



Journal Citation Reports™

2023年度更新及数据解读

袁庆文

科睿唯安

Journal Citation Reports简介



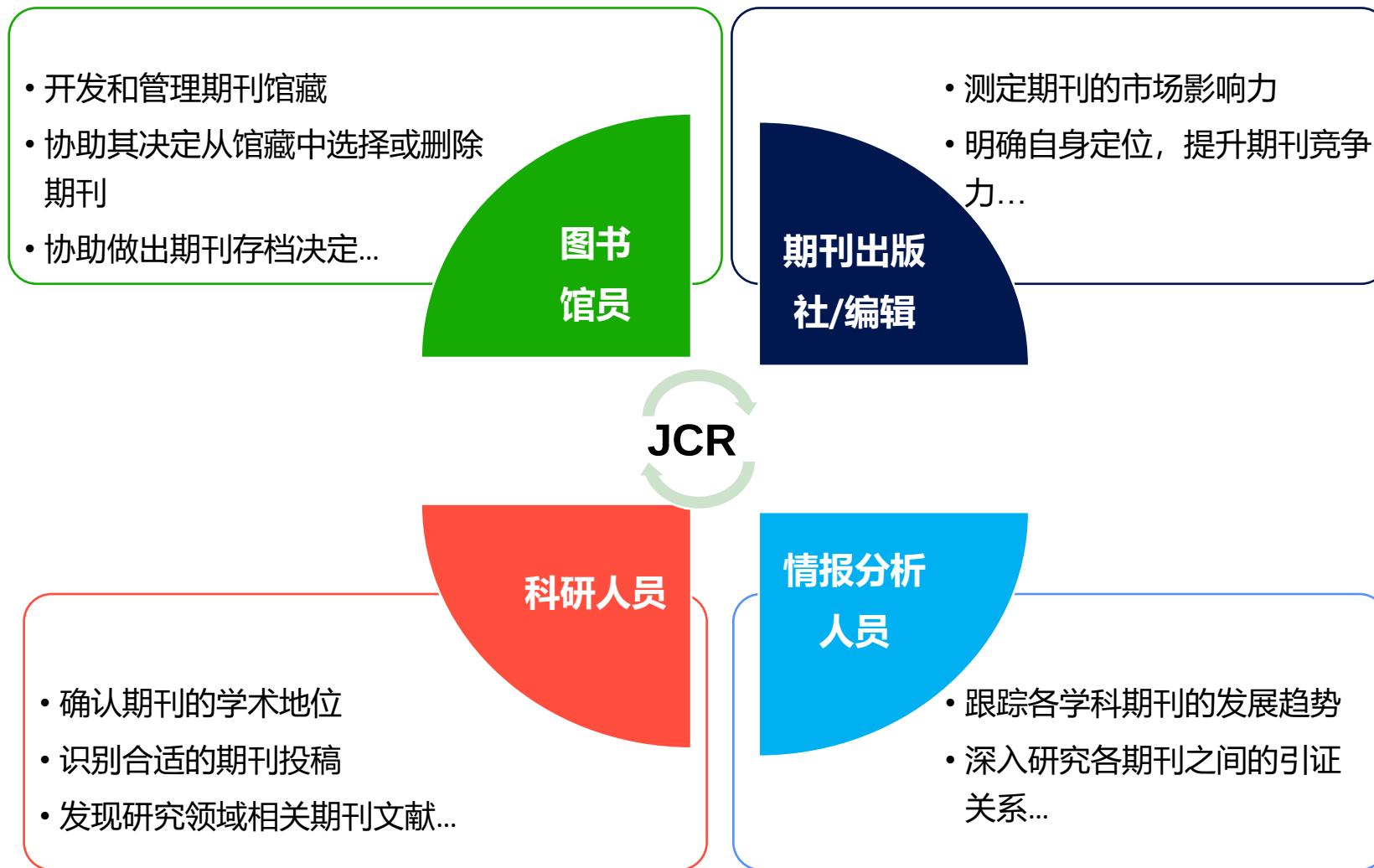
Journal Citation Reports™

期刊引证报告

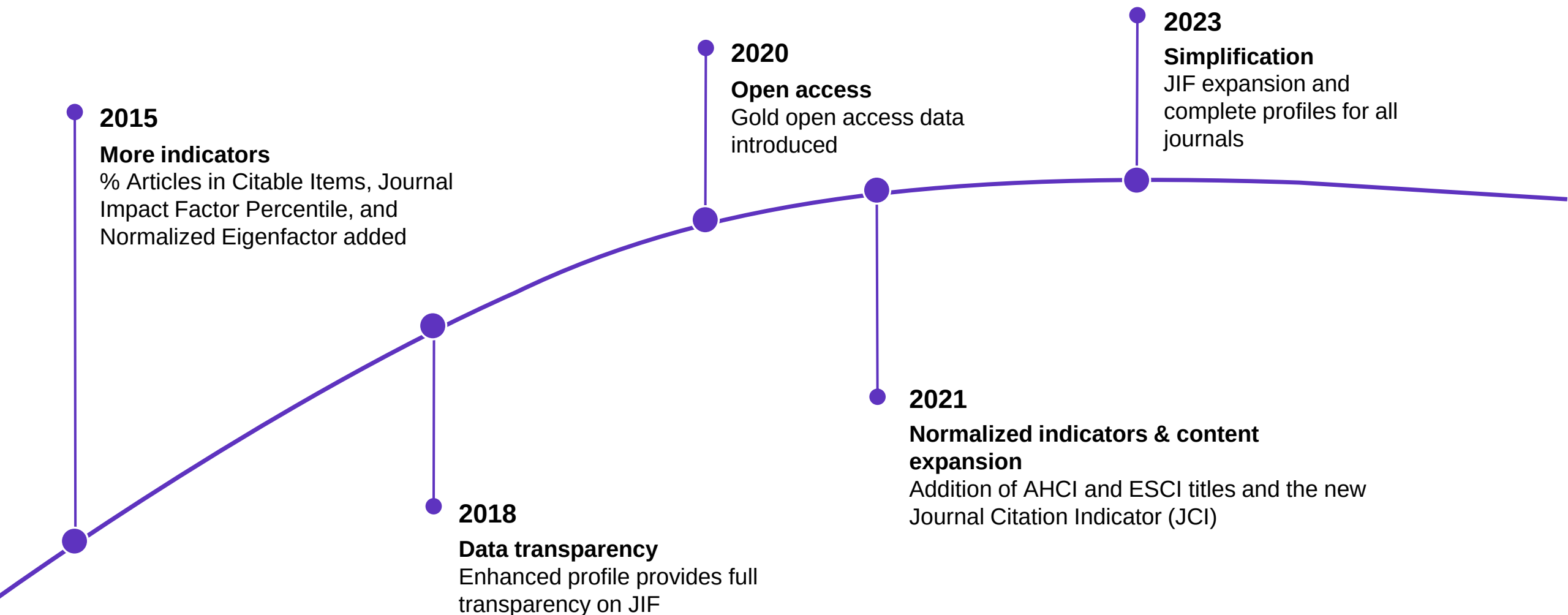
独特的多学科期刊评价工具

透明且出版商中立的学术期刊数据及指标

Journal Citation Reports应用价值



推动负责任的期刊评估 - 持续发展中的JCR



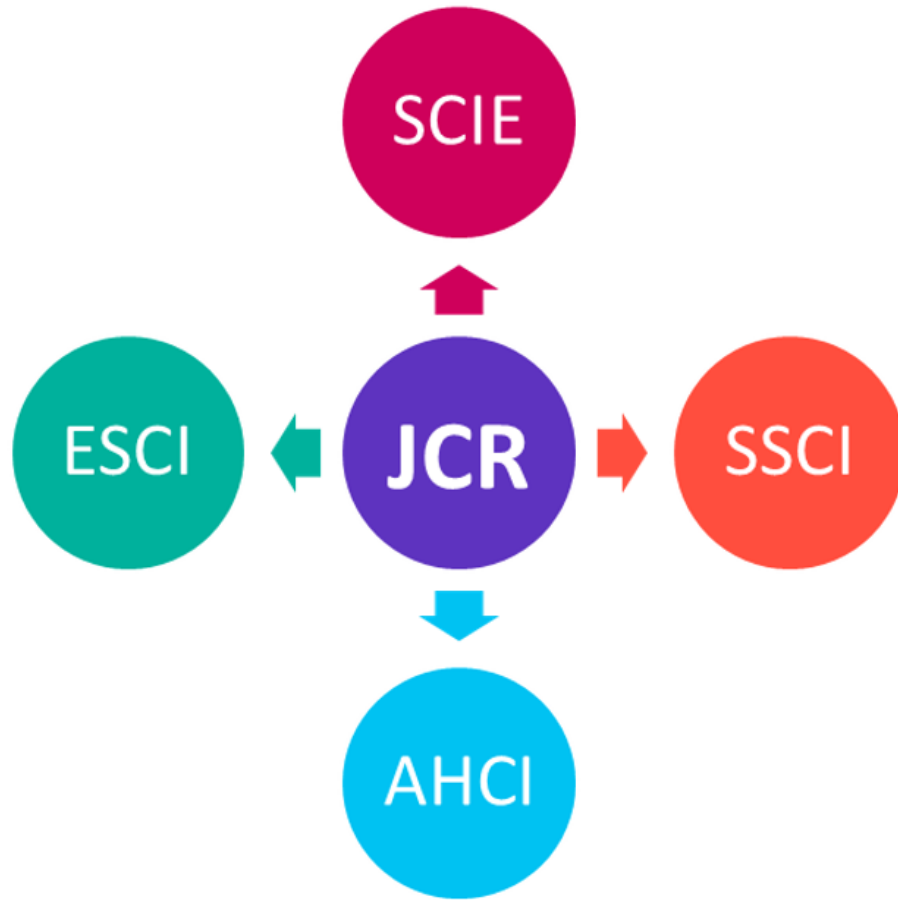
目录

1. 2023年度JCR更新简介
2. 期刊影响因子的合理使用
3. JCR助力全面了解期刊及其学术影响力

2023年度JCR更新简介

2023年度JCR

期刊影响因子扩展 - Web of Science核心合集收录的所有期刊都有资格获得期刊影响因子



AHCI 和 ESCI 期刊

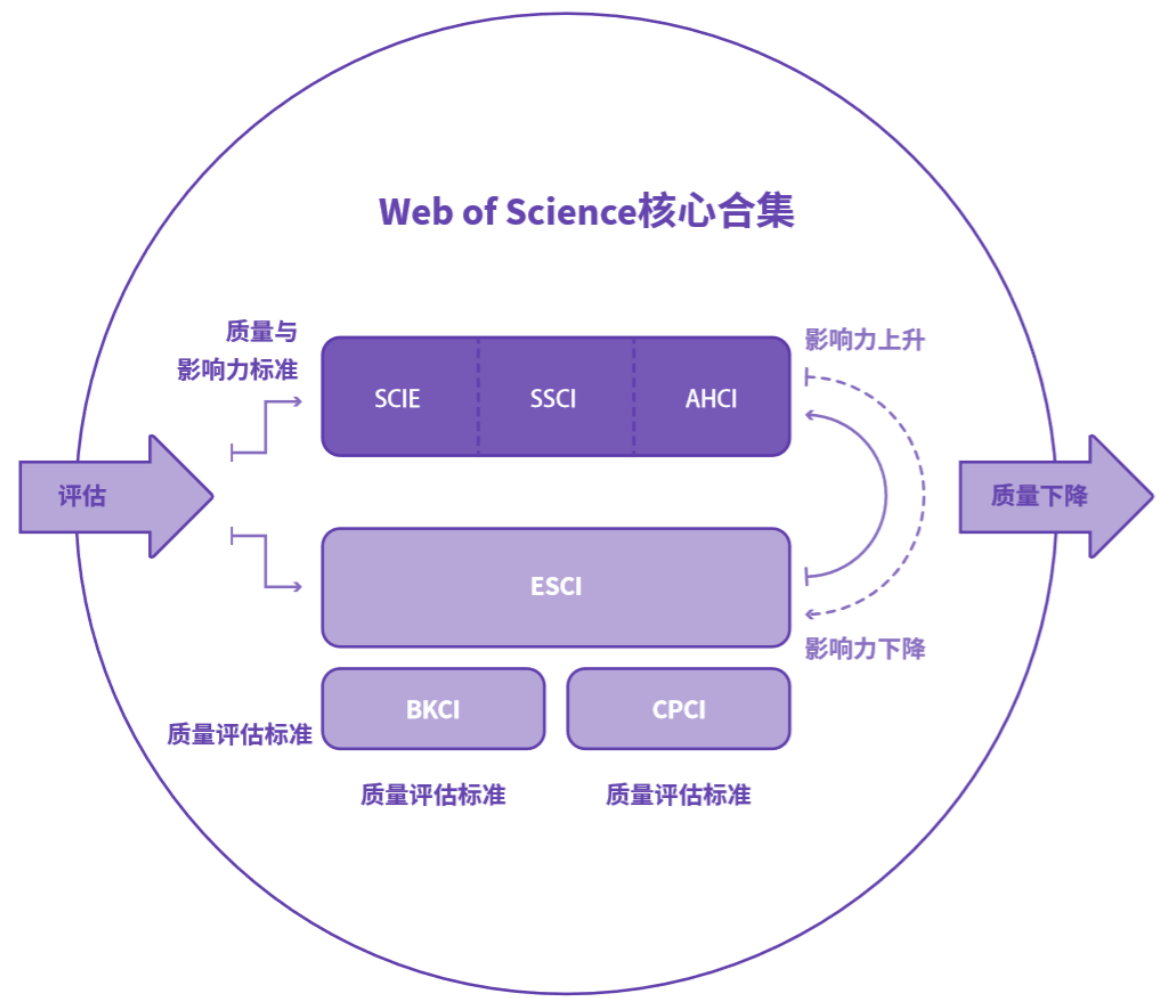
首次获得期刊影响因子

3000多家出版机构

9,136 种优质期刊首次获得期刊影响因子

Web of Science核心合集期刊遴选标准

通过严格的期刊质量评估标准的期刊才被Web of Science核心合集收录



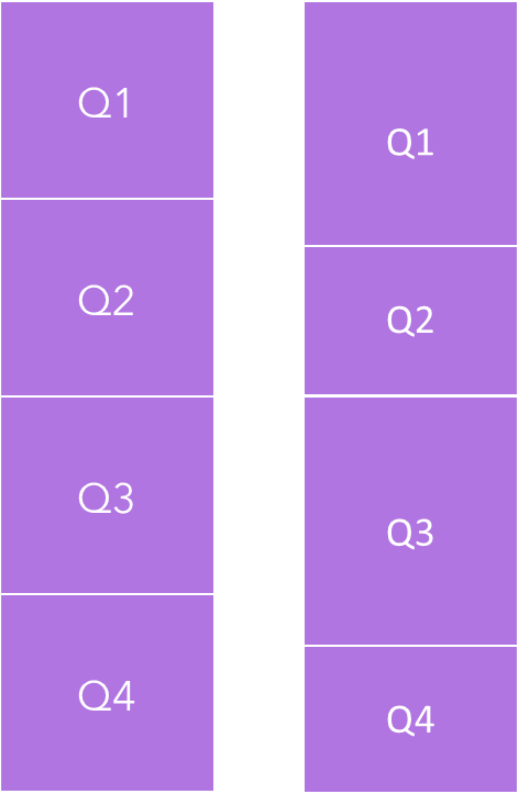
15%

Web of Science核心合集
期刊质量标准的通过率

2023年度 JIF数值调整为只保留至小数点后一位

Before 保留至小数点后三位

- 没有期刊排名并列
- 排名数等于期刊数
- JIF 分区按排名数均匀调整大小
- JIF 分区按期刊数均匀调整大小



Now 保留至小数点后一位

- 期刊排名并列
- 排名数不等于期刊数
- JIF 分区按排名数均匀调整大小
- JIF 各分区的期刊数不均匀

分阶段、逐步推进

采取分阶段的方法，以透明地说明对JIF排名、分区及百分位的影响

2022年度

	SCIE	SSCI	AHCI	ESCI
Journal Impact Factor	✓	✓		
Journal Citation Indicator	✓	✓	✓	✓
Citation Distribution	✓	✓		
Category Ranking by JIF	✓	✓		
JIF Quartile	✓	✓		
Average JIF Percentile	✓	✓		

2023年度

Journal Impact Factor	✓	✓	✓	✓
Journal Citation Indicator	✓	✓	✓	✓
Citation Distribution	✓	✓	✓	✓
Category Ranking by JIF	✓	✓		
JIF Quartile	✓	✓		
Average JIF Percentile	✓	✓		

2024年度

Journal Impact Factor	✓	✓	✓	✓
Journal Citation Indicator	✓	✓	✓	✓
Citation Distribution	✓	✓	✓	✓
Category Ranking by JIF	✓	✓	✓	✓
JIF Quartile	✓	✓	✓	✓
Average JIF Percentile	✓	✓	✓	✓

引文分布图 - 增加期刊影响因子的透明度

ARTICLE CITATION
MEDIAN

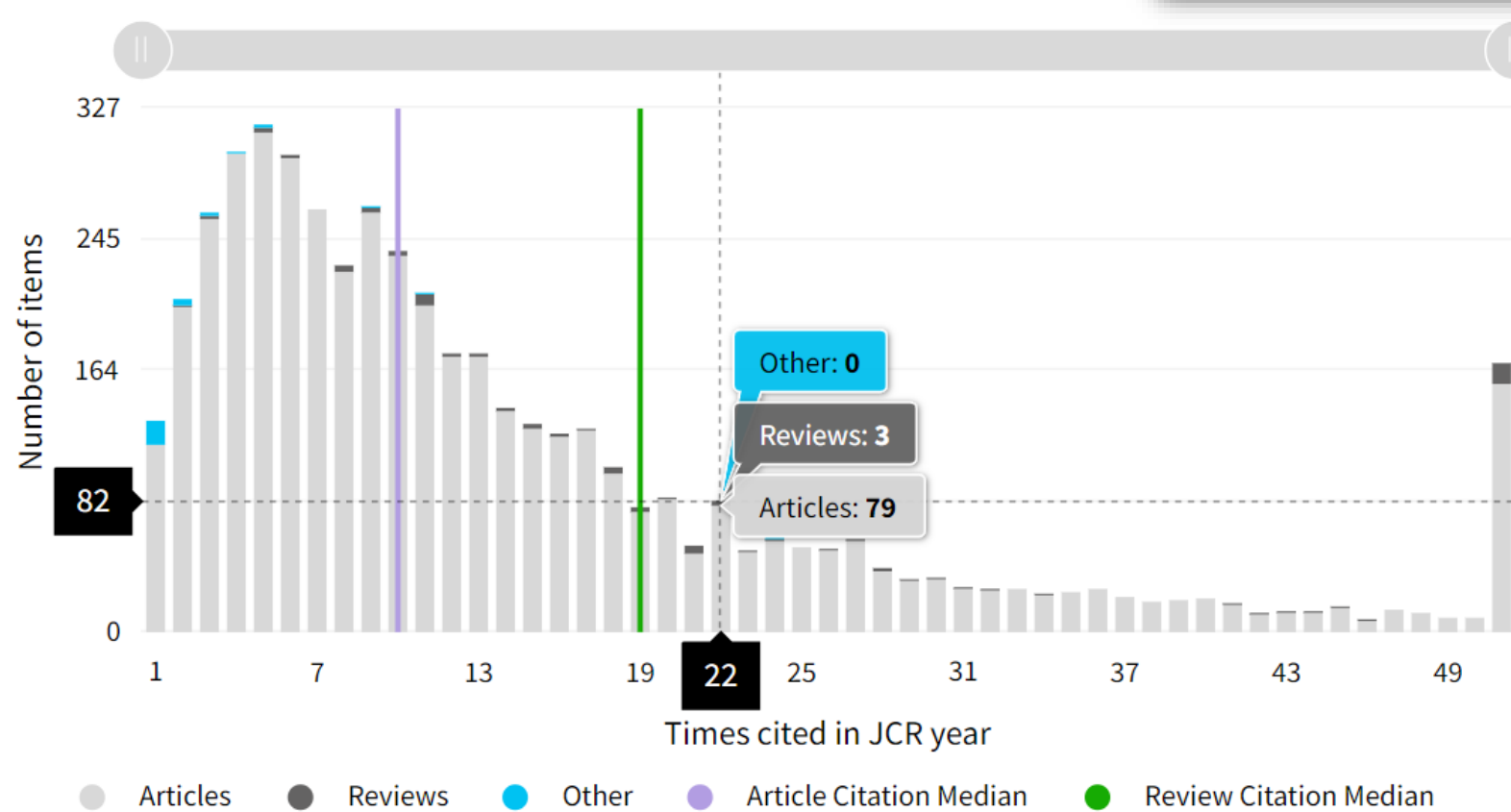
10

REVIEW CITATION
MEDIAN

18.5

UNLINKED CITATIONS

249



Calculation

Journal Impact Factor™ is calculated using the following metrics:

$$\frac{\text{Citations in 2022 to items published in 2020 (40,855) + 2021 (33,040)}}{\text{Number of citable items in 2020 (2,483) + 2021 (2,437)}} = \frac{73,895}{4,920} = 15.0$$

TIMES CITED

0

ARTICLES

38

REVIEWS

1

OTHER

89

2023 年度JCR数据更新

2022 JCR data

21,522 期刊

13,668 自然科学期刊

112 国家/地区

7,123 社会科学期刊

254 Web of Science 学科

3,248 艺术与人文期刊

5,649 Gold OA 期刊

9,136 期刊首次获得期刊影响因子

4 镇压期刊

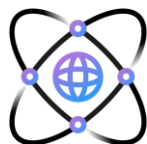
2023 年度JCR更新概览

为所有WOS cc期刊构建完整的期刊简历



Summary

- 所有Web of Science Core Collection 期刊都获得JIF
- JIF 显示到小数点后一位
- JIF 仍然是一个选择性指标



Impact

- 更简化
- 更多数据
- 更多期刊和出版商
- 更开放访问的覆盖范围
- 更多的全球代表性



Benefits

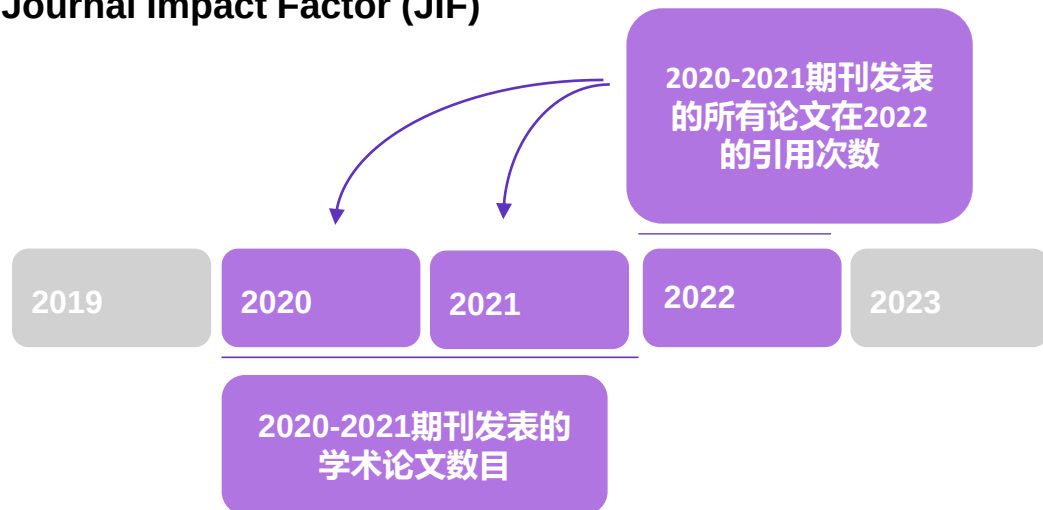
- 通过增强日记配置文件来增加现有订阅的影响力
- 帮助研究人员做出更明智的发表决策
- 简化馆藏管理
- 实现更深入的期刊影响分析

期刊影响因子的合理使用

期刊影响因子

自2023年起，Web of Science核心合集收录的所有期刊都有期刊影响因子

Journal Impact Factor (JIF)



Calculation

Journal Impact Factor™ is calculated using the following metrics:

Citations in 2022 to items published in 2020

(40,855) + 2021 (33,040)

73,895

Number of citable items in 2020 (2,483) + 2021 (2,437)

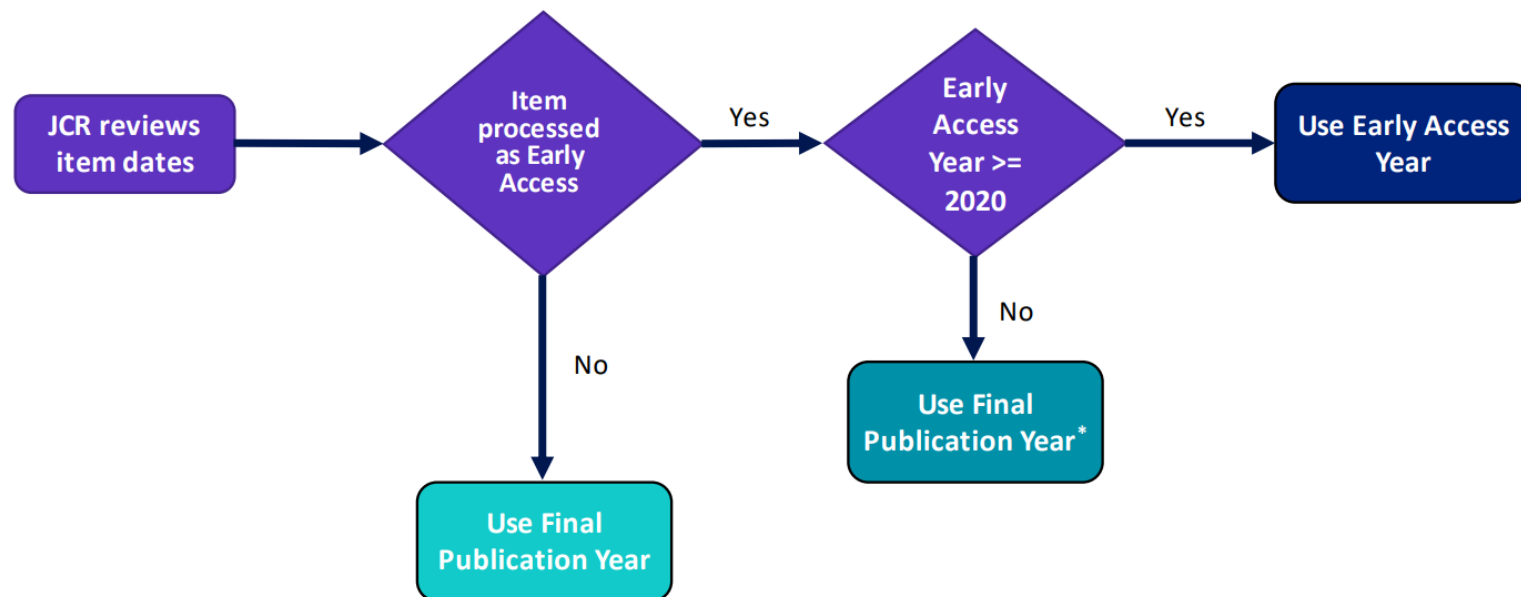
4,920

= 15.0

仅包含研究论文 (article) 和综述 (review)

期刊影响因子

自2021年度JCR正式引入在线发表内容



以2020年为分界线，此前各年我们使用最终发表年份，此后各年则使用在线发表的发表年份

$$2020 \text{ JIF} = \frac{\text{Citations in 2020 to items published in 2018 + 2019}}{\text{Number of articles \& reviews published in 2018 \& 2019}}$$



$$2021 \text{ JIF} = \frac{\text{Citations in 2021 to items published in 2019 + 2020}}{\text{Number of articles \& reviews published in 2019 \& 2020}}$$



$$2022 \text{ JIF} = \frac{\text{Citations in 2022 to items published in 2020 + 2021}}{\text{Number of articles \& reviews published in 2020 \& 2021}}$$

期刊影响因子的前世和今生

期刊影响因子（JIF）创始之初，旨在帮助科学引文索引（SCI）选择新期刊

期刊影响因子由于直观易懂，在诸多指标中最知名，也最常被孤立地片面**误用**：

- ◆ 期刊影响因子常被**误用**作为单篇文章或作者的评估指标
- ◆ 存在跨学科间将期刊影响因子进行比较的**误用**
- ◆ 期刊影响因子被**误用**为评价期刊学术影响力的**唯一**指标

...

期刊定量指标的合理使用

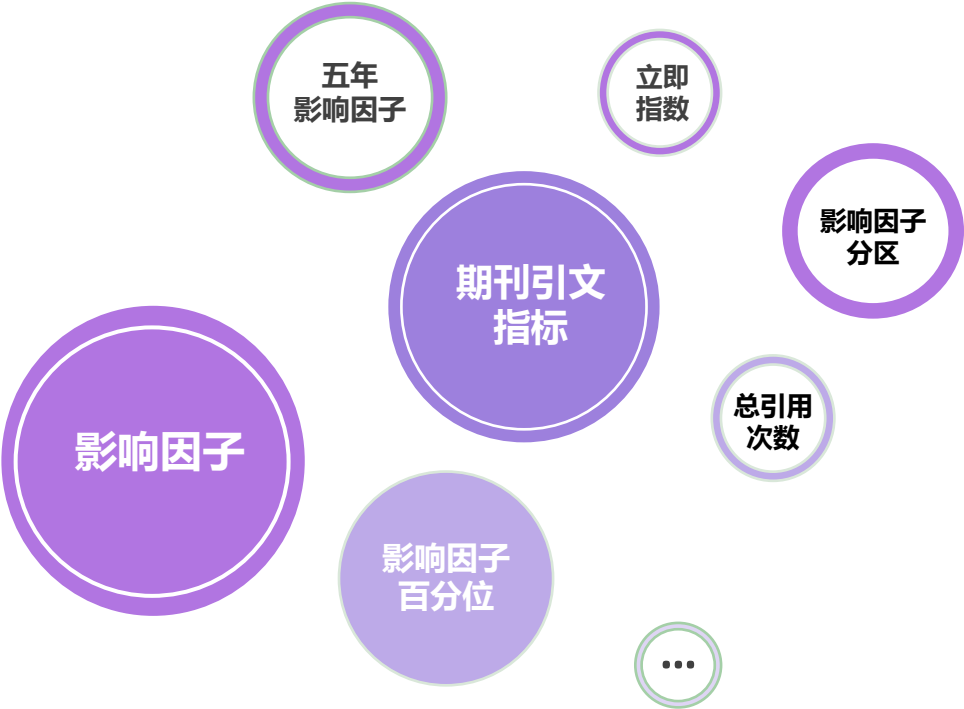
 **单一指标**

 **绝对指标**

 **多指标优于单一指标**

 **相对指标优于绝对指标**

负责任地期刊评估-JCR丰富的多维度指标



Journal Citation Indicator 期刊引文指标

Web of Science核心合集收录的所有期刊都有JCI指标

JCI 是某期刊前三年里出版的所有
研究论文（articles）和综述（reviews）的
平均CNCI

Journal Citation Indicator (JCI)



Journal Impact Factor (JIF) VS Journal Citation Indicator (JCI)

JIF 期刊影响因子	VS	JCI 期刊引文指标
SCI&SSCI&AHCI&ESCI	适用范围	SCI&SSCI&AHCI&ESCI
2020-2021 2年A+R	文献	2019-2021 3年A+R
在2022年被WOS cc 引用的次数	引用	在2019-2022年被WOS cc 引用的次数
绝对指标		相对指标

引文分布图 - 呈现论文层级的引用分布情况

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

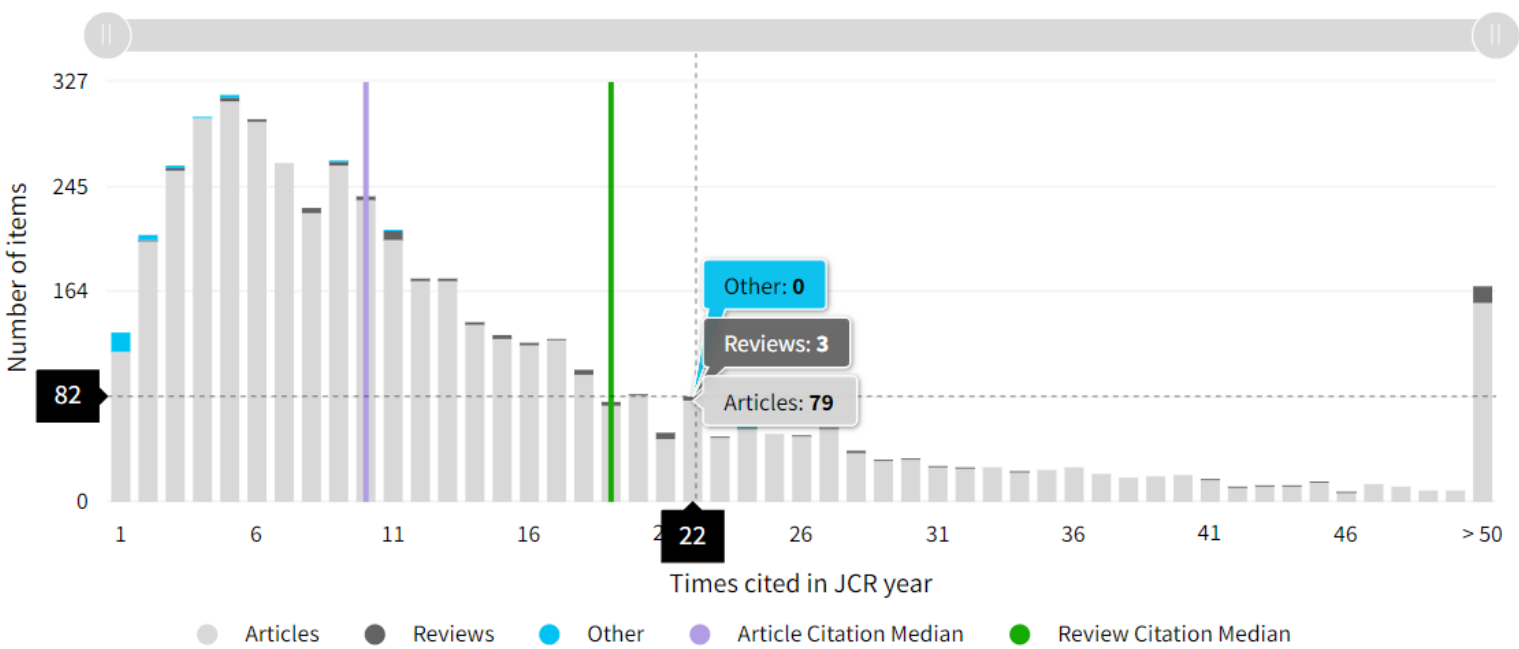
10

REVIEW CITATION MEDIAN

18.5

UNLINKED CITATIONS

249



TIMES CITED

0

ARTICLES

38

REVIEWS

1

OTHER

89

JCR助力全面了解期刊及其学术影响力

Home > Journal profile

JCR YEAR

2022

X X Journal

Open Access since 2009

ISSN

N/A

EISSN

2072-4292

JCR ABBREVIATION

X X J

ISO ABBREVIATION

Remote Sens.

X X J

期刊基本信息：期刊缩写、ISSN/eISSN、出版频率...

Favorite Export

Journal information

EDITION

Science Citation Index Expanded (SCIE)

CATEGORY

REMOTE SENSING - SCIE

GEOSCIENCES, MULTIDISCIPLINARY - SCIE

ENVIRONMENTAL SCIENCES - SCIE

IMAGING SCIENCE & PHOTOGRAPHIC TECHNOLOGY - SCIE

LANGUAGES

English

REGION

SWITZERLAND

1ST ELECTRONIC JCR YEAR

2012

Publisher information

PUBLISHER

MDPI

ADDRESS

address

SWITZERLAND

PUBLICATION FREQUENCY

24 issues/year

全面了解期刊

期刊内容开放获取及其引用情况

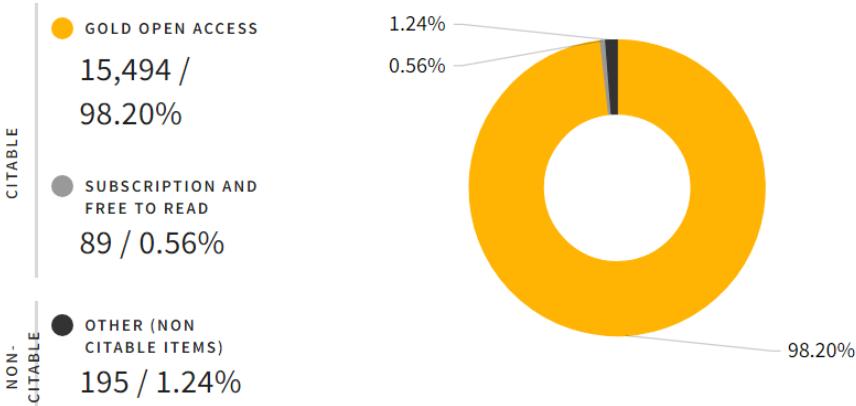
Open Access (OA) ⓘ

Export

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](#)

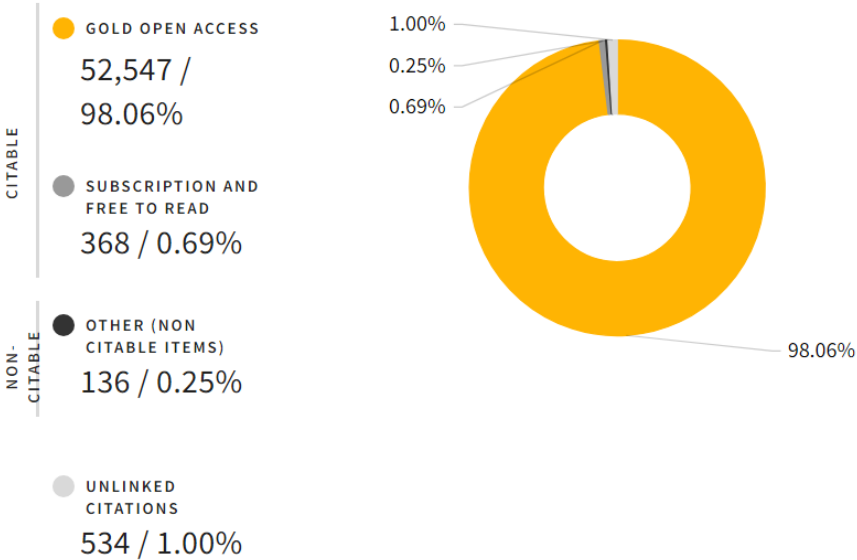
Items

TOTAL CITABLE 15,583
% OF CITABLE OA 99.43%



Citations*

TOTAL CITABLE 52,915
% OF CITABLE OA 99.30%



*Citations in 2022 to items published in [2020 - 2022]

全面了解期刊

期刊收录的主要国家/地区与机构分布

Contributions by organizations

[Export](#)

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	2595	
2	WUHAN UNIVERSITY	760	
3	MINISTRY OF NATURAL RESOURCES OF THE PEOPLE'S REPUBLIC OF CHINA	388	
4	HELMHOLTZ ASSOCIATION	386	
5	CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	382	
6	NANJING UNIVERSITY OF INFORMATION SCIENCE & TECHNOLOGY	380	
7	CHINA UNIVERSITY OF GEOSCIENCES	360	
8	XIDIAN UNIVERSITY	325	
9	NATIONAL AERONAUTICS & SPACE	322	

Contributions by country/region

[Export](#)

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	8276	
2	USA	2555	
3	Italy	1068	
4	GERMANY (FED REP GER)	979	
5	Spain	731	
6	France	666	
7	England	612	
8	Australia	604	
9	Canada	539	
10	South Korea	474	

全面了解期刊

期刊影响因子

Journal Impact Factor^①

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](#)

最新期刊影响因子

2022 JOURNAL IMPACT FACTOR

5.0

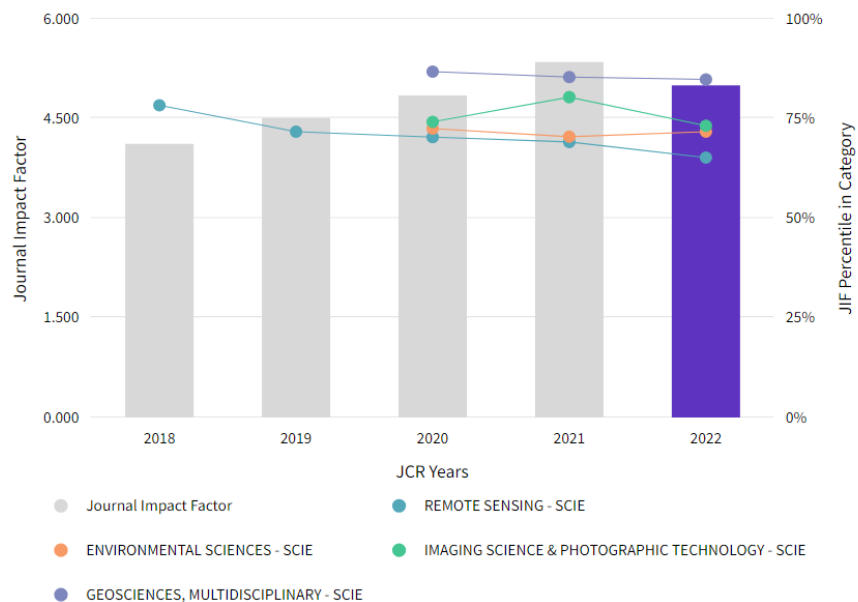
[View calculation](#)

JOURNAL IMPACT FACTOR WITHOUT SELF CITATIONS

3.8

[View calculation](#)

Journal Impact Factor Trend 2022

[View all years](#)

期刊影响因子透明数据

Journal Impact Factor contributing items

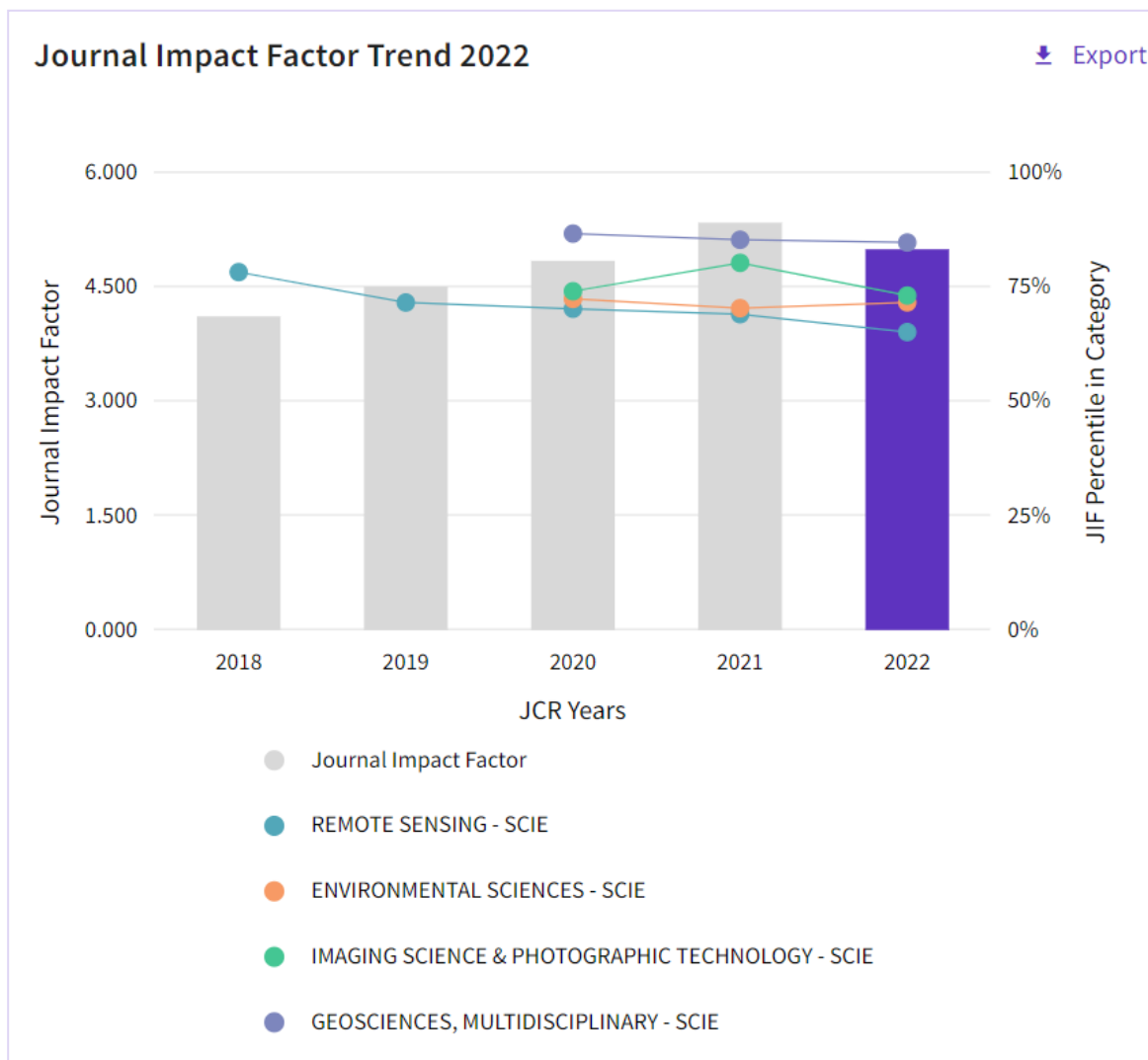
[Export](#)

Citable items (9,234)		Citing Sources (2,590)	
TITLE	CITATION COUNT		
Reconstructing Three Decades of Land Use and Land Cover Changes in Brazilian Biomes with Landsat Archive and Earth Engine	183		
A Spatial-Temporal Attention-Based Method and a New Dataset for Remote Sensing Image Change Detection	165		
Land-Use Land-Cover Classification by Machine Learning Classifiers for Satellite Observations-A Review	138		
Copernicus Global Land Cover Layers-Collection 2	115		
Applications of Remote Sensing in Precision Agriculture: A Review	103		
Recent Advances of Hyperspectral Imaging Technology and Applications in Agriculture	102		
Vision Transformers for Remote Sensing Image Classification	92		
A Real-Time Apple Targets Detection Method for Picking Robot Based on Improved YOLOv5	91		
Sentinel-2 Data for Land Cover/Use Mapping: A Review	87		
Change Detection Based on Artificial Intelligence: State-of-the-Art and Challenges	81		

[View All in Web of Science](#)

全面了解期刊

期刊影响因子及百分位趋势



Average JIF Percentile [Export](#)

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

73.7

EDITION

Science Citation Index
Expanded

IMAGING SCIENCE &
PHOTOGRAPHIC
TECHNOLOGY

73.2

ENVIRONMENTAL SCIENCES

71.7

GEOSCIENCES,
MULTIDISCIPLINARY

84.8

全面了解期刊

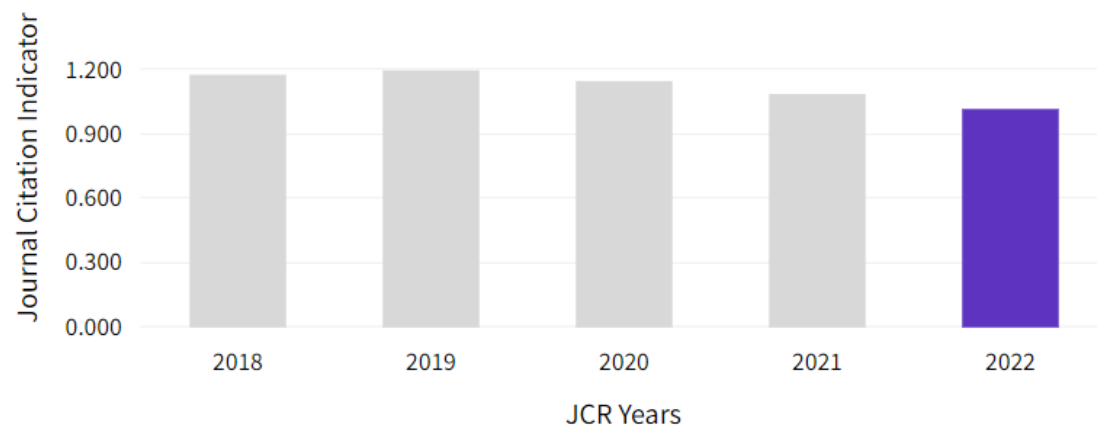
近五年 JCI 趋势与JCI排名、分区

Journal Citation Indicator (JCI) ⓘ

Export

1.02

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](#)



Rank by Journal Citation Indicator (JCI) ⓘ

CATEGORY

ENVIRONMENTAL SCIENCES

71/330

JCR YEAR	JCI RANK	JCI QUARTILE	JCI PERCENTILE	
2022	71/330	Q1	78.64	
2021	65/325	Q1	80.15	
2020	52/306	Q1	83.17	
2019	47/302	Q1	84.60	
2018	48/297	Q1	84.01	
2017	51/286	Q1	82.34	

全面了解期刊

引文分布图 - 呈现论文层级的引用分布情况

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

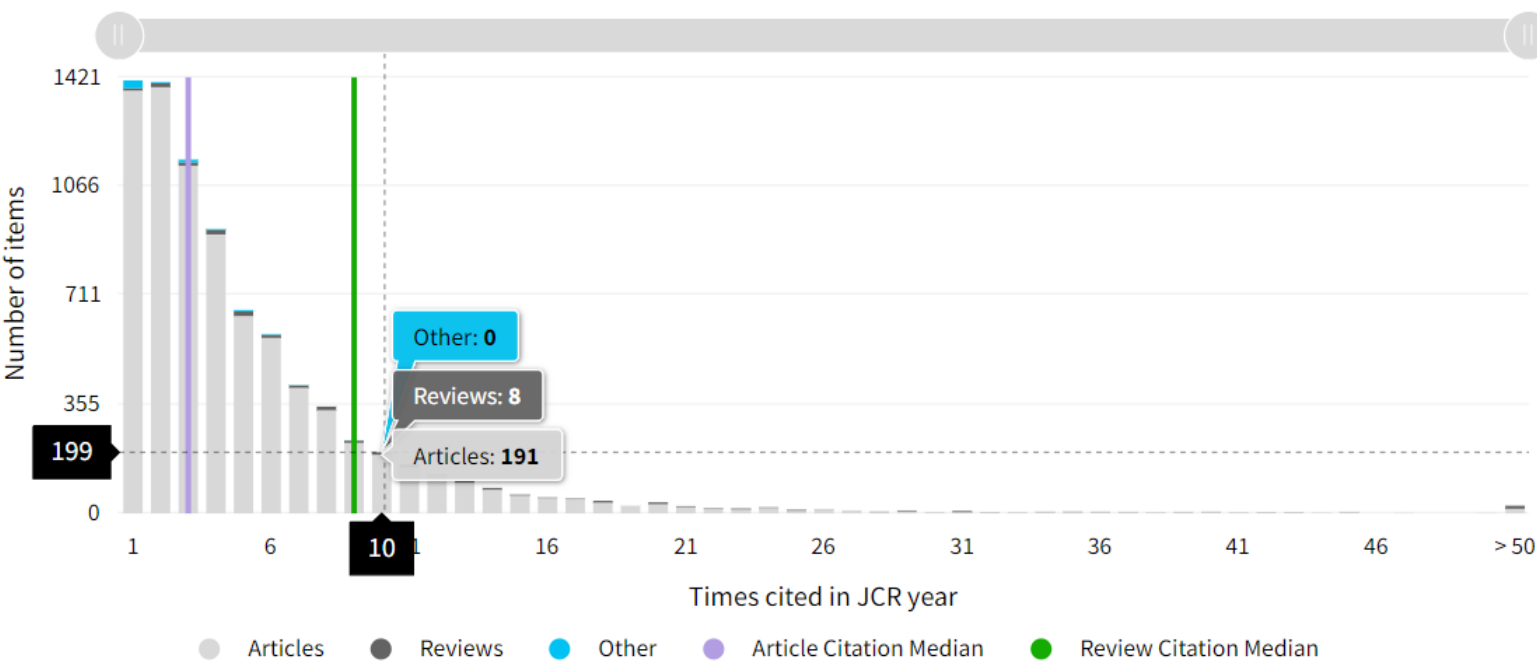
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REVIEW CITATION MEDIAN

9

UNLINKED CITATIONS

437



TIMES CITED

0

ARTICLES

968

REVIEWS

6

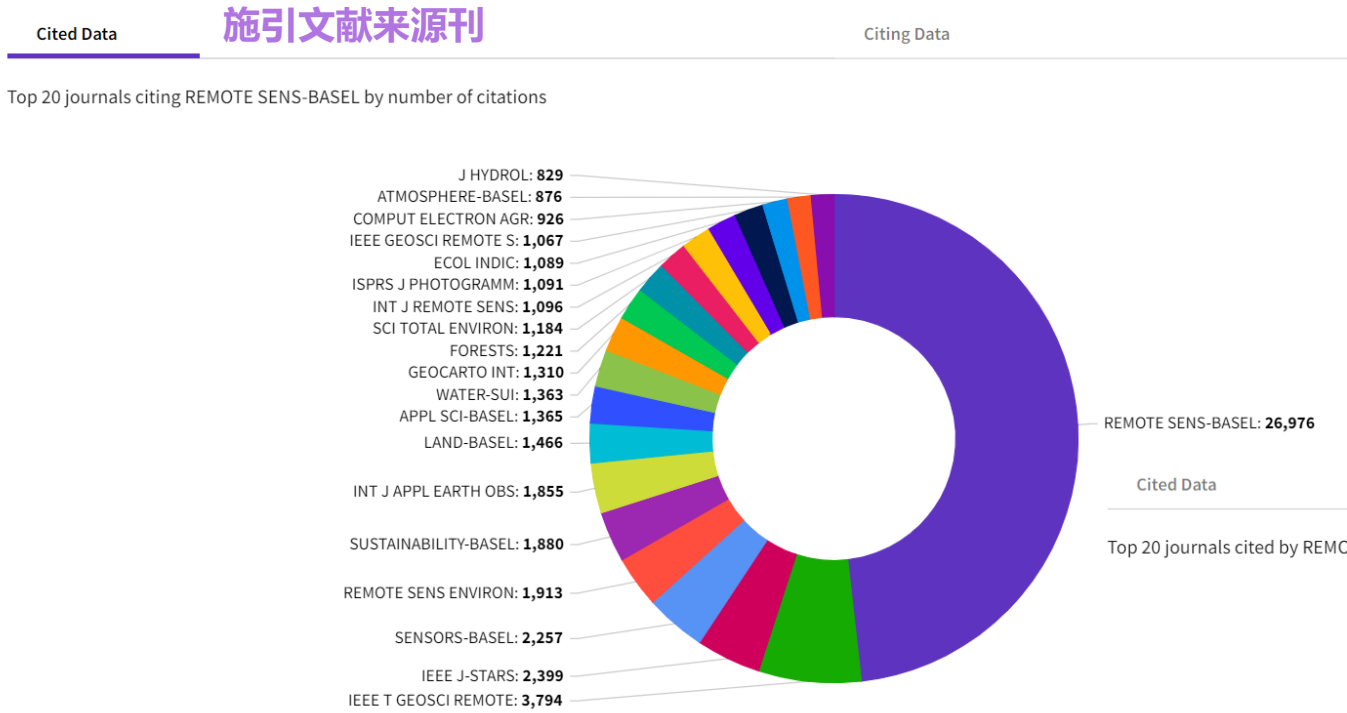
OTHER

89

全面了解期刊

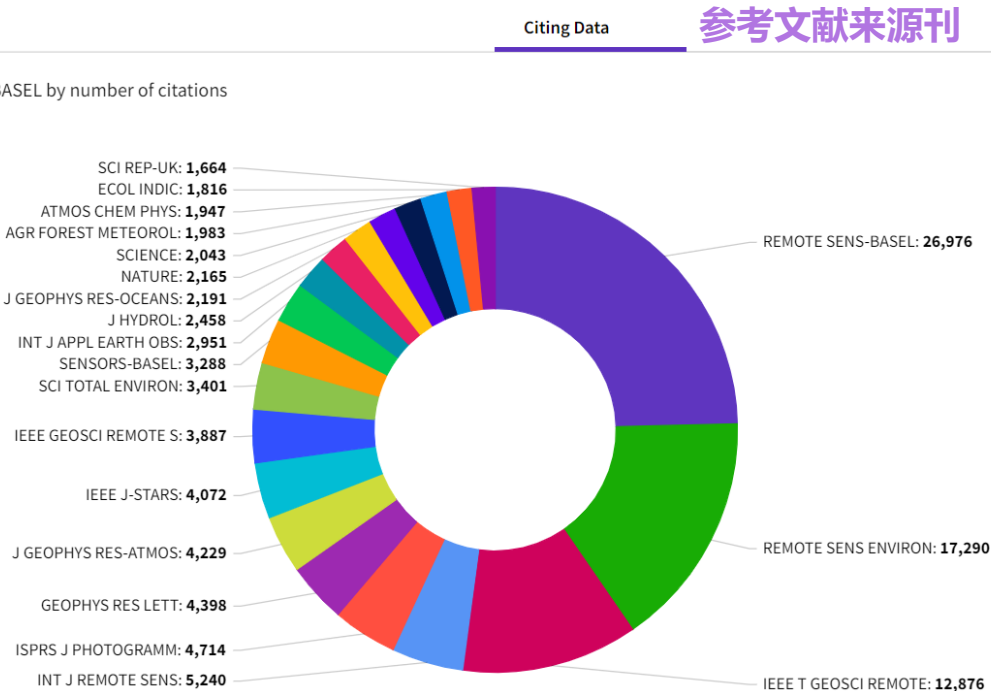
期刊引证关系图

通过期刊引证关系发现更多相关期刊



Cited Data

Top 20 journals cited by REMOTE SENS-BASEL by number of citations



期刊定量指标的合理使用

✗ 单一指标

✗ 绝对指标

✓ 多指标优于单一指标

✓ 相对指标优于绝对指标

定量指标的合理使用

定量分析与同行评议相结合

- 全球化，自上而下的视角
- 加权的、相对的度量方法
- 能够揭示最新研究的贡献

引文分析：定量



- 小范围内，自下而上的视角
- 绝对的、主观认知和判断
- 会受到较早以前研究成果的影响

同行评议：定性

科学计量学指标并不是要取代专家(评议)，而是为了能够对研究工作进行检查和评论，从而使专家掌握足够的信息，形成根据更充分的意见，并在更高的信息集成水平上更具权威性。

——Dr. Ronald Rousseau, “评价科研机构的文献计量学和经济计量学指标”，《科研评价与指标》，红旗出版社，第17页，2000年

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微信公众号



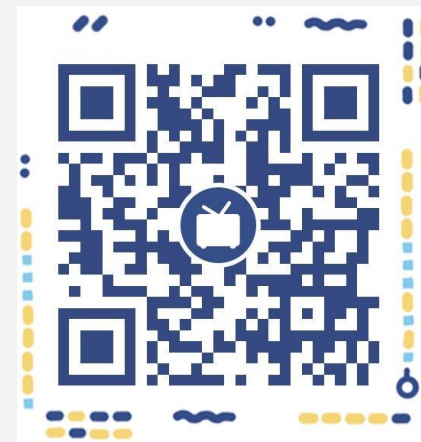
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微信服务号



科睿唯安学术研究
视频号



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B站官方账号





谢谢!

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技术支持邮箱: ts.support.china@clarivate.com

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