



WEB OF SCIENCE – THE GOLD STANDARD FOR DISCOVERY AND RESEARCH EVALUATION

Jeff Clovis

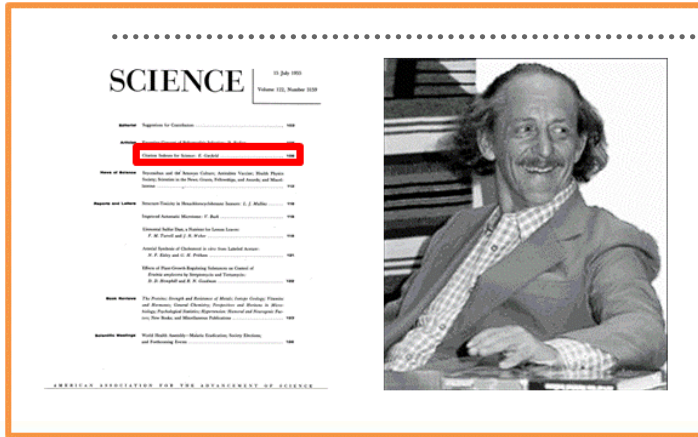


THOMSON REUTERS

Agenda

- Review Web of Science Coverage
- Using Web of Science for Metrics
- Journal Citation Reports

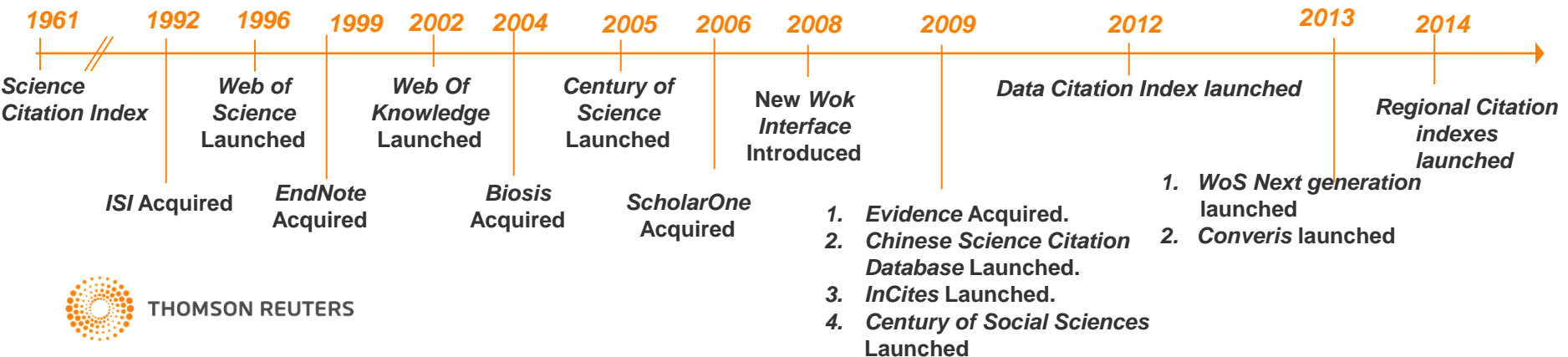
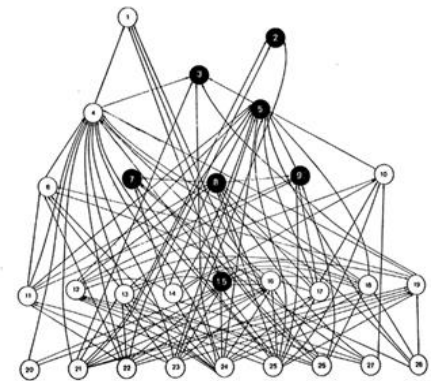
What is the Web of Science? A long history of innovation



Citation Indexes for Science

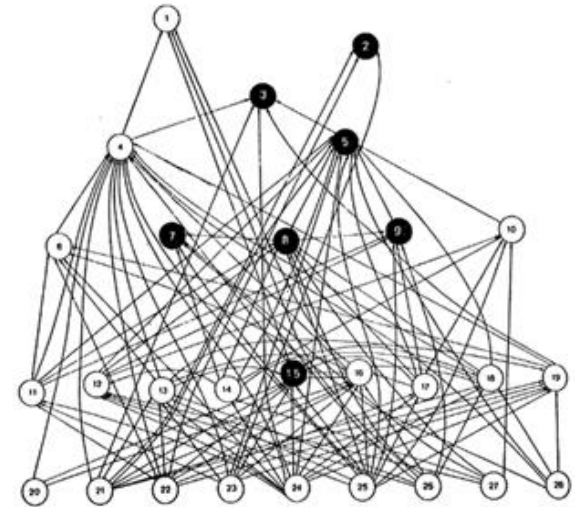
A New Dimension in Documentation through Association of Ideas

Science 122 (3159), p.108-11, July 1955



The Web of Science Universe

Citations measure the number of times a paper has been cited as a surrogate for its scientific *quality / utility / impact / merit*



Search Web of Science™ Core Collection

Basic Search

Example: oil spill* mediterranean

TIMESPAN

All years

From 1900 to 2016

MORE SETTINGS

Customer Feedback & Support

- All Databases
- Web of Science™ Core Collection
- Biological Abstracts®
- BIOSIS Citation IndexSM
- BIOSIS Previews®
- CABI: CAB Abstracts® and Global Health®
- Chinese Science Citation DatabaseSM
- Current Contents Connect®
- Data Citation IndexSM
- Derwent Innovations IndexSM
- FSTA® - the food science resource
- Inspec®
- KCI-Korean Journal Database
- MEDLINE®
- Russian Science Citation Index
- SciELO Citation Index
- Zoological Record®

115 million Records

1+ Billion Citation links

28,800 Journals
75,000 Books (10K to be added) annually
8.6 Million Conference proceedings
54+ Million Patents
5+ Million Data studies and Data sets

The Web of Science Core collection Development

JOURNAL SELECTION PROCESS

- The philosophy of the database is to offer content of the **highest quality** **UNIQUE**
- Selection is based on quality criteria established and developed for **over 50 years**
- Today, 16 **FULL TIME** editors **fully dedicated** are in charge of content selection and maintaining the quality and coherence of the database (**150 Years of experience**)
- +3,000 JOURNALS EVALUATED IN 2015
- **12% ACCEPTANCE RATE** in 2016

INFORMATION PROVIDER, NOT PRIMARY PUBLISHER

UNIQUE

- None of our editors are involved in journal edition or research publishing
- **NEUTRALITY + OBJECTIVITY = SELECTION OF THE HIGHEST QUALITY** **UNIQUE**



The Web of Science Core Collection – SCIE, SSCI, A&HCI, CPCI, BKCI and ESCI)

- 64M+ records: The **largest** citation database (1 BILLION+ references, back to 1898)
- **Multidisciplinary**
- Independent and neutral **selection of content**
- 17,700+ Journals, 12000+ annual conferences, 80,000 (10.000 per year) Books
- Journals are Indexed **Cover to Cover**
- **High quality/value** metadata (100% cited references, 100% authors, 100% affiliations, 100% Funding Agencies (2008))
- The most **trusted** citation information source (used by all major research institutions, governments and international rankings)



Web of Science Core Collection: Publication, Author, Topic, Journal, Funding Analysis

What type of documents are we publishing?

| Field: Document Types | Record Count | % of 10255 |
|-----------------------|--------------|------------|
| ARTICLE | 7173 | 69.946 % |
| PROCEEDINGS PAPER | 2282 | 22.253 % |
| MEETING ABSTRACT | 817 | 7.967 % |
| REVIEW | 155 | 1.511 % |
| NOTE | 114 | 1.112 % |
| BOOK CHAPTER | 111 | 1.082 % |
| EDITORIAL MATERIAL | 77 | 0.751 % |
| LETTER | 76 | 0.741 % |
| BOOK REVIEW | 64 | 0.624 % |
| CORRECTION | 17 | 0.166 % |
| NEWS ITEM | 5 | 0.049 % |
| POETRY | 4 | 0.039 % |
| BIOGRAPHICAL ITEM | 3 | 0.029 % |
| CORRECTION ADDITION | 1 | 0.010 % |
| DISCUSSION | 1 | 0.010 % |

Which countries are our top collaborators?

| Field: Countries/Territories | Record Count | % of 10255 |
|------------------------------|--------------|------------|
| KAZAKHSTAN | 10255 | 100.000 % |
| RUSSIA | 1683 | 16.412 % |
| USA | 1007 | 9.820 % |
| GERMANY | 606 | 5.909 % |
| ENGLAND | 485 | 4.729 % |
| JAPAN | 392 | 3.823 % |
| ITALY | 335 | 3.267 % |
| POLAND | 316 | 3.081 % |
| UKRAINE | 287 | 2.799 % |
| SPAIN | 272 | 2.652 % |
| CANADA | 259 | 2.526 % |
| ISRAEL | 225 | 2.194 % |
| FRANCE | 218 | 2.126 % |
| NETHERLANDS | 216 | 2.106 % |
| SOUTH KOREA | 213 | 2.077 % |
| SCOTLAND | 200 | 1.950 % |
| PEOPLES R CHINA | 199 | 1.941 % |
| BELGIUM | 187 | 1.824 % |
| INDIA | 166 | 1.619 % |
| GREECE | 164 | 1.599 % |

Which are the institutions we co-author the most?

| Field: Organizations-Enhanced | Record Count |
|--|--------------|
| AL FARABI KAZAKH NATIONAL UNIVERSITY | 1574 |
| NATIONAL ACADEMY SCIENCES KAZAKHSTAN | 1039 |
| LN GUMILYOV EURASIAN NATIONAL UNIVERSITY | 697 |
| RUSSIAN ACADEMY OF SCIENCES | 685 |
| NAZARBAYEV UNIVERSITY | 502 |
| LOMONOSOV MOSCOW STATE UNIVERSITY | 314 |
| KAZAKHSTAN NATIONAL NUCLEAR CENTER | 239 |
| DV SOKOLSKY INSTITUTE OF FUEL CATALYSIS ELECTROCHEMISTRY | 225 |
| KAZAKH NATIONAL TECHNICAL UNIVERSITY | 187 |
| UNIVERSITY OF LONDON | 184 |
| UNITED STATES DEPARTMENT OF ENERGY DOE | 183 |
| KAZAKH BRITISH TECHNICAL UNIVERSITY | 182 |
| ISTITUTO NAZIONALE DI FISICA NUCLEARE | 178 |
| MINIST EDUC SCI KAZAKHSTAN | 178 |
| IMPERIAL COLLEGE LONDON | 173 |
| ASTANA MEDICAL UNIVERSITY | 169 |
| UNIVERSITY COLLEGE LONDON | 169 |
| INSTITUTE OF IONOSPHERE | 168 |
| EA BUKETOV KARAGANDA STATE UNIVERSITY | 167 |
| UNIVERSITY OF OXFORD | 166 |

Which are the main research areas of our scientific focus?

| Field: Web of Science Categories | Record Count | % of 10255 |
|--------------------------------------|--------------|------------|
| PHYSICS PARTICLES FIELDS | 546 | 5.324 % |
| MATHEMATICS | 526 | 5.129 % |
| CHEMISTRY PHYSICAL | 502 | 4.895 % |
| CHEMISTRY MULTIDISCIPLINARY | 496 | 4.837 % |
| MATERIALS SCIENCE MULTIDISCIPLINARY | 485 | 4.729 % |
| PHYSICS APPLIED | 482 | 4.700 % |
| CHEMISTRY ORGANIC | 417 | 4.066 % |
| ASTRONOMY ASTROPHYSICS | 402 | 3.920 % |
| PHYSICS MULTIDISCIPLINARY | 388 | 3.784 % |
| PHYSICS NUCLEAR | 375 | 3.657 % |
| MATHEMATICS APPLIED | 350 | 3.413 % |
| NUCLEAR SCIENCE TECHNOLOGY | 334 | 3.257 % |
| ECONOMICS | 322 | 3.140 % |
| BIOCHEMISTRY MOLECULAR BIOLOGY | 307 | 2.994 % |
| METALLURGY METALLURGICAL ENGINEERING | 292 | 2.847 % |
| ENVIRONMENTAL SCIENCES | 275 | 2.682 % |
| EDUCATION EDUCATIONAL RESEARCH | 255 | 2.487 % |
| CHEMISTRY APPLIED | 242 | 2.360 % |
| ENGINEERING CHEMICAL | 242 | 2.360 % |
| GEOSCIENCES MULTIDISCIPLINARY | 234 | 2.282 % |

In which journals or conferences we publish the most?

| | | |
|--|-----|---------|
| PROCEDIA SOCIAL AND BEHAVIORAL SCIENCES | 254 | 2.477 % |
| RUSSIAN JOURNAL OF APPLIED CHEMISTRY | 186 | 1.814 % |
| CHEMISTRY OF NATURAL COMPOUNDS | 170 | 1.658 % |
| RUSSIAN JOURNAL OF GENERAL CHEMISTRY | 132 | 1.287 % |
| AIP CONFERENCE PROCEEDINGS | 130 | 1.268 % |
| FASEB JOURNAL | 119 | 1.160 % |
| ZHURNAL OBSHCHEI KHIMII | 111 | 1.082 % |
| PHYSICS OF ATOMIC NUCLEI | 103 | 1.004 % |
| VITH RYSKULOV READINGS SOCIO ECONOMIC MODERNIZATION OF KAZAKHSTAN UNDER CONDITIONS OF GLOBAL FINANCIAL INSTABILITY | 90 | 0.878 % |
| DIFFERENTIAL EQUATIONS | 88 | 0.858 % |
| INTERNATIONAL MULTIDISCIPLINARY SCIENTIFIC GEOCONFERENCE SGEM | 88 | 0.858 % |
| JOURNAL OF BIOTECHNOLOGY | 78 | 0.761 % |
| IZVESTIYA AKADEMII NAUK SERIYA FIZICHESKAYA | 77 | 0.751 % |
| EUROPEAN PHYSICAL JOURNAL C | 74 | 0.722 % |
| PHYSICS LETTERS B | 73 | 0.712 % |
| KHIMIYA PRIRODNYKH SOEDINENII | 65 | 0.634 % |
| PETROLEUM CHEMISTRY | 59 | 0.575 % |
| PROCEEDINGS OF SPIE | 59 | 0.575 % |
| ZOOLOGICHESKY ZHURNAL | 58 | 0.566 % |
| ABSTRACTS OF PAPERS OF THE AMERICAN CHEMICAL SOCIETY | 57 | 0.556 % |

Which major funding agencies fund our research projects?

| Field: Funding Agencies | Record Count |
|--|--------------|
| MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN | 174 |
| RUSSIAN FOUNDATION FOR BASIC RESEARCH | 113 |
| MINISTRY OF EDUCATION AND SCIENCE OF KAZAKHSTAN | 50 |
| NATIONAL NATURAL SCIENCE FOUNDATION OF CHINA | 37 |
| NATIONAL SCIENCE FOUNDATION | 32 |
| NATURAL SCIENCES AND ENGINEERING RESEARCH COUNCIL OF CANADA NSERC | 28 |
| NSF | 24 |
| MINISTRY OF EDUCATION AND SCIENCE OF THE RUSSIAN FEDERATION | 23 |
| RFBR | 23 |
| SCIENCE COMMITTEE OF THE MINISTRY OF EDUCATION AND SCIENCE OF THE REPUBLIC OF KAZAKHSTAN | 23 |
| GERMAN FEDERAL MINISTRY FOR EDUCATION AND RESEARCH BMBF | 21 |
| ISRAEL SCIENCE FOUNDATION | 20 |
| US NATIONAL SCIENCE FOUNDATION | 20 |
| RUSSIAN MINISTRY OF EDUCATION AND SCIENCE | 19 |
| ALEXANDER VON HUMBOLDT FOUNDATION | 18 |
| DEUTSCHE FORSCHUNGSGEMEINSCHAFT DFG | 18 |
| ITALIAN NATIONAL INSTITUTE FOR NUCLEAR PHYSICS INFN | 18 |
| JAPANESE MINISTRY OF EDUCATION CULTURE SPORTS SCIENCE AND TECHNOLOGY MEXT | 18 |
| NIH | 18 |
| POLISH MINISTRY OF SCIENCE AND HIGHER EDUCATION | 18 |
| NETHERLANDS FOUNDATION FOR RESEARCH ON MATTER FOM | 17 |
| US DEPARTMENT OF ENERGY | 17 |
| VOLKSWAGEN FOUNDATION | 17 |

| Rank the records by this field: | Set display options: | Sort by: |
|---|---|---|
| <ul style="list-style-type: none"> Authors Book Series Titles Conference Titles Countries/Territories | Show the top <input type="text" value="10"/> Results. Minimum record count (threshold): <input type="text" value="2"/> | <input checked="" type="radio"/> Record count <input type="radio"/> Selected field |

| | | | |
|--------------------------|---------------------|----|---------|
| <input type="checkbox"/> | HERNANDEZ-SANCHEZ H | 16 | 3.433 % |
| <input type="checkbox"/> | BELLO-PEREZ LA | 14 | 3.004 % |
| <input type="checkbox"/> | GUTIERREZ-LOPEZ GF | 14 | 3.004 % |
| <input type="checkbox"/> | ALAMILLA-BELTRAN L | 10 | 2.146 % |
| <input type="checkbox"/> | RODRIGUEZ-HUEZO ME | 10 | 2.146 % |
| <input type="checkbox"/> | PEREZ-ALONSO C | 9 | 1.931 % |
| <input type="checkbox"/> | RITO-PALOMARES M | 9 | 1.931 % |
| <input type="checkbox"/> | VERNON-CARTER EJ | 9 | 1.931 % |
| <input type="checkbox"/> | ALVAREZ-RAMIREZ J | 8 | 1.717 % |
| <input type="checkbox"/> | CHANONA-PEREZ JJ | 8 | 1.717 % |

| Field: Countries/Territories | Record Count |
|------------------------------|--------------|
| MEXICO | 418 |
| COLOMBIA | 19 |
| SPAIN | 16 |
| USA | 14 |
| CHILE | 9 |
| FRANCE | 7 |
| CUBA | 6 |
| ARGENTINA | 5 |
| ENGLAND | 4 |
| BELGIUM | 2 |
| BRAZIL | 2 |
| BULGARIA | 2 |
| INDIA | 2 |
| MALAYSIA | 2 |

| | |
|--|----|
| UNIV AUTONOMA METROPOLITANA IZTAPALAPA | 82 |
| INST POLITECN NAACL | 59 |
| UNIV NAACL AUTONOMA MEXICO | 35 |
| IPN | 25 |
| UNIV AUTONOMA METROPOLITANA | 21 |
| INST MEXICANO PETR | 17 |
| TECNOL ESTUDIOS SUPER ECATEPEC | 16 |
| UNIV AUTONOMA ESTADO MEXICO | 15 |
| UNIV GUADALAJARA | 15 |
| UNIV AUTONOMA ESTADO HIDALGO | 14 |
| UNIV MICHOACANA | 14 |
| UNIV VERACRUZANA | 14 |
| TECNOL MONTERREY | 12 |
| UNIV AUTONOMA ESTADO MORELOS | 12 |
| UNIV GUANAJUATO | 11 |
| UNIV AUTONOMA SAN LUIS POTOSI | 10 |
| UNIV SONORA | 10 |
| INST TECNOL CELAYA | 9 |
| UNIV IBEROAMER | 9 |
| INST TECNOL ORIZABA | 8 |
| UNIV AUTONOMA CHAPINGO | 8 |
| UNIV AUTONOMA COAHUILA | 8 |
| INST TECNOL MORELIA | 7 |
| INST TECNOL ZACATEPEC | 7 |
| UNIV NAACL COLOMBIA | 7 |



Citation Report

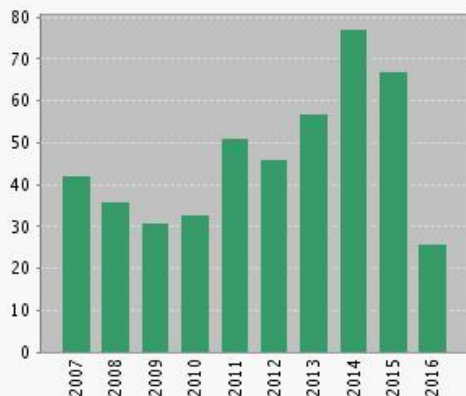
Citation Report: 466

(from Web of Science Core Collection)

You searched for: PUBLICATION NAME: (REVISTA MEXICANA DE INGENIERIA QUIMICA) ...More

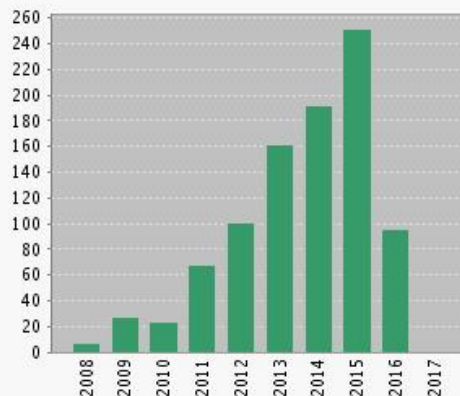
This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Published Items in Each Year



The latest 20 years are displayed.

Citations in Each Year



The latest 20 years are displayed.

Results found: 466

Sum of the Times Cited [?]: 928

Sum of Times Cited without self-citations [?]: 435

Citing Articles [?]: 618

Citing Articles without self-citations [?]: 393

Average Citations per Item [?]: 1.99

h-index [?]: 9

Use the checkboxes to remove individual items from this Citation Report

or restrict to items published between and

1. MORPHOMETRIC CHARACTERIZATION OF SPRAY-DRIED MICROCAPSULES BEFORE AND AFTER alpha-TOCOPHEROL EXTRACTION

By: Quintanilla-Carvajal, M. X.; Meraz-Torres, L. S.; Alamilla-Beltran, L.; et al.
REVISTA MEXICANA DE INGENIERIA QUIMICA Volume: 10 Issue: 2 Pages: 301-312 Published: AUG 2011

2. STORAGE STABILITY AND PHYSICO-CHEMICAL PROPERTIES OF PASSION FRUIT JUICE MICROCAPSULES BY SPRAY-DRYING

By: Carrillo-Navas, H.; Gonzalez-Rodea, D. A.; Cruz-Olivares, J.; et al.
REVISTA MEXICANA DE INGENIERIA QUIMICA Volume: 10 Issue: 3 Pages: 421-430 Published: DEC 2011

| 2013 | 2014 | 2015 | 2016 | 2017 | Total | Average Citations per Year |
|------|------|------|------|------|-------|----------------------------|
| 162 | 192 | 251 | 96 | 0 | 928 | 103.11 |
| 2 | 3 | 3 | 3 | 0 | 16 | 2.67 |
| 4 | 5 | 3 | 2 | 0 | 14 | 2.33 |



InCites Journal Citation Reports integrated with Web of Science

Access Journal Citation Reports from

View summary journal information within the Web of Science interface

Journal Citation Reports

Access Journal Citation Reports from

View Journal Information

View summary journal information within the Web of Science interface

Impact Factor
.694 1.024
2012 5 year

| JCR® Category | Rank in Category | Quartile in Category |
|-------------------------|------------------|----------------------|
| ENGINEERING, MECHANICAL | 69 of 125 | Q3 |
| MECHANICS | 98 of 135 | Q3 |
| THERMODYNAMICS | 36 of 55 | Q3 |

Data from Journal Citation Reports®

Publisher
TAYLOR & FRANCIS INC, 325 CHESTNUT ST, SUITE 800, PHILADELPHIA, PA 19106 USA

ISSN
0145-7632 (print)

Research Domain
Thermodynamics
Engineering
Mechanics

Close Window

Review of the Manufacturing Techniques for Porous Structures
By: Patil, CM (Patil, Chinmay M.)^[1]; Kandlikar, SG (Kandlikar, Satish G.)^[1]

HEAT TRANSFER ENGINEERING
Volume: 35 Issue: 10 Pages: 887-902
DOI: 10.1080/01457632.2014.862141
Published: JUL 3 2014

Abstract
Continuous development of high-performance microelectronic chips requires efficient heat fluxes while maintaining low thermal expansion. This paper presents a novel design of porous structures developed on the surfaces of microelectronic chips.

KeyWords Plus: HEAT-TRANSFER ENHANCEMENT; NANO-FLUIDS; COPPER NANOTUBES; SMOOTH

THOMSON REUTERS

Web of Science Core Collection ESI integration

Integrated metrics and indicators

- New “Hot” and “Highly Cited” paper indicators integrated from Essential Science Indicators

The screenshot displays the Web of Science interface. At the top, navigation tabs include 'Web of Science', 'InCites', 'Journal Citation Reports', 'Essential Science Indicators', and 'EndNote'. The user is identified as 'John Smith' and the language is set to 'English'. The main header features the 'WEB OF SCIENCE' logo and the 'THOMSON REUTERS' logo. Below the header, there are navigation options: 'Back to Search', 'My Tools', 'Search History', and 'Marked List' (with a count of 2). The search results section shows 'Results: 6,299' and a sorting option of 'Publication Date-newest to oldest'. A search suggestion 'Did you mean Oil Spill?' is visible. The search criteria are: 'TOPIC: (Oil Spill), AND AUTHOR: Izzat, J*, AND TITLE: (Oil)More'. A 'Create Alert' link is present. The 'Refine Results' section includes a search box and a list of categories: 'Web of Science Categories' with checkboxes for 'ENVIRONMENTAL SCIENCE (112)', 'MARINE FRESHWATER (50)', 'OCEANOGRAPHY (29)', 'GEOSCIENCES MULTIDISCIPLINARY', and 'REMOTE SENSING (1)'. A 'Document Types' section is also visible. The main search results list shows one entry: '1. Self-Inflicted Industry Wounds: Early Warning Signals and Pelican Gambits' by Donaldson, Thomas; Schoemaker, Paul J. H. in 'CALIFORNIA MANAGEMENT REVIEW' Volume: 55 Issue: 2 Pages: 24-55 Published: WIN 2013. This entry is highlighted with a red box. To the right of the entry, a red-bordered box contains the following metrics: 'Times Cited: 3 (from Web of Science Core Collections)', 'ESI Hot', and 'Highly Cited'. Below the entry, there are buttons for 'Full Text' and 'Show Abstract'. A large, semi-transparent overlay box is positioned over the bottom part of the page, containing the text 'Times Cited: 27 (from Web of Science)', 'ESI Hot', and 'Highly Cited' with corresponding icons.

The Journal Citation Reports: an Introduction

“Primary Users” of the JCR

- Librarians – to assist in the decision-making..... around journal collection development and maintenance practices.
- Authors – to help with decisions on manuscript submission, identify most influential publications within various disciplines.
- University Administrators – to gauge the impact of journals in which faculty are publishing.
- Journal Publishers – to monitor the influence and standing of their journals and compare to competing journals.
- Journal Editors – assist in the tracking the influence of editorial policies over time.
- Information Analysts/Bibliometricians – to engage and develop the study of citation metrics.



2011 Impact Factor **4.930**

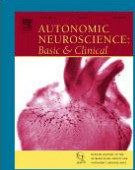
Editor-in-Chief: [Claude F. Meares](#)

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**Autonomic Neuroscience:
Basic and Clinical**

Adopted as the official publication
of [The International Society for Auto
Neuroscience](#)

The aim of the Journal is to stimulate, publish
original investigations on the **autonomic ne**
this includes the innervation of **blood vesse**
autonomic ganglia, efferent...

[View full aims and scope](#)

Editor-in-Chief: [G. Burnstock](#)
[View full editorial board](#)

**Impact
Factor: 1.858**

5-Year Impact
Factor: 1.942

Imprint: ELSEVIER

Recent Articles

[Characterization of supraspinal
vasomotor pathways and autonomic
dysreflexia after spinal cord injury in
F344 rats](#)
Shaoping Hou | Paul Lu | ...

ENDNOTE® ONLINE

MANUSCRIPT MATCHER – LOCATE BEST JOURNALS FOR MANUSCRIPTS

The screenshot shows the EndNote Manuscript Matcher interface. At the top, the 'Match' button is highlighted with a 'NEW' badge. Below it, the main heading reads 'Find the Best Fit Journals for your Manuscript', followed by 'Powered By Web of Science™'. The 'Enter your Manuscript Details' section contains two required fields: '*Title:' with the text 'e-cigarette' and '*Abstract:' with the text 'electronic delivery vapor'. Below these is a 'References:' section with a dropdown menu showing '-Vaping: WOS CC Top 04'-12'' and a note that '49 citations from Group: Vaping: WOS CC Top 04'-12' will be included in this search'. A 'Find Journals >' button is located at the bottom right of the form. Three callout boxes provide additional information: one on the right lists the criteria used for recommendations (Title, Abstract, and References), one below it states that the tool leverages data from thousands of journals indexed in the Web of Science, and one at the top right describes the 'New Journal Matching Feature' as a sophisticated algorithm.

ENDNOTE™

My References Collect Organize Format **Match NEW** Options ConnectBase

Find the Best Fit Journals for your Manuscript Powered By Web of Science™

Enter your Manuscript Details:

***Title:**
e-cigarette

***Abstract:**
electronic delivery vapor

*required

References:
-Vaping: WOS CC Top 04'-12' 49 citations from **Group: Vaping: WOS CC Top 04'-12'** will be included in this search

Including references allows us to match more data points relevant to your manuscript

Find Journals >

New Journal Matching Feature suggests top candidates for manuscript submission. Sophisticated algorithm utilizes the following for journal recommendations:

- Title
- Abstract
- References (Optional)

Leverages meticulously indexed data from thousands of journals indexed within the Web of Science

MANUSCRIPT MATCHER PRODUCT DETAILS:
<http://endnote.com/product-details/manuscript-matcher>



TH

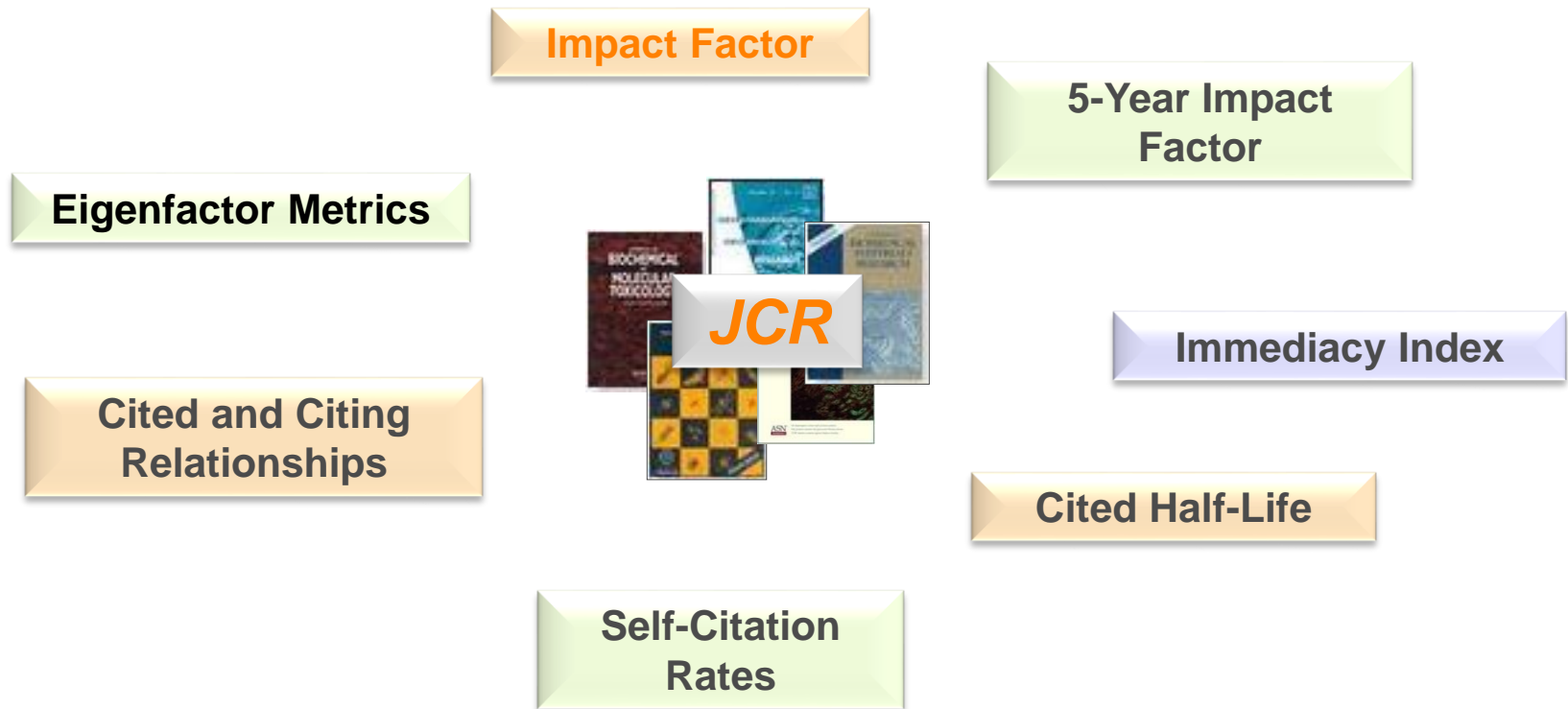
ENDNOTE® ONLINE

MANUSCRIPT MATCHER – REVIEW DETAIL ON SUGGESTED JOURNALS

The screenshot shows the 'Match' tab of the EndNote Online Manuscript Matcher. The interface displays a list of 10 journal matches for a manuscript. The top navigation bar includes 'My References', 'Collect', 'Organize', 'Format', 'Match' (highlighted), 'Options', and 'Connect'. The main heading is 'Find the Best Fit Journals for your Manuscript' powered by Web of Science™. The table lists journal matches with columns for Match Score, JCR Impact Factor (Current Year and 5 Year), Journal Name, Similar Articles, and a feedback section. Callouts provide detailed explanations for various elements: 'Match Score Prioritizes Journals' points to the Match Score column; 'Current JCR Impact Factor & 5-yr Impact Factor' points to the JCR Impact Factor columns; 'Suggested Journal Name' points to the Journal Name column; 'Open-Access Journal Indicator' points to the open access icon; 'View Similar Articles within Suggested Journal' points to the Similar Articles column; 'Provide Feedback on Suggestions' points to the 'Was this helpful?' section; 'Access Journal Details via Publisher' points to the 'Journal Information >>' links; and 'Submit Manuscript to Journal Publisher' points to the 'Submit >>' buttons.

| Match Score | JCR Impact Factor Current Year 5 Year | Journal | Similar Articles | Feedback |
|----------------|--|-----------------------------|------------------|---------------------------------|
| [Progress Bar] | 2.805 2013 3.125 5 Year | NICOTINE & TOBACCO RESEARCH | 5 | Was this helpful? ✓ YES ✗ NO |
| [Progress Bar] | 5.15 2013 4.532 5 Year | TOBACCO CONTROL | 2 | Was this helpful? ✓ YES ✗ NO |
| [Progress Bar] | 2.321 2013 2.781 5 Year | BMC PUBLIC HEALTH | 2 | Was this helpful? ✓ YES ✗ NO |
| [Progress Bar] | 4.894 2013 5.467 5 Year | ADDICTION | 1 | Was this helpful? ✓ YES ✗ NO |
| [Progress Bar] | 2.441 2013 2.8 5 Year | ADDICTIVE BEHAVIORS | 1 | Was this helpful? ✓ YES ✗ NO |

The Journal Citation Reports: the Metrics



The Journal Citation Reports: an Introduction

Types of Information Presented

- **Journal Citation Metrics and Information**
 - **Impact Factor, Total Citations, Immediacy Index, Self-Citations, etc.**
- **Journal Citation Relationships**
 - **Cited and Citing Journals**
 - **Related Journals**
- **Publication Information**
 - **Publisher, Source Data, Subject Category Info, etc.**

The Journal Citation Reports: an Introduction

The Journal Impact Factor

Impact Factor is...

- **A valuable indicator of journal influence.**
- **Comparative for journals *within but not between* subject areas.**

Impact Factor is Not...

- **A measurement of the quality of an individual's, department's, or institution's research output.**

The Journal Citation Reports: Impact Factor

The Impact Factor is very easily understood, it's calculation is really just simple division, and the details of the calculation itself – for every journal – is presented in the JCR.

Journal Impact Factor ⓘ

| | | | |
|--------------------------------------|------------|-------------------------------|------------|
| Cites in 2011 to items published in: | 2010 = 224 | Number of items published in: | 2010 = 118 |
| | 2009 = 269 | | 2009 = 114 |
| | Sum: 493 | | Sum: 232 |

Calculation: $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{493}{232} = \mathbf{2.125}$

5-Year Journal Impact Factor ⓘ

| | | | |
|--|------------|-------------------------------|------------|
| Cites in {2011} to items published in: | 2010 = 224 | Number of items published in: | 2010 = 118 |
| | 2009 = 269 | | 2009 = 114 |
| | 2008 = 304 | | 2008 = 114 |
| | 2007 = 283 | | 2007 = 109 |
| | 2006 = 231 | | 2006 = 88 |
| | Sum: 1311 | | Sum: 543 |

Calculation: $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{1311}{543} = \mathbf{2.414}$

Go to Journal Profile **Journals By Rank** Categories By Rank

Master Search

Journal Titles Ranked by Impact Factor

Hide Visualization —

Compare Journals

View Title Changes

Select Journals

Select Categories

Select JCR Year
2012

Select Edition
 SCIE SSCI

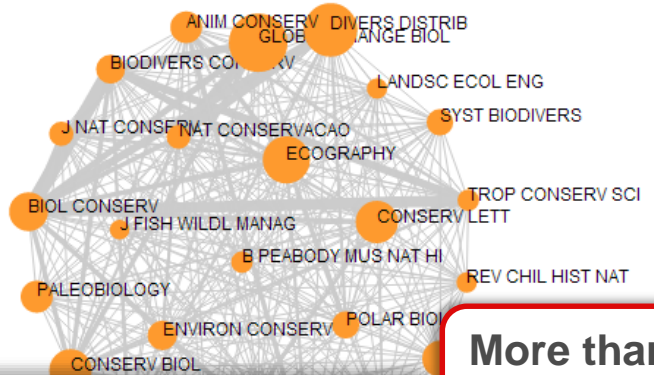
Category Schema
Web of Science

JIF Quartile

Select Publisher

Select Country/Territory

Impact Factor Range
[] to []
Clear Submit



Customize Indicators

- JCR Abbreviated Title
- Total Cites
- Journal Impact Factor
- Impact Factor without Journal Self Cites
- 5 Year Impact Factor
- Immediacy Index
- Citable Items
- Cited Half-Life
- Citing Half-Life
- Eigenfactor Score
- Article Influence Score

Save

More than just the Impact Factor

Customize Indicators

| Journal Title | Total Cites | Journal Impact Factor | 5 Year Impact Factor | Eigenfactor Score | Article Infl Score |
|-------------------------|-------------|-----------------------|----------------------|-------------------|--------------------|
| CONSERVATION LETTERS | 2,279 | 3.485 | 4.106 | 4.717 | 0.00546 |
| BIOLOGICAL CONSERVATION | 3,352 | 2.787 | 3.325 | 4.241 | 0.04108 |
| CONSERVATION LETTERS | 7,819 | 7.819 | 7.819 | 0.06099 | |
| BIOLOGICAL CONSERVATION | 5,743 | 5.743 | 5.743 | 0.01676 | |
| CONSERVATION LETTERS | 5,791 | 5.791 | 5.791 | 0.01840 | |
| BIOLOGICAL CONSERVATION | 5,462 | 5.462 | 5.462 | 0.02855 | |

Revista Mexicana de Ingenieria Quimica

ISSN: 1665-2738

UNIV AUTONOMA METROPOLITANA-IZTAPALAPA

C/O DR JAIME VERNON-CARTER, SAN RAFAEL ATLIXCO NO 186, COL VICENTINA, DELEGACION IZTAPALAPA, MEXICO 09340, MEXICO

MEXICO

[Go to Journal Table of Contents](#)

[Go to Ulrich's](#)

Titles

ISO: Rev. Mex. Ing. Quim.

JCR Abbrev: REV MEX ING QUIM


Categories

CHEMISTRY, APPLIED - SCIE;
ENGINEERING, CHEMICAL - SCIE;

Languages

SPANISH

3 Issues/Year;

 Open Access from 2002

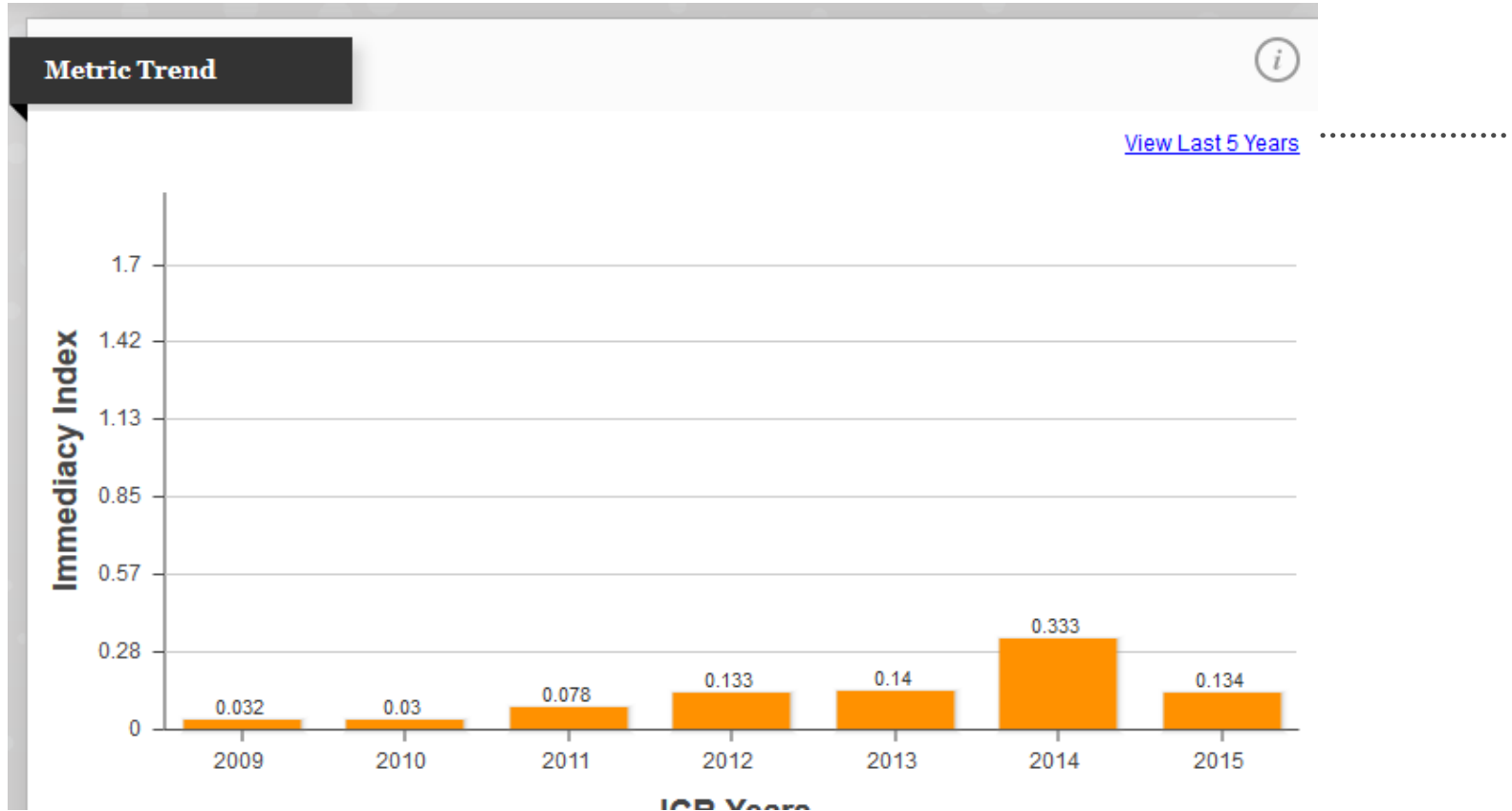
Key Indicators

| Year ▾ | Total Cites Graph | Journal Impact Factor Graph | Impact Factor Without Journal Self Cites Graph | 5 Year Impact Factor Graph | Immediacy Index Graph | Citable Items Graph | Cited Half-Life Graph | Citing Half-Life Graph | Eigenfactor Score Graph | Article Influence Score Graph | % Articles in Citable Items Graph | Normalized Eigenfactor Graph | Average JIF Percentile Graph |
|--------|--------------------------------------|--|---|---|--|--|--|---|--|--|--|---|---|
| 2015 | 295 | 0.924 | 0.204 | 0.812 | 0.134 | 67 | 3.7 | 8.8 | 0.00027 | 0.067 | 100.00 | 0.03015 | 31.993 |
| 2014 | 236 | 0.569 | 0.098 | 0.682 | 0.333 | 75 | 3.6 | 8.2 | 0.00023 | 0.067 | 97.33 | 0.02568 | 19.931 |
| 2013 | 202 | 0.948 | 0.302 | 0.759 | 0.140 | 57 | 3.1 | 8.7 | 0.00024 | 0.075 | 98.25 | 0.02673 | 35.254 |
| 2012 | 132 | 0.560 | 0.309 | 0.516 | 0.133 | 45 | 3.6 | 8.9 | 0.00027 | 0.081 | 97.78 | Not A... | 23.933 |
| 2011 | 98 | 0.578 | 0.203 | Not A... | 0.078 | 51 | Not A... | 8.4 | 0.00019 | Not A... | 100.00 | Not A... | 23.933 |
| 2010 | 50 | 0.242 | 0.196 | Not A... | 0.030 | 33 | Not A... | 8.7 | 0.00015 | Not A... | 100.00 | Not A... | 11.839 |
| 2009 | 70 | 0.325 | 0.116 | Not A... | 0.032 | 31 | Not A... | 8.4 | 0.00017 | Not A... | 100.00 | Not A... | 15.430 |



THOMSON REUTERS

The Journal Citation Reports: Immediacy Index

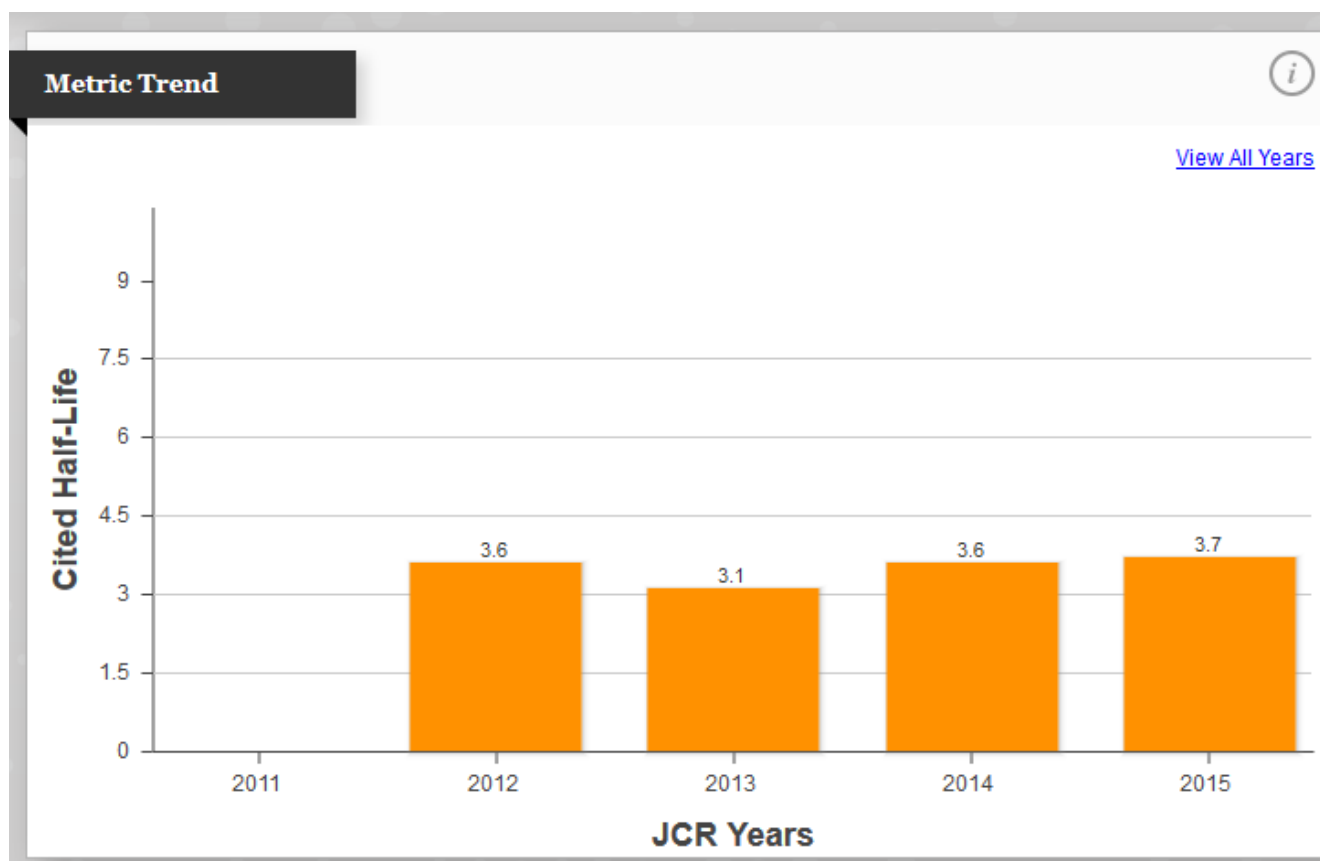


The Immediacy Index is an indication how quickly articles in a journal are cited.

The journal Immediacy Index indicates how quickly articles in a journal are cited. The aggregate Immediacy Index indicates how quickly articles in a subject category are cited.

The Journal Citation Reports: Cited Half Life

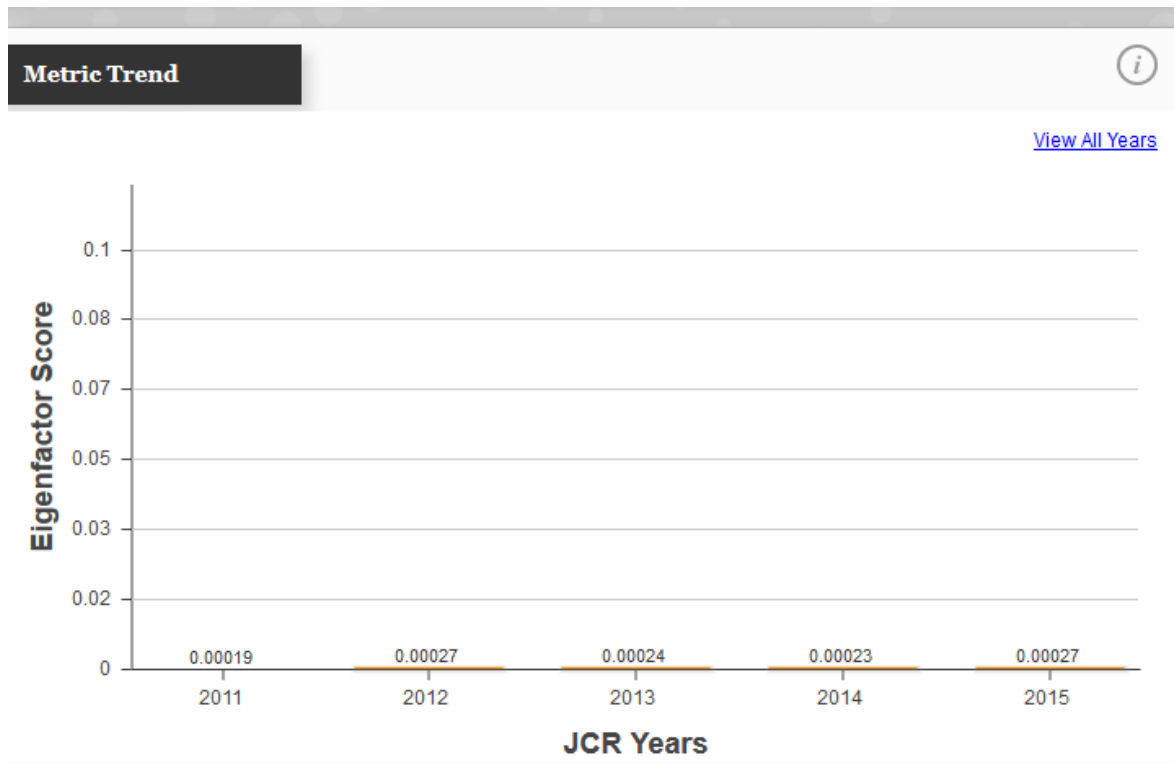
The cited half-life calculation finds the number of publication years from the current JCR year that account for 50% of citations received by the journal. Median age of the articles that were cited in the JCR year. Half of a journal's cited articles were published more recently than the cited half-life.



The Journal Citation Reports: Eigenfactor Score

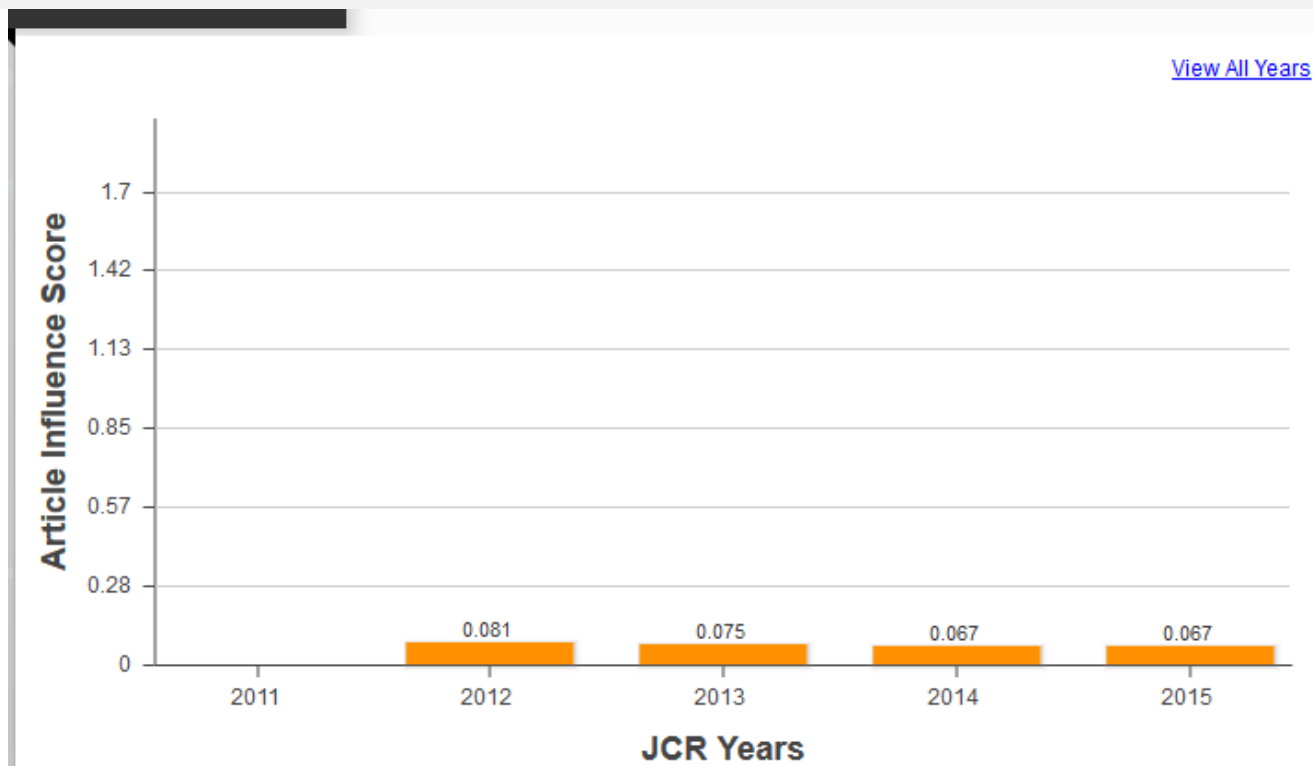
The Eigenfactor Score of Journal X is defined as the percentage of the total weighted citations that Journal X receives from all source journals within the JCR.

The *Eigenfactor* Score calculation is based on the number of times articles from the journal published in the past five years have been cited in the JCR year; but it also considers which journals have contributed these citations so that highly cited journals will influence the network more than lesser cited journals. Therefore a single citation from a highly-cited journal may be more valuable than multiple citations from lesser-cited journals. References from one article in a journal to another article from the same journal are removed. Representative of a journal's overall contribution to the whole of scholarly journal influence.



The Journal Citation Reports: Article Influence

A journal's *Article Influence* score presents an average for article-level influence. The calculation of *Article Influence Score* does in fact incorporate *Eigenfactor Score*. *Article Influence* scores are normalized so that the average article in the entire Thomson Journal Citation Reports (JCR) database has an article influence of 1.00. Therefore – a journal with an *Article Influence* score or 18.00 has eighteen times the influence of the “average” journal in the JCR. They do add additional perspective on the overall influence of a journal.



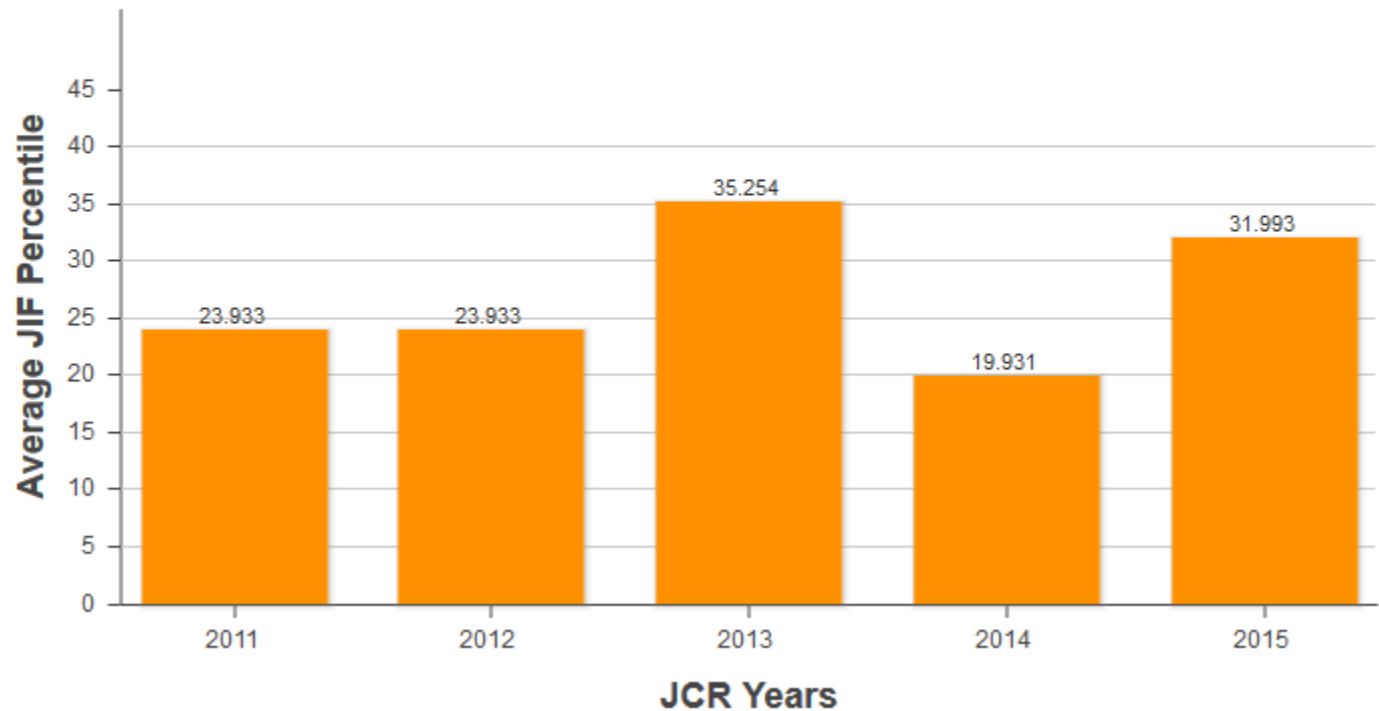
The Journal Citation Reports: Journal Impact Factor Percentile

The Journal Impact Factor Percentile transforms the rank in category by Journal Impact Factor into a percentile value, allowing more meaningful cross-category comparison.

Metric Trend



[View All Years](#)



Go to Journal Profile **Journals By Rank** Categories By Rank

Master Search



Journal Titles Ranked by Impact Factor

Hide Visualization —

Compare Journals

View Title Changes

Select Journals

Select Categories

Select JCR Year
2012

Select Edition
 SCIE SSCI

Category Schema
Web of Science

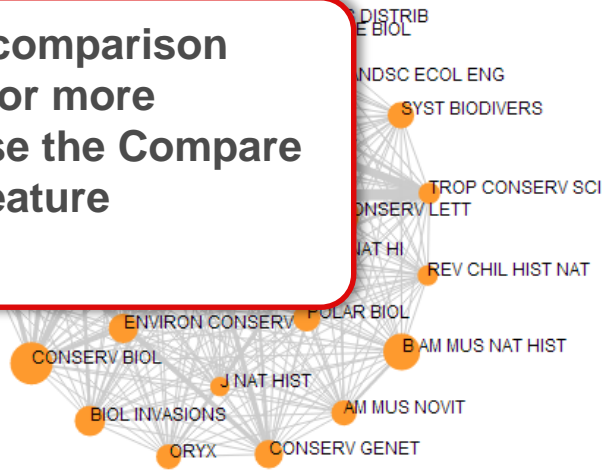
JIF Quartile

Select Publisher

Select Country/Territory

Impact Factor Range
to
Clear Submit

For direct comparison between 2 or more journals use the Compare Journals feature



1 - 25 of 40

Compare Selected Journals Add Journals to Marked List Customize Indicators

| | Full Journal Title | Total Cites | Journal Impact Factor | 5 Year Impact Factor |
|--------------------------|-------------------------------|-------------|-----------------------|----------------------|
| <input type="checkbox"/> | 1 GLOBAL CHANGE BIOLOGY | 18,398 | 6.910 | 7.819 |
| <input type="checkbox"/> | 2 DIVERSITY AND DISTRIBUTIONS | 4,336 | 6.122 | 5.743 |
| <input type="checkbox"/> | 3 ECOGRAPHY | 6,416 | 5.124 | 5.791 |
| <input type="checkbox"/> | 4 Conservation Letters | 833 | 4.356 | 4.717 |
| <input type="checkbox"/> | 5 CONSERVATION BIOLOGY | 15,836 | 4.355 | 5.462 |
| <input type="checkbox"/> | 6 BIOLOGICAL CONSERVATION | 17,725 | 3.794 | 4.241 |

Compare Journals

1. Select Comparison

Quartile Trends

2. Select Journals

3. Select JCR Years

- 2007
- 2003
- 2002
- 2001
- 2000
- 1999
- 1998
- 1997

4. Select Metric

Impact Factor Without J

5. Select Category

Clear Submit Save



The Compare Journals feature enables the instant comparisons of selected journals. It can be useful for look at Trends to identify the trajectory of journal performance

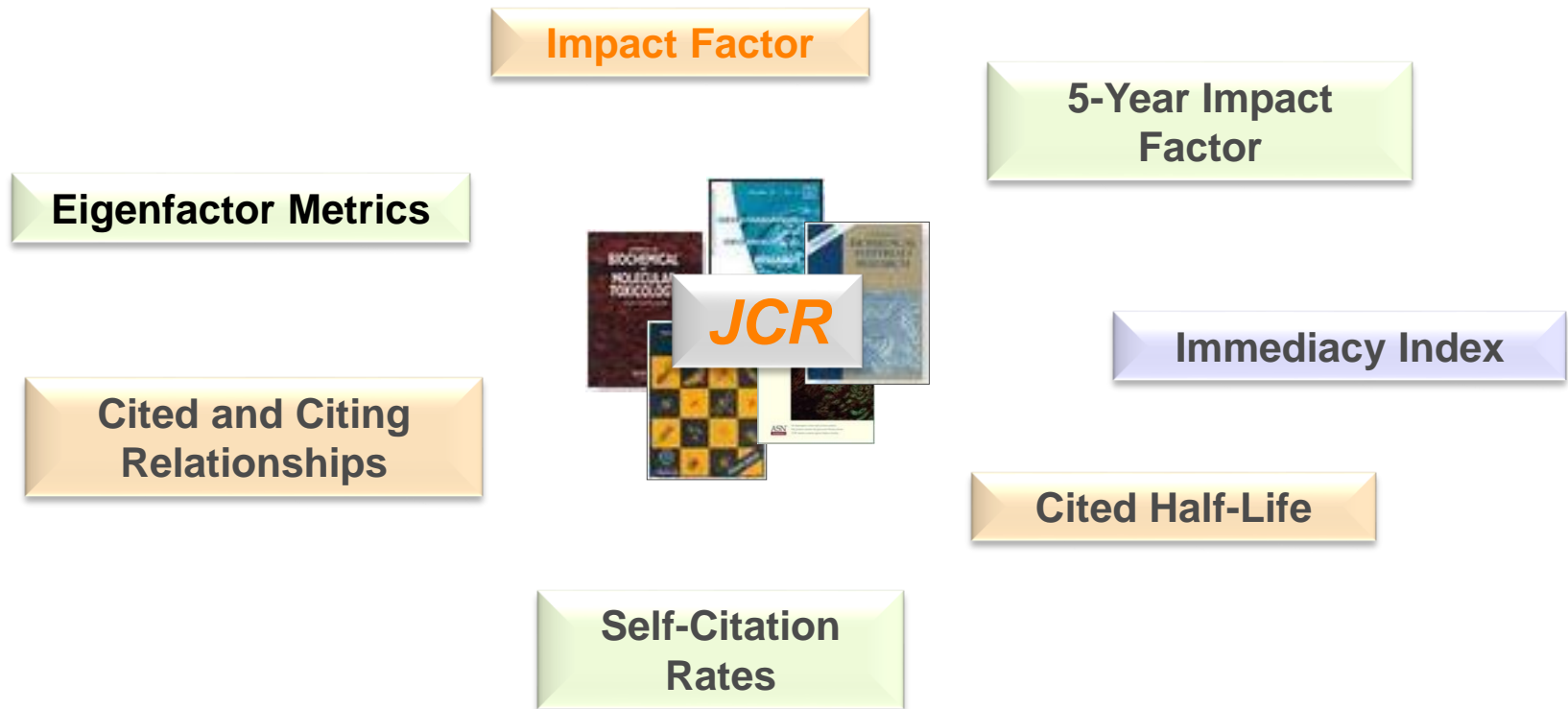
Journal Impact Factor Percentile and Quartile— In Category

JCR Impact Factor

| JCR Year ▼ | CHEMISTRY, APPLIED | | | ENGINEERING, CHEMICAL | | |
|---------------|--------------------|----------|----------------|-----------------------|----------|----------------|
| | Rank | Quartile | JIF Percentile | Rank | Quartile | JIF Percentile |
| 2015 | 50/71 | Q3 | 30.282 | 90/135 | Q3 | 33.704 |
| 2014 | 59/72 | Q4 | 18.750 | 107/135 | Q4 | 21.111 |
| 2013 | 50/71 | Q3 | 30.282 | 80/133 | Q3 | 40.226 |
| 2012 | 57/71 | Q4 | 20.423 | 97/133 | Q3 | 27.444 |
| 2011 | 57/71 | Q4 | 20.423 | 97/133 | Q3 | 27.444 |
| 2010 | 63/70 | Q4 | 10.714 | 118/135 | Q4 | 12.963 |
| 2009 | 57/64 | Q4 | 11.719 | 104/128 | Q4 | 19.141 |



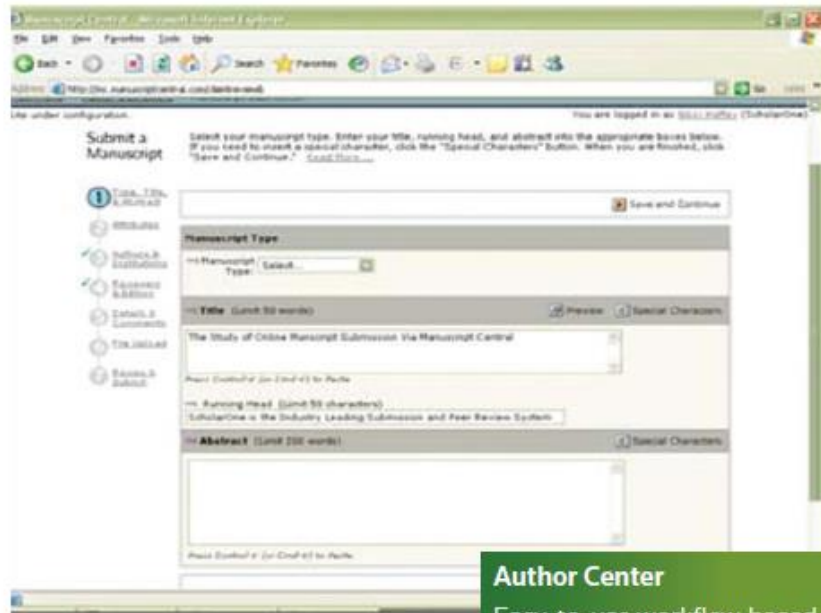
The Journal Citation Reports: an Introduction Part 2



ScholarOne Manuscripts - Manage the Publishing Process

ScholarOne Manuscripts is the leading system for web-based manuscript submission, peer review, and tracking.

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Author Center
Easy-to-use workflow based
system for quick submission

ScholarOne Reviewer Locator

- Seamless process to help you find highly qualified subject experts to peer review your journal's submissions. Reviewer Locator works by comparing new manuscript submissions against Web of Science™ content to generate a list of experts
- ATLAS, our proprietary engine, parses and extracts research manuscript metadata such as author names, title, abstract, keywords, and journal of publication from the Web of Science. as potential reviewers.
- The ultimate goal of Reviewer Locator is to help editors find qualified reviewers more efficiently. This objective was at the front of our minds when designing how Review Locator would integrate with ScholarOne Manuscripts.
- Reviewer requests are generated automatically upon submission for each manuscript with an abstract. When the paper reaches reviewer selection, results are immediately available for the editor.
- Reviewer results are cleanly integrated into the existing “Select Reviewers” tab.
- Reviewer Locator can be configured to return up to 30 potential reviewers.
- Results appear in order of relevance as determined by the ATLAS search.



THANK YOU! Q&A

