

# Identify your institution's essential journals with Web of Science

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# Ever growing scholarly publishing landscape

It can be challenging to align your library's collection with your institution's mission, at scale



**3 million papers  
per year<sup>1</sup>**



**42,500 scholarly  
journals<sup>1</sup>**



**14,785 open access  
journals<sup>2</sup>**



**13,000 “predatory”  
journals<sup>3</sup>**

<sup>1</sup>2018 STM Report

<sup>2</sup>Listed in DOAJ June 16, 2020

<sup>3</sup>May 2020 [Economist article](#)

# Web of Science

Rely upon the world's largest curated citation index of research publications



## Linked citation network

Understand the research landscape – and your institution's participation within it – by leveraging the connections between individual papers in the scholarly literature at scale



## Structured metadata

Quickly view a comprehensive picture of your institution's research output with **manually curated organizational structures** and **complete data for all authors and affiliations**



## Publisher-neutral, human curation

Make important decisions about your collections using data curated by independent experts who are free of any affiliations with journals or publishers



## Comprehensive coverage

Avoid gaps in your analysis with **cover-to-cover indexing** for journals spanning over 100 years, including complete journal runs for many titles

# Rely upon the data trusted by institutions and publishers for decades

- Academic and government institutions as well as private organizations use Web of Science data to assist in assessing their journal use and impact.
- The scholarly publishing community uses Web of Science data to better understand the use and influence of their journals.

Some naming conventions have changed over the years, but **the authoritative nature of the data remains.**

 Institutional Science Indicators

 Journal Performance Indicators

 Local Journal Utilization Report

 Institutional Citation Reports

 Journal Analysis Database

 Journal Citation Reports

# Web of Science

Quickly Identify which journals your institution's authors publish in, and the journals that cite your authors

Showing 28,558 records for Total Citing Articles: ORGANIZATION-ENHANCED: (Utah State University)  
Analysis: PUBLICATION YEARS: (2020 OR 2019 OR 2018 OR 2017 OR 2016)  
[...Less](#)

Visualization **Treemap** Number of results 25 Download Hide

Journal	Count
SCIENCE OF THE TOTAL ENVIRONMENT	292
SCIENTIFIC REPORTS	270
PLOS ONE	262
IEEE ACCESS	249
JOURNAL OF MATERIALS CHEMISTRY A	227
SUSTAINABILITY	189
ECOLOGY AND EVOLUTION	153
WATER RESOURCES RESEARCH	137
ACS APPLIED MATERIALS INTERFACES	133
NATURE COMMUNICATIONS	130
ANGEWANDTE CHEMIE INTERNATIONAL EDITION	126
ECOSPHERE	124
FOREST ECOLOGY AND MANAGEMENT	123
GLOBAL CHANGE BIOLOGY	109
PHYSICAL CHEMISTRY CHEMICAL PHYSICS	105
ECOLOGY LETTERS	103

Select	Field: Source Titles	Record Count	% of 28,558
<input type="checkbox"/>	SCIENCE OF THE TOTAL ENVIRONMENT	292	1.022 %
<input type="checkbox"/>	SCIENTIFIC REPORTS	270	0.945 %
<input type="checkbox"/>	PLOS ONE	262	0.917 %
<input type="checkbox"/>	IEEE ACCESS	249	0.872 %
<input type="checkbox"/>	JOURNAL OF MATERIALS CHEMISTRY A	227	0.795 %
<input type="checkbox"/>	SUSTAINABILITY	189	0.662 %
<input type="checkbox"/>	ECOLOGY AND EVOLUTION	153	0.536 %
<input type="checkbox"/>	WATER RESOURCES RESEARCH	137	0.480 %
<input type="checkbox"/>	ACS APPLIED MATERIALS INTERFACES		
<input type="checkbox"/>	NATURE COMMUNICATIONS		
<input type="checkbox"/>	ANGEWANDTE CHEMIE INTERNATIONAL EDITION		

Select a download option (tab-delimited text file)

Data rows displayed in table Download

All data rows (up to 100,000)

# Journal Citation Reports

Determine which journals in the sciences and social sciences play a key role in scholarly communications

## Journals in ENVIRONMENTAL SCIENCES

Go to Journal Profile

Master Search

Compare Journals

View Title Changes

Select Journals

Select Categories

Select JCR Year: 2018

Select Edition:  SCIE  SSCI

Open Access:  Open Access

**Journals By Rank** | Categories By Rank

Journal Titles Ranked by Impact Factor

Compare Selected Journals | Add Journals to New or Existing List | Customize Indicators

Select	Full Journal Title	ISSN	Total Cites	Journal Impact Factor	Immediacy Index	Cited
<input type="checkbox"/>	1 Nature Climate Change	1758-678X	23,544	21.722	4.116	
<input type="checkbox"/>	2 Energy & Environmental Science	1754-5692	81,176	33.250	5.537	
<input type="checkbox"/>	3 GLOBAL ENVIRONMENTAL CHANGE-HUMAN AND POLICY DIMENSIONS	0959-3780	17,370	10.427	1.167	
<input type="checkbox"/>	4 FRONTIERS IN ECOLOGY AND THE ENVIRONMENT	1540-9295	10,483	10.935	1.618	
<input type="checkbox"/>	5 GLOBAL CHANGE BIOLOGY	1354-1013	42,119	8.880	2.185	
<input type="checkbox"/>	6 Annual Review of Environment and Resources	1543-5938	4,214	8.617	0.714	
<input type="checkbox"/>	7 ENVIRONMENTAL HEALTH PERSPECTIVES	0091-6765	42,166	7.736	1.282	

InCites Journal Citation Reports

MATERIALS SCIENCE & ENGINEERING R-REPORTS

ISSN: 0927-796X  
eISSN: 1079-212X  
ELSEVIER SCIENCE SA  
PO BOX 964, 1001 LAUSANNE, SWITZERLAND  
NETHERLANDS

TITLES  
ISO Mater Sci Eng R-Rep  
JCR Abbrev MAT SCI ENG R

LANGUAGES  
English

CATEGORIES  
PHYSICS APPLIED - SCIE  
MATERIALS SCIENCE, MULTIDISCIPLINARY - SCIE

PUBLICATION FREQUENCY  
12 issues/year

Current Year: 2017 | All Years

The data in the two graphs below and in the Journal Impact Factor calculation panels represent citation activity in 2018 to items published in the journal in the prior two years. They detail the components of the Journal Impact Factor. Use the "All Years" tab to access key metrics and additional data for the current year and all prior years for this journal.

**Journal Impact Factor Trend 2018**

2018 Journal Impact Factor: 22.250

**Citation distribution 2018**

Article citation median: n/a | Review citation median: 16.5

**Journal profile [2016 - 2018]**

**Open Access (OA) [Beta]**

Category	Items	Citations
Gold OA Citable	4	76
Subscription and Free to Read Citable	32	508
<b>Total Citable</b>	<b>36</b>	<b>584</b>
% Citable Open Access	11.11%	13.01%
Other	1	0
Uncited	n/a	10

**Contributions by country/region**

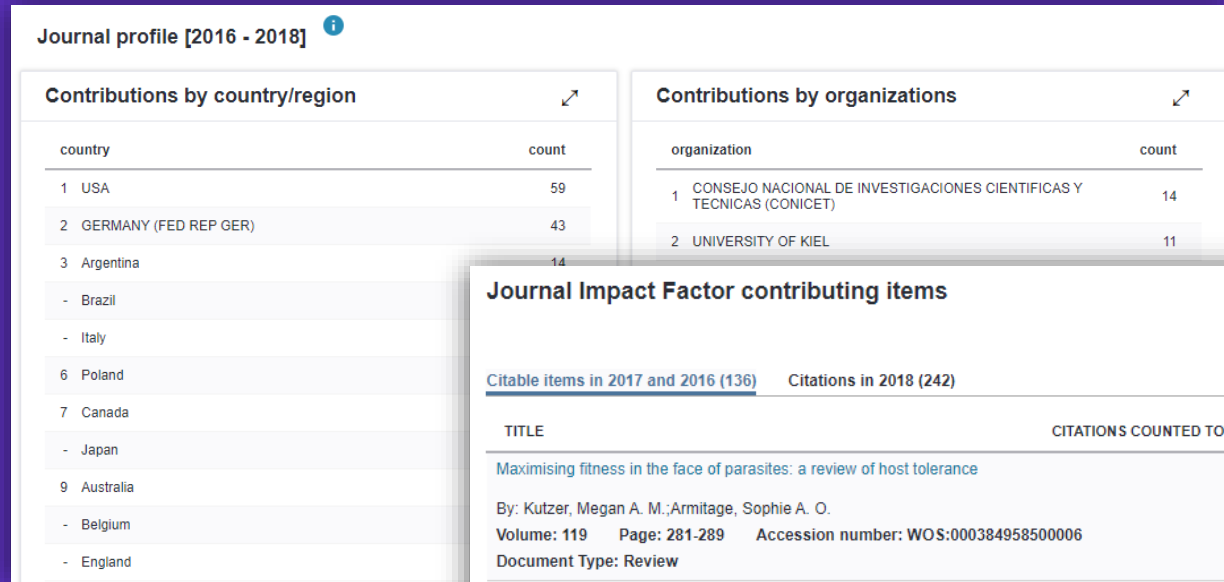
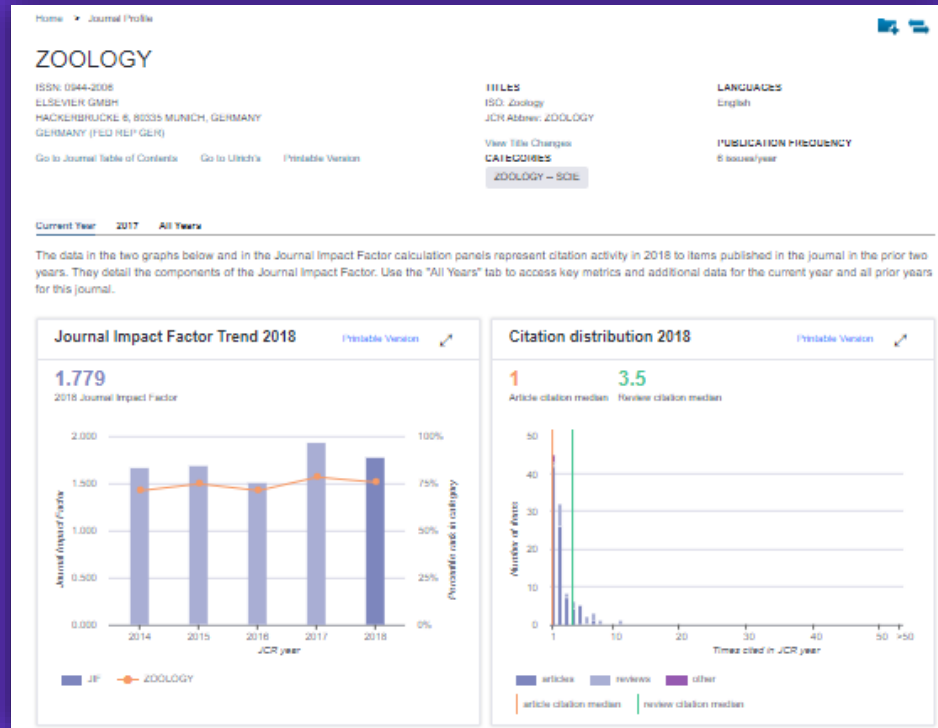
country	count
1 USA	15
2 CHINA-MAINLAND	13
3 South Korea	5
4 France	3
- India	3
6 Australia	2
- Canada	2
- England	2
- Italy	2
- Netherlands	2
- Turkey	2

**Contributions by organizations**

organization	count
1 CHINESE ACADEMY OF SCIENCES	4
2 CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)	3
3 CITY UNIVERSITY OF HONG KONG	2
- HUBEI UNIVERSITY	2
- INDIAN INSTITUTE OF SCIENCE (IISc) - BANGALORE	2
- INSTITUT DE RECHERCHE POUR LE DEVELOPEMENT (IRD)	2
- SOBOLENE UNIVERSITE	2
- UNIVERSITY OF ILLINOIS SYSTEM	2
- UNIVERSITY OF SYDNEY	2
- UNIVERSITY SYSTEM OF GEORGIA	2

# Journal Citation Reports

Determine which journals in the sciences and social sciences play a key role in scholarly communications




**Journal Impact Factor contributing items** [Show all](#)

Citable items in 2017 and 2016 (136) Citations in 2018 (242)

TITLE	CITATIONS COUNTED TOWARDS JIF
Maximising fitness in the face of parasites: a review of host tolerance By: Kutzer, Megan A. M.; Armitage, Sophie A. O. Volume: 119 Page: 281-289 Accession number: WOS:000384958500006 Document Type: Review	11
Host-parasite coevolution: why changing population size matters By: Papkou, Andrei; Gokhale, Chaitanya S.; Traulsen, Arne; Schulenburg, Hinrich Volume: 119 Page: 330-338 Accession number: WOS:000384958500012 Document Type: Review	8
Three-dimensional analysis of scale morphology in bluegill sunfish, <i>Lepomis macrochirus</i> By: Wainwright, Dylan K.; Lauder, George V. Volume: 119 Page: 182-195 Accession number: WOS:000378960200005 Document Type: Article	7
Coevolution of parasitic fungi and insect hosts By: Joop, Gerrit; Vilcinskas, Andreas Volume: 119 Page: 350-358 Accession number: WOS:000384958500014	7

# InCites Benchmarking & Analytics

Uncover which journals your institution's authors are citing with the LJUR report








Local Journal Utilization Report

Run

Local Journal Utilization Report

Find Institution:

## Which journals are University of Wisconsin Milwaukee authors citing?

	Name	Rank	▼ Web of Science Documents	Quartile	% All Open Access Documents	ISSN
						
<input type="checkbox"/>	▶ ASTROPHYSICAL JOURNAL	1	2,619	Q1	53.61%	0004-637X
<input type="checkbox"/>	▶ MONTHLY NOTICES OF THE ROYAL ASTRONOMICAL SOCIETY	2	1,882	Q1	88.58%	0035-8711
<input type="checkbox"/>	▶ PHYSICAL REVIEW D	3	1,784	Q1	47.42%	0556-2821
<input type="checkbox"/>	▶ PLOS ONE	4	1,403	Q2	100%	1932-6203
<input type="checkbox"/>	▶ PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	5	1,342	Q1	99.93%	0027-8424
<input type="checkbox"/>	▶ SCIENCE	6	1,110	Q1	33.69%	0036-8075
<input type="checkbox"/>	▶ NATURE	7	1,073	Q1	46.69%	0028-0836
<input type="checkbox"/>	▶ PHYSICAL REVIEW LETTERS	8	1,028	Q1	44.75%	0031-9007
<input type="checkbox"/>	▶ PHYSICAL REVIEW B	9	869	Q1	30.72%	0163-1829
<input type="checkbox"/>	▶ ENVIRONMENTAL SCIENCE &					



# Identify your institution's essential journals with Web of Science.

## Final thoughts

### Please take advantage of available resources to fine-tune and localize decisions.

- While it's important to maintain an awareness of the key journals in their respective disciplines, it's equally critical to identify the journals especially important to your "people." The tools covered in this presentation can assist.

### Use citation data and metrics wisely.

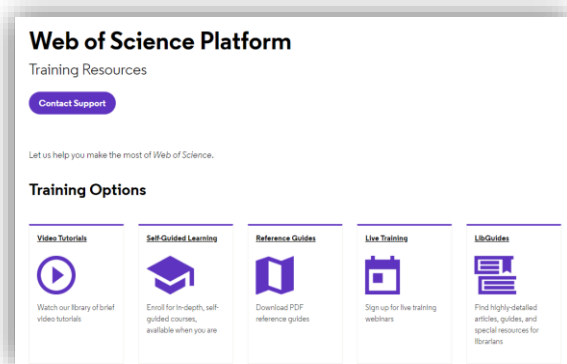
- Citation data and metrics are meant to support decision-making as objective pieces of the bigger collection development picture.
- The data can be extremely useful, and should complement other criteria in determining the value of individual journals to your institution.

### Web of Science and related tools can help you understand:

- Publication and citation relationships
- Journals...
  - in which your authors publish
  - that your authors cite
  - that cite your authors
  - in which your authors' publications are more impactful than is typical. (JNCI)
- Citation metrics that indicate and characterize "impact" ...
  - Journal Impact Factor
  - Immediacy Index
  - Cited Half Life

# Resources of interest

## Training portal



**Web of Science Platform**  
Training Resources

Contact Support

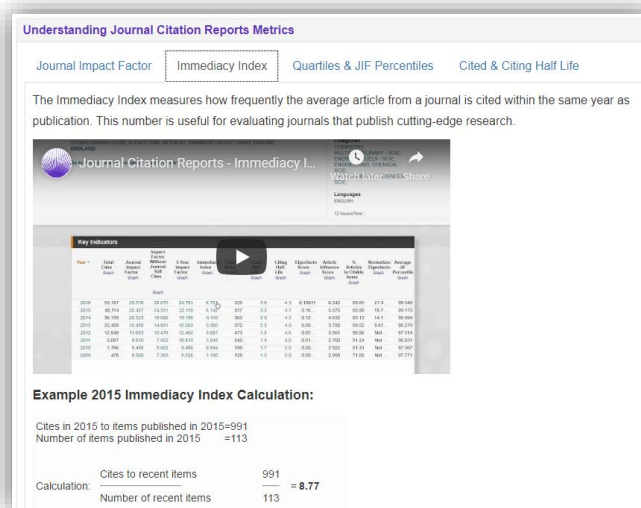
Let us help you make the most of Web of Science.

**Training Options**

- Video Tutorials**: Watch our library of brief video tutorials.
- Self-Guided Learning**: Enroll for in-depth, self-guided courses, available when you are.
- Reference Guides**: Download PDF reference guides.
- Live Training**: Sign up for live training webinars.
- LibGuides**: Find highly-detailed articles, guides, and special resources for librarians.

<https://clarivate.com/webofsciencegroup/support/wos/>

## JCR LibGuide



**Understanding Journal Citation Reports Metrics**

Journal Impact Factor | **Immediacy Index** | Quartiles & JIF Percentiles | Cited & Citing Half Life

The Immediacy Index measures how frequently the average article from a journal is cited within the same year as publication. This number is useful for evaluating journals that publish cutting-edge research.

**Example 2015 Immediacy Index Calculation:**

Cites in 2015 to items published in 2015=991  
Number of items published in 2015 =113

Calculation:  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{991}{113} = 8.77$

<https://clarivate.libguides.com/jcr>

## Excel Tips

Purdue University  
**Purdue e-Pubs**

Charleston Library Conference

**Excelling with Excel: Advanced Excel Functions for Collection Analysis**

Denise Pan  
University of Colorado Denver, dpan@uw.edu

Gabrielle Wiersma  
University of Colorado Boulder

<https://docs.lib.purdue.edu/cgi/viewcontent.cgi?referer=https://www.google.com/&httpsredir=1&article=1501&context=charleston>

# Thank you

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