

2018 Journal Citation Reports

Every journal has a story to tell

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Every journal has a story to tell



THE JOURNAL CITATION REPORTS (JCR) IS

- **Journal Intelligence**

- It includes journal metrics and indicators, such as the Journal Impact Factor, but also provides other descriptive and contextual information.

- **With transparency**

- You can not only *see* the data but also *see through* the data to a more nuanced consideration of journal value.
- With new article-level data, you have a clearer understanding of the quality of the articles included in the journal as well as the relationship between the article and the journal.

- **To show value of journals**

- The value of the journal is more than just a sum of its parts, value is also derived from the reciprocal relationship between the quality of a journal *and* the quality of its content. Good articles make for a good journal, and a good journal enhances a good article.
- The JCR is uniquely focused on the journal and its role in the network of scholarly communication.

Clarivate Analytics is publisher-neutral

Clarivate Analytics is not a publisher

From the sources we select for indexing to the metrics we provide, we are free from conflict of interest in primary publishing.



WHY JOURNAL EVALUATION?



Which journals should I keep/remove from my collection?

Which are the principal journals in my field?

How does my journal perform compared to competitor journals?

Which journals should I publish in?

Where will my article get better exposure?

LIBRARIANS

Make informed decisions to add, archive, or remove journals from your collections



PUBLISHERS & EDITORS

Determine your journals' influence in the marketplace and review editorial functions



RESEARCH MANAGERS & INFORMATION ANALYSTS

Track publication and citation patterns to aid your strategy and policy decisions



RESEARCHERS

Identify the most influential journals in which to publish



1975

First year for JCR—published as part of the Science Citation Index—included JIF and Immediacy Index covering 2,630 journals



1978

First year for **Social Science Citation Index edition** with 1,285 journals. Source data listing also added.



1979

Cited half-life added



1980

Subject category rankings introduced in both editions



2008

5-year JIF, Eigenfactor, and Article Influence Score introduced



2004

Category-level median and aggregate metrics introduced



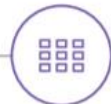
1998

JCR Web introduced



1995

JCR CD-Rom introduced



1990

JCR available on microfiche only



2014

JCR integration on InCites platform, now able to access both Science and Social Sciences in all years



2015

% Articles in Citable Items, Journal Impact Factor Percentile, and Normalized Eigenfactor added



2017

11,459 journals in 236 Categories
Percent Citable Items introduced



2018

Enhanced Journal Profile Page
Full transparency on Journal Impact Factor



11,655
Journals

276
New Journals

80
Countries

234
Categories

Average 10%
increase in JIF

20 Titles
Suppressed
(14 self-citing, 6 stacking,
2 from last year*)



JOURNAL
IMPACT
FACTOR

Click to check
FULL JOURNAL LIST

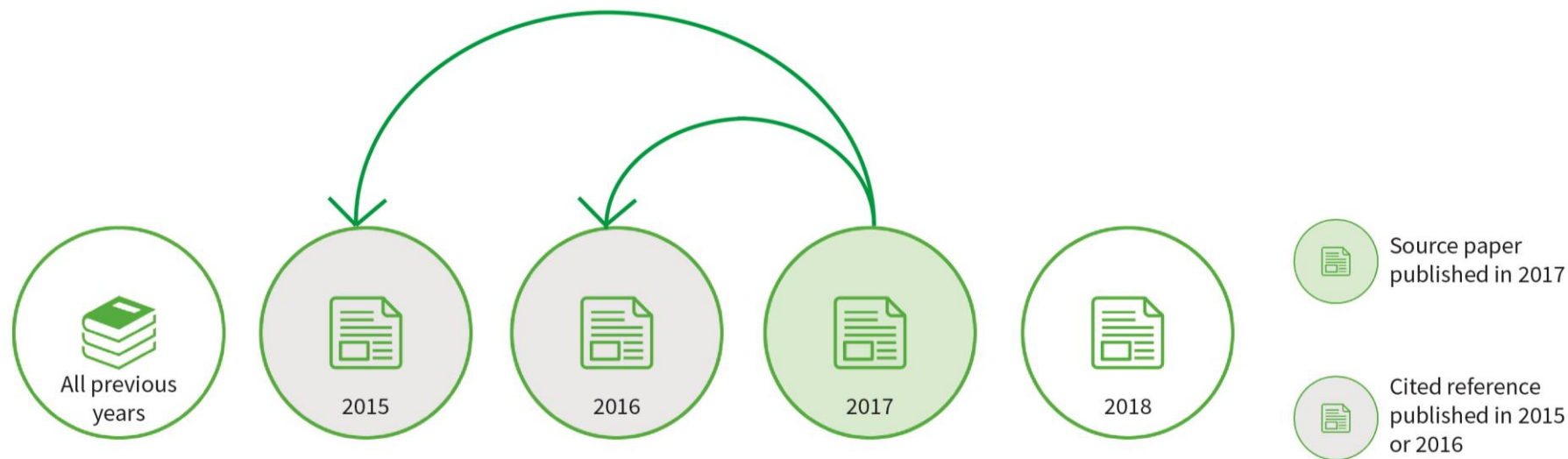
Click to check
NEW JOURNAL LIST

Editorial Expression of Concern

*2018 release of 2017 data



2017 Journal Impact Factor = (2017 citations to items in 2016 + 2017 citations to items in 2015) / (citable items in 2016 + citable items in 2015)



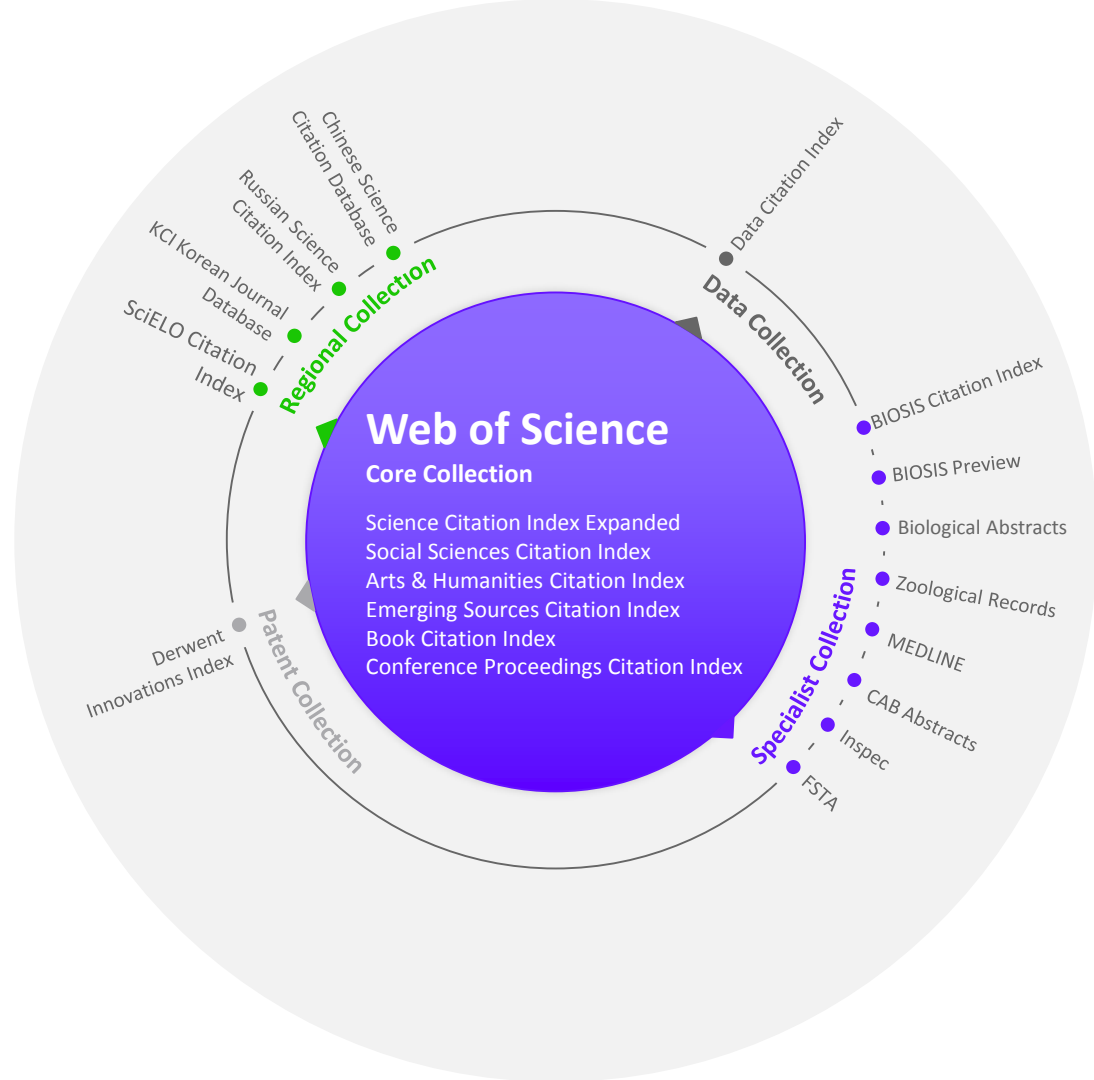
**2017 Journal
Impact Factor =**

Citations captured from journals, proceedings and books published in 2017 to any/all items published in the journal in 2015 or 2016

Numerator

Number of Articles and Reviews (citable items) published in the journal in 2015 and 2016

Denominator



34,000+
reviste unice

150 MILIOANE
înregistrări unice

1.5 MILIARDE
referințe citate



34,000+
reviste unice

150 MILIOANE
înregistrări unice

1.5 MILIARDE
referințe citate

Source of data - Cited References

Web of Science

Cited References: 51

(from Web of Science Core Collection)

From: Loading Rate Variations Along a Midcrustal Shear Zone Preceding the M(w)6.0 Earthquake of 24 August ...[More](#)

Page 1 of 2

Add to Marked List

4 of 3,663

Find Related Records >

Times Cited: 66

(from Web of Science Core Collection)

Times Cited: 100

(from Web of Science Core Collection)

1. **Fluid flow and seismicity pattern: Evidence from the 1997 Umbria-Marche (central Italy) seismic sequence**

By: Antonioli, A; Piccinini, D; Chiaraluce, L; et al.
GEOPHYSICAL RESEARCH LETTERS Volume: 32 Issue: 10 Article Number: L10311 Published: MAY 26 2005



[View Abstract](#)

2. **Extended Nucleation of the 1999 M-w 7.6 Izmit Earthquake**

By: Bouchon, Michel; Karabulut, Hayrullah; Aktar, Mustafa; et al.
SCIENCE Volume: 331 Issue: 6019 Pages: 877-880 Published: FEB 18 2011



[View Abstract](#)

3. **LIMITS ON LITHOSPHERIC STRESS IMPOSED BY LABORATORY EXPERIMENTS**

By: BRACE, WF; KOHLSTEDT, DL
JOURNAL OF GEOPHYSICAL RESEARCH Volume: 85 Issue: NB11 Published: NOV 10 1980



4. **FRICTION OF ROCKS**

By: BYERLEE, J
PURE AND APPLIED GEOPHYSICS Volume: 116 Issue: 4-5 Page: 519-526 Published: 1997



JCR is a quantitative analysis of Cited References to produce metrics:

- Cites to articles or reviews from SCI or SSCI published in 2015/2016 for Impact Factor 2017
- Cites to articles or reviews SCI & SSCI published 2016 for Immediacy Index
- Cites to all years (Total citations, Citing and Cited Half life)
- Journal Self Citations

Citation Network

In Web of Science Core Collection

1

Times Cited



Create Citation Alert

All Times Cited Counts

1 in All Databases

[See more counts](#)

51

Cited References

[View Related Records](#)

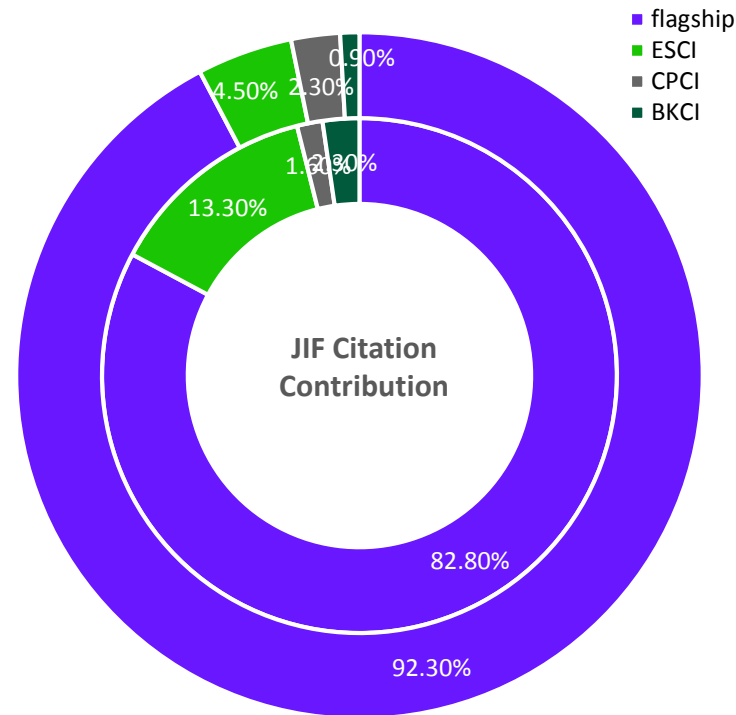
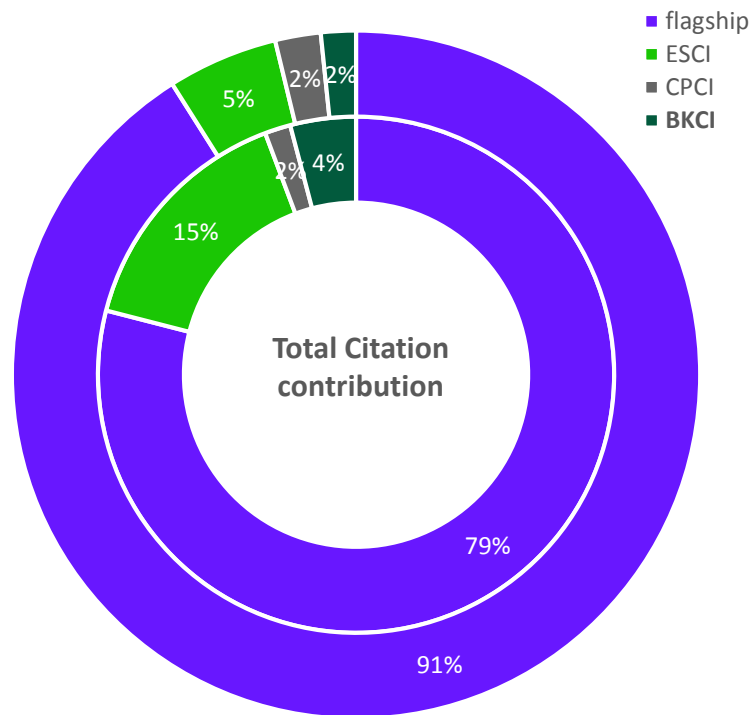
Most recently cited by:

episodes with earthquakes pointing toward the M(w)6.0 mainshock nucleation zone. These episodes are followed by an apparent quiescence within the main fault area. We suggest that the variations in the seismic activity along the SZ represent the brittle signature of the tectonic loading process enabling portions of the overlying normal faults to become unlocked.

Keywords

Where does the 2018 JCR data come from?

New 2018
Inclusion of the
Book Citation Index (BkCI)

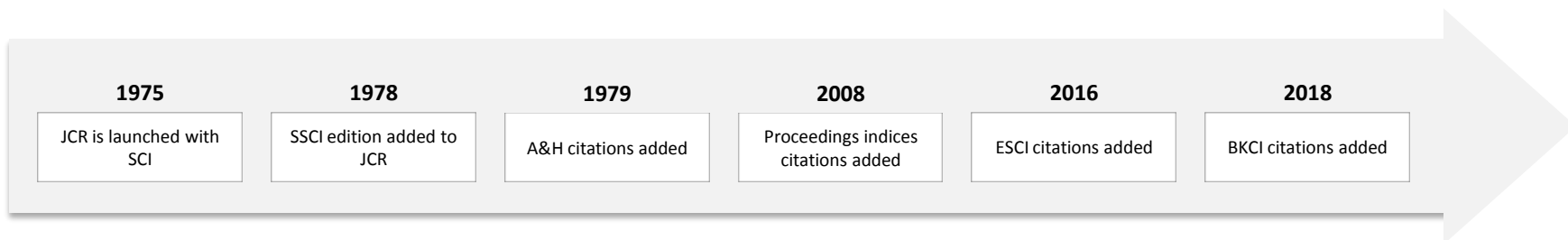


Inner Ring: Social Sciences Edition
Outer Ring: Sciences Edition

Where does the 2018 JCR data come from?

Our rationale behind the decision to include the Book Citation Index (BkCI)

- Having JCR report all of WoS Core **smooths the path between JCR and WoS**; the entire WoS Core Collection is part of how we define “impact” at the journal level.
- Including the BkCI in the JCR **allows us to show a multi-dimensional network of journal influence** in the JCR, an appropriate analog to the way we show that multi-dimensional network in WoS.
- Although books are likely to contribute relatively few citations to the JIF, they are likely to provide more citations to the **5-year Journal Impact Factor**, particularly for what people call “**slow moving fields**” where the book literature is a more important vehicle for the publication of primary research. They will also become a part of the Total Citations.



Where does the 2018 JCR data come from?


Our Early Access initiative in Web of Science is brought into this JCR version

Clarivate Analytics has responded to the need for rapid and immediate indexing of journal content through our indexing of **Early Access** items.

Colloidal Properties of Air, Oxygen, and Nitrogen Nanobubbles in Water: Effects of Ionic Strength, Natural Organic Matters, and Surfactants

By: Ahmed, Ahmed Khaled Abdella; Sun, Cuizhen; Hua, Likun; et al.

ENVIRONMENTAL ENGINEERING SCIENCE

 Early Access: DEC 2017

Times Cited: 2
(from Web of Science Core Collection)

Since 2013: 28 ✓

The forthcoming JCR data **include and count** these items in a way consistent with the overall plan for more **robust rollout of 2018 Early Access items in Web of Science**, and their corresponding full inclusion in 2018 JCR data (2019 release).

Where does the 2018 JCR data come from?

Our Early Access initiative in Web of Science is brought into this JCR version

How does Early Access count towards the JCR data?

JCR counts Early Access items with citable document types in the citable item count for the year corresponding to the Early Access version. These items also contribute to the JCR citation pool according to their Early Access publication year.

Most journals have a brief lag between Early Access and final pagination and would not see major changes in the 2018 JCR data when we have completed the rollout.

What's the contribution for this JCR?

There are ~375 source records included in the denominator of the Immediacy Index only, with ~2,700 citations counting towards the JIF numerator.

This small number of items accounts for a very minor contribution to JIF (0.2% average) for 11% of JCR journals.

The meaning of the Impact Factor and its appropriate application

The Journal Impact Factor is a very useful tool for **evaluation of journals**, but it must be used carefully.

At its core, the Journal Impact Factor is used to compare different journals within a certain field, bearing in mind considerations including the amount of review or other types of material published in a journal, variations between disciplines, and item-by-item impact.

- 1963, Eugene Garfield launches Science Citation Index, ISI, Philadelphia
- Garfield develops concept of **Citation Indexing** for research discovery
- The Impact Factor was developed to **help select journals for SCI**
- Available in 1975



Miscellaneous

Title variants and Journal Impact Factor

Authors cite journals
inconsistently. Is the JCR still
capturing the citations?



Yes! Title variants are unified by the JCR team.

- A citation must include the journal title/variant and year to be calculated for the Journal Impact Factor.
- Publishers are encouraged to provide clear instructions to authors on how to cite the journal, especially for “online first” or “publish ahead of print” articles.

Title changes and Journal Impact Factor

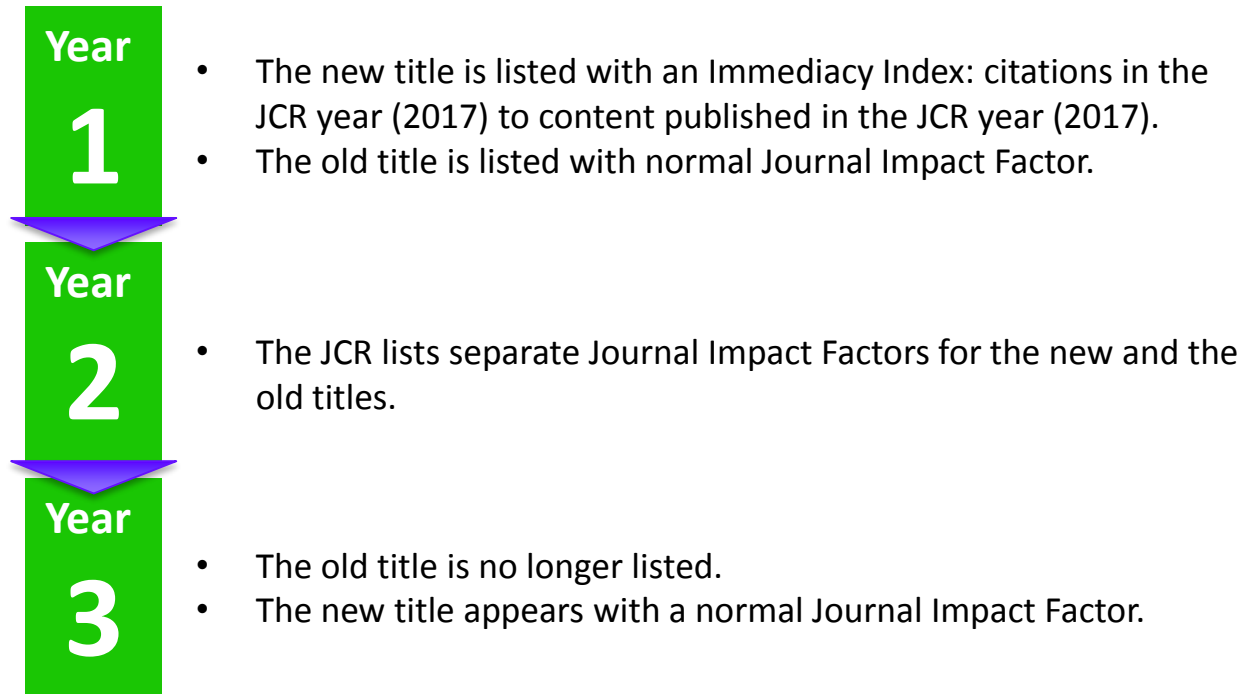


Table of contents and Journal Impact Factor

My journal added a new section over the past 2 years. Is this change captured in the JCR?



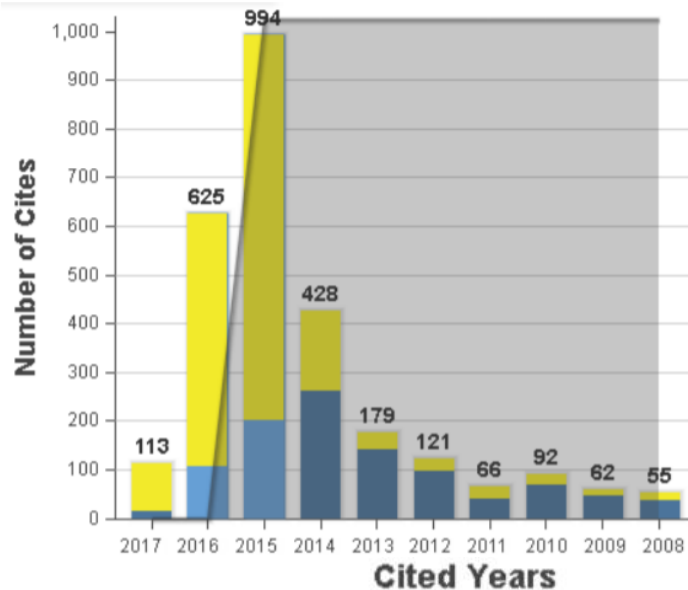
- Adding new sections or changing existing sections in a currently indexed journal can affect the Journal Impact Factor.
- Alert Publisher Relations to such changes: publisher.relations@clarivate.com

Supplements and Journal Impact Factor

**Citable items from these publications
are counted in the denominator.**

Ensure that Clarivate is aware of these issues, especially if they fall outside the stated frequency of the journal.

Title suppression Journal Self-Citation: Suppression of individual journals



What the suppressed
Journal metrics would
look like

Data considered:

- Total citations (TC)
- Journal Impact Factor (JIF)
- Rank in category
- % of journal self-citations in Journal Impact Factor numerator
- Proportional increase in Journal Impact Factor with/without journal self-citations
- Effect of journal self-citations on rank in category by Journal Impact Factor
- Journals in bottom 10% ranking by TC and/or by JIF are not suppressed
- Suppressed journals represent extreme outliers in citation behavior
- Science Edition and Social Sciences Edition are analyzed separately
- Journals are suppressed for one year, and re-evaluated with the next year's data.

Total Cites	2790	Self-Cites	1717 (61.514% of 2790)
Cites to Years Used in JIF Calculation	1619	Self-Cites to Years Used in JIF Calculation	1308 (80.791% of 1619)
Journal Impact Factor	10.722	Journal Impact Factor w/o Self-Cites	2.059

Title suppression Citation Stacking: Donor and Recipient Journal Pair Suppression

Cited Journal Data						
Impact	Citing Journal	All Yrs ▼	2017	2016	2015	2014
1	ALL Journals	1,263	45	295	409	203
2	ALL OTHERS (410)	410	12	61	120	71
3	2.058 RECIPIENT	188	19	67	71	11
4	0.771 DONOR 1	130	0	62	65	1
5	0.698 DONOR 2	79	0	24	21	27
6	1.391 DONOR 3	36	2	14	17	3
7	0.880 DONOR 4	25	0	5	16	3
8	0.889 DONOR 5	13	0	0	0	4
9	0.435 DONOR 6	13	0	6	4	0
10	0.167 DONOR 7	13	1	6	1	4
11	4.092 DONOR 8	8	1	2	1	2
12	1.129 DONOR 9	7	1	2	2	0

What the suppressed Journal metrics would look like

Data considered:

- Donor as % of Recipient's Total Citations
- Donor as % of Recipient's Journal Impact Factor numerator citations
- Concentration of citations exchanged into Journal Impact Factor numerator
- Identification of individual item(s) in Donor Journal with near-exclusive reference to Recipient journal(s)
- Journals in bottom 10% ranking by TC and/or by Journal Impact Factor, are not suppressed
- New titles, where citation activity is naturally concentrated, are not suppressed
- Suppressed journals represent extreme outliers in citation behavior
- Science Edition and Social Sciences edition are analyzed separately
- Donor and Recipient journals are suppressed for one year, and re-evaluated with the next year's data.

What's new in the 2018 JCR?

Additional metrics and contextual information

WHAT'S COMING	VALUE
Re-designed and enhanced journal profile page	➤ Better understand content, regions, and institutions that make a journal influential
Document-level transparency for JIF	➤ Validate the calculation of the JIF
New citation data & indicators -- Citation histogram; median cites to articles; median cites to reviews	➤ Identify relative contribution of different document types to JIF; See number/type of items that disproportionately drive JIF value
New contextual information -- Geographic representation of authors; list of top contributing institutions	➤ Understand global community of the journal and key user groups; Understand contribution of my articles to a journal's performance
Addition of BKCI citations to citation network	➤ See a more complete picture of the citation landscape of your journal

New Landing Page



Journal information

JIF context

Citation impact profile

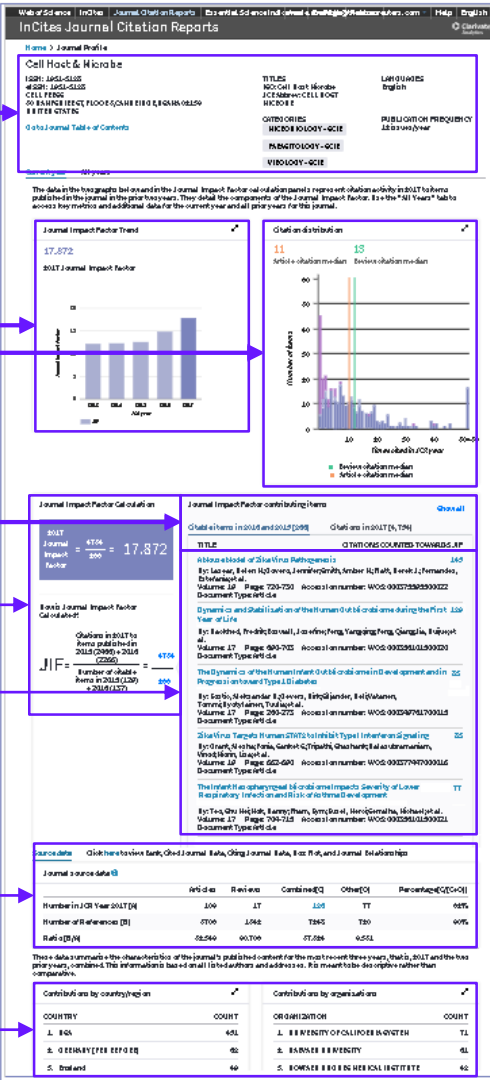
Fully transparent article data

JIF calculation details

Top-cited items in JIF

Current year information

Journal descriptor (3 years)



Context and content of the Journal Impact Factor

Journal Impact Factor Trend

9.281

2017 Journal Impact Factor



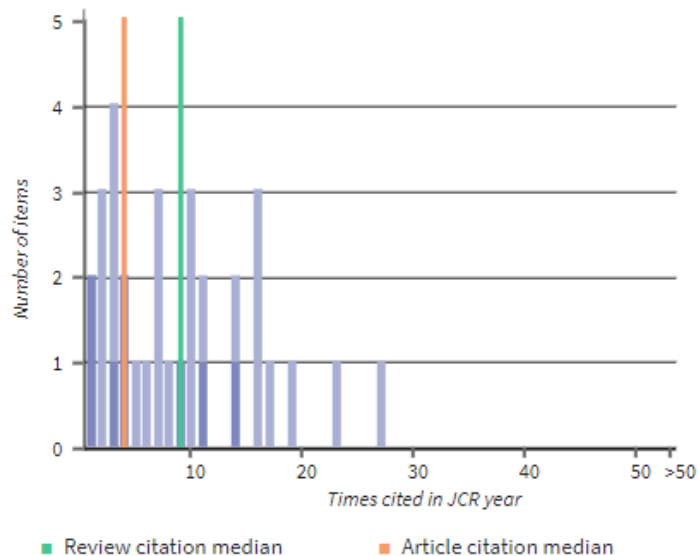
Citation distribution

4

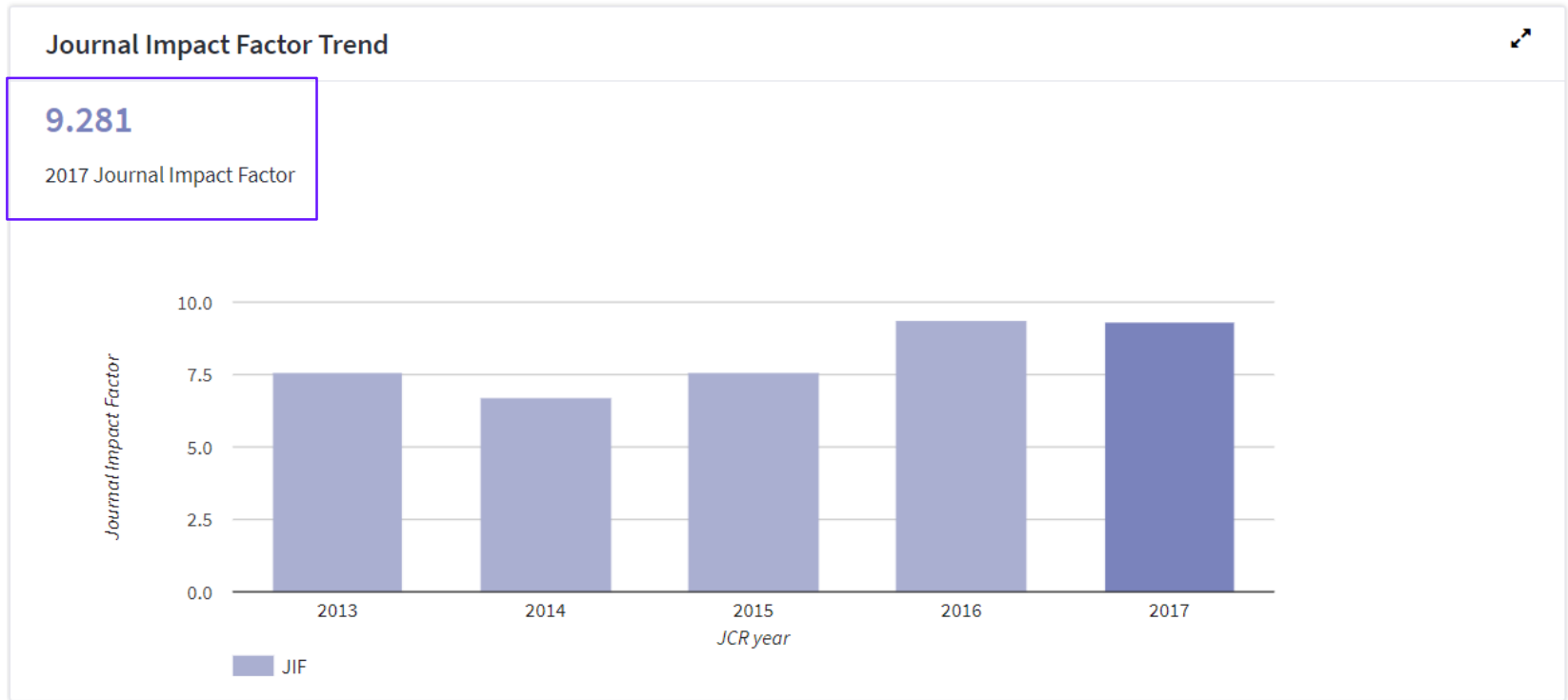
Article citation median

9

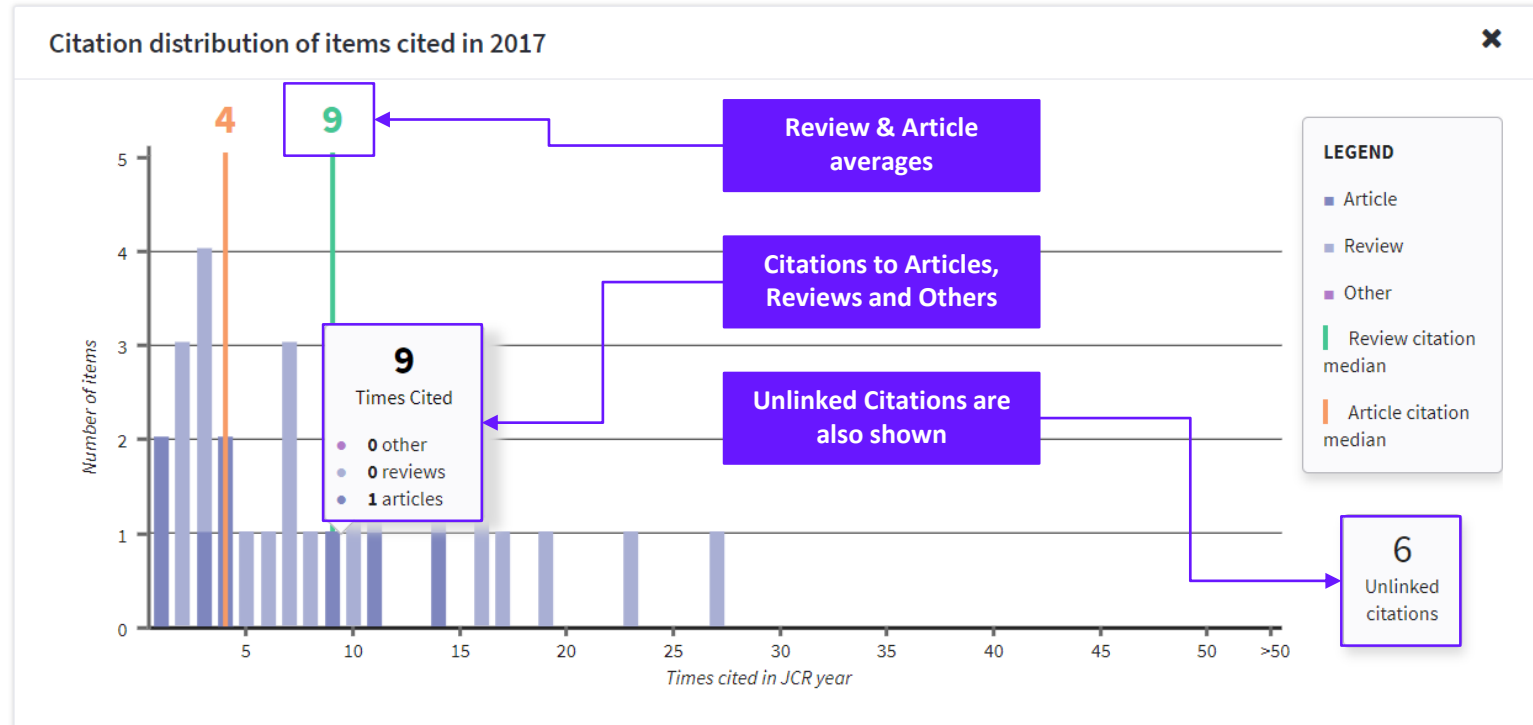
Review citation median



Context and content of the Journal Impact Factor



Context and content of the Journal Impact Factor



Data Transparency

Journal Impact Factor Calculation

$$\text{2017 Journal Impact Factor} = \frac{297}{32} = 9.281$$

How is Journal Impact Factor Calculated?

$$\text{JIF} = \frac{\text{Citations in 2017 to items published in 2015 (179) + 2016 (118)}}{\text{Number of citable items in 2015 (16) + 2016 (16)}} = \frac{297}{32}$$

Clear JIF calculation

Journal Impact Factor contributing items

[Show all](#)

Citable items in 2016 and 2015 (32)

Citations in 2017 (297)

TITLE	CITATIONS COUNTED TOWARDS JIF
-------	-------------------------------

A New Look at Social Support: A Theoretical Perspective on Thriving Through Relationships	27
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By: Feeney, Brooke C.; Collins, Nancy L.

Volume: 19 Page: 113-147 Accession number: WOS:000352534100003 Document Type:Review

Why Do People Regulate Their Emotions? A Taxonomy of Motives in Emotion Regulation	23
--	----

By: Tamir, Maya

Volume: 20 Page: 199-222 Accession number: WOS:000380356200001 Document Type:Review

The Incremental Validity of Narrative Identity in Predicting Well-Being: A Review of the Field and Recommendations for the Future	19
---	----

By: Adler, Jonathan M.; Lodi-Smith, Jennifer; Philippe, Frederick L.; Houle, Iliane

Volume: 20 Page: 142-175 Accession number: WOS:000374014200004 Document Type:Review

Parents' Self-Reported Attachment Styles: A Review of Links with Parenting Behaviors, Emotions, and Cognitions	17
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Links to view items in WoS

Show All allows drill down to see actual citations

Volume: 19 Page: 44-76 Accession number: WOS:000347171100003 Document Type:Review

Personality Traits and Personal Values: A Meta-Analysis	16
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Data Transparency

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Journal Impact Factor contributing items

[Show all](#)

Showing 297 citations in 2017

[View in Web of Science](#) [Export](#) [×](#)

CITING JOURNAL	CITES
+ FRONTIERS IN PSYCHOLOGY	18
+ PERSONALITY AND SOCIAL PSYCHOLOGY BULLETIN	11
+ PERSONALITY AND INDIVIDUAL DIFFERENCES	10
+ CURRENT OPINION IN PSYCHOLOGY	9
+ EMOTION	8
+ EUROPEAN JOURNAL OF PERSONALITY	6
+ JOURNAL OF PERSONALITY	5
+ JOURNAL OF PERSONALITY AND SOCIAL PSYCHOLOGY	5
+ SOCIAL PSYCHOLOGICAL AND PERSONALITY SCIENCE	5
+ APPLIED COGNITIVE PSYCHOLOGY	4
+ DEVELOPMENTAL PSYCHOLOGY	4
+ PSYCHOLOGICAL BULLETIN	4
+ ANNUAL REVIEW OF PSYCHOLOGY, VOL 68	3

By: Jones, Jason D.; Cassidy, Jude; Shaver, Phillip R.

Volume: 19 Page: 44-76 Accession number: WOS:000347171100003 Document Type:Review

Personality Traits and Personal Values: A Meta-Analysis

Data Transparency

Journal Impact Factor Calculation

$$\text{2017 Journal Impact Factor} = \frac{297}{32} = 9.281$$

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Journal Impact Factor contributing items

[Show all](#)
[Citable items in 2016 and 2015 \(32\)](#)
[Citations in 2017 \(297\)](#)

Showing 297 citations in 2017

[View in Web of Science](#) [Export](#) ✕

CITING JOURNAL

CITES

Showing 297 citations in 2017

[View in Web of Science](#) [Export](#) ✕

CITING JOURNAL

CITES

— FRONTIERS IN PSYCHOLOGY

Shows journals, citing items and cited references

18

CITING ARTICLES

- + A Test and Extension of Lane and Terry's (2000) Conceptual Model of Mood-Performance Relationships Using a Large Internet Sample
By: Lane, Andrew M.; Terry, Peter C.; Devonport, Tracey J.; et al.
FRONTIERS IN PSYCHOLOGY Volume: 8 Published: 2017 Document Type: Article 1
- + Aesthetic Pleasure versus Aesthetic Interest: The Two Routes to Aesthetic Liking
By: Graf, Laura K. M.; Landwehr, Jan R.
FRONTIERS IN PSYCHOLOGY Volume: 8 Published: 2017 Document Type: Article 1
- + Attachment Avoidance Is Significantly Related to Attentional Preference for Infant Faces: Evidence from Eye Movement Data
By: Jia, Yuncheng; Cheng, Gang; Zhang, Dajun; et al.
FRONTIERS IN PSYCHOLOGY Volume: 8 Published: 2017 Document Type: Article 1
- + Can I Work with and Help Others in This Field ? How Communal Goals Influence Interest and Participations in STEM Fields
By: Boucher, Kathryn L.; Fuesting, Melissa A.; Diekman, Amanda B.; et al.
FRONTIERS IN PSYCHOLOGY Volume: 8 Published: 2017 Document Type: Review 1
- + ANNUAL REVIEW OF PSYCHOLOGY, VOL 68 3

By: Jones, Jason D.; Cassidy, Jude; Shaver, Phillip R.

Volume: 19 Page: 44-76 Accession number: WOS:000347171100003 Document Type: Review

Personality Traits and Personal Values: A Meta-Analysis

16

Data Transparency

UT	Author	Item Title	Source	Volume	Issue	Page Range	Publication Date	Publication Time	Document Type
WOS:0004	Zizzo, G.;E	A feasibility	ENERGY	140	null	1030-1046	01/1		
WOS:0004	Ma, Xin;Li	Applicatio	JOURNAL	324	null	17-24	01/1		
WOS:0003	Mao Ning;	A numeric	APPLIED E	192	null	213-221	15/0		
WOS:0004	Khayatian	Building e	APPLIED E	206	null	1062-1075	15/1		
WOS:0004	Shen, Sup	Investigat	ENERGY	137	null	172-182	15/1		
WOS:0004	Sun, Chan	Home dan	BUILDING	124	null	31-41	01/1		
WOS:0004	Jing, Rui;V	A study or	ENERGY A	144	null	117-128	01/0		
WOS:0004	Josijevic,	A METHOI	THERMAL	21	6	2931-2943	01/0		
WOS:0004	Macarulla	Modelling	BUILDING	117	null	146-153	15/0		
WOS:0004	Roach, Ph	Optimum	JOURNAL	23	4	null	01/1		
WOS:0004	Salgueiro-	Support V	2017 CHIL	null	null	null	01/0		
WOS:0003	Dehghan,	A new 1D	RENEWAB	108	null	615-621	01/0		
WOS:0004	Markovic,	Comparis	CISBAT 20	122	null	337-342	01/0		
WOS:0004	Mishra, A.	Analysing	BUILDING	125	null	464-474	15/1		
WOS:0004	Joybari, M	Heat trans	ENERGY C	152	null	136-156	15/1		
WOS:0004	Zhuang, Ji	Dynamic M	CONFERE	null	null	711-715	01/0		
WOS:0004	Azad, Pou	NUMERIC	QUID-INV	null	1	888-896	01/0		
WOS:0004	McLaggan	Flammabi	ENERGY A	153	null	439-447	15/1		
WOS:0004	Andrade-C	Ensemble	ENERGY A	155	null	513-532	15/1		
WOS:0004	Evola, G.;	Controller	JOURNAL	11	null	96-107	01/05/2017 12:00	2017	Article
WOS:0003	Picallo-Pe	Applicatio	ENERGY A	135	null	385-397	15/01/2017 12:00	2017	Article

Sort A to Z
Sort Z to A
Sort by Color
Clear Filter From "Document Type"
Filter by Color
Text Filters
Search



- ☒ (Select All)
- ☒ Article
- ☒ Book
- ☒ Book Chapter
- ☒ Correction, Addition
- ☒ Editorial Material
- ☒ Proceedings Paper
- ☒ Review

OK Cancel

When exporting the Citations data you can see all Cited Document Types.

Everything except Articles and Reviews are under 'Other' in the JCR interface. Notice Book citations.

Updated Journal Profile Page: Geographic and Institutional Distributions

Contributions by country/region 		Contributions by organizations 	
COUNTRY	COUNT	ORGANIZATION	COUNT
1. USA	31	1. UNIVERSITY OF CALIFORNIA SYSTEM	7
2. Canada	8	2. UNIVERSITY OF BRITISH COLUMBIA	4
3. Netherlands	7	3. UNIVERSITY OF GRONINGEN	3
4. GERMANY (FED REP GER)	6	- UNIVERSITY OF SOUTHERN CALIFORNIA	3
5. England	5	5. ARIZONA STATE UNIVERSITY	2
6. Australia	4	- UTRECHT UNIVERSITY	2
- Israel	4	- UNIVERSITY SYSTEM OF MARYLAND	2
8. CHINA MAINLAND	3	- UNIVERSITY OF NORTH CAROLINA CHAPEL HILL	2
9. Italy	2	- UNIVERSITY OF MELBOURNE	2

This new feature enables users to see who the top contributors to a journal are, at both institutional and country levels. These data summarize the characteristics of the journal's published content for 2017 and the two prior years, combined. They are descriptive data rather than comparative metrics.

Additional Resources

[LibGuides](#)

[Clarivate Analytics Essays Page](#)

Science Research Connect Posts:

- 🔗 [A Journal Is as a Journal Does: Four Emergent Properties of Journals in Scholarly Communication](#)
- 🔗 [Learning from History: Understanding the Origin of the JCR](#)
- 🔗 [Metaphor and Metrics](#)
- 🔗 [Journal Analysis: More than just Impact Factor](#)
- 🔗 [Counting is Easy; Metrics are Difficult](#)
- 🔗 [JCR Use Cases, Branding, and Terms of Use](#)
- 🔗 [Choosing Your Publication Destination Wisely](#)

Register [here](#) for the
Journal Citation Reports 2018 Webinar

If you have technical issues with the 2018 JCR
<https://support.clarivate.com/WebOfScience>

Mai multe resurse

1. Clarivate Libguides <http://clarivate.libguides.com/home>
2. Web of Science You Tube Channel
<https://www.youtube.com/user/WoSTraining>

Clarivate Analytics is an independent company on a bold entrepreneurial mission to help our clients radically reduce the time from new idea to life-changing innovation.

How can we help *you*?



clarivate.com/contact-us



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Analytics