



Vienna May 2012

- Maintaining and Growing Web of Science
 - Regional Content in Web of Science
 - Austrian Research in Web of Science
 - Book Citation Index
 - How Can I Improve My Journal?

James Testa
Vice President
Editorial Development & Publisher Relations



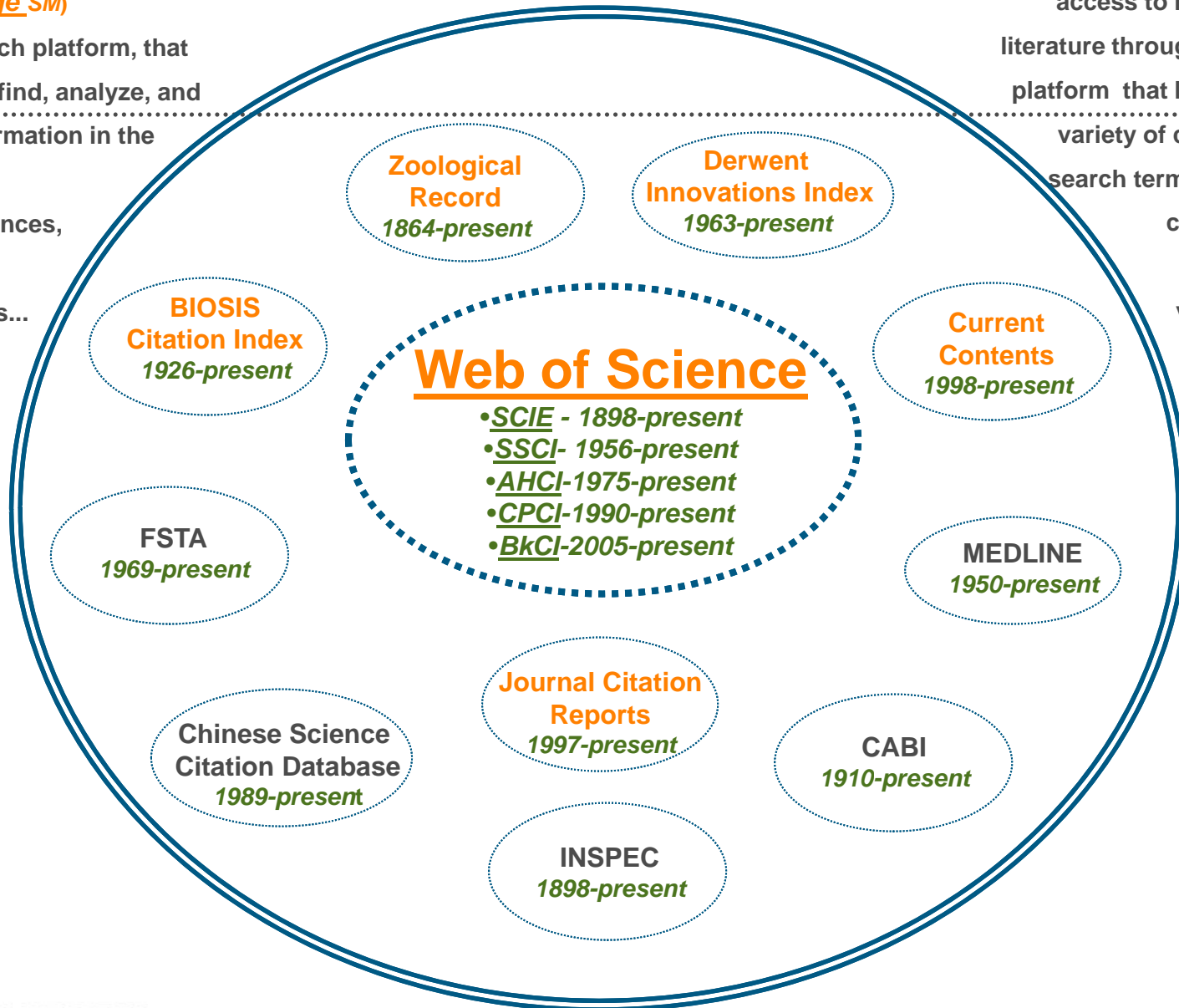
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Thomson Reuters Web of Knowledge SM

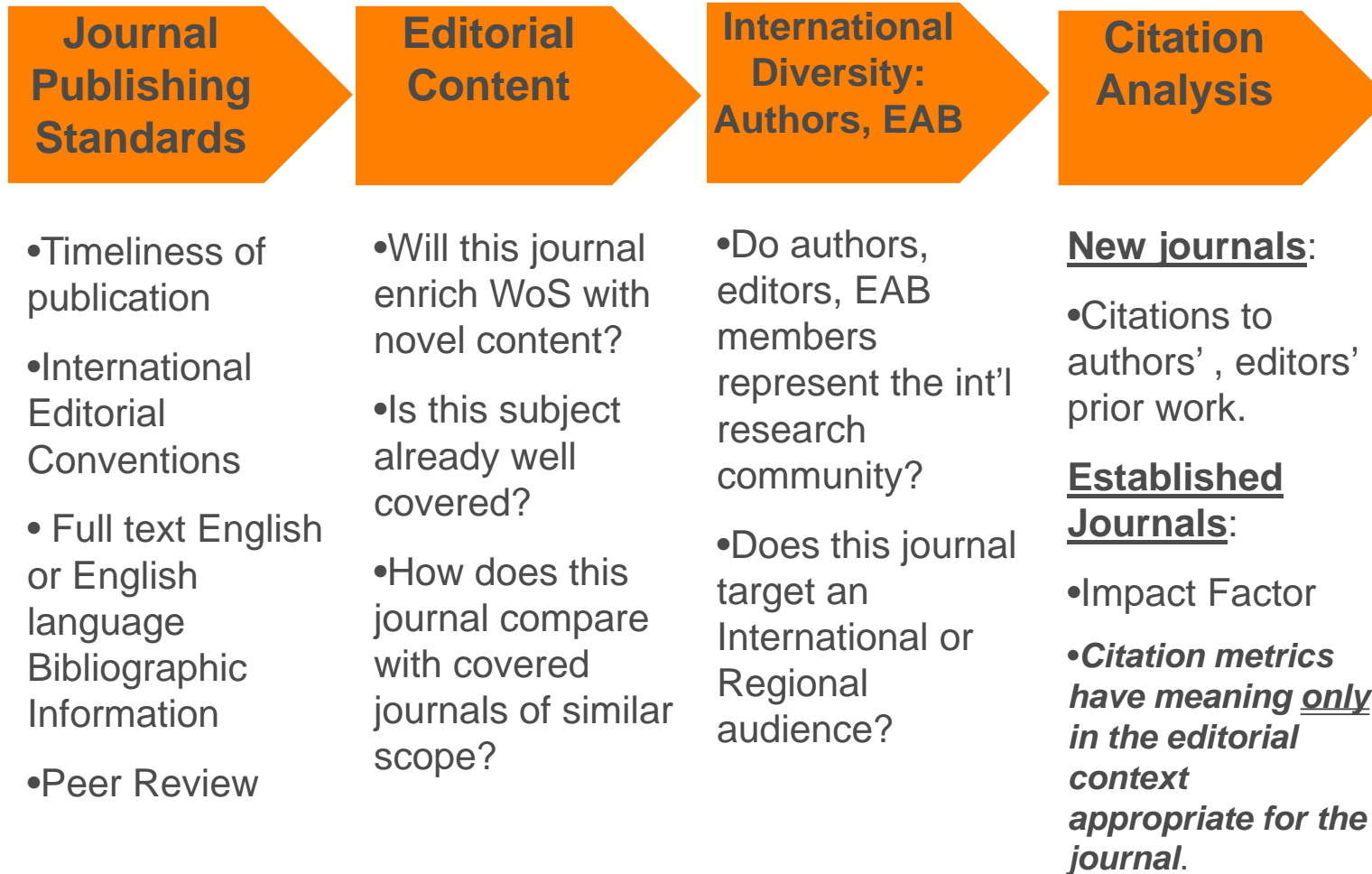
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Web of Knowledge

...providing integrated access to high quality literature through a unified platform that links a wide variety of content and search terms together, creating one common vocabulary, and one seamless search.



Journal Selection Process: Four Points of Evaluation



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- Thomson Reuters: *Build Web of Science Content*
- Scholarly Publisher: *Build a Great Journal*

What Does Impact Factor Represent?

Impact Factor represents the average number of times recent articles in a specific journal were cited in a particular year.

What Does it Measure?

Impact Factor measures the citation performance of the journal as a whole and not of any specific article or author published in the journal.

2010 Journal Citation Reports

Taxon

2010 Impact factor: 2.364

5-Year Impact Factor: 2.964

Calculation of Journal Impact Factor 5-Year Journal Impact Factor



Journal Impact Factor ⓘ

| | | | |
|--------------------------------------|------------|-------------------------------|-----------|
| Cites in 2010 to items published in: | 2009 = 160 | Number of items published in: | 2009 = 79 |
| | 2008 = 249 | | 2008 = 94 |
| | Sum: 409 | | Sum: 173 |

| | | |
|---|-----|---------|
| Calculation: <u>Cites to recent items</u> | 409 | = 2.364 |
| Number of recent items | 173 | |



5-Year Journal Impact Factor ⓘ

| | | | |
|--|------------|-------------------------------|-----------|
| Cites in {2010} to items published in: | 2009 = 160 | Number of items published in: | 2009 = 79 |
| | 2008 = 249 | | 2008 = 94 |
| | 2007 = 332 | | 2007 = 96 |
| | 2006 = 248 | | 2006 = 76 |
| | 2005 = 238 | | 2005 = 69 |
| | Sum: 1227 | | Sum: 414 |

| | | |
|---|------|---------|
| Calculation: <u>Cites to recent items</u> | 1227 | = 2.964 |
| Number of recent items | 414 | |

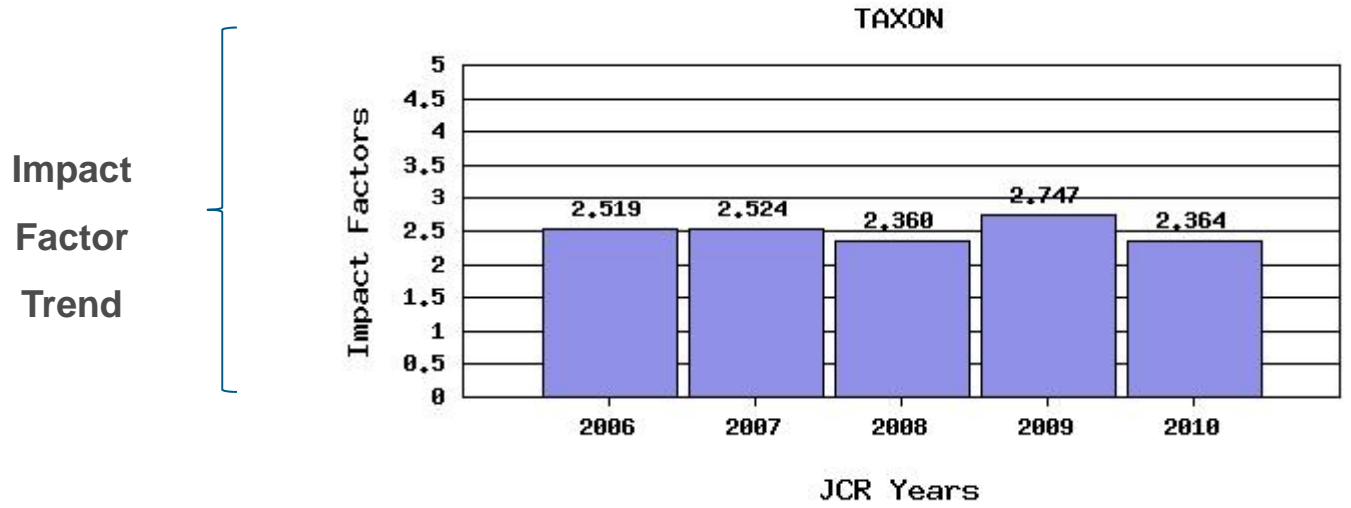
Taxon

2010 Journal Citation Reports

The data behind the 2010 Journal Impact Factor

Source Data 2010

| | Citable items | | | Other items |
|-----------------------------|---------------|---------|----------|-------------|
| | Articles | Reviews | Combined | |
| Number in JCR year 2010 (A) | 128 | 2 | 130 | 33 |
| Number of references (B) | 7571 | 263 | 7834 | 826.00 |
| Ratio (B/A) | 59.1 | 131.5 | 60.3 | 25.0 |



Taxon

2010 Journal Citation Reports

The data behind the 2010 Journal Impact Factor

Self Citation Rate

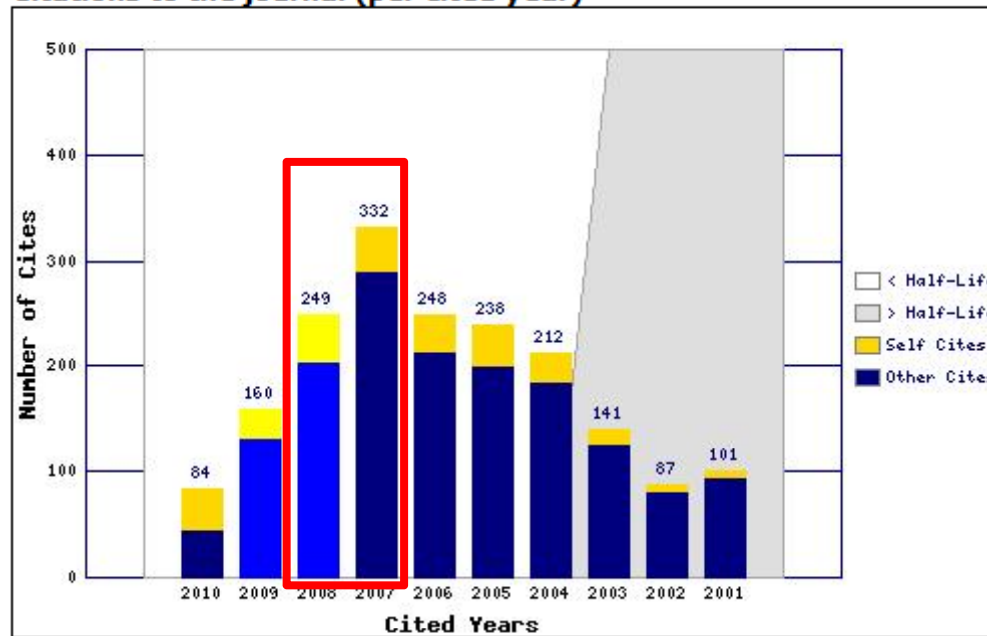
Journal Self Cites ⁱ

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 | 3071 | Self Cites | 421 (13% of 3071) |
| Cites to Years Used in Impact Factor Calculation | 409 | Self Cites to Years Used in Impact Factor Calculation | 75 (18% of 409) |
| Impact Factor | 2.364 | Impact Factor without Self Cites | 1.931 |

Cited Journal Graph

Citations to the journal (per cited year)



Self citation rates in 2009 Journal Citation Report

Revista Brasileira de Farmacognosia-Brazilian Journal of Pharmacognosy

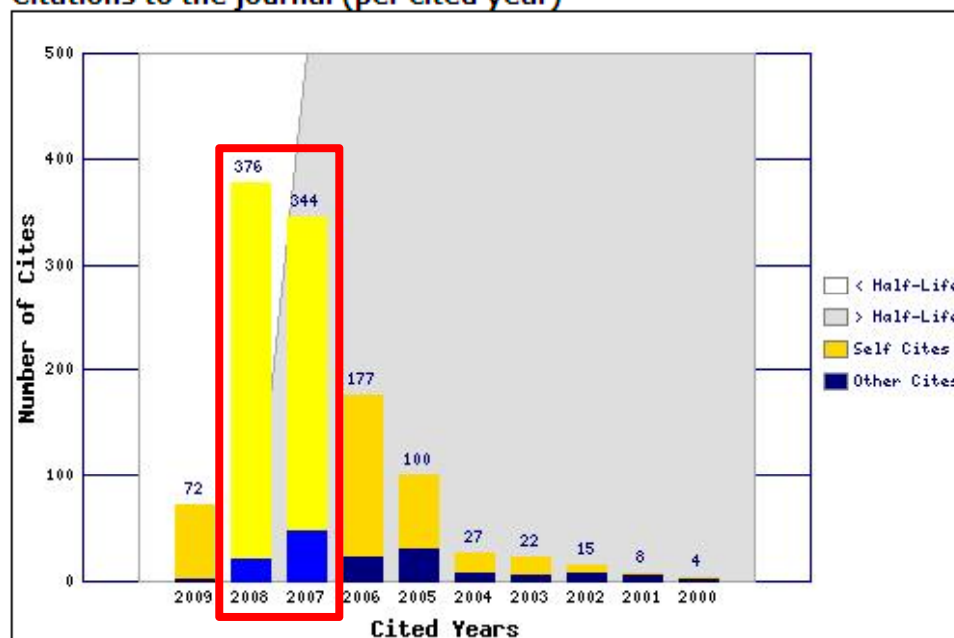
Journal Self Cites

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 | 1163 | Self Cites | 1010 (86% of 1163) |
| Cites to Years Used in Impact Factor Calculation | 720 | Self Cites to Years Used in Impact Factor Calculation | 652 (90% of 720) |
| Impact Factor | 3.462 | Impact Factor without Self Cites | 0.327 |

2009
Cited Journal
Graphic

Citations to the journal (per cited year)



Effect of Self Citations
on *rank in category*:

From Q1

To Q4

- Chemistry, Medicinal
- Pharmacology & Pharmacy

Impact Factor vs. 5-Year Impact Factor in Science & Social Sciences

➔ Top Ten Science Journals

| Rank | Abbreviated Journal Title <i>(linked to journal information)</i> | ISSN | JCR Data ⁱ | | | |
|------|---|-----------|-----------------------|---------------|----------------------|-----------------|
| | | | 2010 Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index |
| 1 | CA-CANCER J CLIN | 0007-9235 | 9804 | 94.333 | 70.245 | 8.667 |
| 2 | ACTA CRYSTALLOGR A | 0108-7673 | 13946 | 54.333 | 24.717 | 0.629 |
| 3 | NEW ENGL J MED | 0028-4793 | 227679 | 53.486 | 52.363 | 10.675 |
| 4 | REV MOD PHYS | 0034-6861 | 29872 | 51.695 | 48.621 | 8.219 |
| 5 | ANNU REV IMMUNOL | 0732-0582 | 16100 | 49.271 | 46.688 | 7.682 |
| 6 | NAT REV MOL CELL BIO | 1471-0072 | 26838 | 38.650 | 41.578 | 6.400 |
| 7 | NAT REV CANCER | 1474-175X | 26729 | 37.184 | 37.881 | 6.423 |
| 8 | NAT GENET | 1061-4036 | 76301 | 36.377 | 32.701 | 7.242 |
| 9 | NATURE | 0028-0836 | 511248 | 36.104 | 35.248 | 8.792 |
| 10 | NAT REV IMMUNOL | 1474-1733 | 21080 | 35.196 | 33.644 | 5.571 |

➔ Top Ten Social Science Journals

| Abbreviated Journal Title <i>(linked to journal information)</i> | ISSN | JCR Data ⁱ | | | |
|---|-----------|-----------------------|---------------|----------------------|-----------------|
| | | 2010 Total Cites | Impact Factor | 5-Year Impact Factor | Immediacy Index |
| BEHAV BRAIN SCI | 0140-525X | 5902 | 21.952 | 24.509 | 3.667 |
| ANNU REV PSYCHOL | 0066-4308 | 8666 | 18.288 | 21.727 | 4.077 |
| AM J PSYCHIAT | 0002-953X | 42134 | 12.759 | 11.865 | 2.571 |
| PSYCHOL BULL | 0033-2909 | 27172 | 11.975 | 17.955 | 2.026 |
| ARCH GEN PSYCHIAT | 0003-990X | 34536 | 10.782 | 15.618 | 2.222 |
| ANNU REV CLIN PSYCHO | 1548-5943 | 1126 | 9.743 | 11.837 | 1.400 |
| TRENDS COGN SCI | 1364-6613 | 11991 | 9.686 | 14.015 | 1.984 |
| ANNU REV PUBL HEALTH | 0163-7525 | 3144 | 8.609 | 11.070 | 1.000 |
| SCHIZOPHRENIA BULL | 0586-7614 | 8966 | 8.273 | 8.530 | 1.481 |
| PSYCHOL REV | 0033-295X | 19676 | 7.784 | 11.361 | 1.826 |

Category Level Metrics – Ranked by Aggregate Impact Factor

Science Categories

| Category <i>(linked to category information)</i> | Total Cites | Median Impact Factor | Aggregate Impact Factor | Aggregate Immediacy Index | Aggregate Cited Half-Life | # Journals | Articles |
|--|-------------|----------------------|-------------------------|---------------------------|---------------------------|------------|----------|
| BIOCHEMISTRY & MOLECULAR BIOLOGY | 2814701 | 2.799 | 4.346 | 0.857 | 7.4 | 286 | 50169 |
| NEUROSCIENCES | 1561003 | 2.783 | 3.914 | 0.723 | 7.2 | 239 | 32188 |
| GASTROENTEROLOGY & HEPATOLOGY | 390240 | 2.210 | 3.606 | 0.778 | 6.0 | 72 | 10458 |
| MARINE & FRESHWATER BIOLOGY | 287710 | 1.429 | 1.814 | 0.428 | 9.0 | 93 | 8948 |
| ACOUSTICS | 93364 | 0.897 | 1.492 | 0.282 | 9.0 | 30 | 3822 |
| ENGINEERING, ELECTRICAL & ELECTRONIC | 712402 | 1.004 | 1.462 | 0.220 | 7.0 | 247 | 40177 |

Social Science Categories

| Category <i>(linked to category information)</i> | Total Cites | Median Impact Factor | Aggregate Impact Factor | Aggregate Immediacy Index | Aggregate Cited Half-Life | # Journals | Articles |
|---|-------------|----------------------|-------------------------|---------------------------|---------------------------|------------|----------|
| ENVIRONMENTAL STUDIES → | 84454 | 1.110 | 1.749 | 0.377 | 6.3 | → 78 | → 4479 |
| PSYCHOLOGY, SOCIAL | 144205 | 1.180 | 1.686 | 0.302 | >10.0 | 58 | 3141 |
| ANTHROPOLOGY | 60091 | 0.680 | 1.228 | 0.350 | 9.8 | 76 | 2756 |
| ECONOMICS | 380146 | 0.750 | 1.188 | 0.244 | >10.0 | 305 | 14403 |
| LINGUISTICS | 66868 | 0.565 | 0.960 | 0.208 | 9.8 | 144 | 3355 |
| ETHNIC STUDIES → | 5773 | 0.667 | 0.898 | 0.150 | 6.7 | → 13 | → 547 |
| INTERNATIONAL RELATIONS | 33733 | 0.627 | 0.826 | 0.242 | 7.8 | 78 | 2639 |

Journal rankings and comparisons are meaningful only within each category - not between categories or domains.

Regional Content

Web of Science
covers the

Top Tier
International

and

Regional
Journals

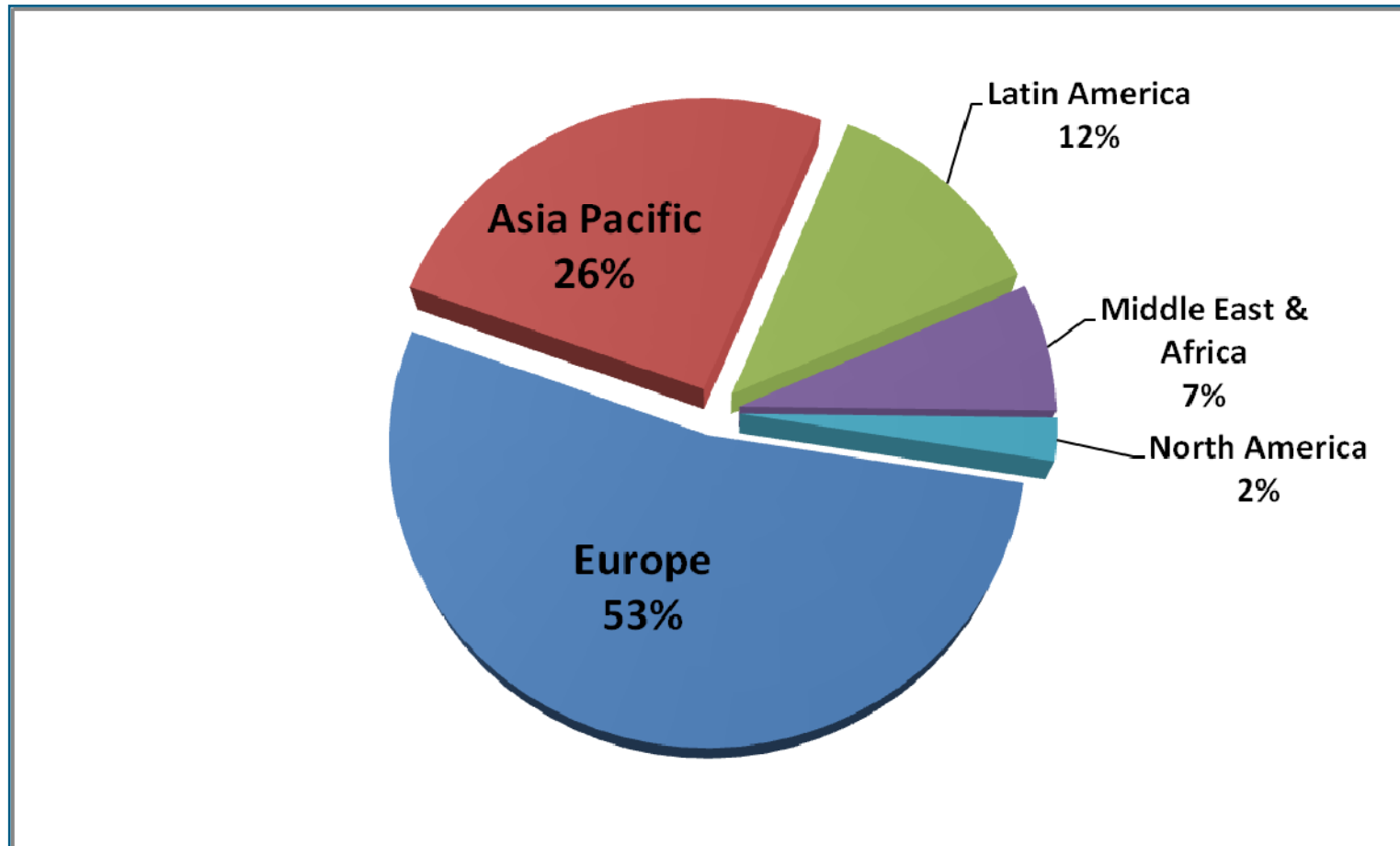


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Regional Journal Coverage in Web of Science

| | Arts & Humanities | Agriculture Biology & Environmental Sciences | Clinical Medicine | Engineering Computing & Technology | Life Sciences | Physics Chemistry & Earth Sciences | Social & Behavioral Sciences | Total |
|----------------------|-------------------|--|-------------------|------------------------------------|---------------|------------------------------------|------------------------------|-------------|
| Europe | 175 | 109 | 182 | 113 | 78 | 146 | 287 | 1090 |
| Asia Pacific | 20 | 83 | 128 | 58 | 71 | 67 | 98 | 525 |
| Latin America | 31 | 61 | 43 | 15 | 17 | 22 | 60 | 249 |
| Middle East & Africa | 13 | 23 | 39 | 15 | 15 | 9 | 32 | 141 |
| North America | 9 | 1 | 17 | 5 | 5 | 2 | 8 | 47 |
| Total | 248 | 277 | 409 | 206 | 186 | 246 | 485 | 2052 |

Geographic Distribution of Regional Journals in Web of Science



Austrian Scholarship in Web of Science

- ▣ Journals
- ▣ Research Output
- ▣ Research Impact
- ▣ Impact Relative to World

Austrian Journals in Web of Science

46 titles

- Science Citation Index Expanded
 - 35 journals
- Social Sciences Citation Index
 - 7 journals
- Arts & Humanities Citation Index
 - 5 journals

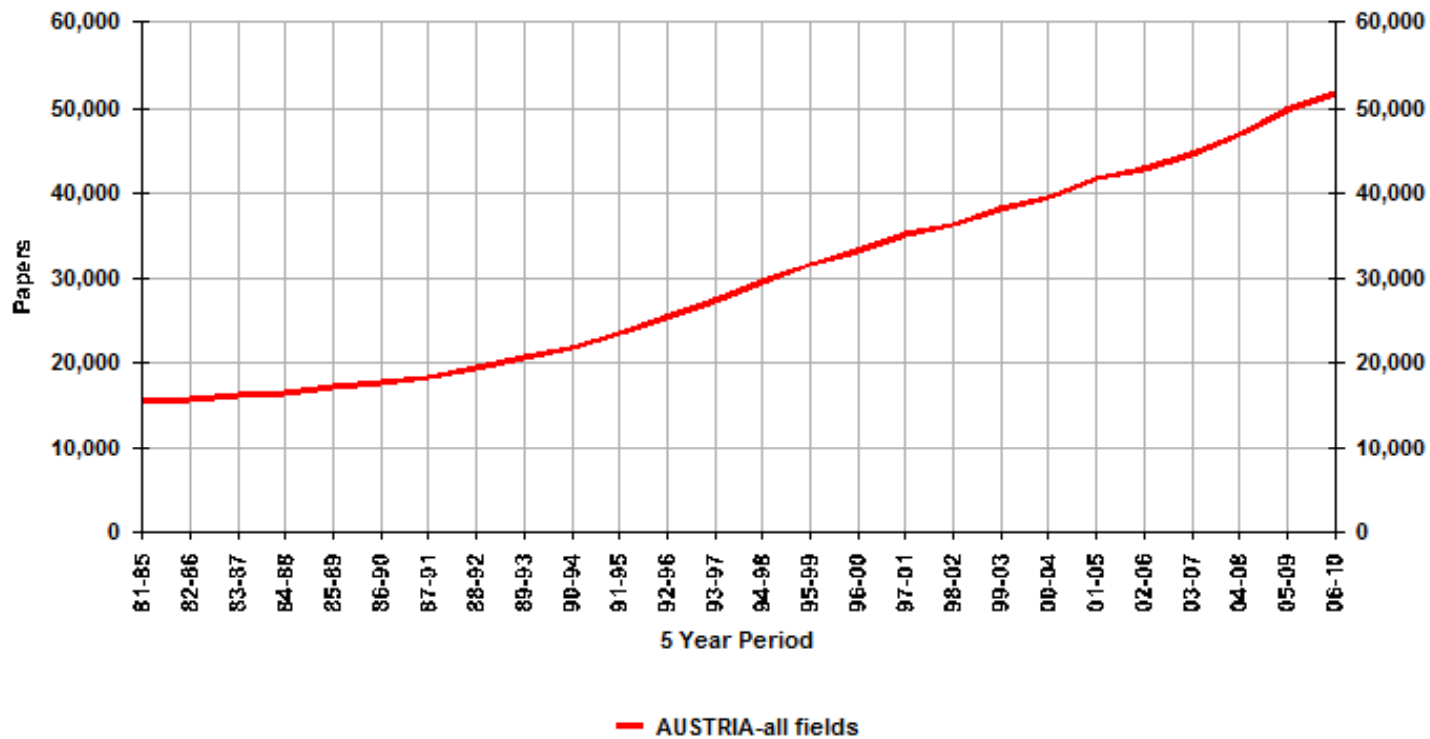
Language:

26 in English

20 in German or Multi-Language (11 SCIE; 5 SSCI; 5 AHCI)

Austrian Papers in Web of Science 1981-2010

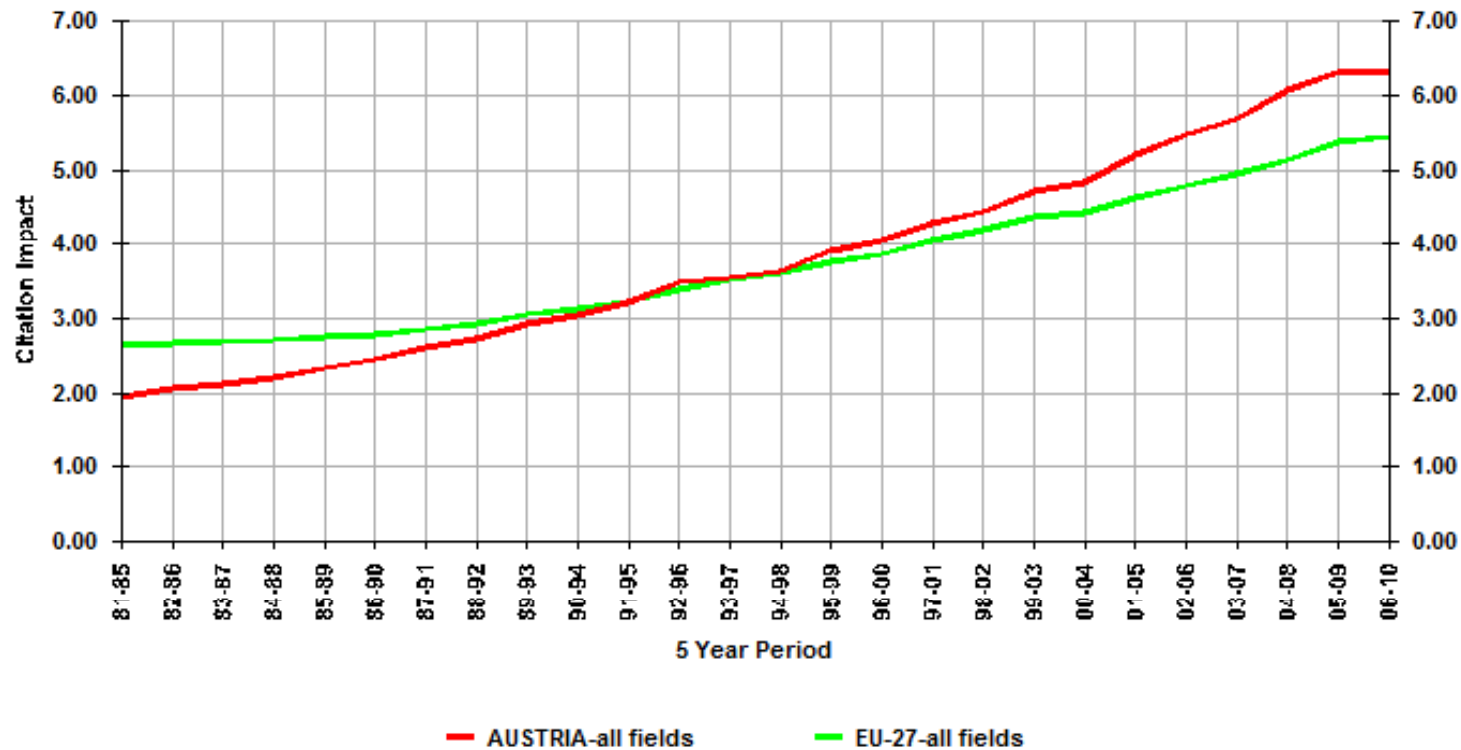
Number of papers for Overall Country in 5 year overlapping periods



Austria vs. EU-27 Citation Impact of All Papers in Web of Science 1981-2010

Options

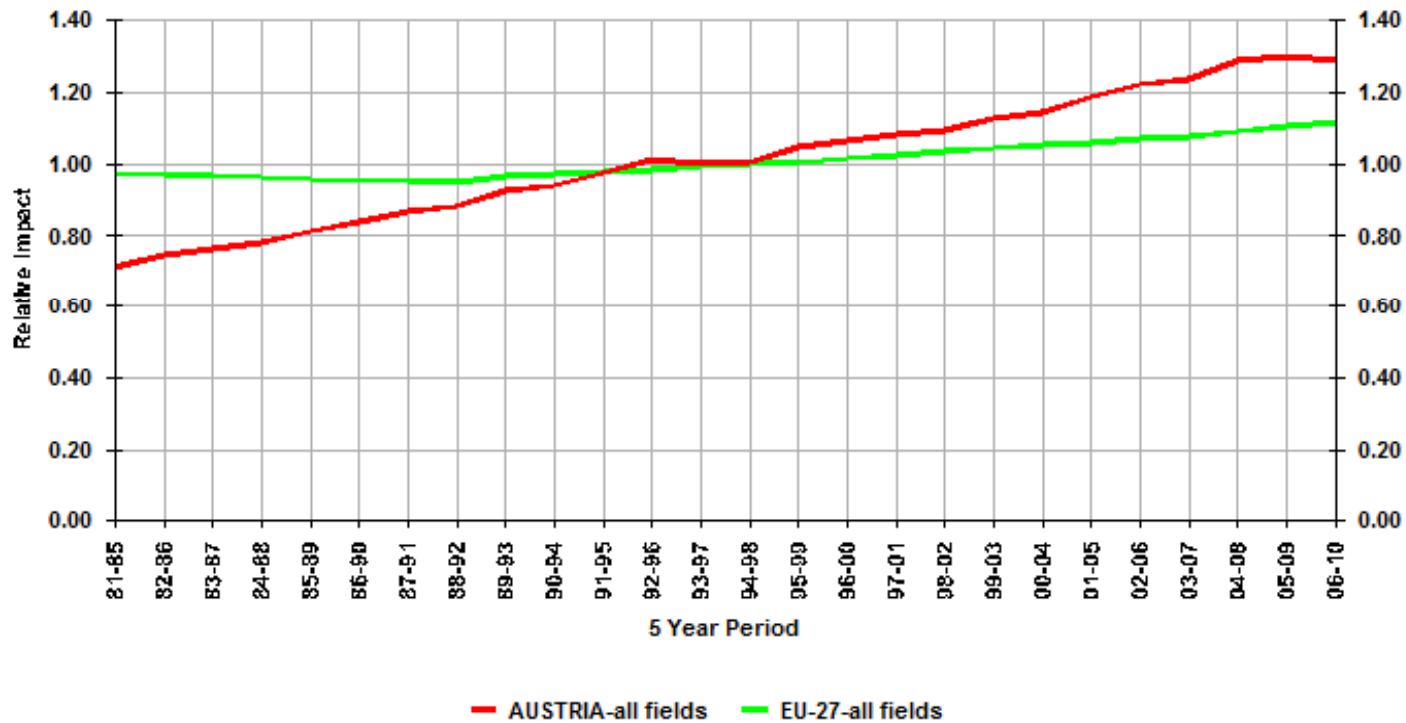
Citation impact for Overall Country in 5 year overlapping periods



Austria vs. EU-27

Citation Impact of All Papers Relative to World 1981-2010

Impact relative to world for Overall Country in 5 year overlapping periods





BOOK CITATION INDEX

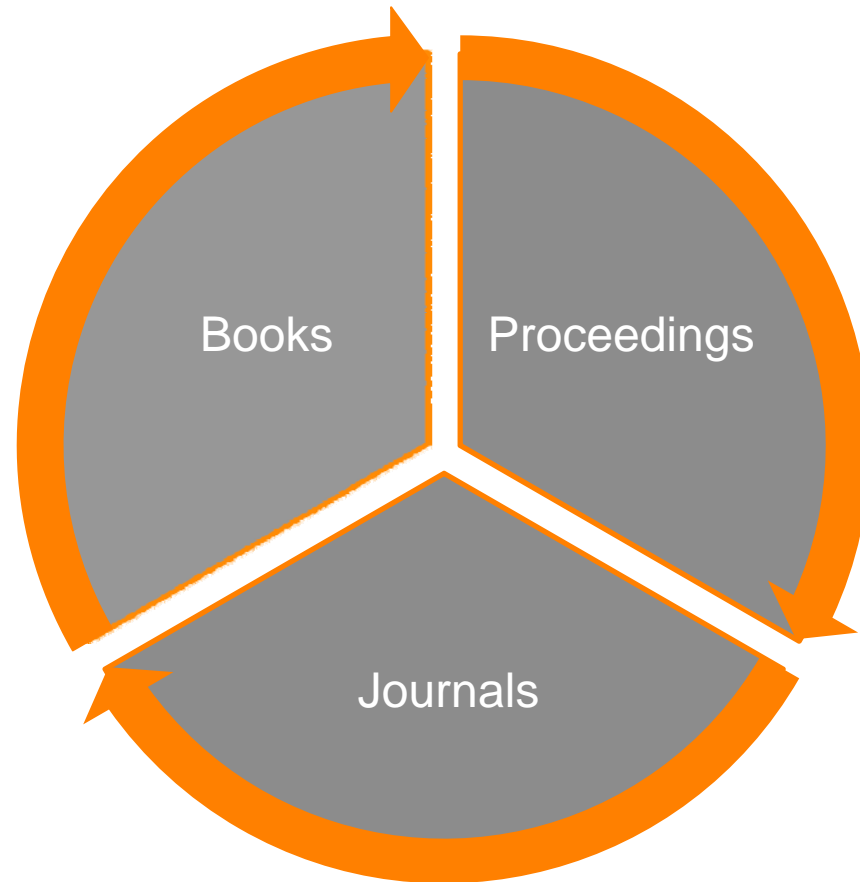
COMPLETING THE RESEARCH PICTURE

http://wokinfo.com/products_tools/multidisciplinary/bookcitationindex/



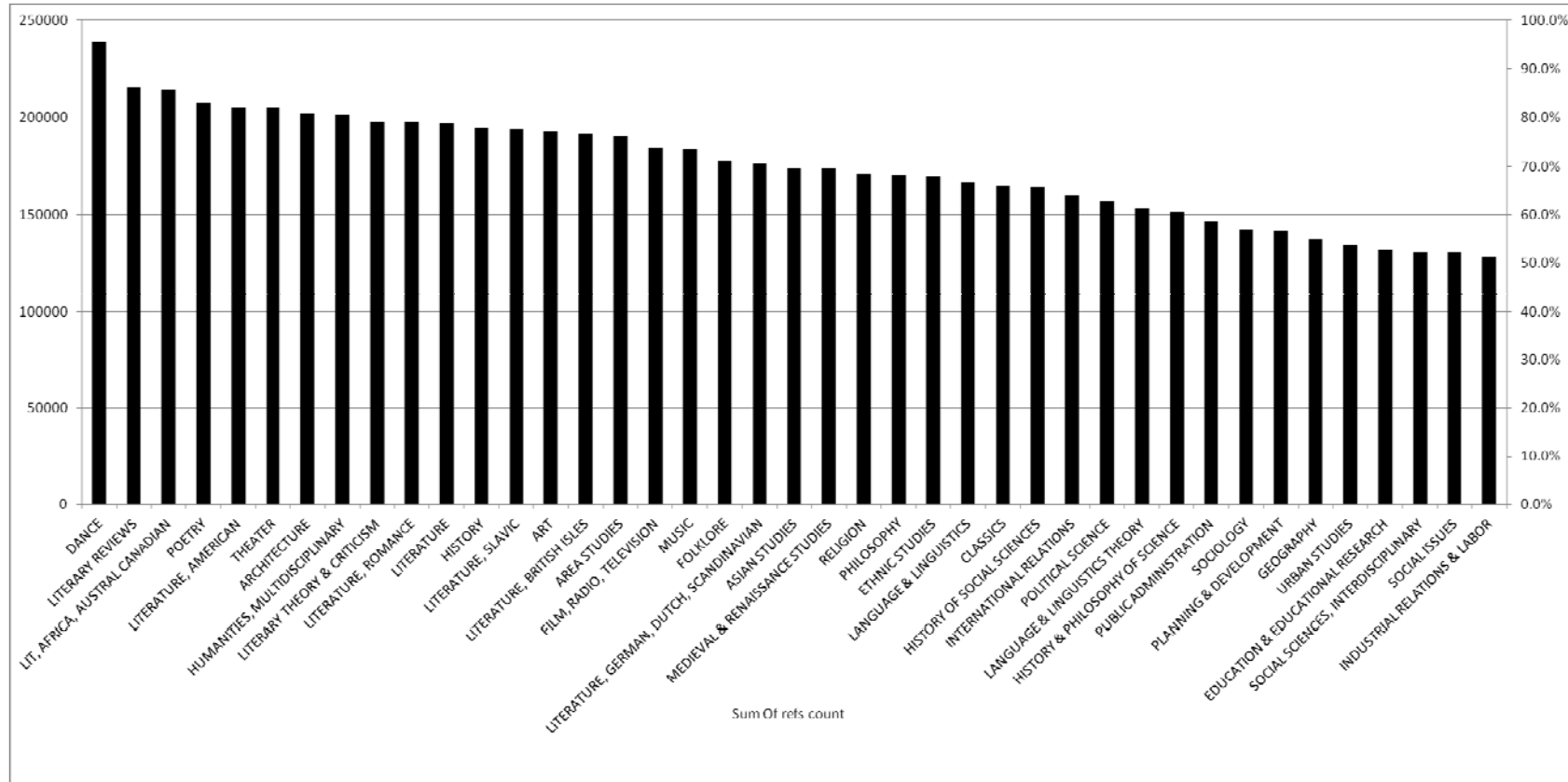
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Web of Sciencesm : Core Research Literature



Categories with more than 50% of outgoing citations from journals to books

Source: Web of Science - Citing year = 2007



Web of Knowledge contains Web of Science

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All Databases | **Select a Database** | **Web of Science** | Additional Resources

Search | Search History | Compound Marked List (0)

All Databases

Search

in **Topic**

Example: oil spill* mediterranean

AND in **Author**

Example: O'Brian C* OR OBrian C*

AND in **Publication Name**

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

[Add Another Field >>](#)

Search **Clear** Searches can be in English or Chinese (searching in Chinese)

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

All Years

From 1864 to 2012 (default is all years)

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- **Science Citation Index Expanded**
- **Social Sciences Citation Index**
- **Arts & Humanities Citation Index**
- **Conference Proceedings Citation Index**
- **Book Citation Index**

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Book Citation Index Search : Topic; Author; Year Published

All Databases Select a Database **Web of Science** Additional Resources

Search Author Finder Cited Reference Search Structure Search Advanced Search Search History

Web of ScienceSM

Search

water management in Topic
Example: oil spill mediterranean*

AND hare mp in Author
Example: O'Brian C OR OBrian C**
Need help finding papers by an author? Use [Author Finder](#).

AND 2006 in Year Published
Example: 2001 or 1997-1999

[Add Another Field >>](#)

Searches must be in English

Current Limits: (To save these permanently, [sign in](#) or [register](#).)

Timespan

- All Years (updated 2012-02-17)
- From 1898 to 2012 (default is all years)

Citation Databases

- Science Citation Index Expanded (SCI-EXPANDED) --1899-present
- Social Sciences Citation Index (SSCI) --1899-present
- Arts & Humanities Citation Index (A&HCI) --1975-present
- Conference Proceedings Citation Index- Science (CPCI-S) --1990-present
- Conference Proceedings Citation Index- Social Science & Humanities (CPCI-SSH) --1990-present
- Book Citation Index-- Science (BKCI-S) --2005-present
- Book Citation Index-- Social Sciences & Humanities (BKCI-SSH) --2005-present

Chemical Databases

- Current Chemical Reactions (CCR-EXPANDED) --1985-present
- Index Chemicus (IC) --1993-present

Adjust your search settings

Note: Spelling variations (such as US and UK spelling differences) in topic and title search terms are found automatically (for example, behavior and behaviour). To disable this feature, enter quotation marks around

Book Citation Index Source Record

All Databases Select a Database Web of Science Additional Resources

Search Author Finder Cited Reference Search Structure Search Advanced Search Search History

Web of ScienceSM

<< Back to results list Record 1 of 2 Record from Web of ScienceSM

Save to: EndNote Web EndNote RefWorks ResearcherID more options

Methods for Stakeholder Participation in Water Management

Author(s): Hare, MP (Hare, Matt P.)¹; Barreteau, O (Barreteau, Olivier); Beck, MB (Beck, M. Bruce)²; Letcher, RA (Letcher, Rebecca A.)⁴; Mostert, E (Mostert, Erik)⁵; Tabara, JD (David Tabara, J.); Ridder, D (Ridder, Dagmar)⁶; Cogan, V (Cogan, Valerie)³; Pahl-Wostl, C (Pahl-Wostl, Claudia)⁶

Editor(s): Giupponi, C; Jakeman, AJ; Karszenberg, D; Hare, MP

Source: SUSTAINABLE MANAGEMENT OF WATER RESOURCES: AN INTEGRATED APPROACH Book Series: Fondazione Eni Enrico Mattei-Series on Economics and the Environment Pages: 177-231 Published: 2006

Times Cited: 9 (from Web of Science)

Cited References: 73 [view related records] [Citation Map]

Accession Number: WOS:000291029300009

Document Type: Article; Book Chapter

Language: English

KeyWords Plus: FOCUSED INTERVIEW; RIVER VALLEY; VIABILITY; DYNAMICS; SYSTEMS; MODELS

Addresses:

1. Univ Georgia, Athens, GA 30602 USA
2. Fdn Eni Enrico Mattei, Mattei, Italy
3. Australian Natl Univ, Canberra, ACT 0200, Australia
4. Delft Univ Technol, RBA Ctr, NL-2600 AA Delft, Netherlands
5. Univ Osnabruck, D-4500 Osnabruck, Germany
6. Autonomous Univ Barcelona, E-08193 Barcelona, Spain

Publisher: EDWARD ELGAR PUBLISHING LTD, GLENSANDA HOUSE, MONTPELLIER PARADE, CHELTENHAM GL50 1UA, GLOS, ENGLAND

Web of Science Category: Economics

Subject Category: Business & Economics

IDS Number: BVC63

ISBN: 978-1-84542-745-0

Times Cited: 9
This article has been cited 9 times in Web of Knowledge.

Beck, M. Bruce. On governance for re-engineering city infrastructure. PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-ENGINEERING SUSTAINABILITY, JUN 2011.

Antunes, Paula. Participatory multi-criteria analysis of irrigation management alternatives: the case of the Caia irrigation district, Portugal. INTERNATIONAL JOURNAL OF AGRICULTURAL SUSTAINABILITY, MAY 2011.

Takayanagi, Norio. Stakeholder Consensus Building in Multiobjective Environments. JOURNAL OF WATER RESOURCES PLANNING AND MANAGEMENT-ASCE, MAY-JUN 2011.

[view all 9 citing articles]

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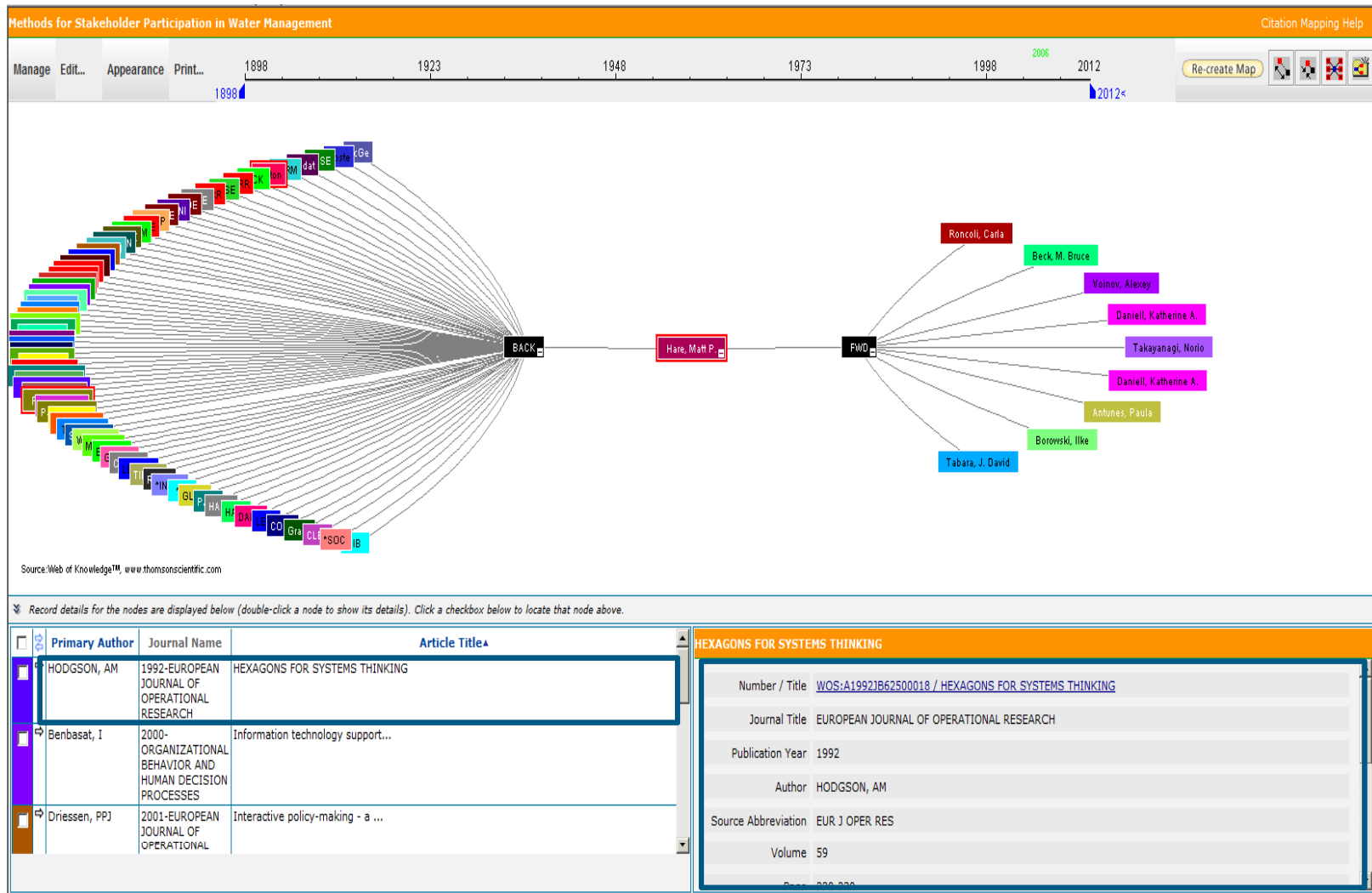
Cited References: 73
View the bibliography of this record (from Web of ScienceSM).
[Citation Map]

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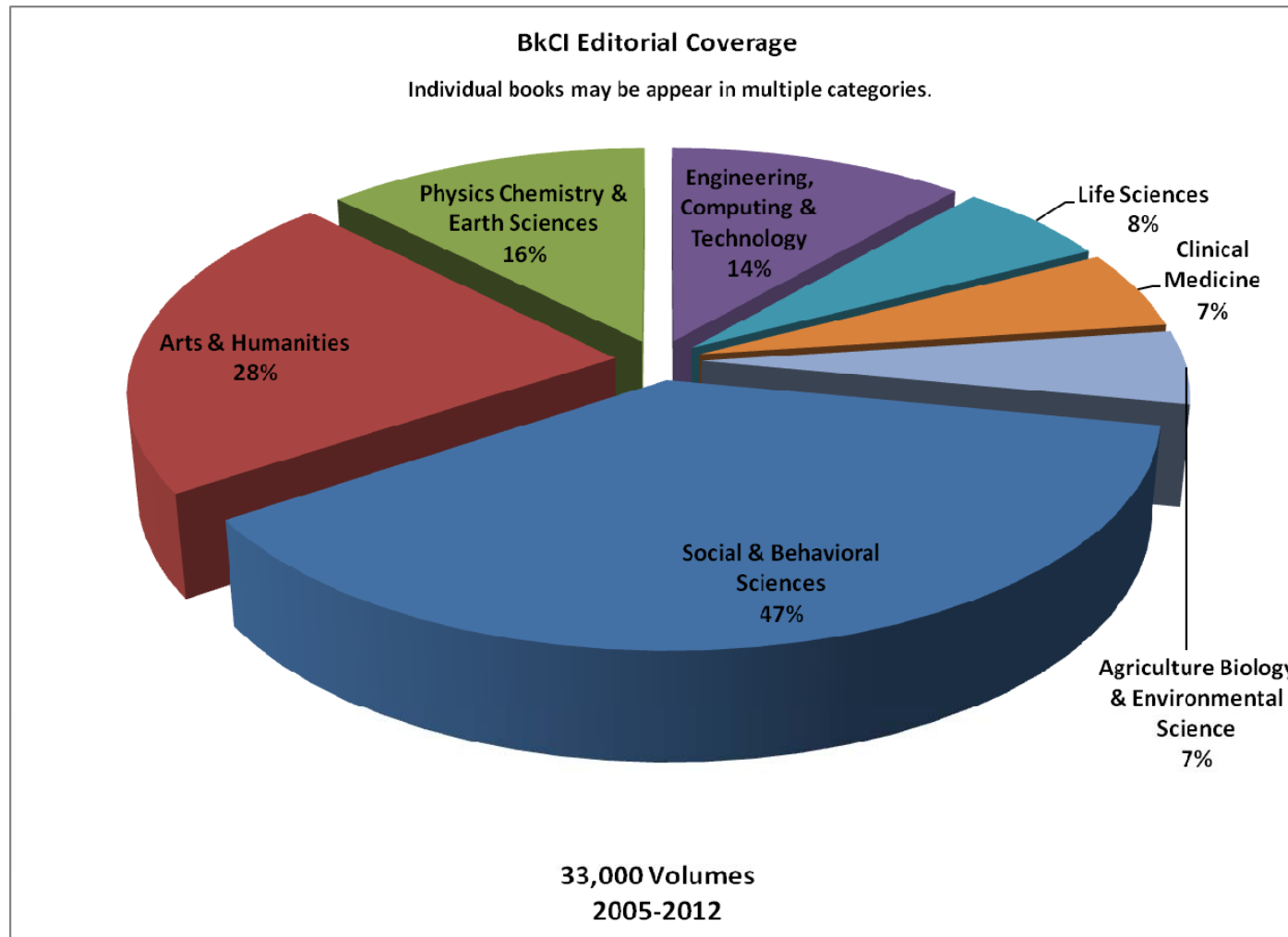
Viewing the Chapter's Citation Context

Cited by Hare (73)



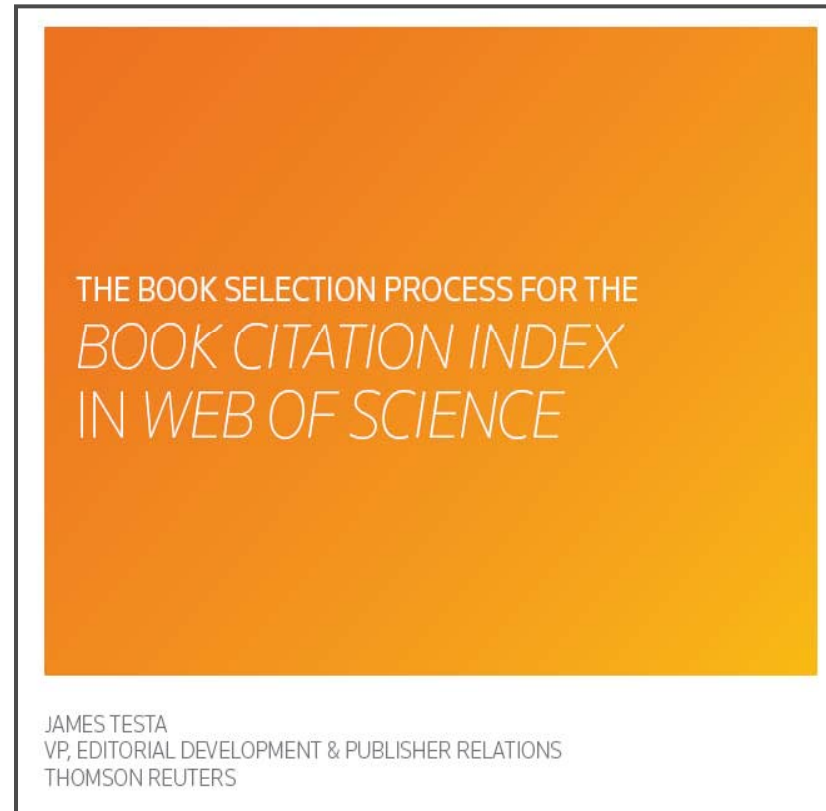
Citing Hare (9)

Editorial Profile of the Book Citation Index



Selection of Books Provided by Major Publishers; University Presses

Participating publishers are listed
at: <http://wokinfo.com/mbl/publishers/>



Full text available at: http://wokinfo.com/media/pdf/BKCI-SelectionEssay_web.pdf

How Can I Improve My Journal?

1. Active recruitment of high-impact articles by courting researchers
2. Offering authors better services
3. Boosting the journal's media profile
4. More careful article selection

-M. Chew, E. V. Villanueva, and M. B. Van Der Weyden, *Journal of the Royal Society of Medicine* **100** (3), 142 (2007).

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james.testa@thomsonreuters.com