# Impact factor and citation index of Publication

# The man who started it all!
# Eugene Garfield

# The article that got the ball rolling:

## Citation Indexes for Science

### A New Dimension in Documentation through Association of Ideas

Eugene Garfield

"The uncritical citation of disputed data by a writer, whether it be deliberate or not, is a serious matter. Of course, knowingly propagandizing unsubstantiated claims is particularly abhorrent, but just as many naive students may be swayed by unfounded assertions presented by a writer who is unaware of the criticisms. Buried in scholarly journals, critical notes are increasingly likely to be overlooked with the passage of time, while the studies to which they pertain, having been reported more widely, are apt to be rediscovered." (*1*)

In this paper I propose a bibliographic system for science literature that can eliminate the uncritical citation of fraudulent, incomplete, or obsolete data by making it possible for the conscientious scholar to be aware of criticisms of earlier papers. It is too much to expect a research worker to spend an inordinate amount of time searching for the bibliographic descendants of antecedent papers. It would not be excessive to de-

approach to subject control of the literature of science. By virtue of its different construction, it tends to bring together material that would never be collated by the usual subject indexing. It is best described as an association-of-ideas index, and it gives the reader as much leeway as he requires. Suggestiveness through association-of-ideas is offered by conventional subject indexes but only within the limits of a particular subject heading.

If one considers the book as the macro unit of thought and the periodical article the micro unit of thought, then the citation index in some respects deals in the submicro or molecular unit of thought. It is here that most indexes are inadequate, because the scientist is quite often concerned with a particular idea rather than with a complete concept. "Thought" indexes can be extremely useful if they are properly conceived and developed.

In the literature-searching process, indexes play only a small, although significant, part. Those who seek comprehensive indexes to the literature of science fail to

case. Classified indexes are also dependent upon a subject analysis of individual articles and, at best, offer us better consistency of indexing rather than greater specificity or multiplicity in the subject approach. Similarly, terminology is important, but even an ideal standardization of terminology and nomenclature will not solve the problem of subject analysis.

What seems to be needed, then, in addition to better and more comprehensive indexes, 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 —that is, authors—and the subject approach of the scientist who seeks information.

Since 1873 the legal profession has been provided with an invaluable research tool known as *Shepard's Citations,* published by Shepard's Citations, Inc., Colorado Springs, Colo. (*2*). A citation index is published for court cases in the 48 states as well as for cases in Federal courts. Briefly, the Shepard citation system is a listing of individual American court cases, each case being followed by a complete history, written in a simple code. Under each case is given a record of the publications that have *referred* to the case, the other court decisions that have affected the case, and any other references that may be of value to the lawyer. This type of listing is particularly important to the lawyer, because, in law, much is based on precedent.

Citation indexes depend on a simple system of coding entries, one that requires minimum space and facilitates the gathering together of a great volume of

# Why is this different?

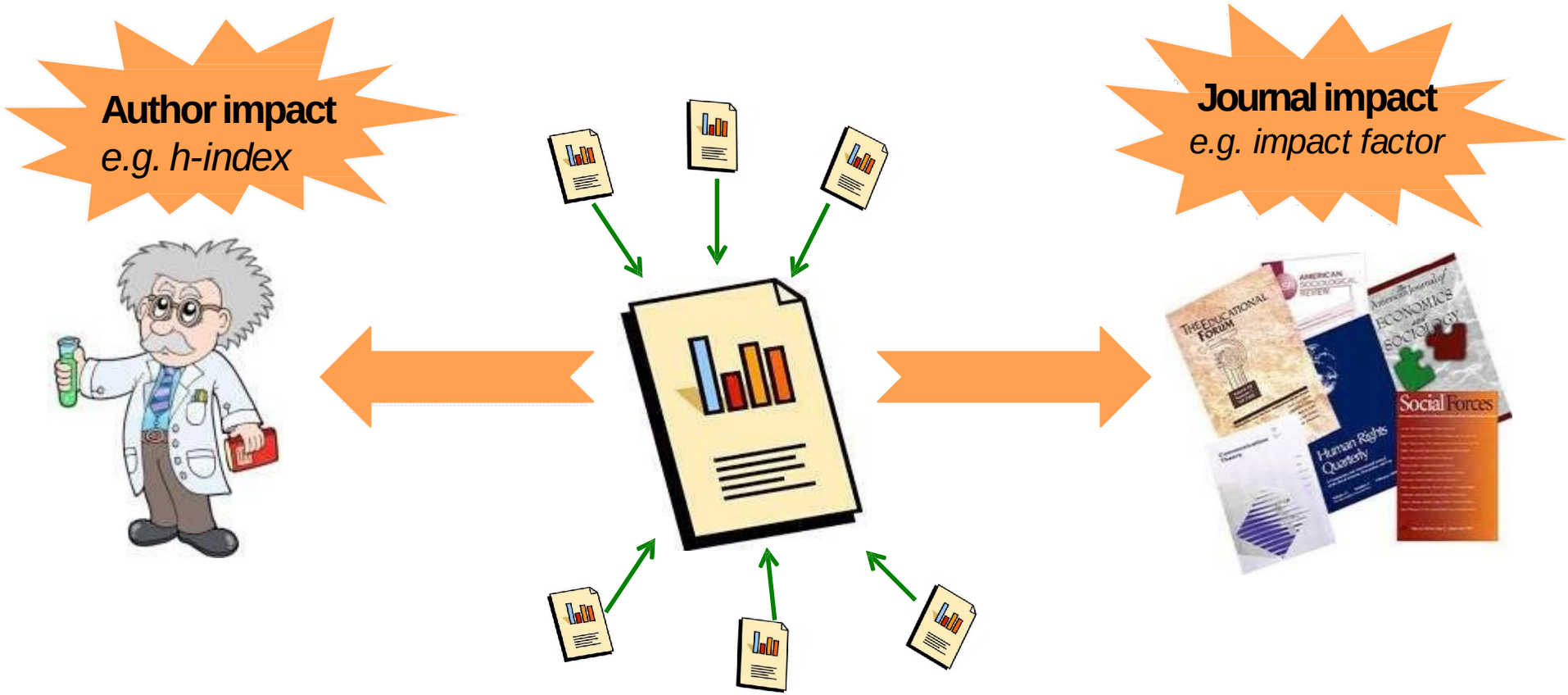
- Based on law indexing (Shepard's Citations) 1873
- Subject indexes to scientific literature were in existence
- Garfield suggests that each article is given a code and all works that cited that article would be linked to the original article.

# Citation Analysis

- **Citation analysis** provides the ability to track the work of authors, the influence of papers and the trajectory of research ideasby examining citation counts in key research databases and online sources

- **A citation count** refers to the number of times one paper has been cited or referencedin the work of another

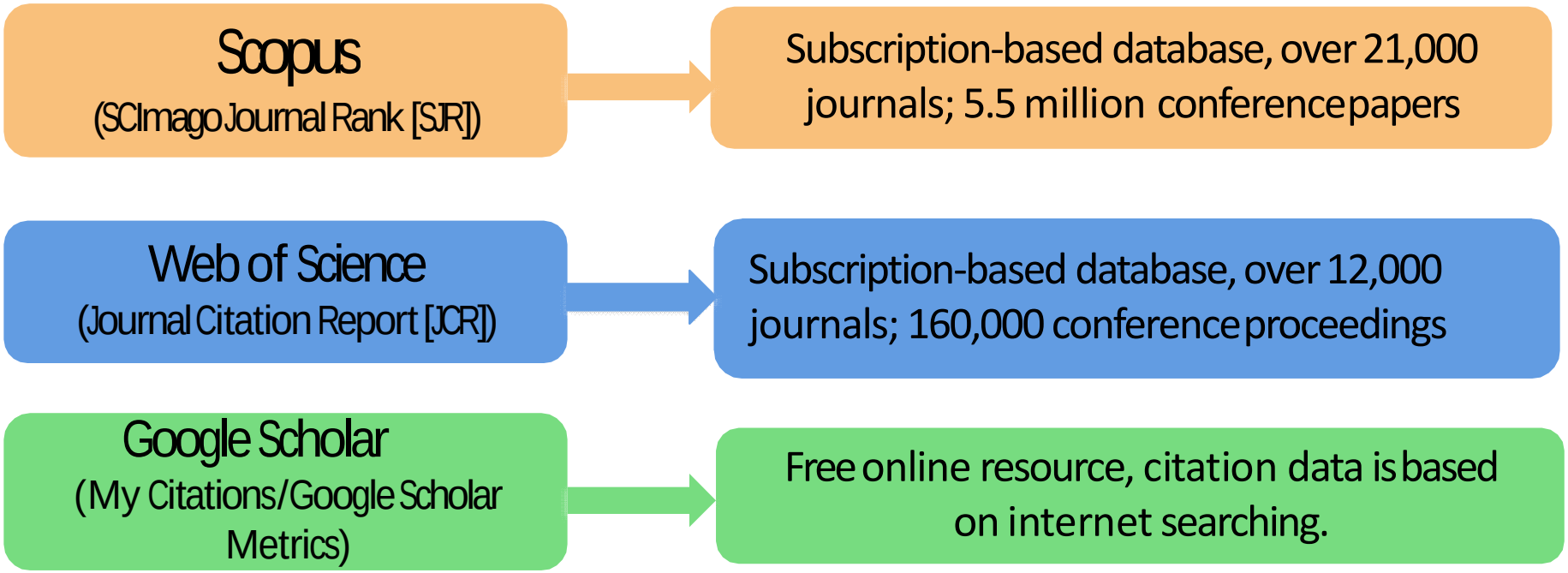
# It All Starts With A Citation…



# Which Tools To Use?

- There are three key databases/online resources that are used as sources of citation data
- Due to their differing coverage – citation counts will also differ.

**There is no one source that will index all scholarly publications, therefore it is important to search all three available sources*



# Journal Impact Factor Formula

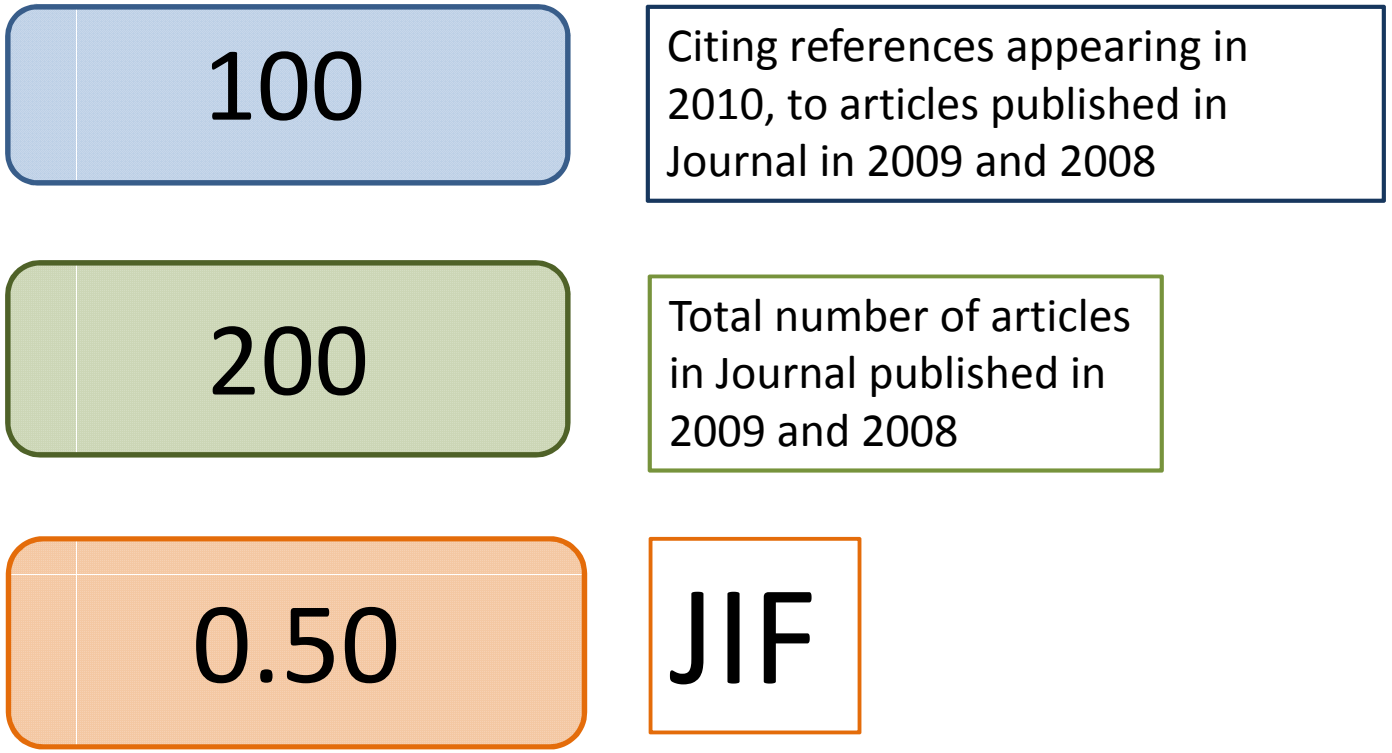
$$\frac{\text{The number of times articles published in (2 years) were cited by indexed journals}}{\text{Total number of citable items (2 years)}}$$

# In Simpler Terms

The impact factor is a measure reflecting the average number of citations to articles published in science and social science journals.

# Journal Impact Factor

- *Journal of Hypothetical Examples*



# Other Methods

- H Index (or H factor)
- i10 index

# What is a H-index?

- An index that quantifies both the actual scientific productivity and the apparent scientific impact of a scientist

- A scholar with an index of 40 means that the scholar has published 40 papers each of which has been cited by others at least 40 times

Source: Wikipedia

# h-Index

- h-index developed in 2005 by Jorge Hirsch, University of California in San Diego

- Attempts to quantify productivity and apparent scientific impact of a scientist.

  "A scientist has index h if h of his/her Np papers have at least h citations each, and the other (Np − h) papers have no more than h citations each".

- For example, an h-index of 20 means that the researcher has 20 papers each of which has been cited 20 or more times

- Calculated by Scopus, WoS, Google Scholar, but only for those papers within the database

Google Scholar

# C. N. R. Rao

Professor of Chemistry
Verified email at jncasr.ac.in
Materials Chemistry  Solid State Chemistry

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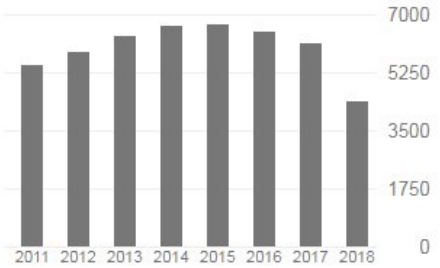
| TITLE | CITED BY | YEAR |
|---|---|---|
| Graphene: the new two-dimensional nanomaterial<br>CNR Rao, AK Sood, KS Subrahmanyam, A Govindaraj<br>Angewandte Chemie International Edition 48 (42), 7752-7777 | 3133 | 2009 |
| Chemical applications of infrared spectroscopy<br>CNR Rao<br>Academic Press, | 2136 | 1963 |
| Metal carboxylates with open architectures<br>CNR Rao, S Natarajan, R Vaidhyanathan<br>Angewandte Chemie International Edition 43 (12), 1466-1496 | 1911 | 2004 |
| MoS2 and WS2 analogues of graphene<br>HSS Ramakrishna Matte, A Gomathi, AK Manna, DJ Late, R Datta, ...<br>Angewandte Chemie International Edition 49 (24), 4059-4062 | 1258 | 2010 |
| Synthesis, structure, and properties of boron-and nitrogen-doped graphene<br>LS Panchakarla, KS Subrahmanyam, SK Saha, A Govindaraj, ...<br>Advanced Materials 21 (46), 4726-4730 | 1253 | 2009 |

Cited by  VIEW ALL

| | All | Since 2013 |
|---|---|---|
| Citations | 102818 | 36806 |
| h-index | 145 | 86 |
| i10-index | 1209 | 588 |




Co-authors

A. K. Sood
Professor of Physics, Indian Insti...

- h-index is the largest number h such that h publications have at least h citations. The second column has the "recent" version of this metric which is the largest number h such that h publications have at least h new citations in the last 5 years

- i10-index is the number of publications with at least 10 citations. The second column has the "recent" version of this metric which is the number of publications that have received at least 10 new citations in the last 5 years

Change photo

# T. Medhat Edit

Lecturer of Computer Science, Kafrelsheikh University Edit

Augmented Reality - Decision Making - Information Systems - Neural Networks - Rough Sets Edit

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My profile is public Edit Link Homepage Edit

User profile was successfully updated.

**Citation indices**

| | All | Since 2008 |
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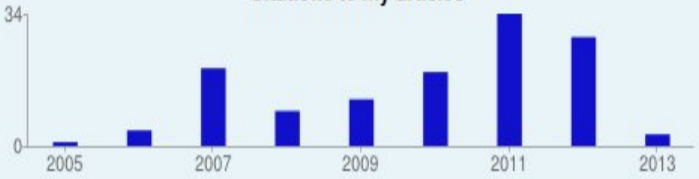
| Citations | 132 | 105 |
| h-index | 4 | 3 |
| i10-index | 2 | 2 |

**Citations to my articles**




Select: All, None Actions Show: 20 1-20 Next >

| Title / Author | Cited by | Year |
|---|---|---|
| Rough set theory for topological spaces<br>EF Lashin, AM Kozae, AA Abo Khadra, T Medhat<br>International Journal of Approximate Reasoning 40 (1), 35-43 | 73 | 2005 |
| Topological reduction of information systems<br>EF Lashin, T Medhat<br>Chaos, Solitons & Fractals 25 (2), 277-286 | 39 | 2005 |
| Topological Applications on information Analysis by Rough Sets<br>T Medhat<br>Faculty of Engineering, Tanta University, Egypt | 5 | 2004 |
| Dimensionality Reduction Using Rough Set Approach for Two Neural Networks-Based Applications<br>M Sammany, T Medhat<br>Rough Sets and Intelligent Systems Paradigms, 639-647 | 4 | 2007 |
| ological Approach for Approximation Space (TAS) | | |

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Taher Sharshar

View all co-authors

Name
Email
Inviting co-author
Send invitation

# i10 Index

- i10 Index

  i10-index is the number of publications with at least 10 citations

Change photo

## Karen Blakeman Edit

RBA Information Services Edit

Search tools - microbiology - permaculture Edit

Verified email at rba.co.uk Edit

My profile is public Edit Link Add homepage

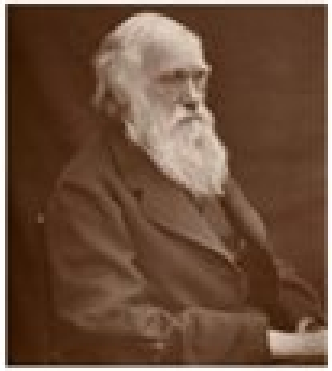
**Citation indices**

| | All | Since 2008 |
|---|---|---|
| Citations | 33 | 11 |
| h-index | 2 | 2 |
| i10-index | 1 | 0 |

**Citations to my articles**


Select: All, None Actions 1-10

| Title / Author | Cited by | Year |
|---|---|---|
| IT strategies for information management<br>D Bawden, K Blakeman<br>Butterworths | 24 | 1990 |
| Part II: Social media: Essential for research, marketing and branding<br>K Blakeman, S Brown<br>Bulletin of the American Society for Information Science and Technology 37 ... | 4 | 2010 |



# Charles Robert Darwin

naturalist (1809-1882)
life sciences - evolution - biogeography - speciation - natural selection
Verified email at unr.edu.ar
Homepage

**Citation indices**

| | All | Since 2008 |
|---|---|---|
| Citations | 77539 | 27837 |
| h-index | 80 | 49 |
| i10-index | 331 | 159 |

**Citations to my articles**


Select: All, None Export Show: 20 1-20 Next >

| Title / Author | Cited by | Year |
|---|---|---|
| Origin of species<br>CMA Darwin<br>DMP | 21606 * | 1978 |
| The descent of man<br>C Darwin<br>Digireads. Com | 11815 | 2009 |
| The expression of the emotions in man and animals<br>C Darwin | 9556 | 2002 |

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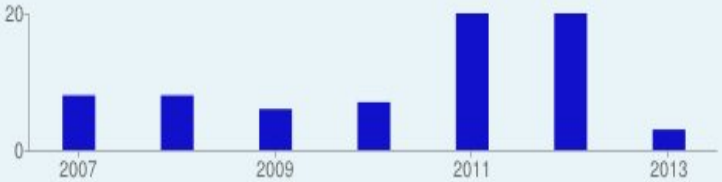
| | | |
|---|---|---|
| Title | Rough set theory for topological spaces | [PDF] from researchgate.net |
| Authors | EF Lashin, AM Kozae, AA Abo Khadra, T Medhat | |
| Publication date | 2005/7/31 | |
| Journal name | International Journal of Approximate Reasoning | |
| Volume | 40 | |
| Issue | 1 | |
| Pages | 35-43 | |
| Publisher | Elsevier | |
| Description | The topology induced by binary relations is used to generalize the basic rough set concepts. The suggested topological structure opens up the way for applying rich amount of topological facts and methods in the process of granular computing, in particular, the notion of topological membership functions is introduced that integrates the concept of rough and fuzzy sets. | |

Total citations: Cited by 73

Citations per year




Scholar articles

Rough set theory for topological spaces
EF Lashin, AM Kozae, AA Abo Khadra, T Medhat - International Journal of Approximate Reasoning, 2005
Cited by 73 - Related articles - All 4 versions

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*Dates and citation counts are estimated and are determined automatically by a computer program.*

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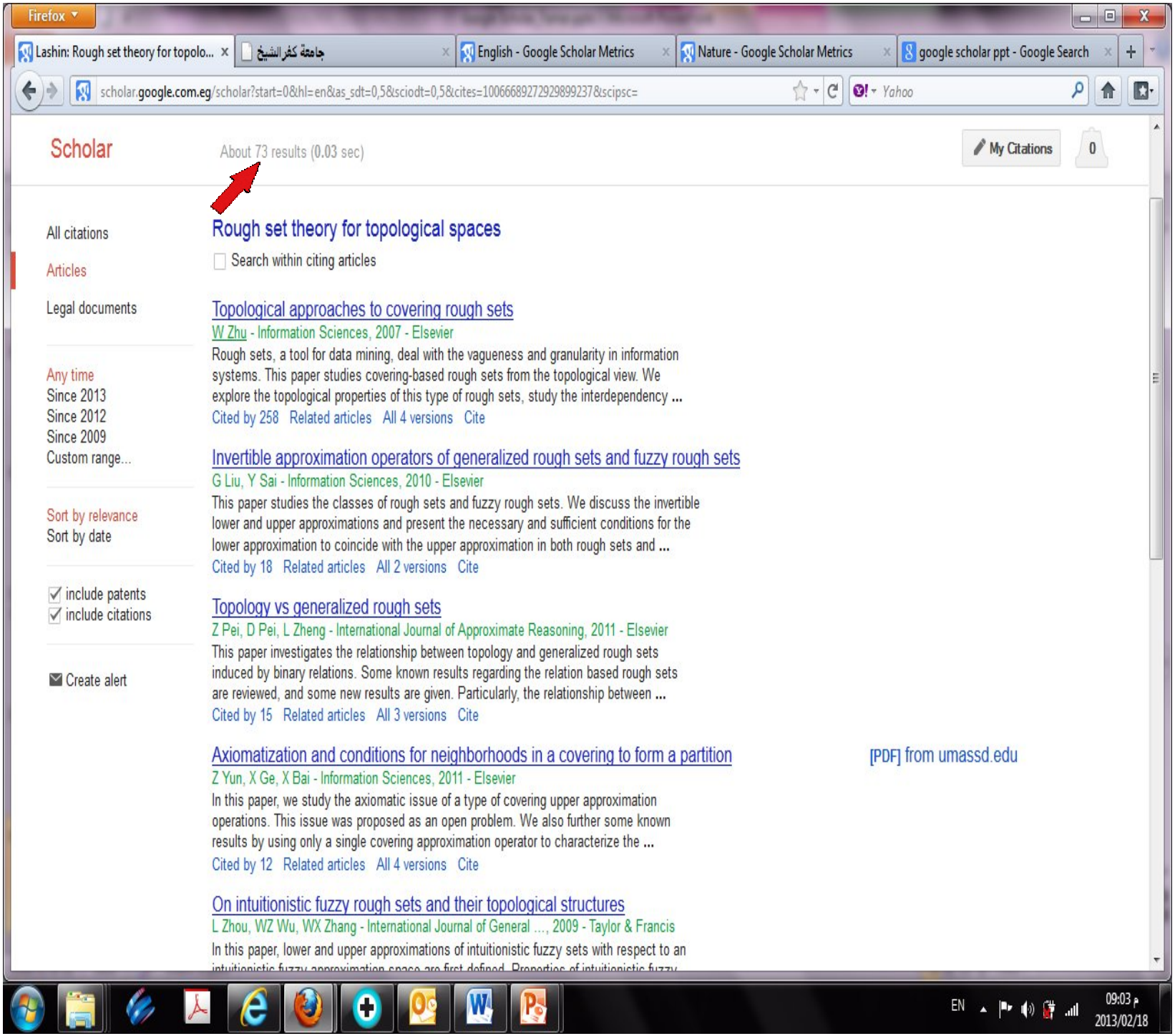
Firefox
Lashin: Rough set theory for topolo...
جامعة كفر الشيخ
English - Google Scholar Metrics
Nature - Google Scholar Metrics
google scholar ppt - Google Search
scholar.google.com.eg/scholar?start=0&hl=en&as_sdt=0,5&sciodt=0,5&cites=10066689272929899237&scipsc=
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Scholar
About 73 results (0.03 sec)
My Citations
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All citations
Articles
Legal documents
Any time
Since 2013
Since 2012
Since 2009
Custom range...
Sort by relevance
Sort by date
include patents
include citations
Create alert
Rough set theory for topological spaces
Search within citing articles
Topological approaches to covering rough sets
W Zhu - Information Sciences, 2007 - Elsevier
Rough sets, a tool for data mining, deal with the vagueness and granularity in information systems. This paper studies covering-based rough sets from the topological view. We explore the topological properties of this type of rough sets, study the interdependency ...
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Invertible approximation operators of generalized rough sets and fuzzy rough sets
G Liu, Y Sai - Information Sciences, 2010 - Elsevier
This paper studies the classes of rough sets and fuzzy rough sets. We discuss the invertible lower and upper approximations and present the necessary and sufficient conditions for the lower approximation to coincide with the upper approximation in both rough sets and ...
Cited by 18 Related articles All 2 versions Cite
Topology vs generalized rough sets
Z Pei, D Pei, L Zheng - International Journal of Approximate Reasoning, 2011 - Elsevier
This paper investigates the relationship between topology and generalized rough sets induced by binary relations. Some known results regarding the relation based rough sets are reviewed, and some new results are given. Particularly, the relationship between ...
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Axiomatization and conditions for neighborhoods in a covering to form a partition
[PDF] from umassd.edu
Z Yun, X Ge, X Bai - Information Sciences, 2011 - Elsevier
In this paper, we study the axiomatic issue of a type of covering upper approximation operations. This issue was proposed as an open problem. We also further some known results by using only a single covering approximation operator to characterize the ...
Cited by 12 Related articles All 4 versions Cite
On intuitionistic fuzzy rough sets and their topological structures
L Zhou, WZ Wu, WX Zhang - International Journal of General ..., 2009 - Taylor & Francis
In this paper, lower and upper approximations of intuitionistic fuzzy sets with respect to an
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# g-index

The g-index is a cumulative index, suggested by Leo Egghe quoted here from (Wikipedia 2014d):

Given a set of articles ranked in decreasing order of the number of citations that they received, the g-index is the (unique) largest number such that the top *g articles received (together) at least* $g^2$ *citations.*

The g-index should be evaluated according to the method in the box and can be written as

# g-index

The g-index should be evaluated according to the method in the box and can be written as

$$g^2 \leq \sum_{i \leq g} c_i$$

.

Transformed it can be seen that $g$ is compared with the average of the first $g$ papers:

$$g \leq \frac{1}{g} \sum_{i \leq g} c_i$$

.

# g-index for Professor X

The top g articles received (altogether) at least g squared citations.

| Document no. (g) | Citation count | Square of g | Total no. of citations |
|---|---|---|---|
| Document 1 | 50 cites | 1 | 50 |
| Document 2 | 18 cites | 4 | 50+18 = 68 |
| Document 3 | 11 cites | 9 | 68+11 = 79 |
| Document 4 | 7 cites | 16 | 79+7 = 86 |
| Document 5 | 4 cites | 25 | 86+4 = 90 |
| Document 6 | 3 cites | 36 | 90+3 = 93 |
| Document 7 | 1 cites | 49 | 93+1=94 |
| Document 8 | 1 cites | 64 | 94+1=95 |
| Document 9 | 1 cites | 81 | 95+1=96 |
| Document 10 | 1 cites | 100 | 96+1=97 |

# Journal Citation Reports
# JCR

- JCR distills citation trend data for 10,000+ journals from more than 25 million cited references indexed by Thomson Reuters every year
- Science Edition and Social Sciences Edition released annually
- Science Edition covers 7,200+ journals in 171 subject categories
- Social Sciences Edition covers 2,100+ journals in 55 subject categories

# When we talk about impact…

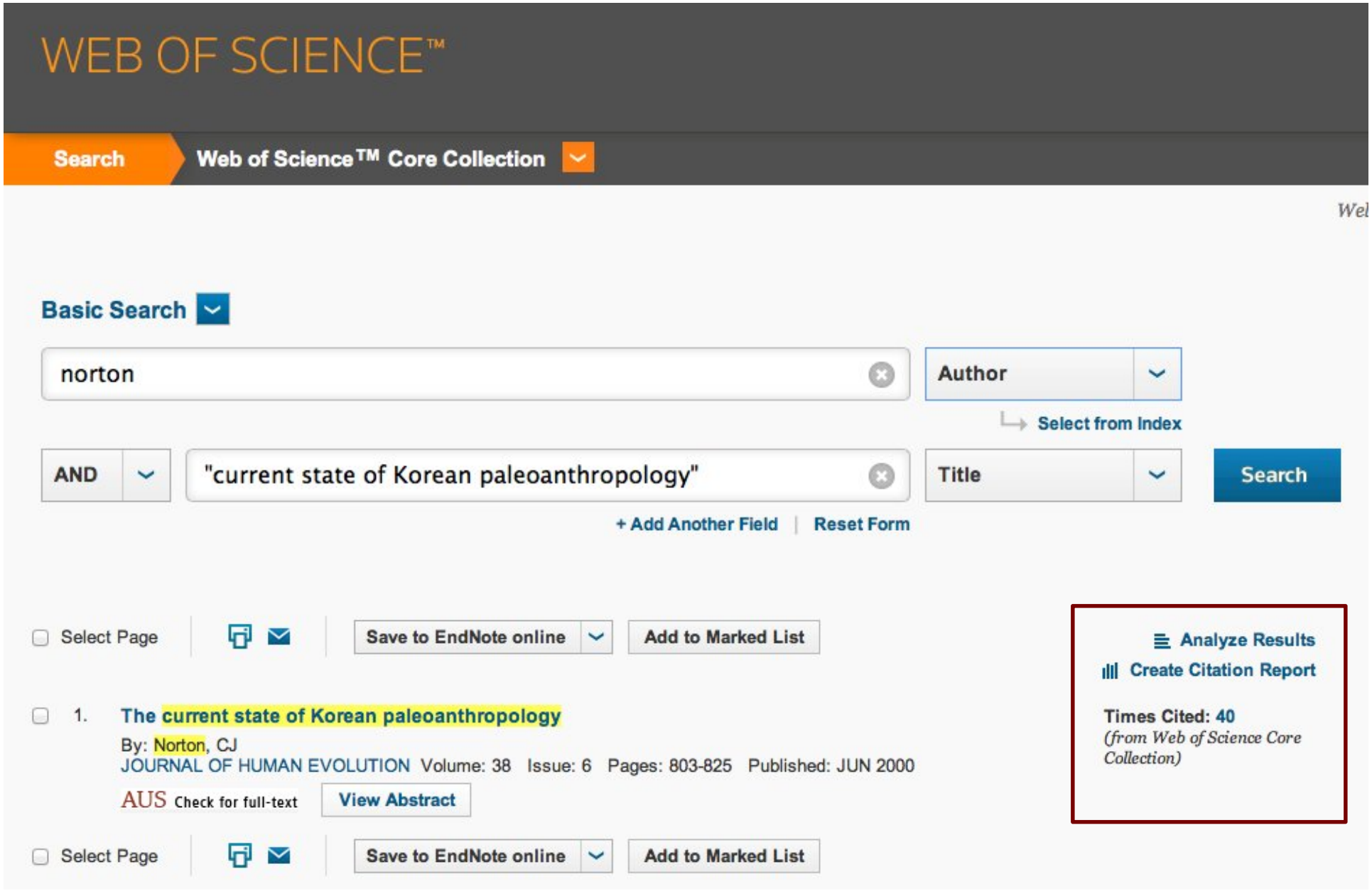
## 4 levels

Level 1: Article-level impact

Level 2: Journal-level impact

Level 3: Author-level impact

Level 4: Institutional impact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"current state of Korean paleoanthropology"
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Select Page
Save to EndNote online
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Times Cited: 40
(from Web of Science Core Collection)
1. The current state of Korean paleoanthropology
By: Norton, CJ
JOURNAL OF HUMAN EVOLUTION Volume: 38 Issue: 6 Pages: 803-825 Published: JUN 2000
AUS Check for full-text
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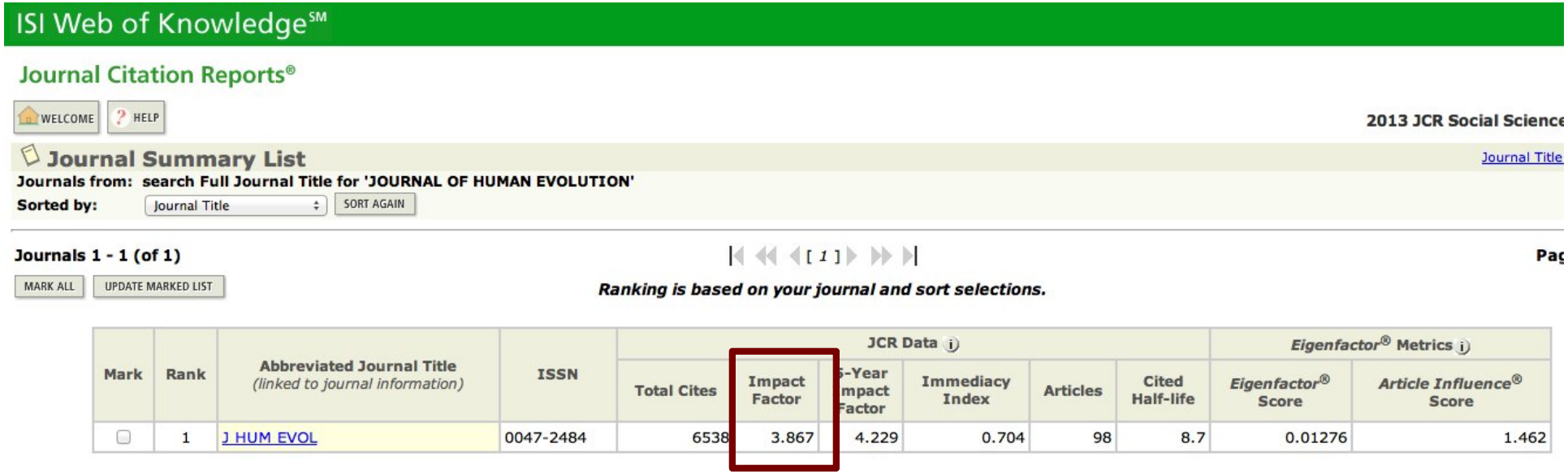
# Journal-level impact

| Main Metrics: | Available: | Access: |
|---|---|---|
| Journal Impact Factor (JIF) | Journal Citation Reports (JCR) Thomson Reuters | AUS Subscription |
| SCImago Journal Ranking (SJR) | SCImago website | Free |
| Source Normalized XX (SNIP) | SCOPUS - Elsevier | Subscription |
| H5-index | Google Scholar Metrics | Free |

# Journal Citation Reports



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Sorted by: Journal Title | SORT AGAIN

Journals 1 - 1 (of 1) [ 1 ] Pag

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*Ranking is based on your journal and sort selections.*

| Mark | Rank | Abbreviated Journal Title (linked to journal information) | ISSN | JCR Data | | | | | | *Eigenfactor*® Metrics | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index | Articles | Cited Half-life | *Eigenfactor*® Score | *Article Influence*® Score |
| ☐ | 1 | J HUM EVOL | 0047-2484 | 6538 | 3.867 | 4.229 | 0.704 | 98 | 8.7 | 0.01276 | 1.462 |

Norton, C.J. (2000). The current state of Korean paleoanthropology. *Journal of Human Evolution*, 38(6), 803-825.

SJR SCImago Journal & Country Rank

www.scimagojr.com/

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## Journal Rankings

Ranking Parameters

Subject Area: Arts and Humanities
Subject Category: Language and Linguistics
Region/Country: All
Year: 2013
Order By: SJR
Display journals with at least: 0 Citable Docs. (3 years)
Refresh

Subject Area: **Arts and Humanities.**
Subject Category: **Language and Linguisti**
Year: **2013.**

### SCImago Journal Rank

**SCImago Journal Rank** (SJR indicator) is a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from.

1 - 50 of 560 << First | < Previous | Next > | L

| | Title | Type | SJR | H index | Total Docs. (2013) | Total Docs. (3years) | Total Refs. | Total Cites (3years) | Citable Docs. (3years) | Cites / Doc. (2years) | Ref. / Doc. | C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Computational Linguistics | j | Q1 3,083 | 64 | 32 | 84 | 1.961 | 329 | 82 | 4,36 | 61,28 | |
| 2 | Journal of Cognitive Neuroscience | j | Q1 3,058 | 160 | 170 | 737 | 9.721 | 4.183 | 732 | 5,10 | 57,18 | |
| 3 | Artificial Intelligence | j | Q1 2,858 | 107 | 76 | 200 | 3.874 | 909 | 196 | 4,53 | 50,97 | |
| 4 | Cognition | j | Q1 2,572 | 132 | 182 | 490 | 8.763 | 2.169 | 479 | 3,82 | 48,15 | |
| 5 | Communication Research | j | Q1 2,310 | 65 | 35 | 108 | 2.099 | 354 | 108 | 2,64 | 59,97 | |
| 6 | Studies in Second | j | Q1 2,175 | 29 | 26 | 59 | 1.633 | 158 | 59 | 2,28 | 62,81 | |

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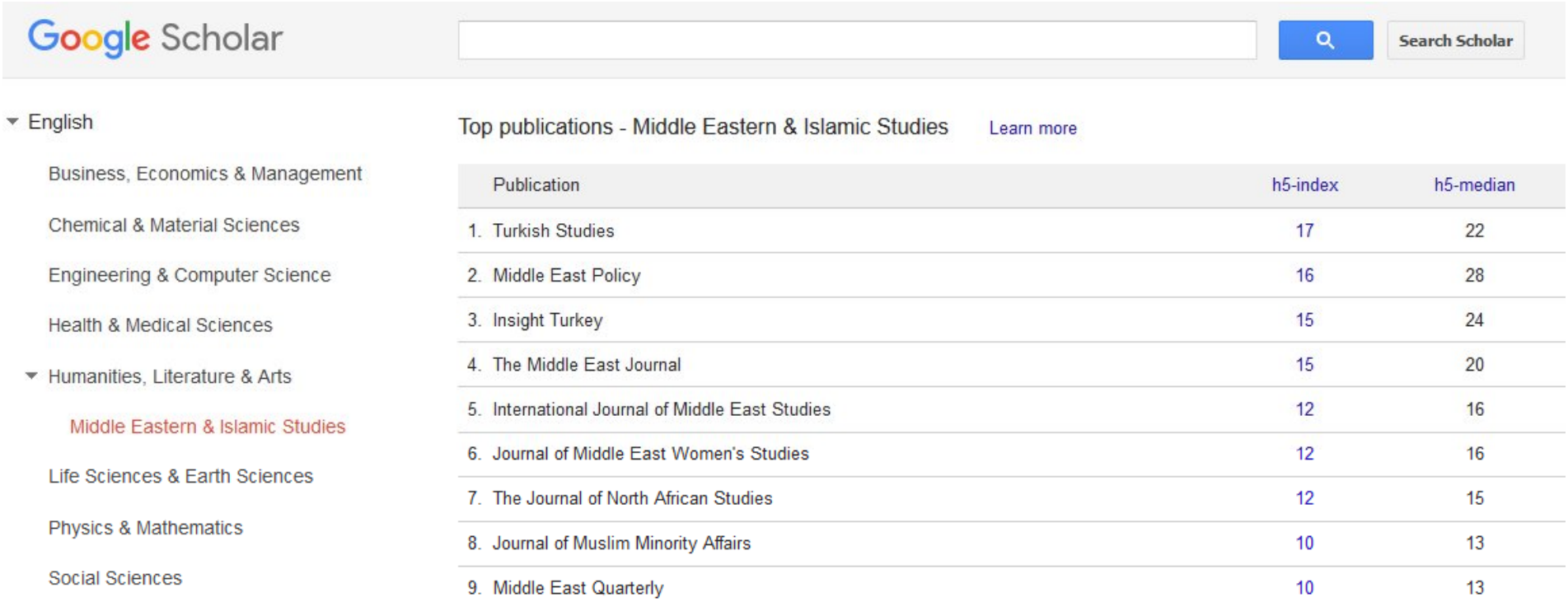
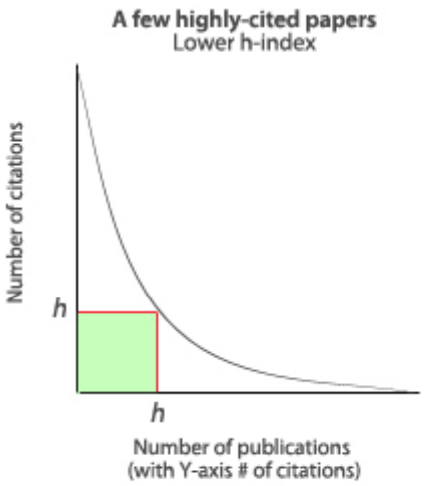



H5-index of 15 means that the journal has published 15 articles in the last 5 years that have 15 or more citations each.

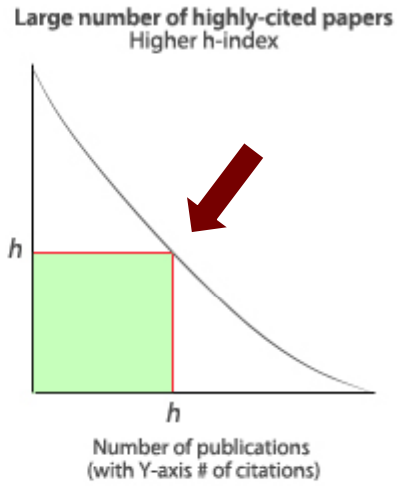
h5-median for a publication is the median number of citations for the articles that make up its h5-index

# The *h*-index

Researcher A




Researcher B




Two researchers with the same number of publications

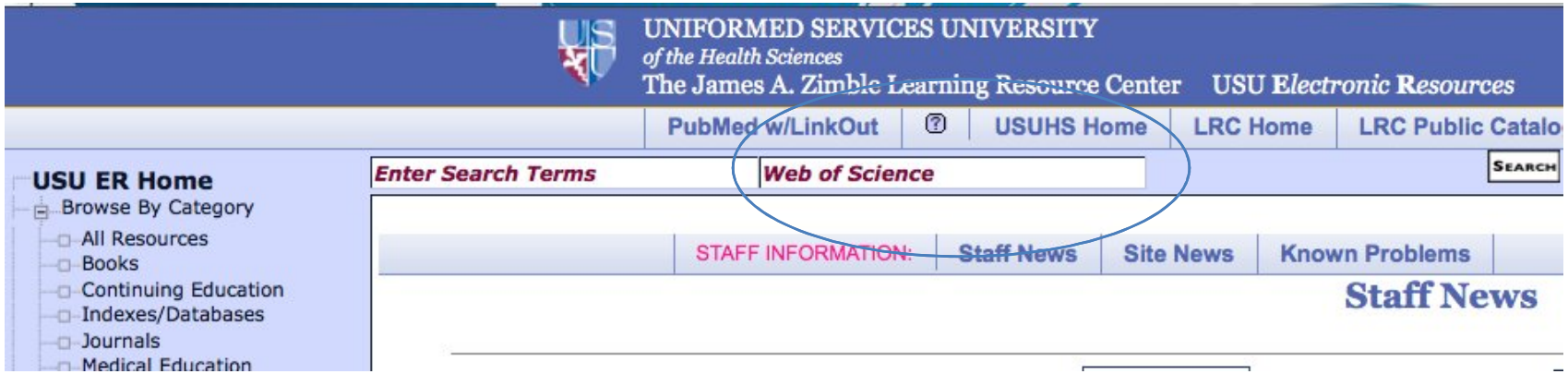
Researcher B has a higher number of cited papers than researcher A

Researcher B's h-index will be higher than researcher A.

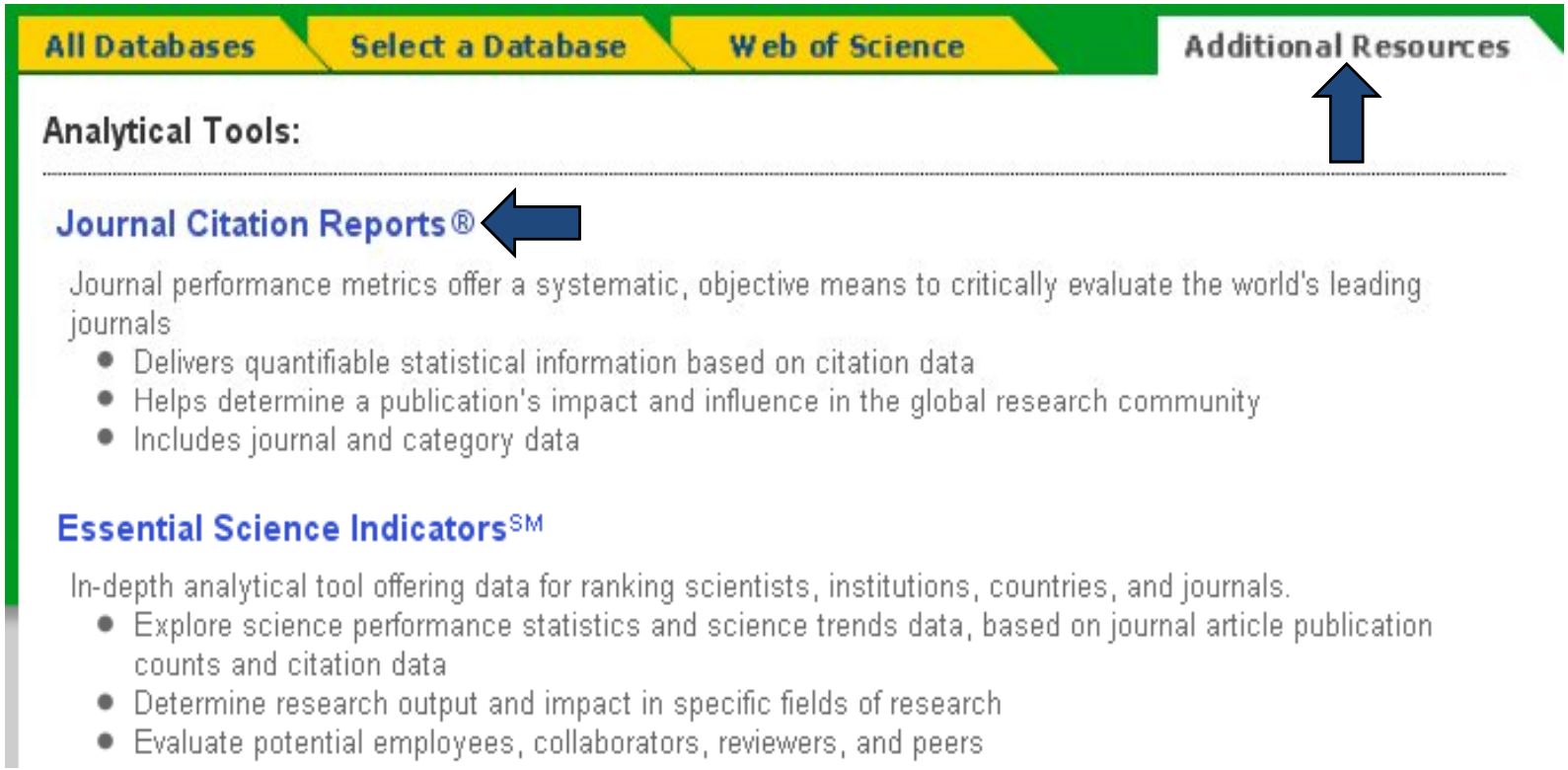
The *h*-index relies on citations to your papers, not the journals

*h*-index is most useful for comparison within disciplines.

# First log in to ER and find Web of Science



# Access JCR from the Web of Knowledge



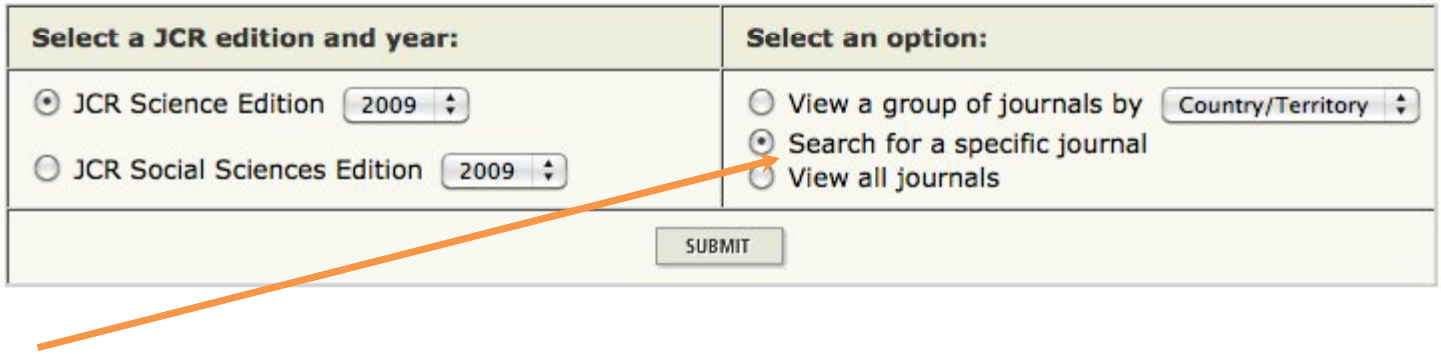
# Scenario I

(We all have our dreams!)

- You have written an article and would like to have the most visibility possible. You have a choice between publishing in *Science* and *Nature*.

- Which should you choose, based on Impact Factor?

# Search for individual journals



| Mark | Rank | Abbreviated Journal Title (linked to journal information) | ISSN | JCR Data | | | | | | *Eigenfactor*™ Metrics | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index | Articles | Cited Half-life | *Eigenfactor*™ Score | *Article Influence*™ Score |
| ☑ | 1 | NATURE | 0028-0836 | 483039 | 34.480 | 32.906 | 8.209 | 866 | 8.9 | 1.74605 | 18.062 |

UPDATE MARKED LIST

| Mark | Rank | Abbreviated Journal Title (linked to journal information) | ISSN | JCR Data | | | | | | *Eigenfactor*™ Metrics | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 2009 Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index | 2009 Items | Cited Half-life | *Eigenfactor*™ Score | *Article Influence*™ Score |
| ☑ | 1 | NATURE | 0028-0836 | 483039 | 34.480 | 32.906 | 8.209 | 866 | 8.9 | 1.74605 | 18.062 |
| ☑ | 2 | SCIENCE | 0036-8075 | 444643 | 29.747 | 31.052 | 6.531 | 897 | 8.8 | 1.52308 | 16.580 |

# Subject Categories


*This product is best viewed in 800x600 or higher resolution*

NOTICES

*The Notices file was last updated Tue Jul 21 12:44:33 2009*

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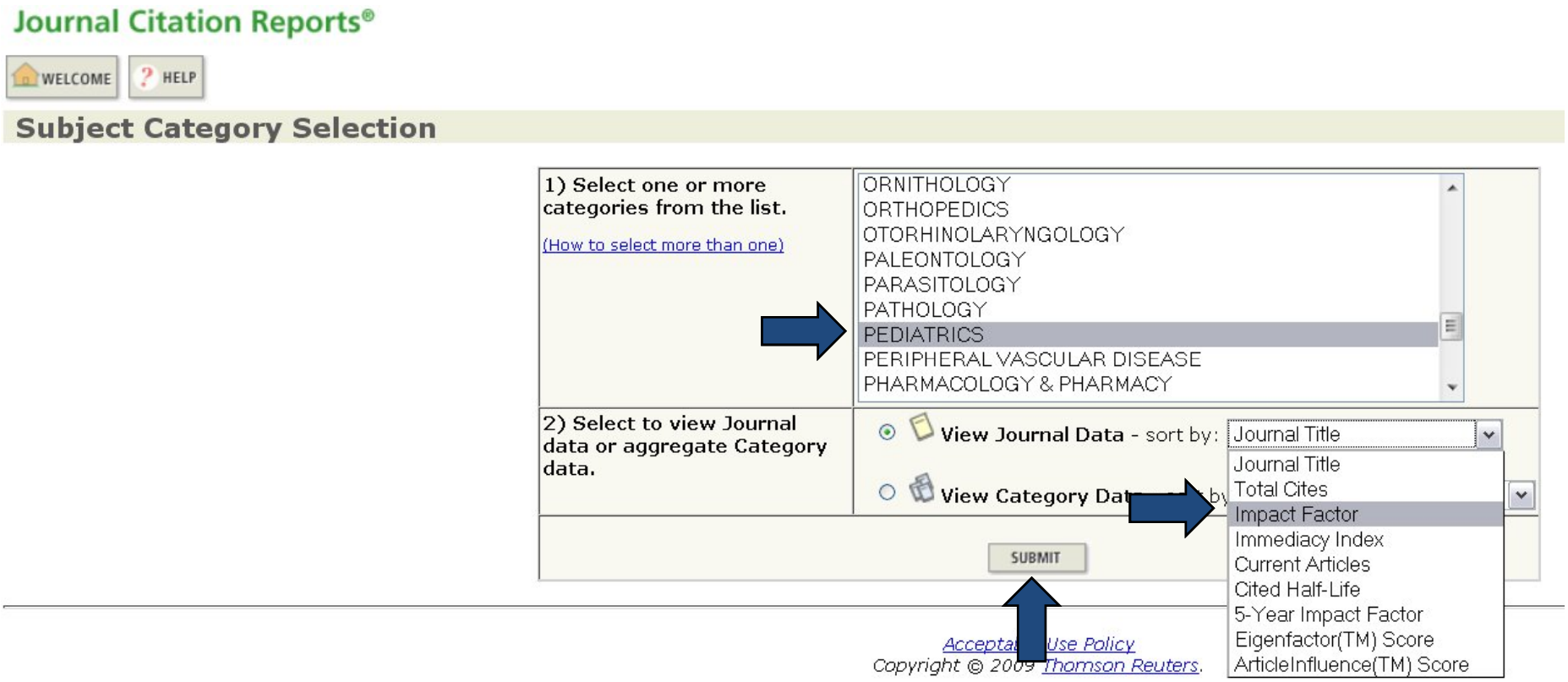
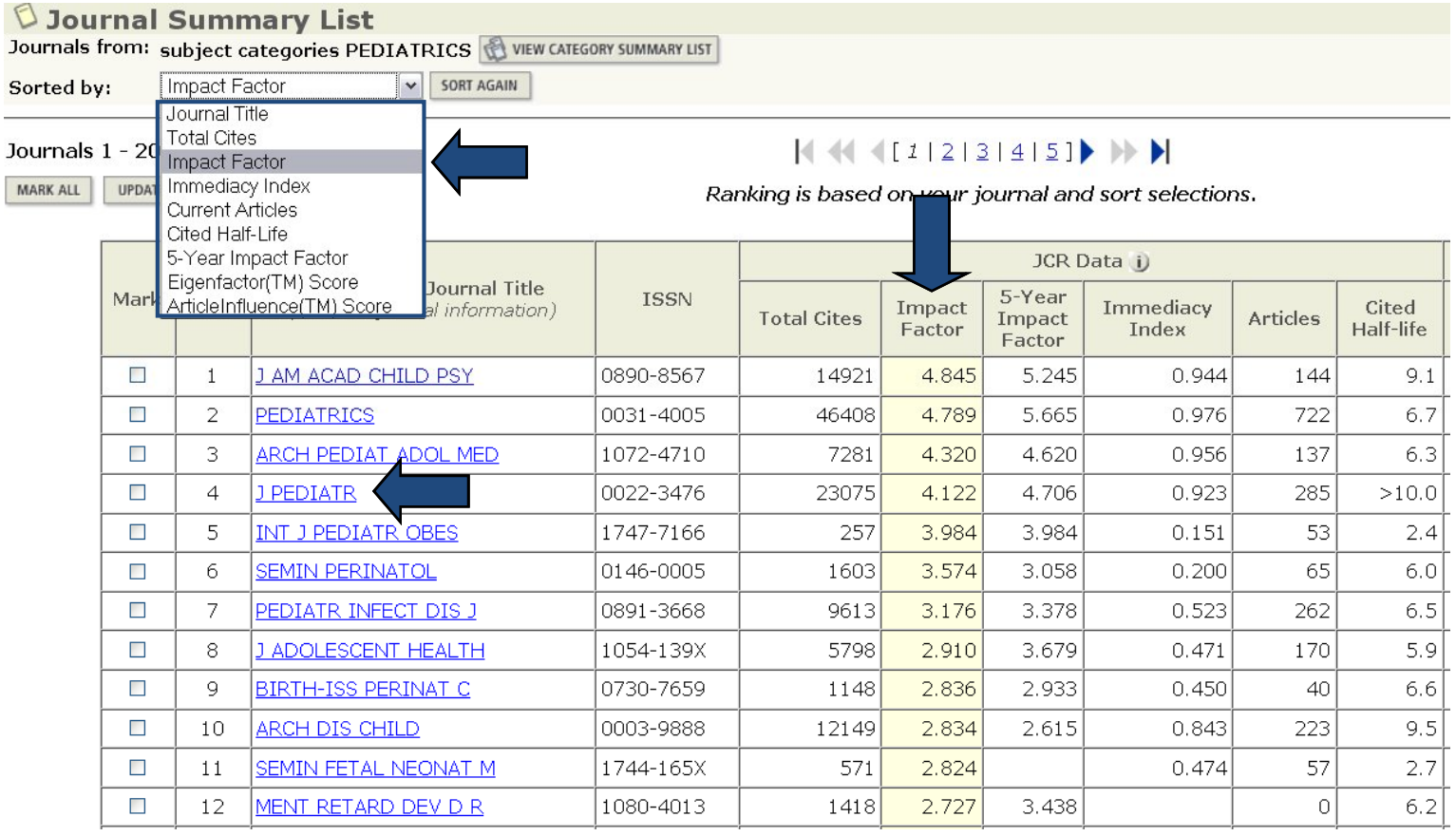
*Copyright © 2009 Thomson Reuters.*

# View Journal data



# Sort journals in the category




| Mark | | Journal Title | ISSN | JCR Data | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index | Articles | Cited Half-life |
| ☐ | 1 | J AM ACAD CHILD PSY | 0890-8567 | 14921 | 4.845 | 5.245 | 0.944 | 144 | 9.1 |
| ☐ | 2 | PEDIATRICS | 0031-4005 | 46408 | 4.789 | 5.665 | 0.976 | 722 | 6.7 |
| ☐ | 3 | ARCH PEDIAT ADOL MED | 1072-4710 | 7281 | 4.320 | 4.620 | 0.956 | 137 | 6.3 |
| ☐ | 4 | J PEDIATR | 0022-3476 | 23075 | 4.122 | 4.706 | 0.923 | 285 | >10.0 |
| ☐ | 5 | INT J PEDIATR OBES | 1747-7166 | 257 | 3.984 | 3.984 | 0.151 | 53 | 2.4 |
| ☐ | 6 | SEMIN PERINATOL | 0146-0005 | 1603 | 3.574 | 3.058 | 0.200 | 65 | 6.0 |
| ☐ | 7 | PEDIATR INFECT DIS J | 0891-3668 | 9613 | 3.176 | 3.378 | 0.523 | 262 | 6.5 |
| ☐ | 8 | J ADOLESCENT HEALTH | 1054-139X | 5798 | 2.910 | 3.679 | 0.471 | 170 | 5.9 |
| ☐ | 9 | BIRTH-ISS PERINAT C | 0730-7659 | 1148 | 2.836 | 2.933 | 0.450 | 40 | 6.6 |
| ☐ | 10 | ARCH DIS CHILD | 0003-9888 | 12149 | 2.834 | 2.615 | 0.843 | 223 | 9.5 |
| ☐ | 11 | SEMIN FETAL NEONAT M | 1744-165X | 571 | 2.824 | | 0.474 | 57 | 2.7 |
| ☐ | 12 | MENT RETARD DEV D R | 1080-4013 | 1418 | 2.727 | 3.438 | | 0 | 6.2 |

# Full Record Page

**Journal: JOURNAL OF PEDIATRICS**

| Mark | Journal Title | ISSN | Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index |
|---|---|---|---|---|---|---|
| ☐ | J PEDIATR | 0022-3476 | 23075 | 4.122 | 4.706 | 0.923 |

Cited Journal | Citing Journal | Source Data | Journal Self Cites

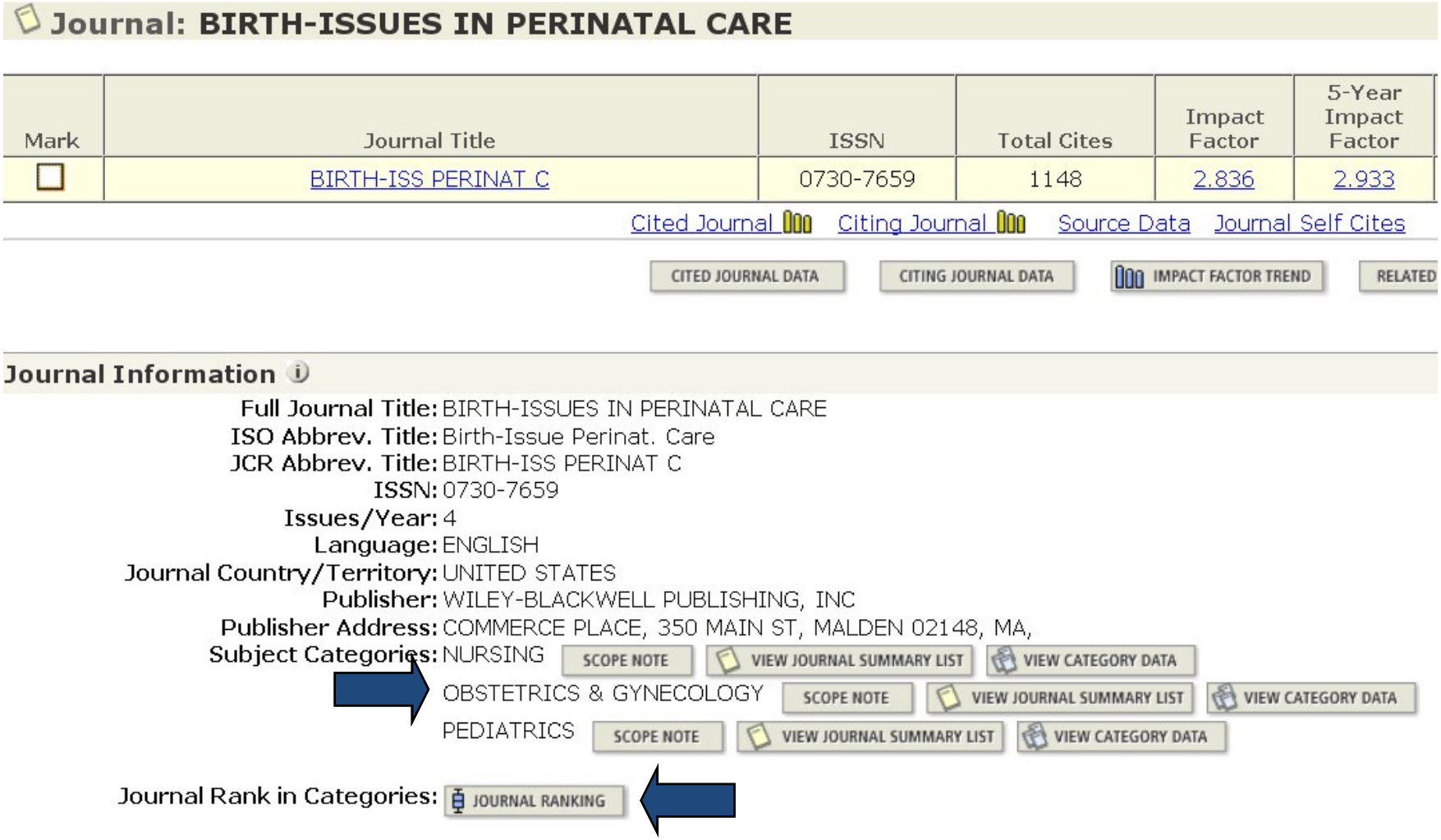
CITED JOURNAL DATA | CITING JOURNAL DATA | IMPACT FACTOR TREND | RELATED JOURNALS

**Journal Information**

**Full Journal Title:** JOURNAL OF PEDIATRICS
**ISO Abbrev. Title:** J. Pediatr.
**JCR Abbrev. Title:** J PEDIATR
**ISSN:** 0022-3476
**Issues/Year:** 12
**Language:** ENGLISH
**Journal Country/Territory:** UNITED STATES
**Publisher:** MOSBY-ELSEVIER
**Publisher Address:** 360 PARK AVENUE SOUTH, NEW YORK, NY 10010-1710
**Subject Categories:** PEDIATRICS SCOPE NOTE | VIEW JOURNAL SUMMARY LIST | VIEW CATEGORY DATA

**Journal Rank in Categories:** JOURNAL RANKING

# Journal Rank in categories



# Journal Rank in categories

## Rank in Category: BIRTH-ISSUES IN PERINATAL CARE

### Journal Ranking

For **2008**, the journal **BIRTH-ISSUES IN PERINATAL CARE** has an Impact Factor of **2.836**.

This table shows the ranking of this journal in its subject categories based on Impact Factor.

| Category Name | Total Journals in Category | Journal Rank in Category | Quartile in Category |
|---|---|---|---|
| NURSING | 60 | 1 | Q1 |
| OBSTETRICS & GYNECOLOGY | 61 | 13 | Q1 |
| PEDIATRICS | 86 | 9 | Q1 |

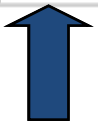
# Journal self citation

To provide one the ability to easily compare self-citation rates among journals particularly as this influences Impact factor calculations.

**Journal Self Cites**

The tables show the contribution of the journal's self cites to its impact factor. This information is also represented in the cited journal graph.

| | | | |
|---|---|---|---|
| Total Cites | 12149 | Self Cites | 444 (3% of 12149) |
| Cites to Years Used in Impact Factor Calculation | 1352 | Self Cites to Years Used in Impact Factor Calculation | 117 (8% of 1352) |
| Impact Factor | 2.834 | Impact Factor without Self Cites | 2.589 |



# Category Impact Data

**Journal: JOURNAL OF PEDIATRICS**

| Mark | Journal Title | ISSN | Total Cites | Impact Factor |
|---|---|---|---|---|
| ☐ | J PEDIATR | 0022-3476 | 23075 | 4.122 |

Cited Journal | Citing Journal | Source Data | Journal

CITED JOURNAL DATA | CITING JOURNAL DATA | IMPACT FACTOR TREN

**Journal Information**

**Full Journal Title:** JOURNAL OF PEDIATRICS
**ISO Abbrev. Title:** J. Pediatr.
**JCR Abbrev. Title:** J PEDIATR
**ISSN:** 0022-3476
**Issues/Year:** 12
**Language:** ENGLISH
**Journal Country/Territory:** UNITED STATES
**Publisher:** MOSBY-ELSEVIER
**Publisher Address:** 360 PARK AVENUE SOUTH, NEW YORK, NY 10010-1710
**Subject Categories:** PEDIATRICS SCOPE NOTE | VIEW JOURNAL SUMMARY LIST | VIEW CATEGORY DATA

**Journal Rank in Categories:** JOURNAL RANKING

# Category Data – Median and Aggregate Impact Factors

**Category: PEDIATRICS**

| Total Cites | Median Impact Factor | Aggregate Impact Factor | Aggregate Immediacy Index | Aggregate Cited Half-life | Aggregate Citing Half-life | # Journals | Articles |
|---|---|---|---|---|---|---|---|
| 281268 | 1.252 | 1.932 | 0.349 | 7.2 | 7.5 | 86 | 12105 |

Cited Category | Citing Category | Source Data | Publication Frequency | Impact Factor Box Plot

CITED CATEGORY DATA | CITING CATEGORY DATA | RELATED JOURNALS | SCOPE NOTE | VIEW JOURNAL SUMMARY LIST

- The Median Impact Factor for the subject category of Pediatrics is 1.252
- The Aggregate Impact Factor for Pediatrics is 1.932

**Aggregate Impact Factor**

| | | | |
|---|---|---|---|
| Cites in 2008 to articles published in any journal in the Category in: | 2007 = 17946 | Number of articles published in: | 2007 = 11411 |
| | 2006 = 26742 | | 2006 = 11725 |
| | Sum: 44688 | | Sum: 23136 |

Calculation: Cites to recent articles / Number of recent articles = 44688 / 23136 = 1.932

# Access to JCR from the Web of Science

## Practice Variations in the Treatment of Febrile Infants Among Pediatric Emergency Physicians

Full Text | Links | NCBI | Print | E-mail | Add to Marked List | Save to EndNote Web

Holdings | Go | Save to EndNote, RefMan, ProCite | more options

**Author(s):** Goldman RD (Goldman, Ran D.)[1,4,5], Scolnik D (Scolnik, Dennis)[6], Chauvin-Kimoff L (Chauvin-Kimoff, Laurel)[7,8], Farion KJ (Farion, Ken J.)[9,10], Ali S (Ali, Samina)[13,12], Lynch T (Lynch, Tim)[14,15], Gouin S (Gouin, Serge)[11], Osmond MH (Osmond, Martin H.)[9,10], Johnson DW (Johnson, David W.)[2,3], Klassen TP (Klassen, Terry P.)[13,12]

**Group Author(s):** Fever Infants Grp Res Pediat Emerg

**Source:** PEDIATRICS **Volume:** 124 **Issue:** 2 **Pages:** 439-445 **Published:** AUG 2009

**Times Cited:** 1 **References:** 29 Citation Map

**Abstract:** OBJECTIVES: The objectives of this study were to characterize variations in treatment decisions for young febrile infants in pediatric emergency departments across Canada and to document the extent of practice variations among pediatric emergency department practitioners.

METHODS: This was a prospective, concurrent, cohort study of consecutive infants up to 90 days of age who presented to 6 pediatric emergency departments in Canada with fever (rectal temperature of >= 38.0 degrees C). We recorded information in the emergency department and contacted the families by telephone to confirm the final disposition.

RESULTS: A total of 257 infants were recruited over 2 to 4 months. Patients were similar across centers in terms of gestational age and weight, chronologic age at arrival, weight, and gender. Temperatures measured at home and during triage and durations of fever also were similar among centers. In one center, significantly more children arrived with cough; in another center, fewer parents reported sick contacts at home. Rates of bl[illegible]e testing were not significantly different across sites, but rates of lumbar puncture, respiratory virus testing, and chest radiography were different. A total of 55% of infants received antibiotics, and significant practice variations in the numbers and types of antibiotics used were documented.

**Cited by: 1**

This article has been cited 1 times (from Web of Science).

Hampers LC Practice Variation With Febrile Infants: Delight in Disorder? PEDIATRICS 124 2 783-785 AUG 2009

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**Related Records:**

Find similar records based on shared references (from Web of Science).

[ view related records ]

**References: 29**

View the bibliography of this record (from Web of Science).

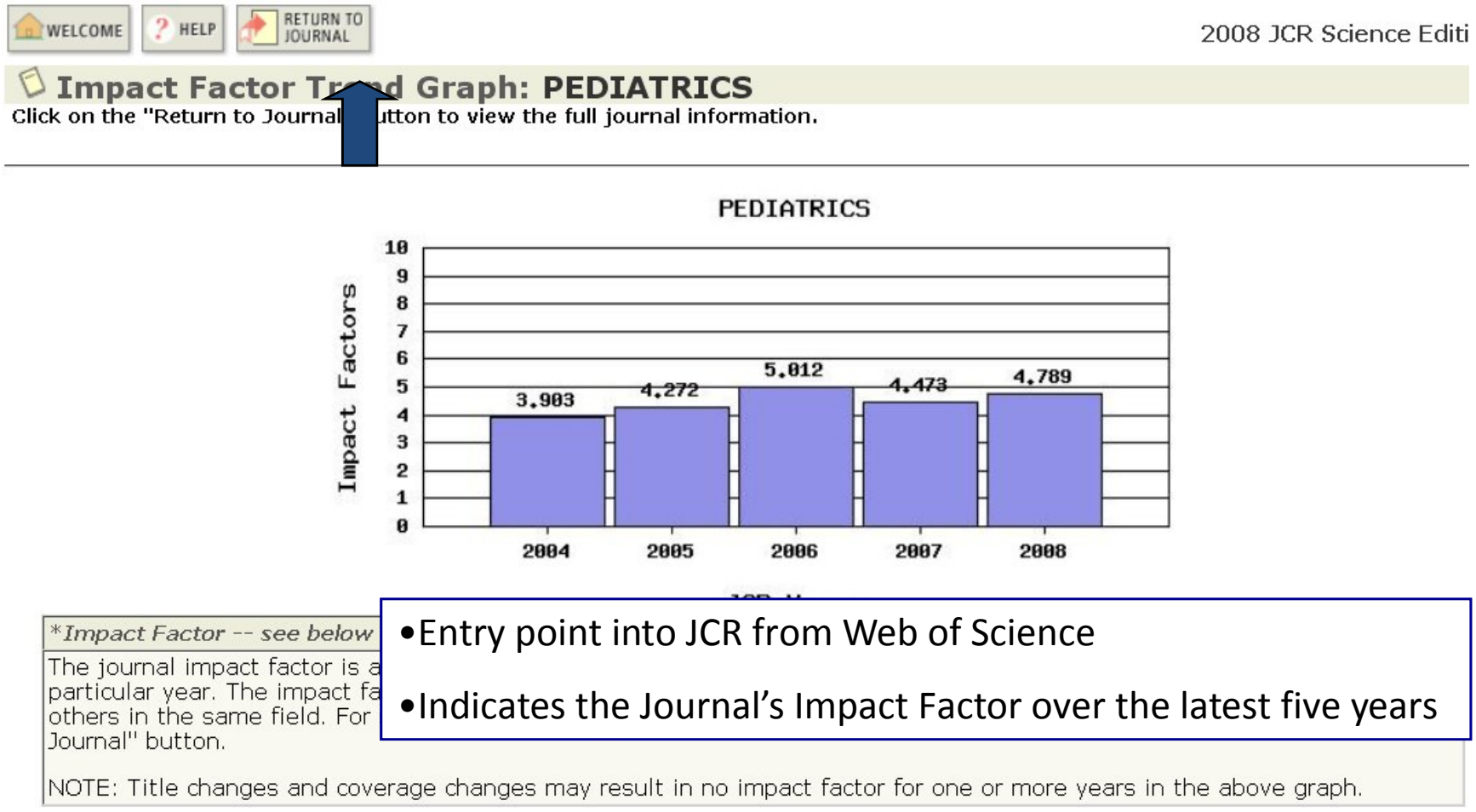
**Additional information**

- View the journal's impact factor (in Journal Citation Reports)
- View the journal's Table of Contents (in Current Contents Connect)

**Additional information**

- View the journal's impact factor (in Journal Citation Reports)
- View the journal's Table of Contents (in Current Contents Connect)

# Impact Factor Trend Graph




- Entry point into JCR from Web of Science
- Indicates the Journal's Impact Factor over the latest five years

# Limitations of the Impact Factor

- Self-citations
- Many times editors insist that authors cite works in that journal
- Some disciplines tend to cite more than others
- Journals change their names thus affecting impact factor for approximately two years
- Does not take into account negative citations

Example
Paper 1: Author A, Author B
Paper 2: Author B, Author C, Author D
Paper 3: Author A, Author E
Paper 4: Author A, Author C
Aa/P = 9/4 = 2.25 authors per paper
Author A: 3 papers
Author B: 2 papers
Author C: 2 papers
Author D: 1 paper
Author E: 1 paper
Pa papers / A authors = Pa/A = 9/5 = 1.8 papers per author
Number of all references in all papers in all journal issues: Ref
Another interesting measure is the number of references per paper: Ref/P
The higher Aa/P and Ref/P the higher will be the total number of citations C. All authors will share the news and distribute their new paper that will make citations more likely. If it is custom to put many references in a paper chances are higher that also the own paper will be cited more often.


Thank
you