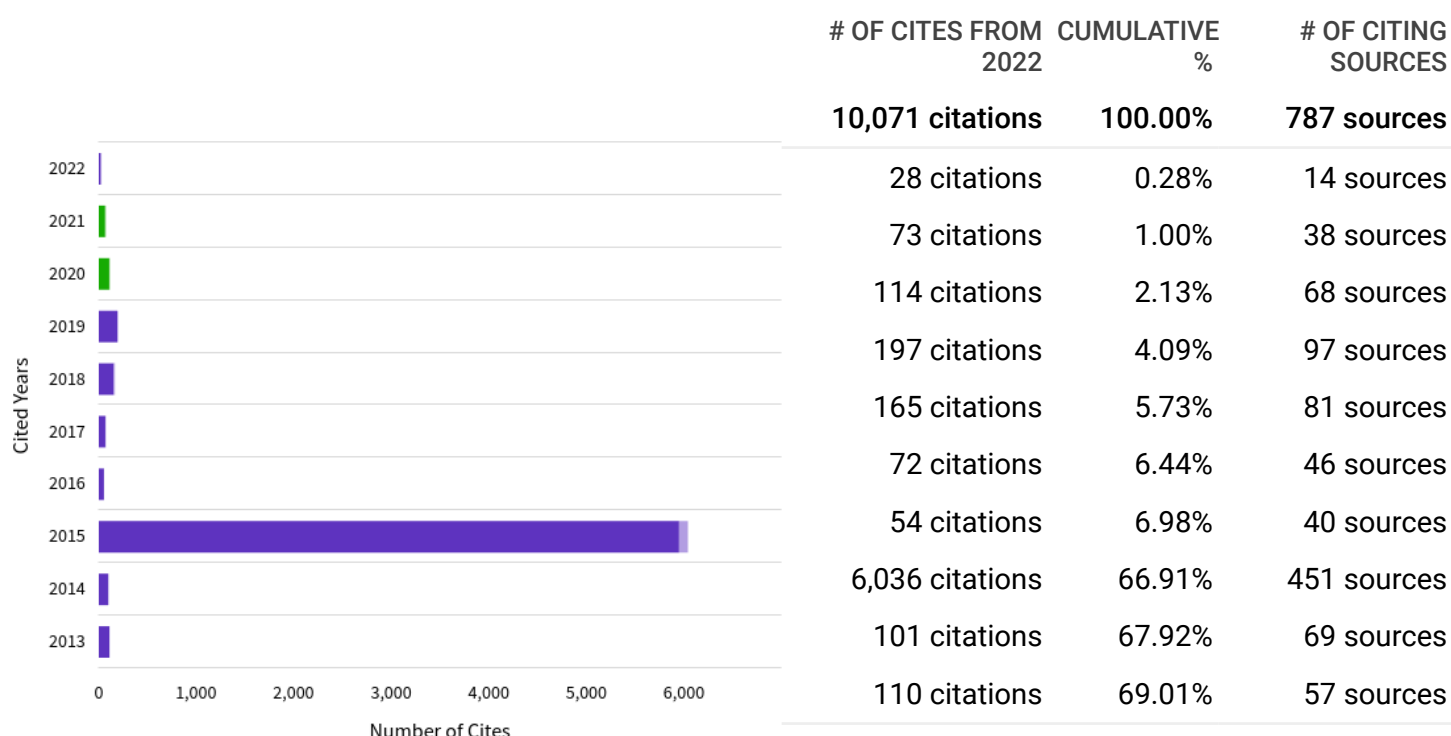
10,071

NON-SELF CITATIONS

9,904

SELF CITATIONS

167



Previous years:
3,121 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 C-STRUCTURAL CHEMISTRY

	SOURCE NAME	COUNT
	All Others	311
1	Journal of Molecular Structure	572
2	INORGANIC CHEMISTRY	487
3	DALTON TRANSACTIONS	484
4	ZEITSCHRIFT FUR KRISTALLOGRAPHIE-NEW CRYSTAL STRUCTURES	370
5	ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE	369
6	MOLECULES	307
7	CRYSTENGGCOMM	304
8	POLYHEDRON	259
9	CRYSTAL GROWTH & DESIGN	239
10	NEW JOURNAL OF CHEMISTRY	194
11	INORGANICA CHIMICA ACTA	182
12	ZEITSCHRIFT FUR ANORGANISCHE UND ALLGEMEINE CHEMIE	179
13	EUROPEAN JOURNAL OF INORGANIC CHEMISTRY	175
14	ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	167
15	Crystals	143
16	CHEMISTRY-A EUROPEAN JOURNAL	139
17	JOURNAL OF SOLID STATE CHEMISTRY	138
18	JOURNAL OF COORDINATION CHEMISTRY	123
19	ORGANOMETALLICS	103
20	ACS Omega	91

Showing 1 - 20 rows of 470 total (use export in the relevant section to download the full table)

Citing Half-life

9.3 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

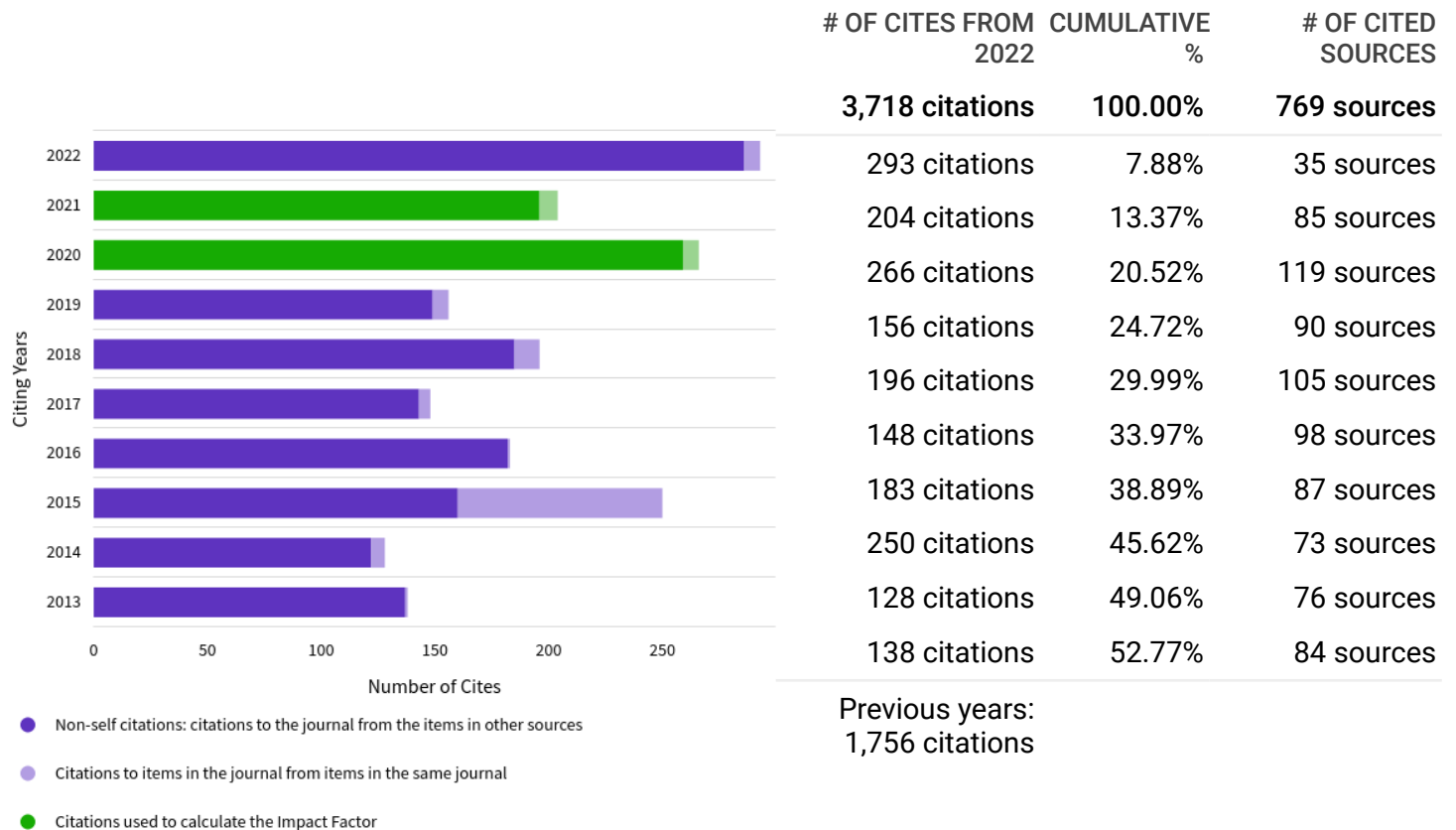
3,718

NON-SELF CITATIONS

3,551

SELF CITATIONS

167



Cited titles in all years

ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY

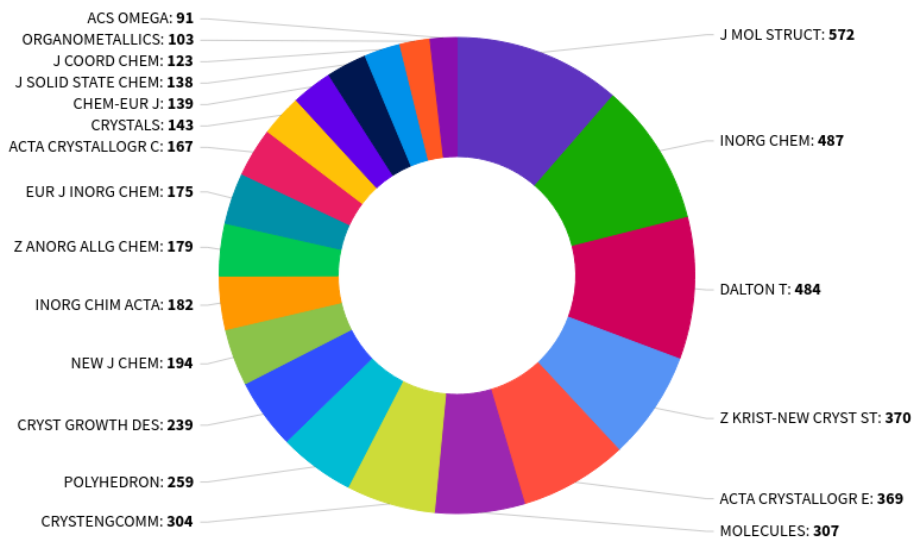
	SOURCE NAME	COUNT
	All Others	462
1	JOURNAL OF APPLIED CRYSTALLOGRAPHY	171
2	ACTA CRYSTALLOGRAPHICA SECTION C-STRUCTURAL CHEMISTRY	167
3	Acta Crystallographica Section B-Structural Science Crystal Engineering and Materials	127
4	CRYSTENGGCOMM	126
5	Acta Crystallographica A-Foundation and Advances	95
6	ANGEWANDTE CHEMIE-INTERNATIONAL EDITION	92
7	Journal of the American Chemical Society	92
8	INORGANIC CHEMISTRY	87
9	CRYSTAL GROWTH & DESIGN	79
10	CHEMICAL COMMUNICATIONS	68
11	DALTON TRANSACTIONS	67
12	ACTA CRYSTALLOGRAPHICA SECTION E-STRUCTURE REPORTS ONLINE	58
13	Journal of Molecular Structure	58
14	CHEMICAL REVIEWS	42
15	ACCOUNTS OF CHEMICAL RESEARCH	38
16	JOURNAL OF CHEMICAL PHYSICS	35
17	COORDINATION CHEMISTRY REVIEWS	33
18	EUROPEAN JOURNAL OF MEDICINAL CHEMISTRY	30
19	MOLECULES	28
20	CHEMISTRY-A EUROPEAN JOURNAL	27

Showing 1 - 20 rows of 241 total (use export in the relevant section to download the full table)

Journal Citation Relationships

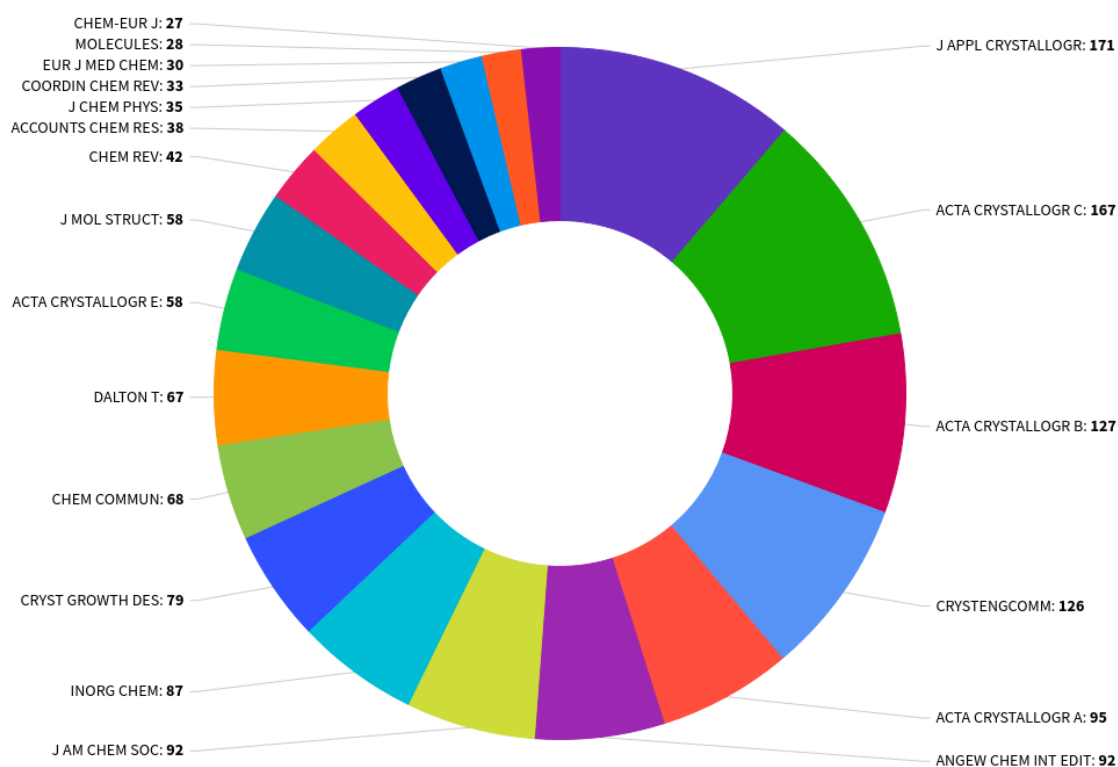
Cited Data

Top 20 journals citing ACTA CRYSTALLOGR C by number of citations



Citing Data

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

93 total citable items

	ARTICLES	REVIEWS	COMBINED (C)	OTHER DOCUMENT TYPES (O)	PERCENTAGE
NUMBER IN JCR YEAR 2022 (A)	93	0	93	3	97%
NUMBER OF REFERENCES (B)	3,691	0	3,691	27	99%
RATIO (B/A)	39.7	N/A	39.7	9.0	

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

13.9

EDITION

Science Citation Index Expanded

CHEMISTRY, MULTIDISCIPLINARY









10.4

CRYSTALLOGRAPHY

17.3

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	UNIVERSITY OF LODZ	11	
2	MINISTRY OF EDUCATION & SCIENCE OF UKRAINE	10	
-	RUSSIAN ACADEMY OF SCIENCES	10	
4	UNIVERSITY OF ST ANDREWS	8	
5	ADAM MICKIEWICZ UNIVERSITY	7	
-	JAGIELLONIAN UNIVERSITY	7	
-	UNIVERSIDAD DE JAEN	7	
-	UNIVERSITY OF NOTRE DAME	7	

Showing 1 - 8 rows of 399 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	CHINA MAINLAND	80	
2	USA	65	
3	Poland	45	
4	GERMANY (FED REP GER)	30	
5	India	24	
6	Russia	14	
7	England	13	
8	Japan	11	

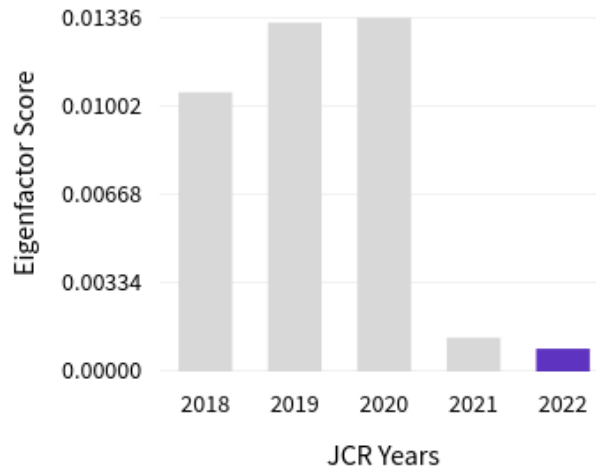
Showing 1 - 8 rows of 56 total (use export in the relevant section to download the full table)

Additional metrics

Eigenfactor score

0.00086

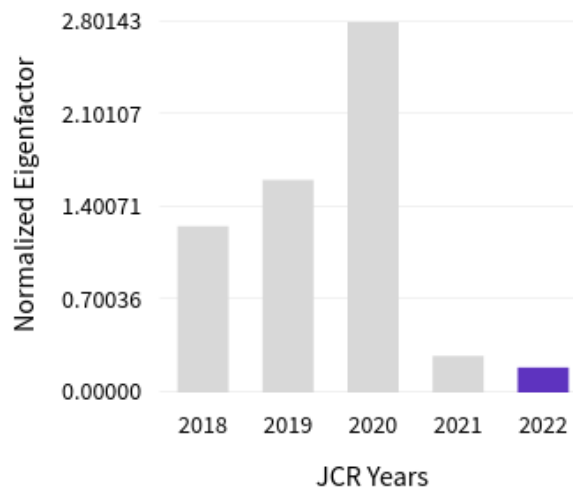
The Eigenfactor Score is a reflection of the density of the network of citations around the journal using 5 years of cited content as cited by the Current Year. It considers both the number of citations and the source of those citations, so that highly cited sources will influence the network more than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



Normalized Eigenfactor

0.18868

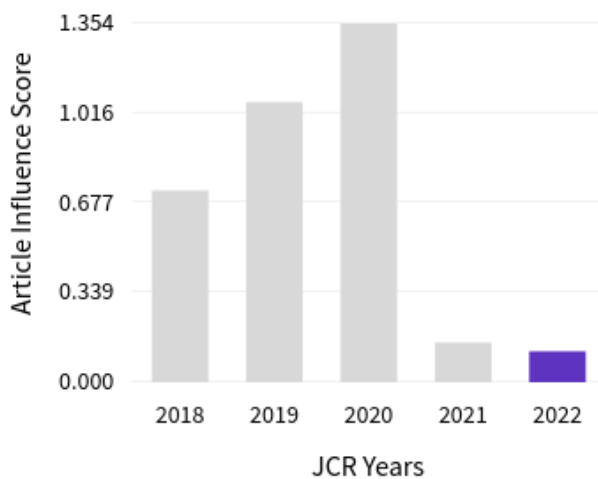
The Normalized Eigenfactor Score is the Eigenfactor score normalized, by rescaling the total number of journals in the JCR each year, so that the average journal has a score of 1. Journals can then be compared and influence measured by their score relative to 1. [Learn more](#)



Article influence score

0.117

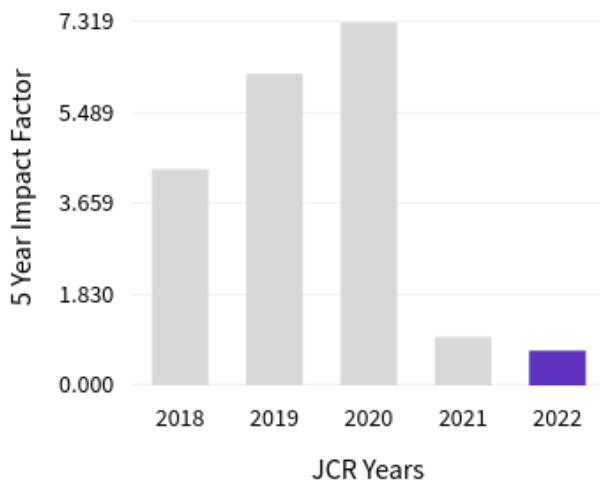
The Article Influence Score normalizes the Eigenfactor Score according to the cumulative size of the cited journal across the prior five years. The mean Article Influence Score for each article is 1.00. A score greater than 1.00 indicates that each article in the journal has above-average influence.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



5 year Impact Factor

0.7

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

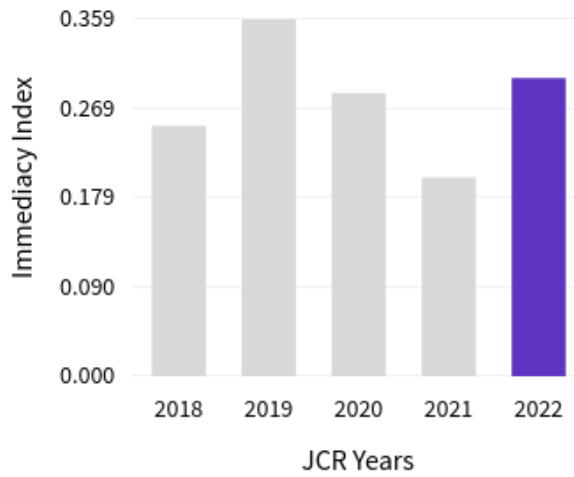
Citations in 2022 to items published in [2017-2021] (621)	=	621	=	0.7
Number of citable items in [2017-2021] (846)		846		

Immediacy Index

0.3

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	28	
<hr/>		28 / 93 = 0.3
Number of items published in 2022	93	