

Online training - Web of Science

Session C2 – The journals profiles in Journal Citation Reports

Anne Delgado 27/11/2020



Session C2 – The journals profiles in Journal Citation Reports

- Understand the indexes and categories of the Web of Science
- The calculation of the Journal Impact Factor
- Journals profiles in Journal Citation Reports
- Information about journals on the Web of Science



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The Web of Science Platform

34,000+

Journals across the platform

21,000+

Total journals in the **Core Collection**

8.9 million+ Data Sets and Data Studies

87 million

inventions

Patents for over 43 million

1.9 billion+

Cited references

171 million+

Records

12.6 million

Records with funding data

218,000+

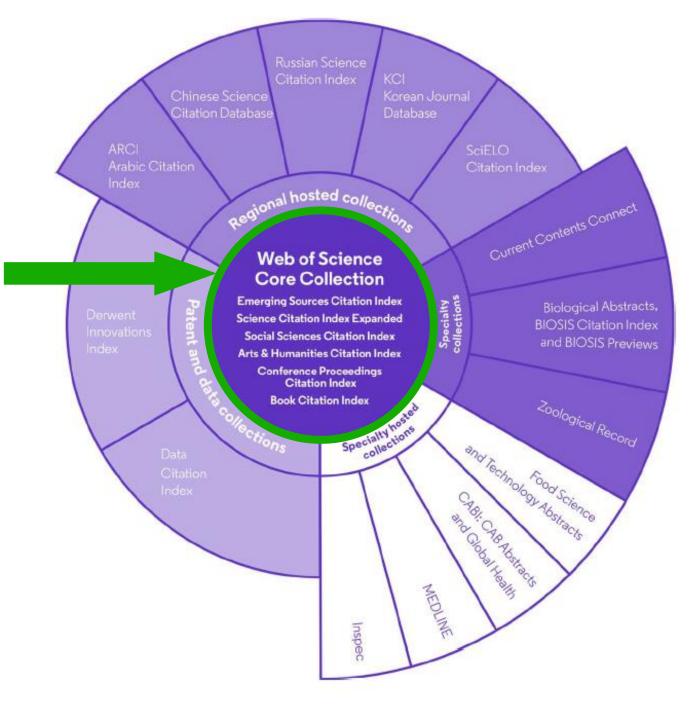
111,000+

Books

Clarivate"

With cover-to-cover indexing Conference proceedings

Backfiles to 1900



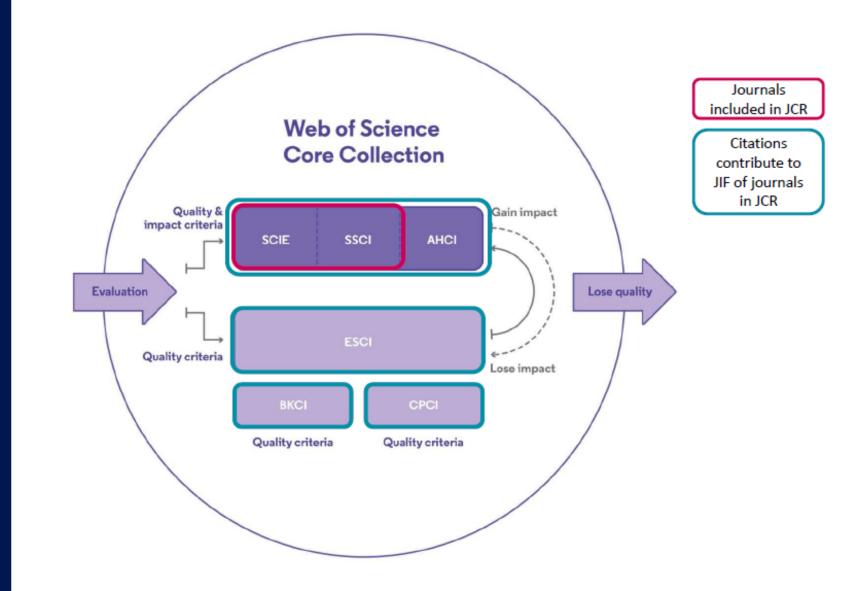
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What's included in JCR?

JCR includes journals indexed within SCIE and SSCI

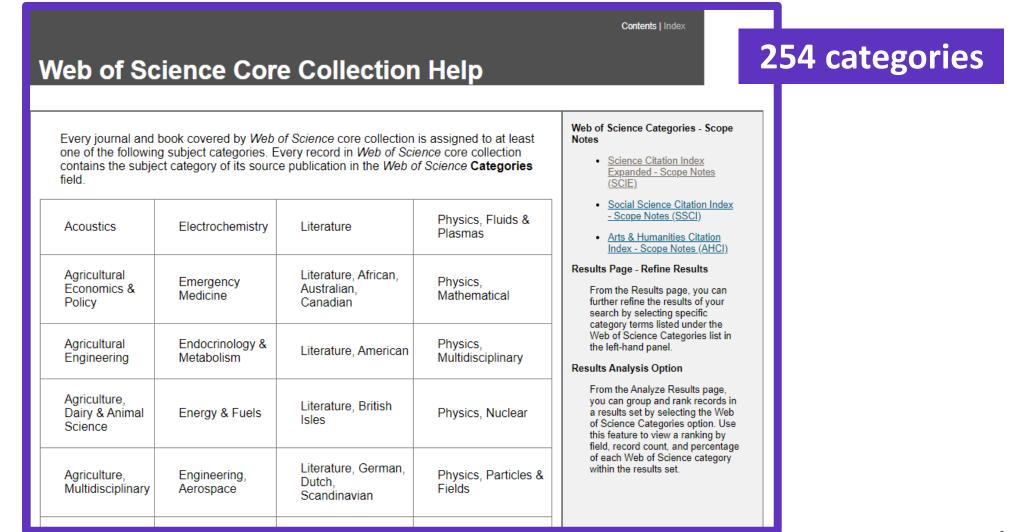
Only journals contained within JCR are awarded a Journal Impact Factor (JIF)

Citations from all content indexed within the Web of Science Core Collection contribute to the Journal Impact Factor (JIF)



Web of Science Categories

http://images.webofknowledge.com/WOKRS534DR1/help/WOS/hp_subject_category_terms_tasca.html



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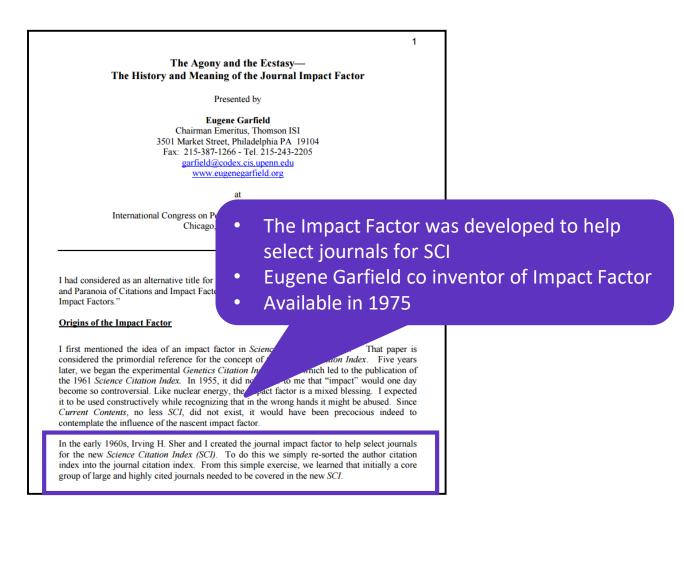
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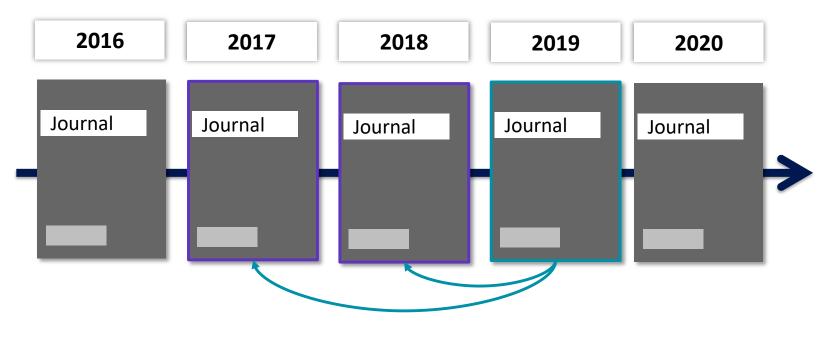
The history behind the Journal Impact Factor

Reprinted in Essays of an Information Scie		
Beylated free	m Schwer, Jely 15, 1955, Vel. 325, Ne. 3159,	pague 108-111. ,
Citation Indexe	s for Science	case. Chassified indexes are also depend- ent upto a subject analysis of individual articles and, at best, offer us better con- sistency of indexing rather than greater specificity or multiplicity in the subject approach. Similarly, terminology is im- portant, but even an ideal tandardisa-
	asion in Documentation	tion of terminology and nomenclature will not solve the problem of subject
throu	gh Association of Ideas Eugene Gerfield, Ph. D.	analysis. What access to be needed, then, in ad- dition to better and more comprehensive indexer, alphabetical and classified, are new types of bibliographic tools that can help to span the gap between the subject approach of those who create documents
The uncritical citation of disposed tas by aveiter, whether is the disference of the disposed of the disposed of the energy programming variables and the second of the disposed of the second of the aveiter who have the energy is a verter who have mover of the energy is a verter who have the energy is a short the science firster who is a energy paper. It is now make a constant of the paper, is the science of the paper of the science firster who is a energy paper. It is now move the of the science of the science is the science of the science of the science is the science of the science of the science of the science of the science of the science of the science of the science of the science of the science of the science of the science	sports at sense; twist of its different or at sense; twist of its different sense at sense; twist of its different sense at sense; twist of its different sense at sense at sense at sense at a sense at sense at sense at sense the requere, sense at sense at sense the requere sense at sense at sense at sense at sense the requere sense at sense at sense at sense at sense the requere sense at sense the requere sense at sense at sense at sense at sense at sense at s	- definit is, autom and the abject spectra of the solution of the solutio

- 1963, Eugene Garfield launches Science Citation Index, ISI, Philadelphia
- Eugene develops concept of Citation Indexing for research discovery
- SCI becomes a commercial product



How is the impact factor calculated?



Learn more: JCR Best Practices

2019 Journal Impact Factor

Ratio of

citations from 2019 to papers published in 2017 and 2018 to papers published in 2017 and 2018

Journal Impact Factor Calculation

14

496 2019 Journal Impact Factor

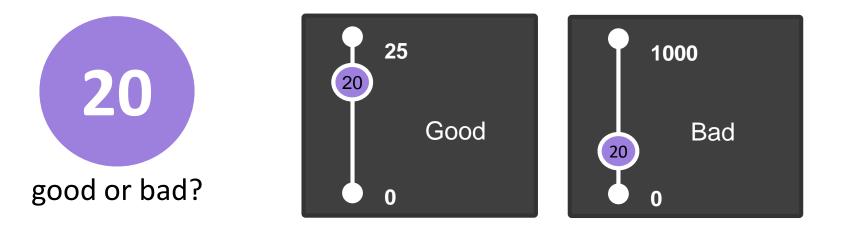
35.429

How is Journal Impact Factor Calculated?



Context is everything

Is the number of citations of this journal/paper high or low?



It depends on the context (research area, year of publication...)



Journal Citation Reports

	Category	Edition	#Journals ▼	Total Cites	Aggregate Impact Factor
1	ECONOMICS	SSCI	373	1,116,324	2.219
2	MATHEMATICS	SCIE	325	565,491	0.993
3	MATERIALS SCIENCE, MULTIDISCIPLINARY	SCIE	314	5,001,499	5.274
4	BIOCHEMISTRY & MOLECULAR BIOLOGY	SCIE	297	3,962,918	4.696
5	NEUROSCIENCES	SCIE	272	2,548,868	4.041
6	PHARMACOLOGY & PHARMACY	SCIE	271	1,769,982	3.442
7	ENGINEERING, ELECTRICAL & ELECTRONIC	SCIE	266	2,097,197	3.361
8	ENVIRONMENTAL SCIENCES	SCIE	265	2,622,685	4.313
9	EDUCATION & EDUCATIONAL RESEARCH	SSCI	263	421,337	1.804
10	MATHEMATICS, APPLIED	SCIE	261	631,053	1.568
11	ONCOLOGY	SCIE	244	2,187,273	4.840
12	PLANT SCIENCES	SCIE	234	1,292,836	3.005
13	MANAGEMENT	SSCI	226	892,977	3.288
14	SURGERY	SCIE	210	1,327,558	2.558

Journal Citation Reports (JCR)

This shows how the average Journal Impact Factor varies considerably across the different research categories.

JCR also shows how the number of journals in each category also varies.

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Understand percentiles & quartiles

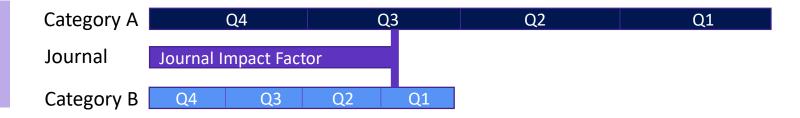
The percentile of a journal determines the ranking of a journal in a Web of Science category

	Full Journal Title	Total Cites	Journal Impact Factor 🔻	Average JIF Percentile
1	Annual Review of Marine Science	3,870	15.225	98.998
2	Oceanography and Marine Biology	2,485	6.286	98.169
3	LIMNOLOGY AND OCEANOGRAPHY	29,814	4.325	96.916
4	OCEANOGRAPHY	3,813	3.913	94.697
5	JOURNAL OF PHYSICAL OCEANOGRAPHY	14,963	3.389	93.182

The journal with the highest JIF within a category has the highest percentile and is ranked as 1

Quartile	Percentile
Q1	> 75%
Q2	50-75%
Q3	25-50%
Q4	< 25%

A journal can be indexed in 2 categories and have a different percentile & quartile in each of the categories



2020 Journal Citation Reports

2019 Data



Quickly obtain a concise view of each journal's recent citation impact alongside descriptive statistics on contributing authors and open access

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Recomendation – Register in JCR/ESI with the same credentials

GOBIERNO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES	INSTITUTIONAL Authorized users select yo	USERS SIGN IN our institution's group or regio	nal affiliation:			
Web of Science InCites Journal Citation Web of Science	Reports Essential Science Indic	ators EndNote Publons Kopernio		Select your group or reg Federation of Spain by F French universities and 0 German Higher Educatio	ECYT	Go istering for
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ACCESO A METADATOS	> ISI Journal Citation		links			
INFORMACIÓN PARA INVESTIGADORES		Index™ Expanded (SCI-EXPANDED): wos-sci.fe	ecyt.es			
	 Social Sciences 	Citation Index® (SSCI): wos-ssci.fecyt.es				

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https://www.recursoscientificos.fecyt.es/servicios/informacion

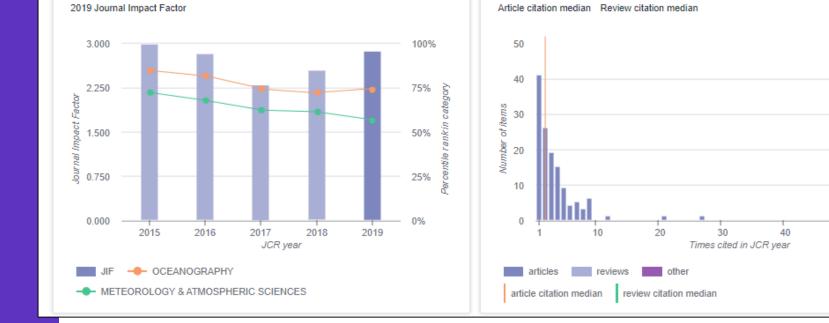
Search a journal

Welcome to Journal Citation Reports Search a journal title or select an option to get started					
Enter a journal name					
Master Search		Q			
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Journal Intelligence

Ocean Science		
ISSN: 1812-0784 COPERNICUS GESELLSCHAFT MBH BAHNHOFSALLEE 1E, GOTTINGEN 37081, GERMANY	TITLES ISO: Ocean Sci. JCR Abbrev: OCEAN SCI	LANGUAGES English
GERMANY (FED REP GER)	CATEGORIES	PUBLICATION FREQUENCY
Go to Journal Table of Contents Go to Ulrich's Printable Version	OCEANOGRAPHY SCIE	6 issues/year
	METEOROLOGY & ATMOSPHERIC SCIENCES SCIE	Open Access from 2005
Current Year 2018 2017 All Years The data in the two graphs below and in the Journal Impact Factor calculation par years. They detail the components of the Journal Impact Factor. Use the "All Years for this journal.		
Journal Impact Factor Trend 2019 Printable Version	Citation distribution 2019	Printable Version
2.864	2 n/a	

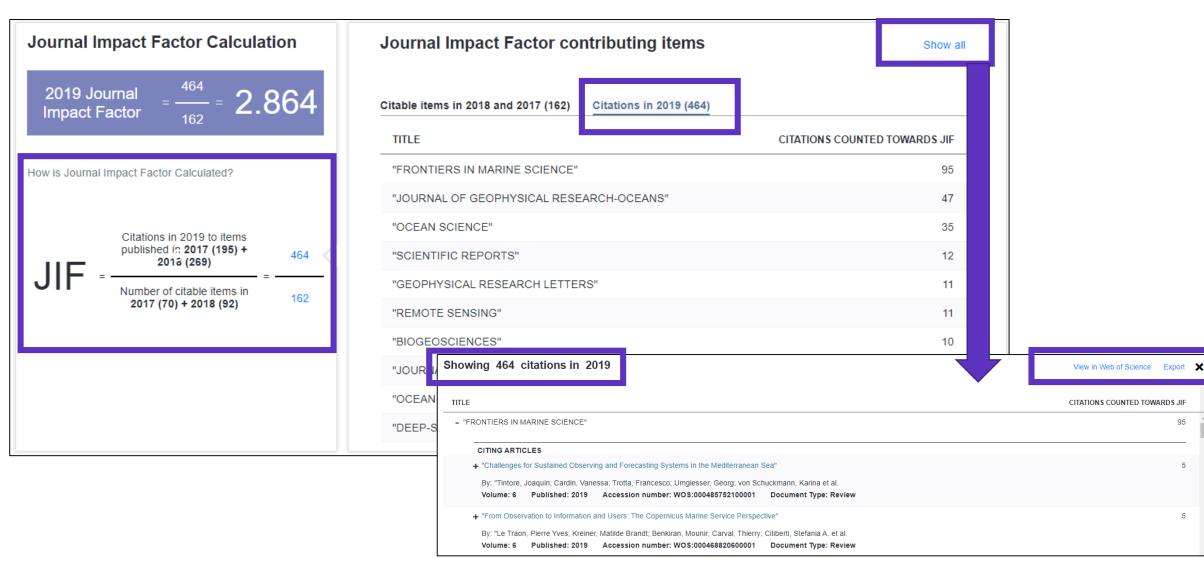




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Explore the citations received by a journal



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Journal Intelligence

Open Access (OA) [Beta] 🏾 0 🏑							
_		100%					
		- 75%					
	- 50%						
-	- 25% 						
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Total Cit	Total Citable			6,290			
% Citable	% Citable Open Access			15.39%			
Other			143	50			
Unlinked			n/a	197			
*Citations	in 2018 to	items publis	shed in [2	016 -			

Journal profile [2016 - 2018]

countrycount1USA7692England2003Italy1444Netherlands1415GERMANY (FED REP GER)1336Denmark1157CHINA MAINLAND1038Australia1029France9310Sweden87		tributions by ntry/region	∠`
2England2003Italy1444Netherlands1415GERMANY (FED REP GER)1336Denmark1157CHINA MAINLAND1038Australia1029France93	οι	intry	count
3Italy1444Netherlands1415GERMANY (FED REP GER)1336Denmark1157CHINA MAINLAND1038Australia1029France93	1	USA	769
4Netherlands1415GERMANY (FED REP GER)1336Denmark1157CHINA MAINLAND1038Australia1029France93	2	England	200
5GERMANY (FED REP GER)1336Denmark1157CHINA MAINLAND1038Australia1029France93	3	Italy	144
6Denmark1157CHINA MAINLAND1038Australia1029France93	4	Netherlands	141
7CHINA MAINLAND1038Australia1029France93	5	GERMANY (FED REP GER)	133
8 Australia 102 9 France 93	6	Denmark	115
9 France 93	7	CHINA MAINLAND	103
	8	Australia	102
10 Sweden 87	9	France	93
	10	Sweden	87

org	anization	count
1	HARVARD UNIVERSITY	159
2	VA BOSTON HEALTHCARE SYSTEM	106
3	UNIVERSITY OF CALIFORNIA SYSTEM	105
4	MAYO CLINIC	82
5	ERASMUS UNIVERSITY ROTTERDAM	72
6	UNIVERSITY OF COPENHAGEN	69
7	INSTITUT NATIONAL DE LA SANTE ET DE LA RECHERCHE MEDICALE (INSERM)	63
8	MASSACHUSETTS GENERAL HOSPITAL	61
9	UNIVERSITY OF PENNSYLVANIA	57
10	UNIVERSITY OF LONDON	52

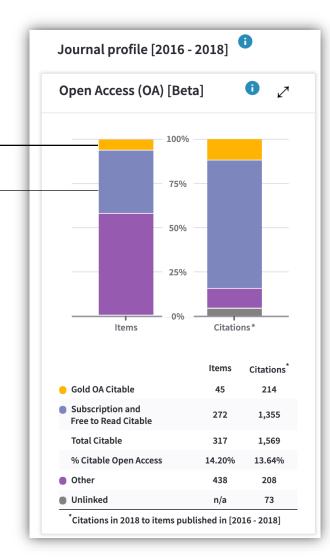


How is open access content displayed in Journal Citation Reports?

Gold OA Citable* • Papers tagged as either DOAJ Gold or Other Gold in Web of Science are counted as Gold OA Citable in JCR.

Subscription and free to read •

Papers identified as **Bronze**, **Green Published** and **Green Accepted** in Web of Science are counted as part of the Subscription and Free to Read Citable content in JCR.



*The data are current as of the time of JCR extraction from the Web of Science.

Citable items

All materials indexed as articles or reviews in Web of Science and counted as Citable Items in the denominator of the JIF.

Other

Incidental items, such as editorial material, correspondence, news, meeting abstracts, that are not counted in the JIF denominator.

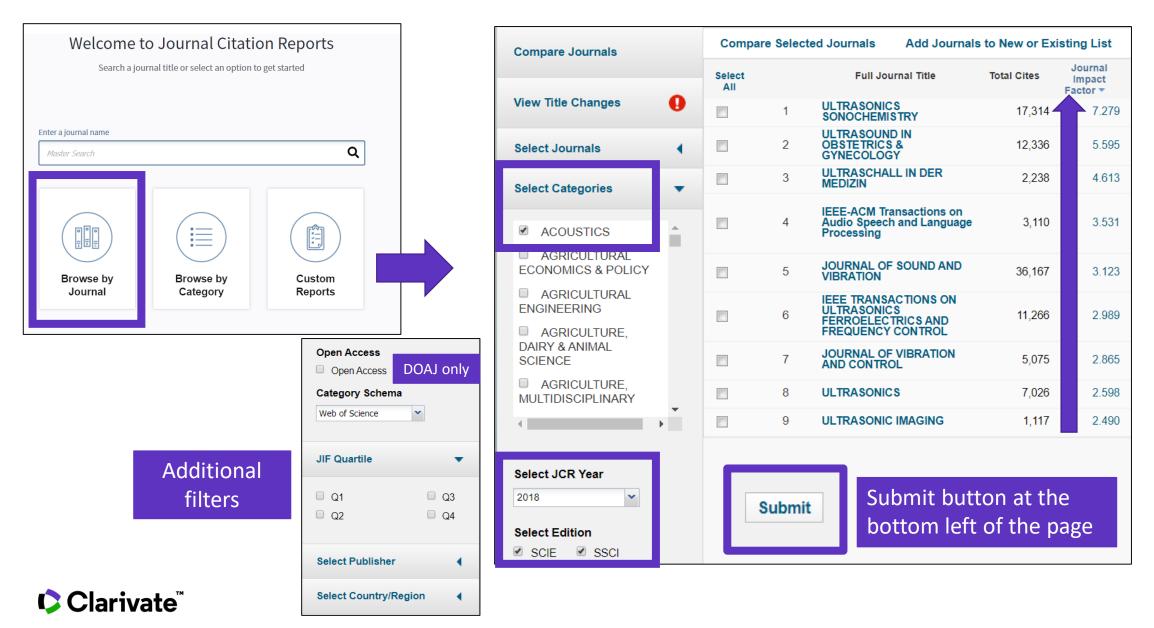
Unlinked

Citations to a journal that have incomplete data at the paper level, but are still included in the JIF calculation.

View metrics trends along the years

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								Customize col
Year 🗘	Total Cites 🗘	Journal ▲ Impact Factor ▼	Impact Factor without Journal Self Cites	5 Year 🔺 Impact Factor 🔻	Immediacy ▲ Index ▼	Citable ▲ Items ▼	% Articles in ↓ Citable Items	Average JIF Percentile
	🗸 Trend	Trend	Trend	Trend	<u>Trend</u>	Trend	Trend	Trend
√ 2018	77,893	5.605	5.333	5.960	1.214	481	95.01	85.172
<u>2017</u>	78,047	5.789	5.558	6.011	1.020	491	96.95	86.268
<u>2016</u>	76,719	5.455	5.181	6.215	1.233	571	99.65	85.870
<u>2015</u>	72,547	5.531	5.126	6.061	1.270	733	97.41	88.346
<u>2014</u>	72,536	6.209	5.688	6.544	1.022	882	96.94	88.672
<u>2013</u>	69,351	6.310	5.791	6.479	1.148	788	94.04	89.919
<u>2012</u>	68,170	6.430	5.895	6.568	1.087	809	95.80	89.754
<u>2011</u>	65,397	5.967	5.459	6.374	1.287	704	94.18	88.115
<u>2010</u>	66,192	6.495	5.941	6.438	1.209	712	97.61	89.224

Search journals within categories



Save and compare journals in JCR

Web of Science InCites Journal Citatio	on Reports Esse	ntial Science Indicators EndNot	te Publons	anne.delgad	lo@clarivate.com	- Help English	
InCites Journal Citat	ion Repo	orts				Clarivate Analytics	
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			Whe	en I wo	rk with ı	my personal	account,
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Go to Journal Profile	Journals By	Rank Categories I	By Rank				
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Compare Journals	Compare Se	elected Journals Add J	lournals to New or Ex	isting List	Custo	mize Indicators	_
		Full Journal Title	Total Cites	Journal Impact Factor 🔻	Average JIF Percentile		_
View Title Changes		CA-A CANCER JOURN FOR CLINICIANS	NAL 32,410	223.679	99.783	<u>^</u>	
Select Journals		2 Nature Reviews Mater	ials 7,901	74.449	99.649		
Select Categories		3 NEW ENGLAND JOUR MEDICINE	NAL OF 344,581	70.670	99.688		
Select JCR Year		4 LANCET	247,292	59.102	99.063		

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Save and compare journals in JCR



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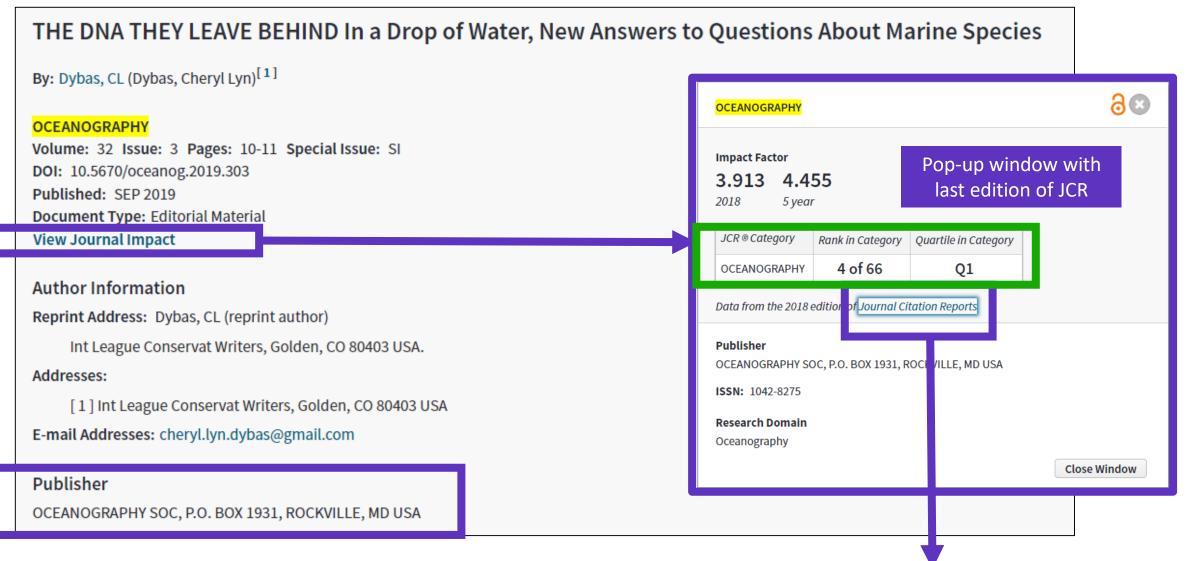
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See the latest journal impact factor in the Web of Science

Search		Tools 👻 Searches and alerts 👻	Search History Marked List	
Results: 76,438 (from Web of Science Core Collection)	Sort by: Date <u>Times Cited ↓</u> Usage Count Relevance More ↓		 ▲ 1 of 7,644 	
You searched for: TOPIC: ("growth h ormone")More	Select Page Export Add to Marked List		Citation Report feature not	
Create Alert			available. [?]	
	1. PREPARATION OF 1311-LABELLED HUMAN GROWTH HORN	IONE OF HIGH SPECIFIC RADIOACTIVITY	Times Cited: 10,397 (from Web of Science Core	
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Highly Cited in Field (118)		MULTIDISCIPLINARY SCIENCES 1 of 64	Q1	
		Data from the 2017 edition Journal Citation Report	s	
		Publisher MACMILLAN MAGAZINES LTD, PORTERS SOUTH, 4 CRINAN ST, LONDON N1 9XW, ENGLAND		
		ISSN: 0028-0836		
		Research Domain Science & Technology - Other Topics		
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See the latest journal impact factor in the Web of Science



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Search all papers published by a journal

Select a database Web of Science Core Collection	•		
Basic Search Author Search Cited Reference Search Advanced	Search Structure Sea	rch	
Example: Cancer* OR Molecular Cancer	Publicat	tion Name	 Search
Select from Index Timespan		 Topic Title Author	Publication Name Searches for journal titles, book t proceedings titles, and more. Also referred to as "source titles." Examples:
All years (1900 - 2019) More settings		Publication Name Year Published Funding Agency	clin* nucl* med* "Journal of Agricultural and Food Chemistry"
Web of Science Core Collection: Citation Indexes Science Citation Index Expanded (SCI-EXPANDED)1900-present	Auto	-suggest publication names	t this option ON after
	with your account		



Thank you

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