University of Malaya

From the SelectedWorks of Nader Ale Ebrahim

Winter December 6, 2014

"Research Tools": Tools for supporting research and publications

Nader Ale Ebrahim

Available at: https://works.bepress.com/aleebrahim/95/

UNIVERSITY OF MALAYA

The Leader in Research & Innovation

RESEARCH SUPPORT UNIT,
CENTRE OF RESEARCH SERVICES
LEVEL 2, CENTRE OF RESEARCH SERVICES RESEARCH MANAGEMENT & INNOVATION COMPLEX (IPPP), UNIVERSITY OF MALAYA

بسم الله الرحمن الرحيم

Scientific Writing Workshop

***Research Tools*:**

Tools for supporting research and publications

***Research Tools*:**

Tools for supporting research and publications

Available online at: http://dx.doi.org/10.6084/m9.figshare.1258801

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www.researcherid.com/rid/C-2414-2009
http://scholar.google.com/citations

Abstract

"Research Tools" can be defined as vehicles that broadly facilitate research and related activities. "Research Tools" enable researchers to collect, organize, analyze, visualize and publicized research outputs. Dr. Nader has collected over 700 tools that enable students to follow the correct path in research and to ultimately produce high-quality research outputs with more accuracy and efficiency. It is assembled as an interactive Web-based mind map, titled "Research Tools", which is updated periodically. "Research Tools" consists of a hierarchical set of nodes. It has four main nodes: (1) Searching the literature, (2) Writing a paper, (3) Targeting suitable journals, and (4) Enhancing visibility and impact of the research.

Problem statements

The search can be time consuming and sometimes tedious task. How can make it easier? How do deal with situations such as:

- “I just join as a new postgraduate student and I am not sure how to do a literature search”
- “I have been in research for some time now but I spend a lot of time to get the articles I want”
- “I am sure I have downloaded the article but I am not able to find it”
- “I wanted to write a new paper, how can I manage the references in the shortest possible time?”
- “I have many references, some of my old papers, and some of my current research. Sometimes, they are so many that I can’t recall where I have kept them in my folders!”
- ……..
- “I have written an article and I am not able to find a proper Journal”
- "I want to increase the citation of my papers, how do I do?"

Objectives

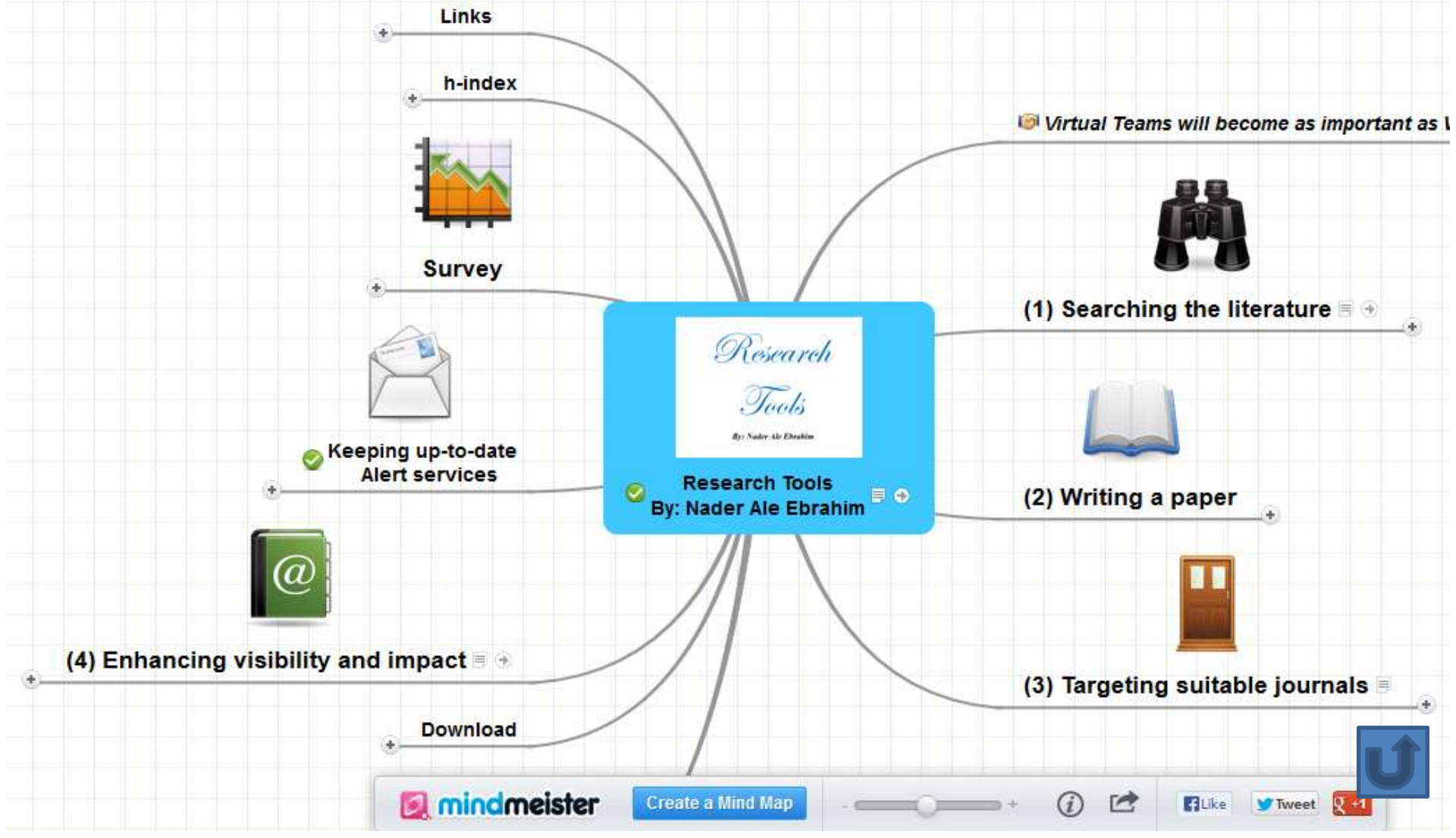
The seminar seeks to serve the following objectives:

i. To help students who seek to reduce the search time by expanding the knowledge of researchers to more effectively use the "tools" that are available through the Net.
ii. To evaluate the types of literature that researchers will encounter.
iii. To convert the information of the search for a written document.
iv. To help researchers learn how to search and analyze the right journal to submit.
v. To promote their publication for further citation.

Outline

1. Introduce "Research Tools" Mind Map
2. Finding keyword/s
3. Finding proper articles,
4. Evaluate a paper/journal quality
5. Effective literature search
6. Keeping up-to-date (Alert system), Indexing desktop search tools
7. Writing a paper, The paraphrasing & editing tools, Avoid plagiarism
8. Organize the references (Reference management) tools
9. Target suitable journal
10. Promote your publications to get more citation
11. Q&A

Research Tools Mind Map



Finding keyword/s

The Research Process

Source: https://speakerdeck.com/vforrestal/beyond-the-citation-introducing-students-to-scholarly-research-and-writing-through-strategic-collaboration

Keywords

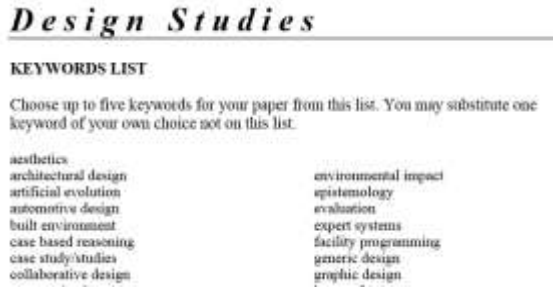
Selecting keywords lead to get more citation.

Google AdWords

ISI Web of KNOWLEDGE
Transforming Research

MASTER KEYWORDS LIST
Journal of International Business Studies

Google Trends


Design Studies

KEYWORDS LIST

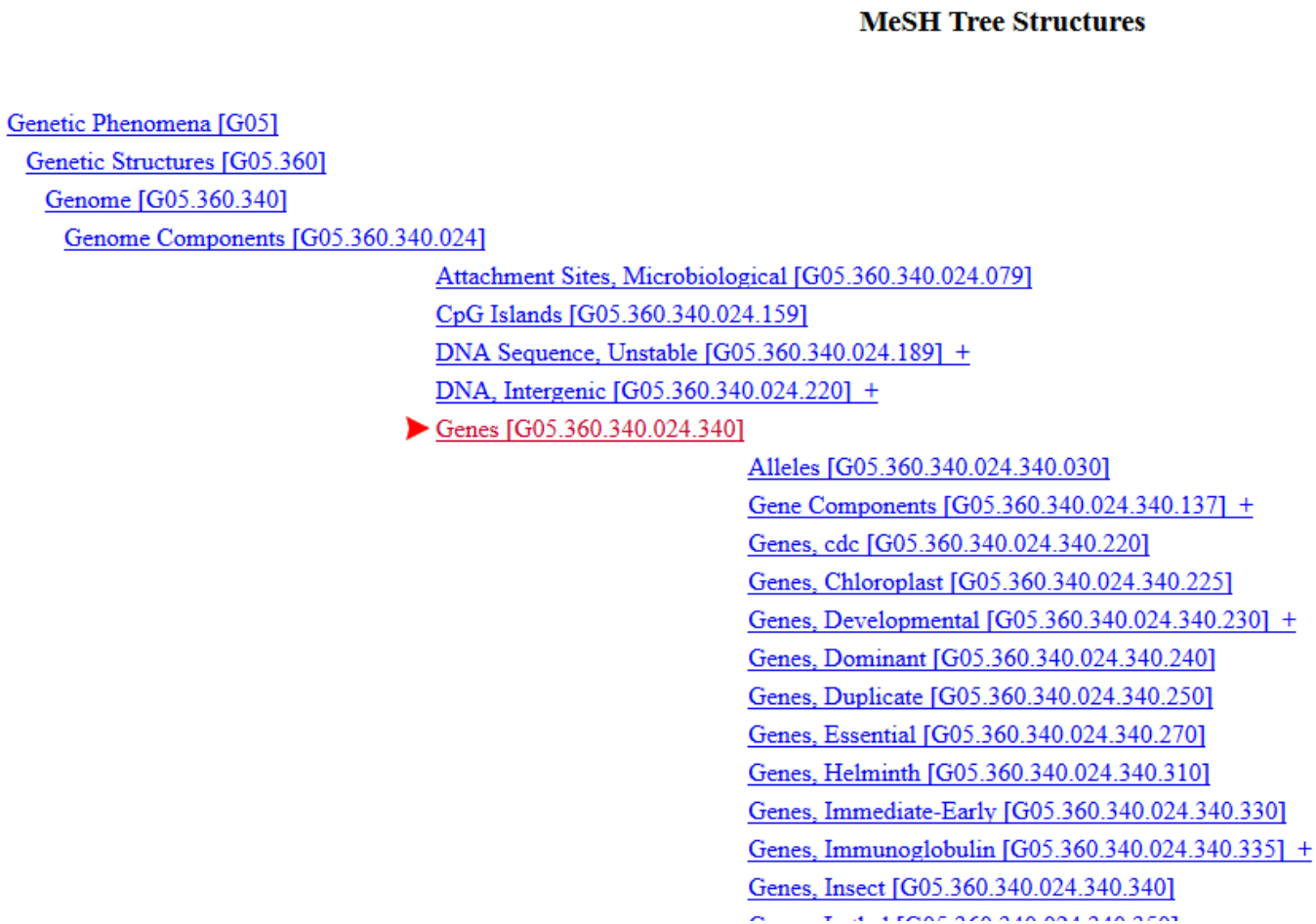
Choose up to five keywords for your paper from this list. You may substitute one keyword of your own choice not on this list.

aesthetics
architectural design
artificial evolution
automotive design
built environment
case based reasoning
case study/studies
collaborative design
environmental impact
epistemology
evaluation
expert systems
facility programming
generic design
graphic design

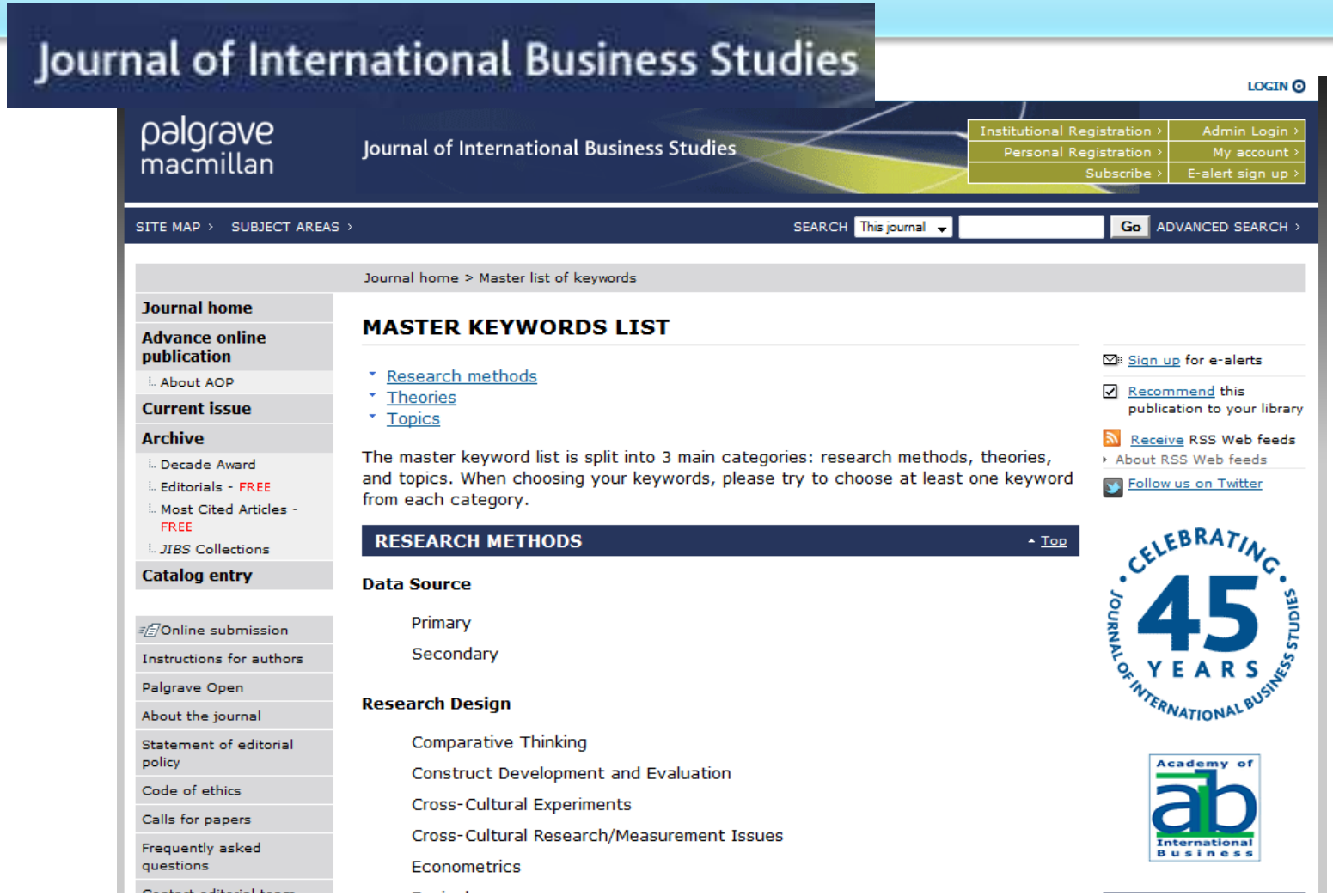
Medical Subject Headings
MeSH

MeSH (Medical Subject Headings)

MeSH Tree Structures for "Genes"



MASTER KEYWORDS LIST



Keywords and Keywords Plus®

Authors sometimes provide a list of keywords or terms that they feel best represent the content of their paper. These keywords are contained in the ISI record (1991 data forward, depending on the database) for each article and are searchable. In addition, ISI generates KeyWords Plus for many articles. KeyWords Plus are words or phrases that frequently appear in the titles of an article's references, but do not necessarily appear in the title of the article itself. KeyWords Plus may be present for articles that have no author keywords, or may include important terms not listed among the title, abstract, or author keywords.

Source: http://wos.isitrial.com/help/helpdefs.html

KeyWords Plus

Hi there! This issue, we are going to explain how **KeyWords Plus** broadens your search. **KeyWords Plus** is the result of our Thomson Reuters editorial expertise in Science.

What our editors do is to review the titles of all references and highlight additional relevant but overlooked keywords that were not listed by the author or publisher. With **KeyWords Plus**, you can now uncover more papers that may not have appeared in your search due to changes in scientific keywords over time.

Thanks and keep your feedback and questions coming!

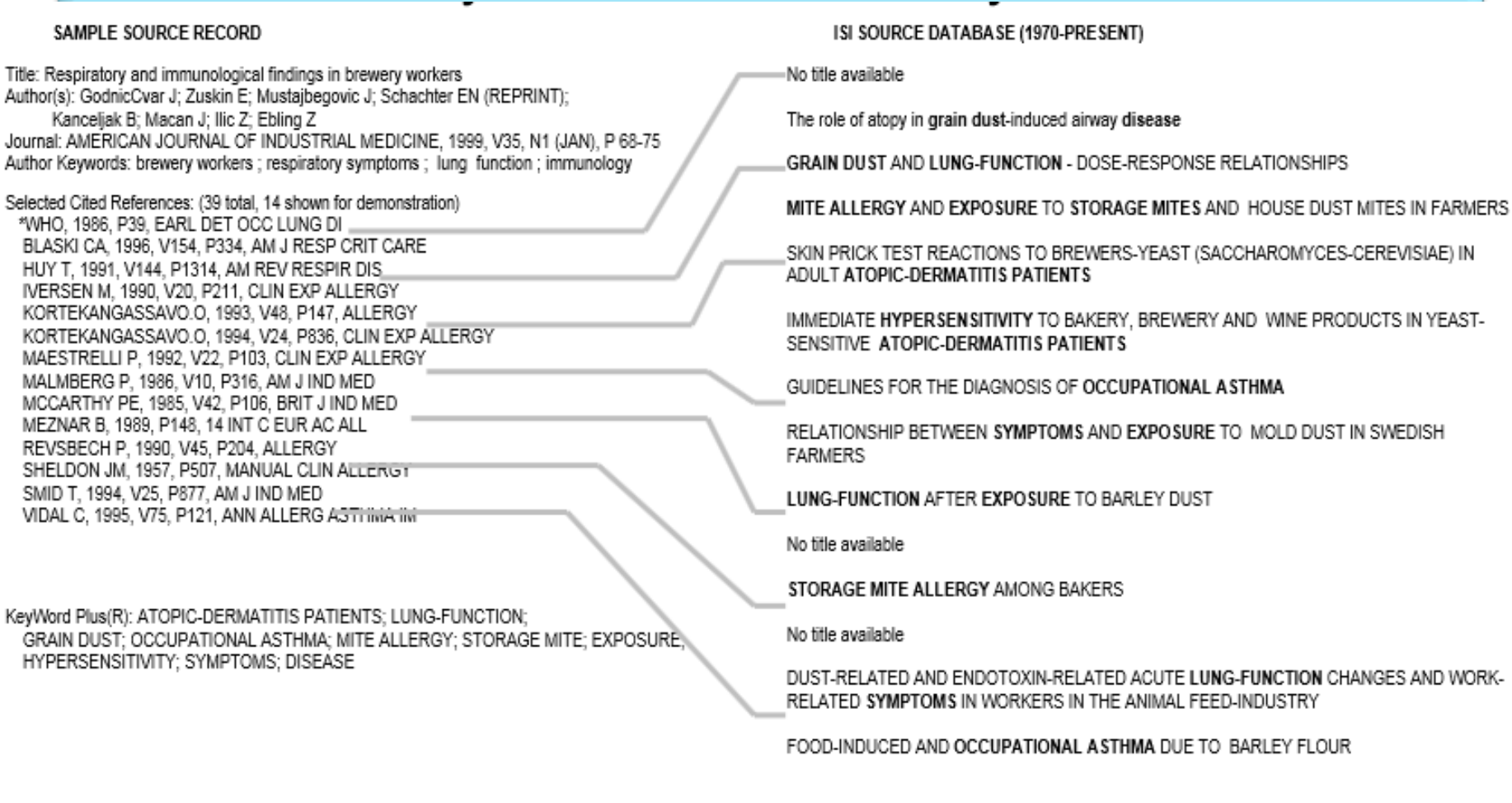
Smiles,

Lim Khee Hiang
Ph.D., Principal Consultant

KeyWords Plus- Example

- New Product Development in Virtual Environment (ISI Indexed)
- Author Keywords: New product Development; Virtual teams; Concurrent Collaboration; Review paper
- KeyWords Plus: DEVELOPMENT TEAMS; PERFORMANCE; TECHNOLOGY; KNOWLEDGE; COMMUNICATION; PERSPECTIVE; INTEGRATION; INNOVATION; NETWORK; WORKING

KeyWords Plus® Creation Cycle



Source: http://www.lib.vt.edu/help/handouts/databases/wos-workbook-8.pd

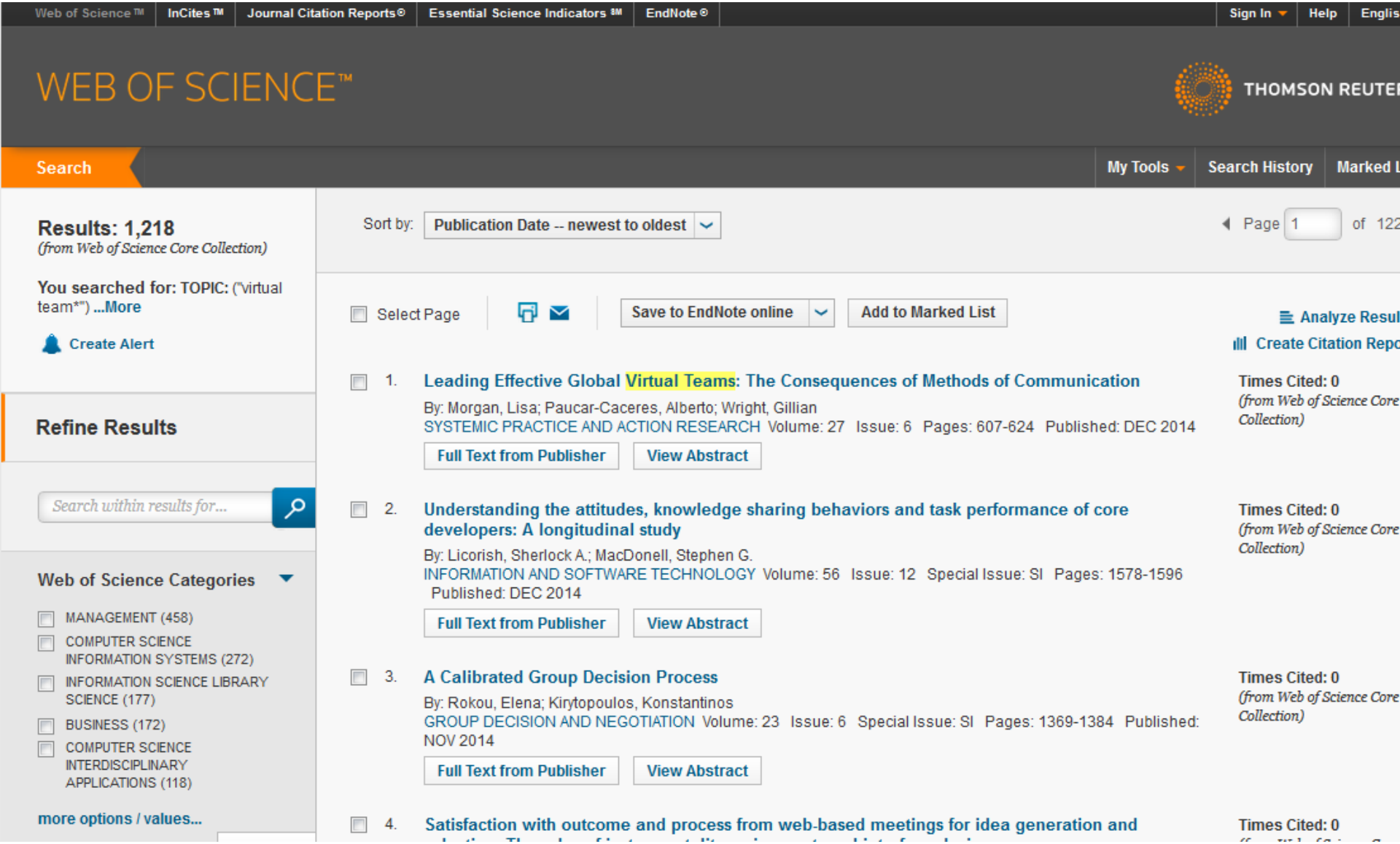
Key Words Selection

TABLE 1: Search phrases used

Field	Search Strings
general/other	brain surgery – neurosurgery – hydrocephalus – peripheral nerve surgery
vascular	aneurysm surgery – arteriovenous malformation* – carotid endarterectomy – cavernous malformation – extracranial intracranial bypass – intracranial aneurysm* – [intracranial or intracerebral] and [hematoma or hemorrhage] – subarachnoid hemorrhage – vasospasm
tumor	brain tumor surgery – meningioma – glioblastoma* – glioma – meningioma – radiosurgery – radiotherapy
trauma	brain injury – coma – head injury – brain damage – spinal injury
functional	deep brain stimulation – epilepsy surgery – Parkinson's surgery – spinal cord stimulation – trigeminal neuralgia – stereotactic – stereotaxic – stereotaxy
spine	spine fusion – spine fixation – spine surgery – spinal surgery – spinal fusion – spinal fixation – [cervical or thoracic or lumbar] and [disc* or disk*]

* The asterisk was included in the search string as a wild card character. For example, the search "disc*" would return results for "disc" or "discs" or "discectomy."

Source: Ponce, F. A., & Lozano, A. M. (2014). Highly cited works in neurosurgery. Part II: the citation classics A review (vol 112, pg 233, 2010). Journal Of Neurosurgery 120(5), 1252-1257. doi: 10.3171/2014.2.JNS14358a


Web of Science ™
InCites ™
Journal Citation Reports ®
Essential Science Indicators ℠
EndNote ®
Sign In
Help
WEB OF SCIENCE™
THOMSON REUTE
Search
My Tools
Search History
Marked L
Results: 1,218
(from Web of Science Core Collection)
You searched for: TOPIC: ("virtual team*") ...More
Create Alert
Refine Results
Search within results for...
Web of Science Categories
MANAGEMENT (458)
COMPUTER SCIENCE INFORMATION SYSTEMS (272)
INFORMATION SCIENCE LIBRARY SCIENCE (177)
BUSINESS (172)
COMPUTER SCIENCE INTERDISCIPLINARY APPLICATIONS (118)
more options / values...
Sort by: Publication Date -- newest to oldest
Page 1 of 122
Select Page
Save to EndNote online
Add to Marked List
Analyze Resul
Create Citation Repo
1. Leading Effective Global Virtual Teams: The Consequences of Methods of Communication
By: Morgan, Lisa; Paucar-Caceres, Alberto; Wright, Gillian
SYSTEMIC PRACTICE AND ACTION RESEARCH Volume: 27 Issue: 6 Pages: 607-624 Published: DEC 2014
Full Text from Publisher
View Abstract
Times Cited: 0
(from Web of Science Core Collection)
2. Understanding the attitudes, knowledge sharing behaviors and task performance of core developers: A longitudinal study
By: Licorish, Sherlock A.; MacDonell, Stephen G.
INFORMATION AND SOFTWARE TECHNOLOGY Volume: 56 Issue: 12 Special Issue: SI Pages: 1578-1596 Published: DEC 2014
Full Text from Publisher
View Abstract
Times Cited: 0
(from Web of Science Core Collection)
3. A Calibrated Group Decision Process
By: Rokou, Elena; Kirytopoulos, Konstantinos
GROUP DECISION AND NEGOTIATION Volume: 23 Issue: 6 Special Issue: SI Pages: 1369-1384 Published: NOV 2014
Full Text from Publisher
View Abstract
Times Cited: 0
(from Web of Science Core Collection)
4. Satisfaction with outcome and process from web-based meetings for idea generation and
Times Cited: 0

Web of Science™ | InCites™ | Journal Citation Reports® | Essential Science Indicators℠ | EndNote® | Sign In | Help

WEB OF SCIENCE™

THOMSON RE

Search | Return to Search Results | My Tools | Search History | Ma

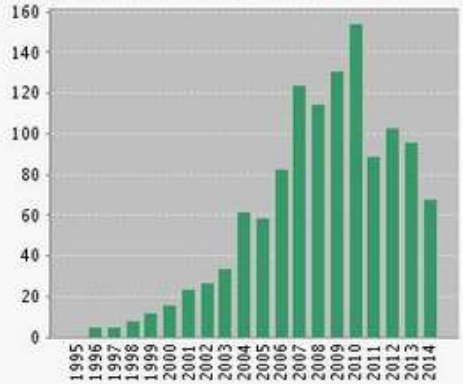
Citation Report: 1218

(from Web of Science Core Collection)

You searched for: TOPIC: ("virtual team*") ...More

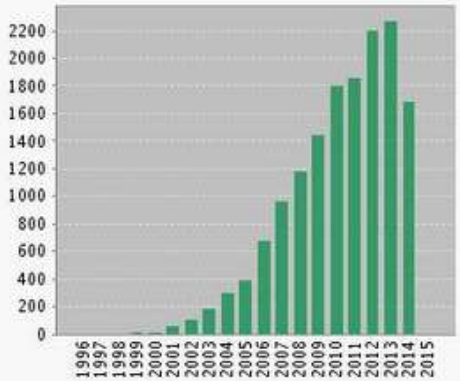
This report reflects citations to source items indexed within Web of Science Core Collection. Perform a Cited Reference Search to include citations to items not indexed within Web of Science Core Collection.

Published Items in Each Year



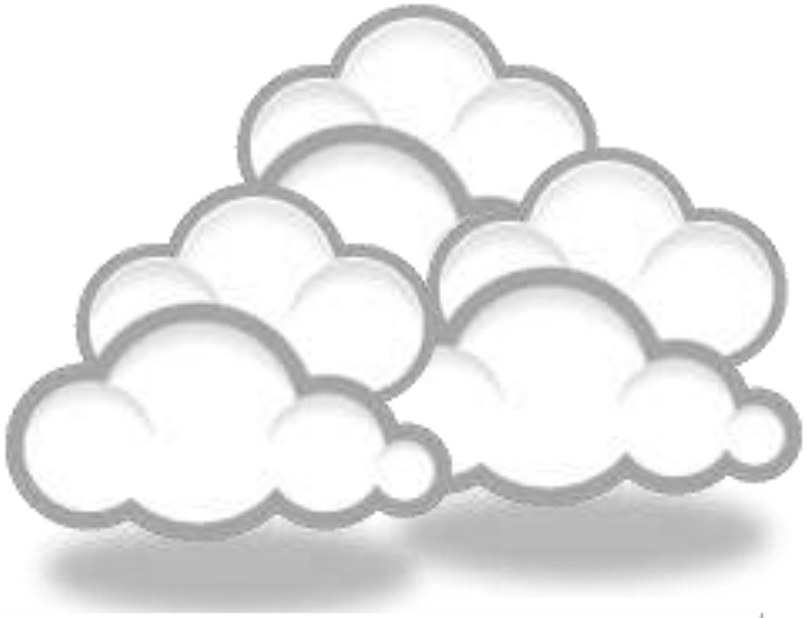
The latest 20 years are displayed.
View a graph with all years.

Citations in Each Year



The latest 20 years are displayed.
View a graph with all years.

Results found:	1218
Sum of the Times Cited [?]:	15217
Sum of Times Cited without self-citations [?]:	10399
Citing Articles [?]:	8040
Citing Articles without self-citations [?]:	7210
Average Citations per Item [?]:	12.49
h-index [?]:	58



Finding proper articles
&
Evaluate a paper/journal quality
&
Effective literature search

Published online 13 October 2010 | Nature | doi:10.1038/news.2010.539
News

To be the best, cite the best

Citation analysis picks out new truth in Newton's aphorism that science 'stands on the shoulders of giants'.

The mass of medium-level research is less important for inspiring influential breakthroughs than the most highly-cited papers, a citation study argues.

Source: Corbyn, Z. (2010). To be the best, cite the best. Nature 539. doi: doi:10.1038/news.2010.539

Research Quality Measures

Three key measures of research impact are:

1. **Quality of the journal** – journal rankings, impact factors
2. **Quality of the publication/article** = times cited as found in tools like Web of Science, Scopus and Google Scholar
3. Personal or departmental measure = ***h*-index**

Source: http://guides.library.vu.edu.au/content.php?pid=251876&sid=2079929

Critically Analyzing Information Sources

1- Initial Appraisal:

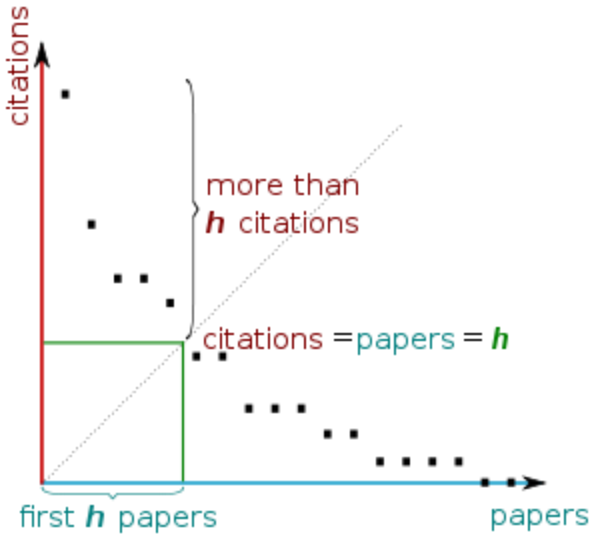
- Author
- Date of Publication
- Edition or Revision
- Publisher
- Title of Journal (Distinguishing Scholarly Journals from other Periodicals)

2- Content Analysis:

- Intended Audience
- Objective Reasoning
- Coverage
- Writing Style
- Evaluative Reviews

h-index (Jorge E. Hirsch)

- *A scientist has index h if h of [his/her] N_p papers have at least h citations each, and the other (N_p − h) papers have at most h citations each.*



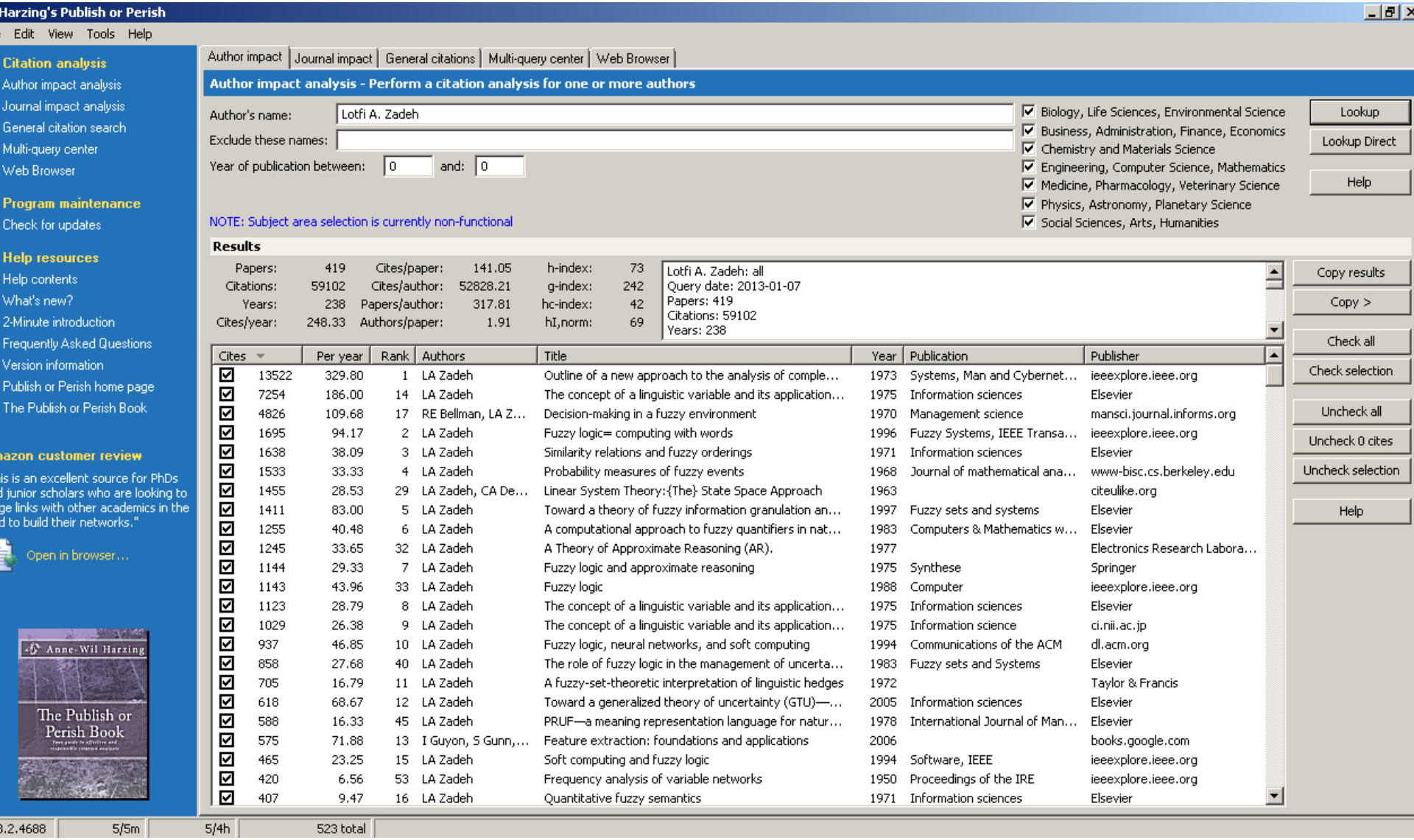
H-index from a plot of decreasing citations for numbered papers

The Many and Variable Uses of Publish or Perish (PoP)- By: Anne-Wil Harzing –" Your guide to effective and responsible citation analysis"

Academics that need to make their case for tenure or promotion will find PoP useful to create reference groups and show their citation record to its best advantage. When **evaluating other academics**, PoP can be used as a 5-minute preparation before meeting someone you don't know, to evaluate editorial board members or prospective PhD supervisors, to write up tributes (or laudations) and eulogies, to decide on publication awards and to pre-pare for a job interview. Deans and other academic administrators will find PoP useful to evaluate tenure or promotion cases in a fair and equitable way.

PoP can help you to do a quick literature review **to identify the most cited articles** and/or scholars in a particular field. It can be used to identify whether any research has been done in a particular area at all (useful for grant applications) or to evaluate the development of the literature in a particular topic over time. Finally, PoP is very well suited for doing bibliometric research on both authors and journals.

PoP can also be used to assist when you are uncertain **which journal to submit** it to. You can use it to get ideas of the types of journals that publish articles on the topic you are writing on and to compare a set of journals in terms of their citation impact. Once you have decided on the target journal, it can also help you to double-check that you haven't missed any prior work from the journal in question.


Harzing's Publish or Perish
Edit View Tools Help
Citation analysis
Author impact analysis
Journal impact analysis
General citation search
Multi-query center
Web Browser
Program maintenance
Check for updates
Help resources
Help contents
What's new?
2-Minute introduction
Frequently Asked Questions
Version information
Publish or Perish home page
The Publish or Perish Book
azon customer review
is is an excellent source for PhDs
junior scholars who are looking to
ge links with other academics in the
to build their networks."
Open in browser...
Anne-Wil Harzing
The Publish or Perish Book
Author impact
Journal impact
General citations
Multi-query center
Web Browser
Author impact analysis - Perform a citation analysis for one or more authors
Author's name:
Lotfi A. Zadeh
Exclude these names:
Year of publication between:
0
and:
0
NOTE: Subject area selection is currently non-functional
Biology, Life Sciences, Environmental Science
Business, Administration, Finance, Economics
Chemistry and Materials Science
Engineering, Computer Science, Mathematics
Medicine, Pharmacology, Veterinary Science
Physics, Astronomy, Planetary Science
Social Sciences, Arts, Humanities
Lookup
Lookup Direct
Help
Results
Papers: 419
Citations: 59102
Years: 238
Cites/year: 248.33
Cites/paper: 141.05
Cites/author: 52828.21
Papers/author: 317.81
Authors/paper: 1.91
h-index: 73
g-index: 242
hc-index: 42
hI,norm: 69
Lotfi A. Zadeh: all
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13522 | 329.80 | 1 | LA Zadeh | Outline of a new approach to the analysis of comple... | 1973 | Systems, Man and Cybernet... | ieeexplore.ieee.org
7254 | 186.00 | 14 | LA Zadeh | The concept of a linguistic variable and its application... | 1975 | Information sciences | Elsevier
4826 | 109.68 | 17 | RE Bellman, LA Z... | Decision-making in a fuzzy environment | 1970 | Management science | mansci.journal.informs.org
1695 | 94.17 | 2 | LA Zadeh | Fuzzy logic= computing with words | 1996 | Fuzzy Systems, IEEE Transa... | ieeexplore.ieee.org
1638 | 38.09 | 3 | LA Zadeh | Similarity relations and fuzzy orderings | 1971 | Information sciences | Elsevier
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1455 | 28.53 | 29 | LA Zadeh, CA De... | Linear System Theory:{The} State Space Approach | 1963 | | citeulike.org
1411 | 83.00 | 5 | LA Zadeh | Toward a theory of fuzzy information granulation an... | 1997 | Fuzzy sets and systems | Elsevier
1255 | 40.48 | 6 | LA Zadeh | A computational approach to fuzzy quantifiers in nat... | 1983 | Computers & Mathematics w... | Elsevier
1245 | 33.65 | 32 | LA Zadeh | A Theory of Approximate Reasoning (AR). | 1977 | | Electronics Research Labora...
1144 | 29.33 | 7 | LA Zadeh | Fuzzy logic and approximate reasoning | 1975 | Synthese | Springer
1143 | 43.96 | 33 | LA Zadeh | Fuzzy logic | 1988 | Computer | ieeexplore.ieee.org
1123 | 28.79 | 8 | LA Zadeh | The concept of a linguistic variable and its application... | 1975 | Information sciences | Elsevier
1029 | 26.38 | 9 | LA Zadeh | The concept of a linguistic variable and its application... | 1975 | Information science | ci.nii.ac.jp
937 | 46.85 | 10 | LA Zadeh | Fuzzy logic, neural networks, and soft computing | 1994 | Communications of the ACM | dl.acm.org
858 | 27.68 | 40 | LA Zadeh | The role of fuzzy logic in the management of uncerta... | 1983 | Fuzzy sets and Systems | Elsevier
705 | 16.79 | 11 | LA Zadeh | A fuzzy-set-theoretic interpretation of linguistic hedges | 1972 | | Taylor & Francis
618 | 68.67 | 12 | LA Zadeh | Toward a generalized theory of uncertainty (GTU)—... | 2005 | Information sciences | Elsevier
588 | 16.33 | 45 | LA Zadeh | PRUF—a meaning representation language for natur... | 1978 | International Journal of Man... | Elsevier
575 | 71.88 | 13 | I Guyon, S Gunn,... | Feature extraction: foundations and applications | 2006 | | books.google.com
465 | 23.25 | 15 | LA Zadeh | Soft computing and fuzzy logic | 1994 | Software, IEEE | ieeexplore.ieee.org
420 | 6.56 | 53 | LA Zadeh | Frequency analysis of variable networks | 1950 | Proceedings of the IRE | ieeexplore.ieee.org
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3.2.4688
5/5m
5/4h
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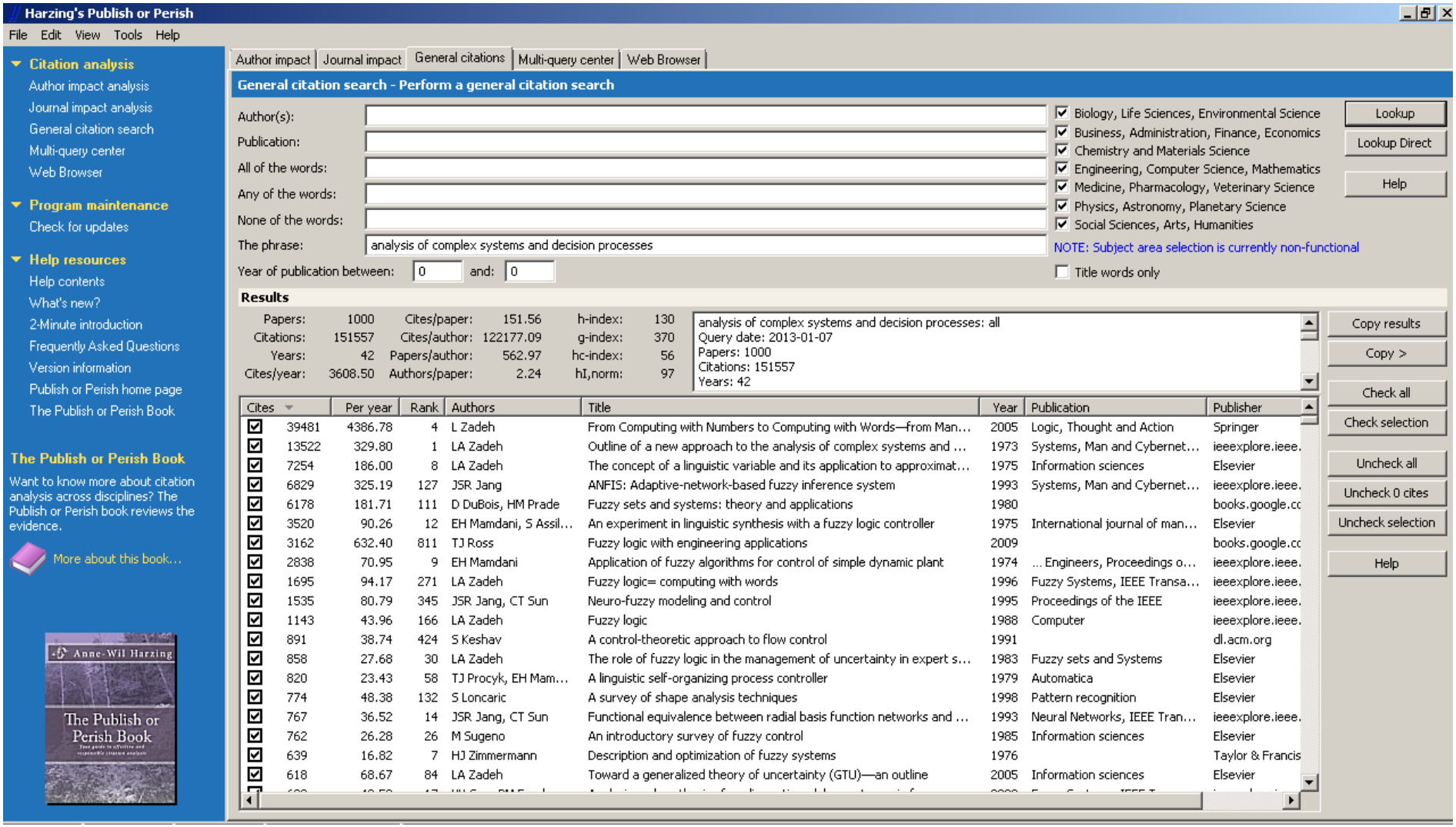
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Author impact analysis
Journal impact analysis
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Multi-query center
Web Browser
Program maintenance
Check for updates
Help resources
Help contents
What's new?
2-Minute introduction
Frequently Asked Questions
Version information
Publish or Perish home page
The Publish or Perish Book
The Publish or Perish Book
Want to know more about citation analysis across disciplines? The Publish or Perish book reviews the evidence.
More about this book...
Anne-Wil Harzing
The Publish or Perish Book
Author impact | Journal impact | General citations | Multi-query center | Web Browser
General citation search - Perform a general citation search
Author(s):
Publication:
All of the words:
Any of the words:
None of the words:
The phrase: analysis of complex systems and decision processes
Year of publication between: 0 and: 0
Biology, Life Sciences, Environmental Science
Business, Administration, Finance, Economics
Chemistry and Materials Science
Engineering, Computer Science, Mathematics
Medicine, Pharmacology, Veterinary Science
Physics, Astronomy, Planetary Science
Social Sciences, Arts, Humanities
NOTE: Subject area selection is currently non-functional
Title words only
Lookup
Lookup Direct
Help
Results
Papers: 1000 Cites/paper: 151.56 h-index: 130
Citations: 151557 Cites/author: 122177.09 g-index: 370
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analysis of complex systems and decision processes: all
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Cites | Per year | Rank | Authors | Title | Year | Publication | Publisher
39481 4386.78 4 L Zadeh From Computing with Numbers to Computing with Words—from Man... 2005 Logic, Thought and Action Springer
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6829 325.19 127 JSR Jang ANFIS: Adaptive-network-based fuzzy inference system 1993 Systems, Man and Cybernet... ieeexplore.ieee.
6178 181.71 111 D DuBois, HM Prade Fuzzy sets and systems: theory and applications 1980 books.google.co
3520 90.26 12 EH Mamdani, S Assil... An experiment in linguistic synthesis with a fuzzy logic controller 1975 International journal of man... Elsevier
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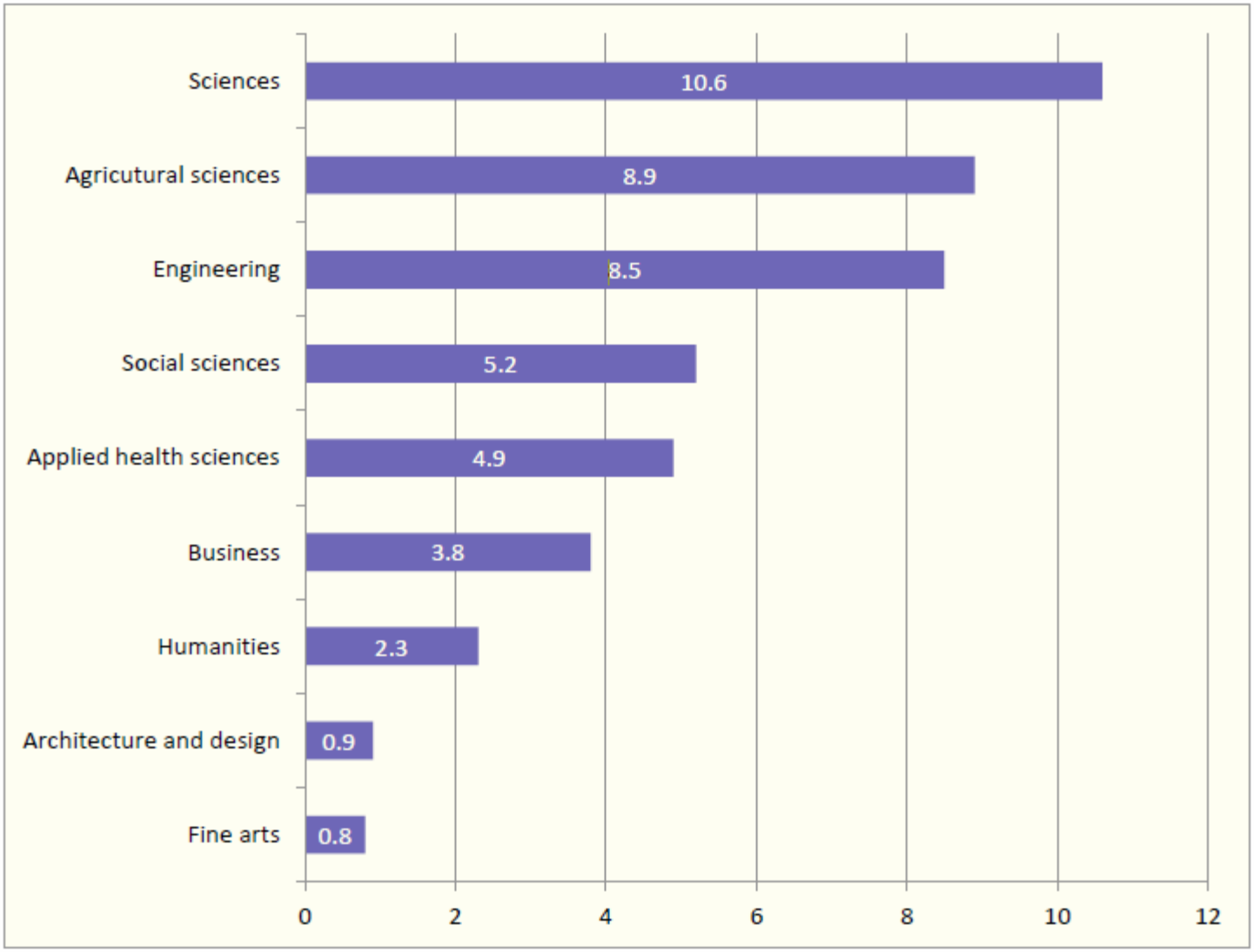
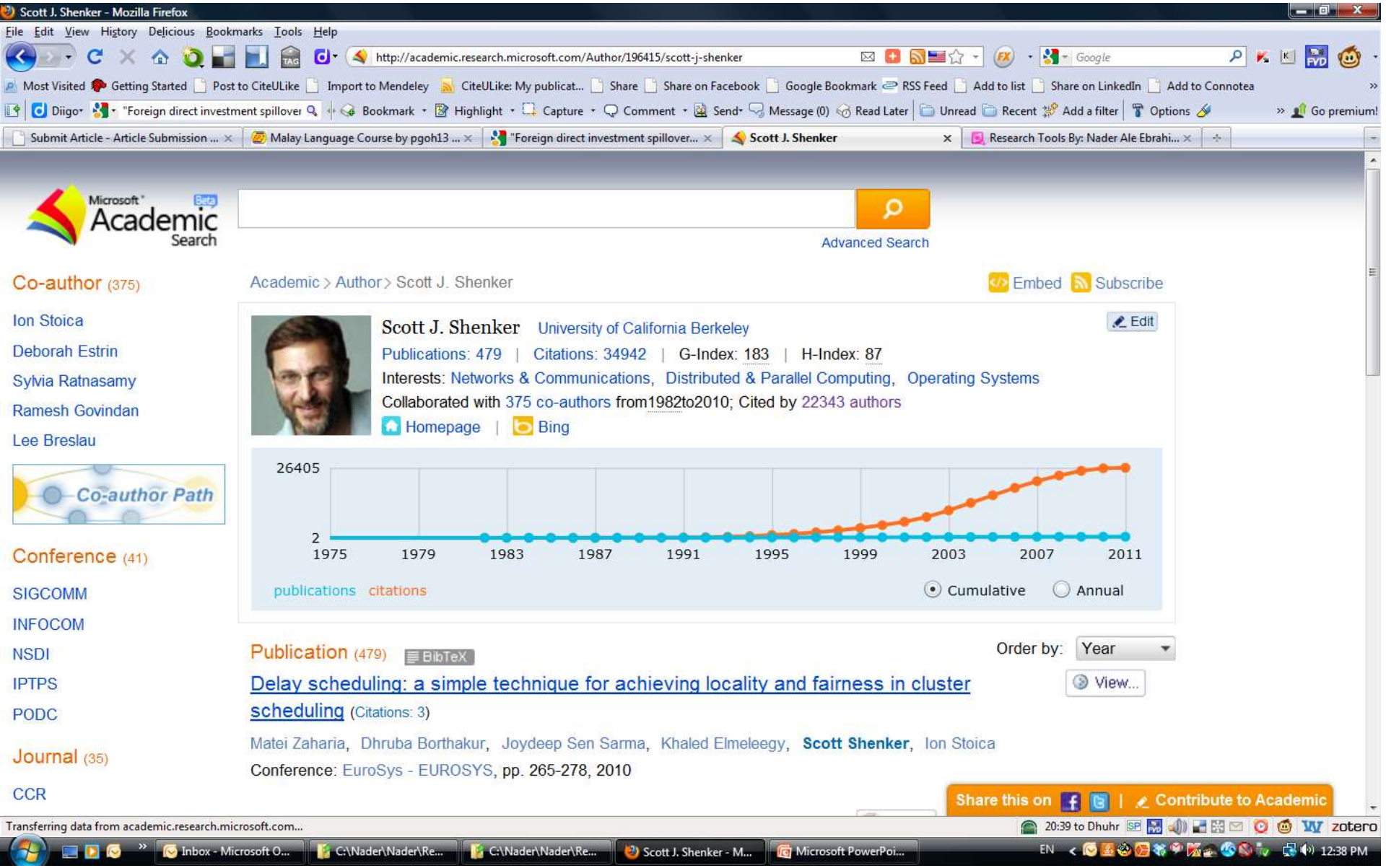
891 38.74 424 S Keshav A control-theoretic approach to flow control 1991 dl.acm.org
858 27.68 30 LA Zadeh The role of fuzzy logic in the management of uncertainty in expert s... 1983 Fuzzy sets and Systems Elsevier
820 23.43 58 TJ Procyk, EH Mam... A linguistic self-organizing process controller 1979 Automatica Elsevier
774 48.38 132 S Loncaric A survey of shape analysis techniques 1998 Pattern recognition Elsevier
767 36.52 14 JSR Jang, CT Sun Functional equivalence between radial basis function networks and ... 1993 Neural Networks, IEEE Tran... ieeexplore.ieee.
762 26.28 26 M Sugeno An introductory survey of fuzzy control 1985 Information sciences Elsevier
639 16.82 7 HJ Zimmermann Description and optimization of fuzzy systems 1976 Taylor & Francis
618 68.67 84 LA Zadeh Toward a generalized theory of uncertainty (GTU)—an outline 2005 Information sciences Elsevier

Figure 1: Mean H-index Scores by Field of Study



Source: Making Research Count: Analyzing Canadian Academic Publishing Cultures


Scott J. Shenker - Mozilla Firefox
http://academic.research.microsoft.com/Author/196415/scott-j-shenker
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Co-author (375)
Ion Stoica
Deborah Estrin
Sylvia Ratnasamy
Ramesh Govindan
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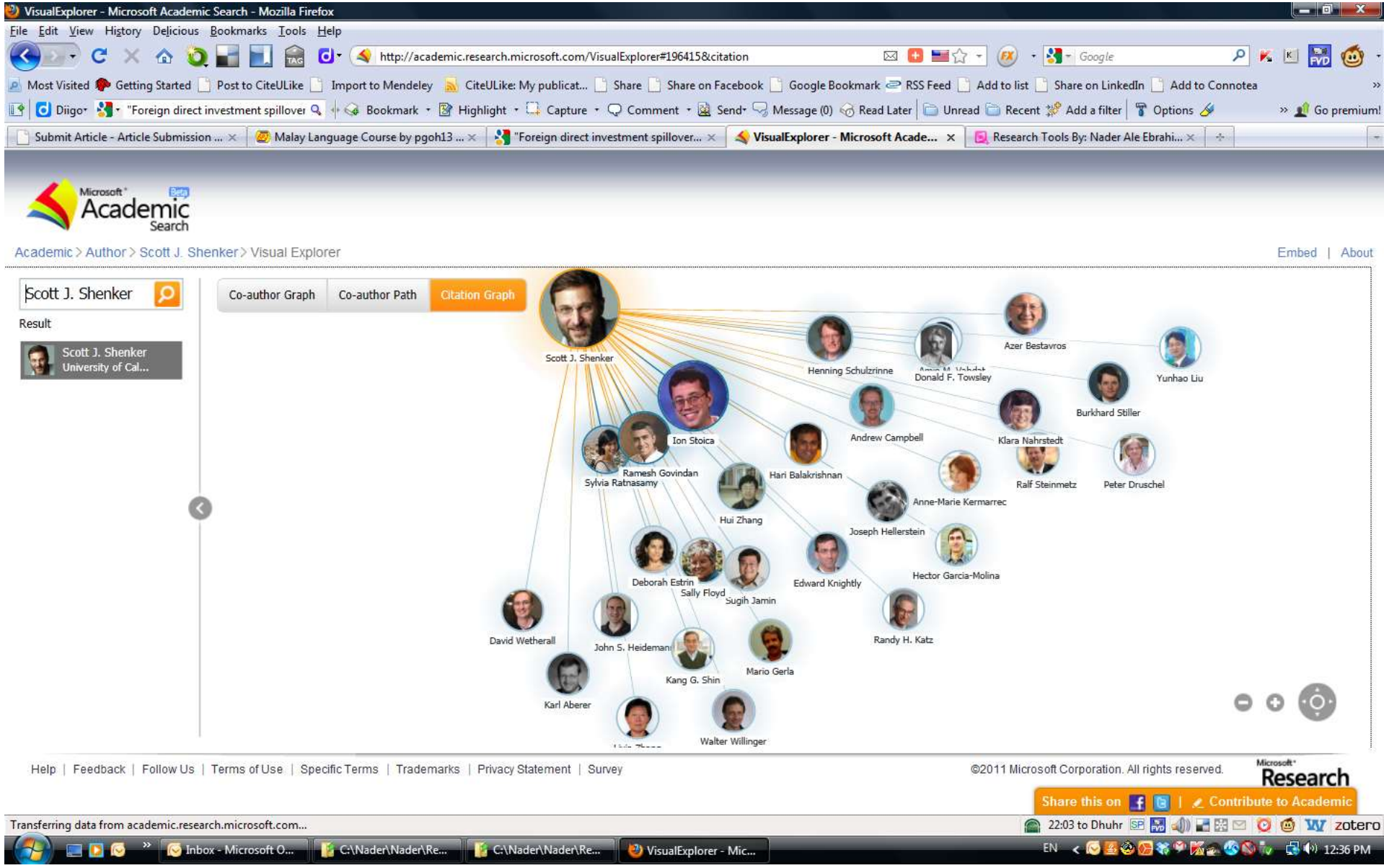
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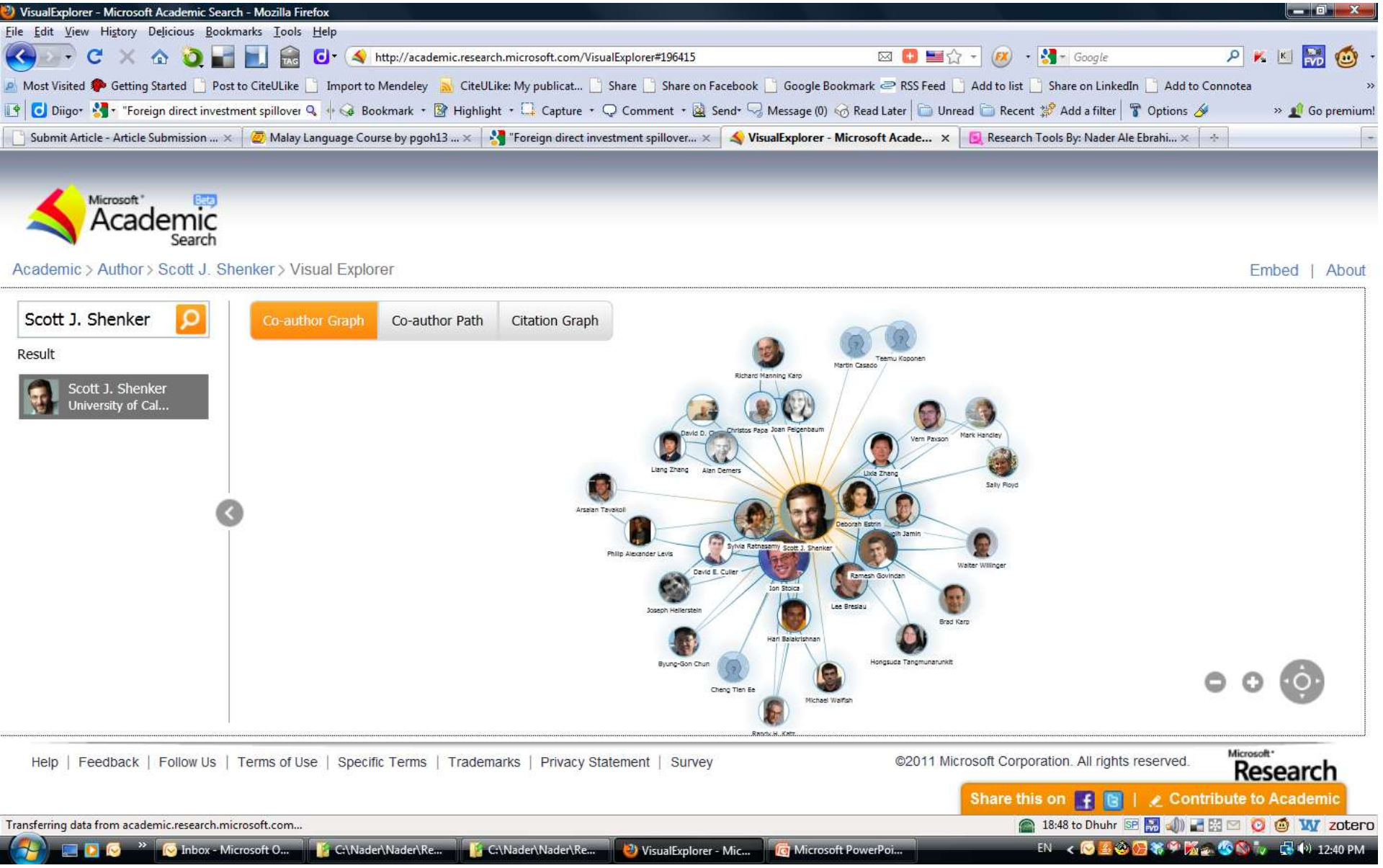
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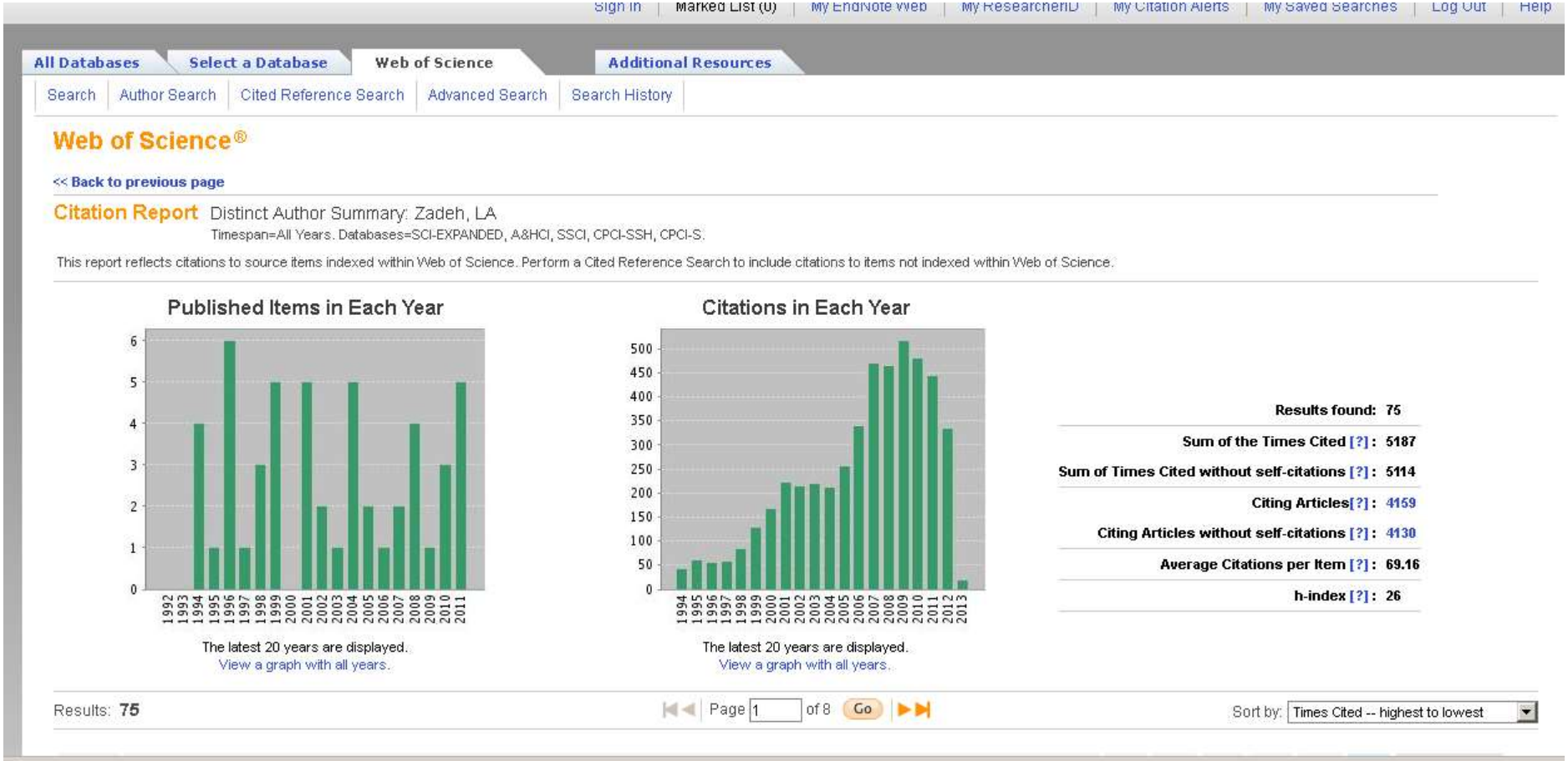
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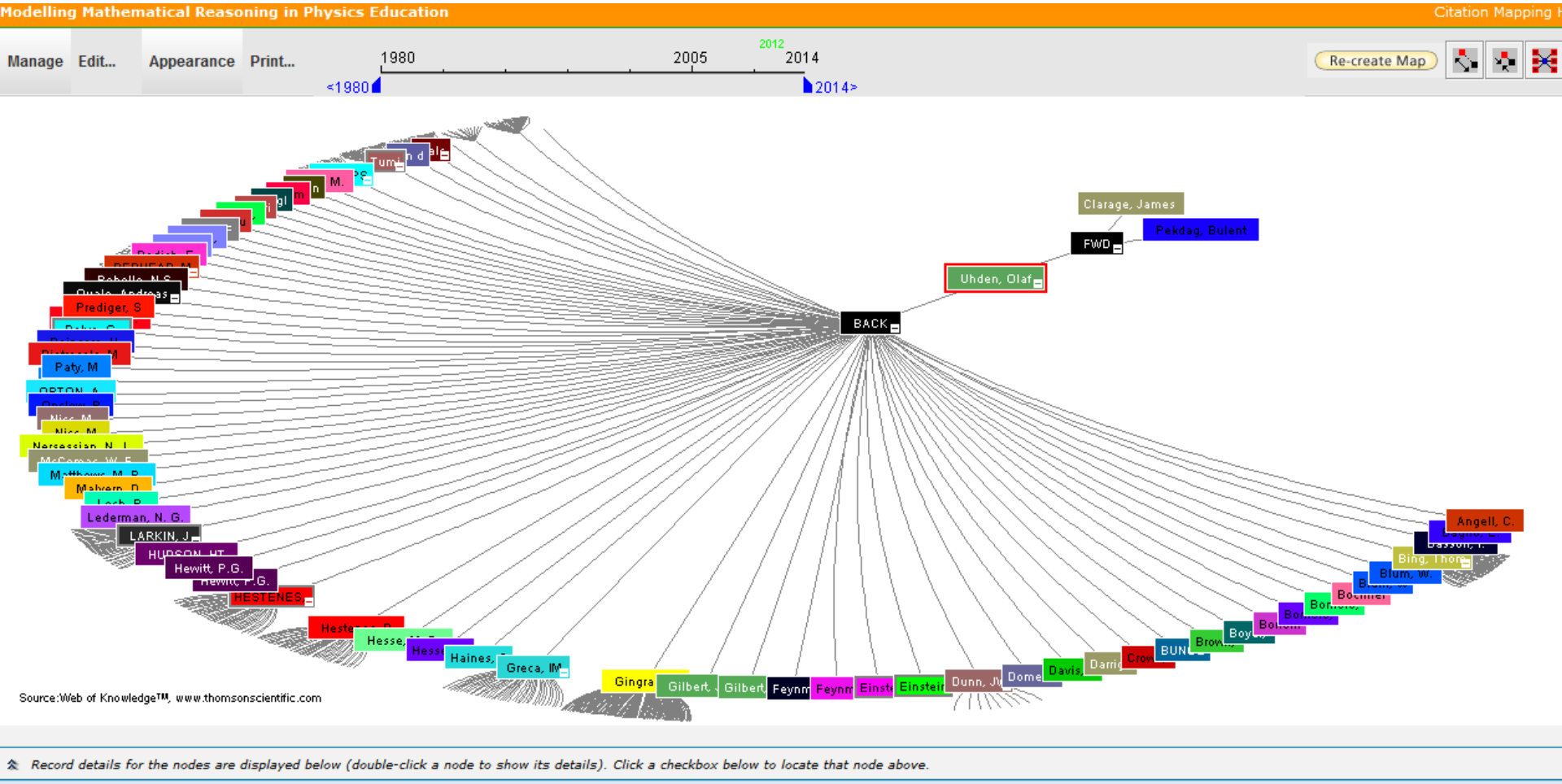
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- Another guide to paper/journal quality is the general reputation of the association, society, or organization publishing the journal.
- Leading professional associations such as American Psychological Association (APA) or the Institute of Electrical and Electronics Engineers (IEEE) publish a range of journals that are highly regarded.

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The Institute for Scientific Information (ISI)

- The **Institute for Scientific Information** (ISI) was founded by Eugene Garfield in 1960. It was acquired by Thomson Scientific & Healthcare in 1992, became known as **Thomson ISI** and now is part of the Healthcare & Science business of the multi-billion dollar Thomson Reuters Corporation.

- ISI offered bibliographic database services. Its speciality: citation indexing and analysis, a field pioneered by Garfield. It maintains citation databases covering thousands of academic journals, including a continuation of its long time print-based indexing service the Science Citation Index (SCI), as well as the Social Sciences Citation Index (SSCI), and the Arts and Humanities Citation Index (AHCI). All of these are available via ISI's Web of Knowledge database service.

Eugene Garfield, Ph.D.

Founder & Chairman Emeritus
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For more Info

Thomson Reuters (formerly ISI) has been the authority on citation data for over 50 years.

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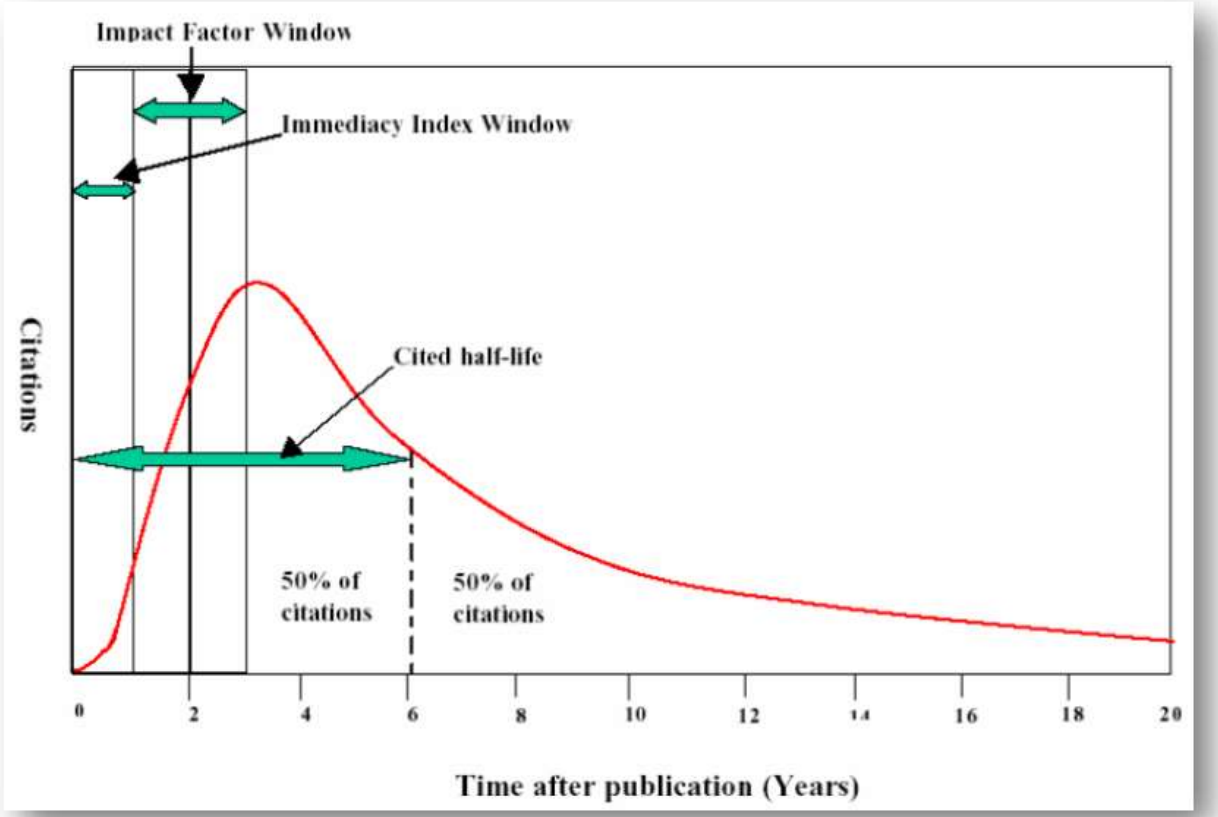
The Institute for Scientific Information (ISI)

- The ISI also publishes annual Journal Citation Reports which list an impact factor for each of the journals that it tracks. Within the scientific community, journal impact factors play a large but controversial role in determining the kudos attached to a scientist's published research record.

Impact Factor

The most commonly used measure of journal quality is Impact Factor. This is a number which attempts to measure the impact of a journal in terms of its influence on the academic community. Impact Factors are published by Thomson-ISI.

Impact Factor and other bibliometric parameters



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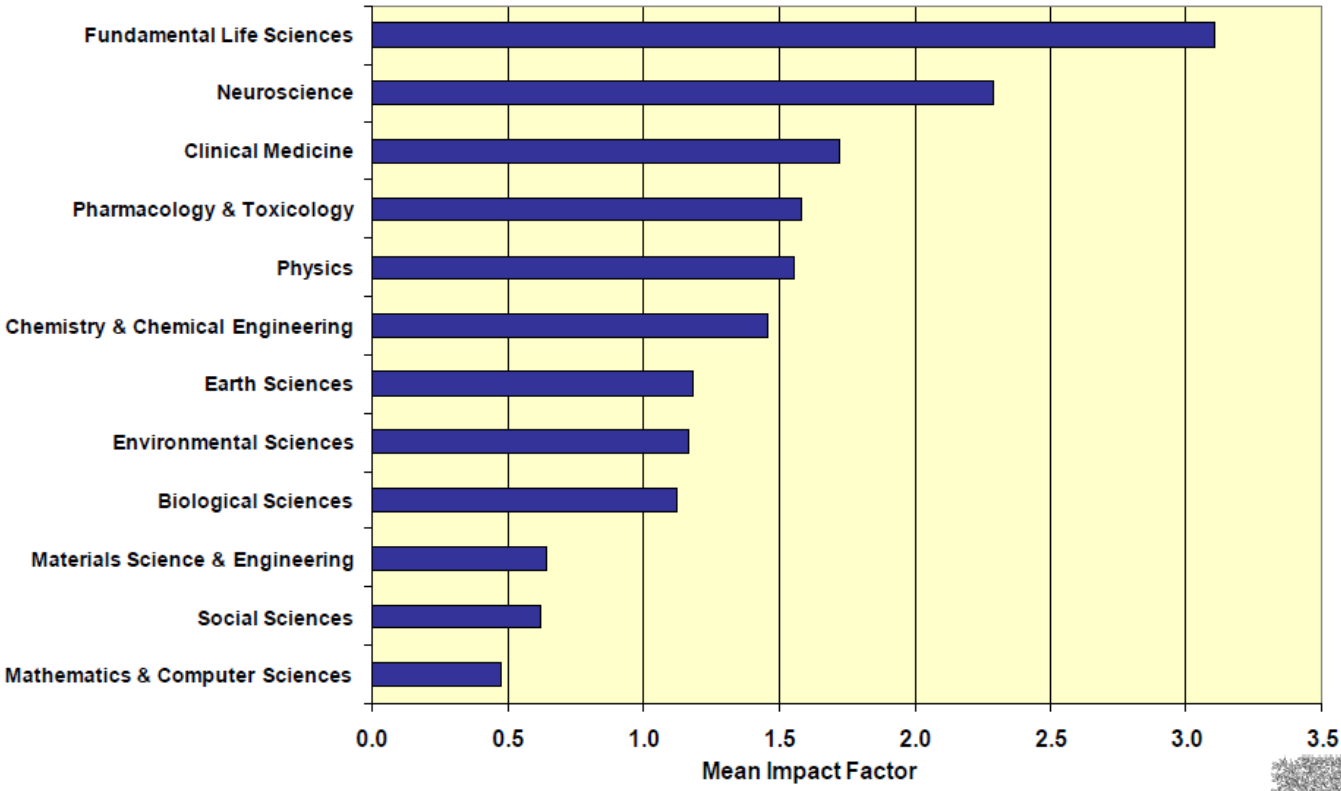
Source: **How to Write Great Papers** ***From title to references From submission to acceptance (2012) By:*** Anthony Newman, Publisher, Elsevier, Amsterdam

Impact Factor-Journal Ranking

- Relative impact factors are often a better guide to the importance of a journal than raw numbers. *JCR* allows you to compare the impact factors of different journals in the same subject area
- The *Economic History Review* has an impact factor of 1.051. At first glance, it would appear that this journal is relatively unimportant. In fact, it is arguably the premier English-language journal in its field (its major competitor, the *Journal of Economic History Review*, has an even lower impact factor: a mere 0.529!). Far more illuminating is the journal's relatively high impact factor compared to other journals in the history of the social sciences. *Economic History Review* ranks first out of 15 journals in the Thomson-ISI's list of journals in this sub-discipline.

Influences on Impact Factors: Subject Area



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What are journal impact factors?

Impact factors are a measure of the "quality" of a journal - they identify the most frequently cited journals in a field.

Impact factors can be used to:

identify journals in which to publish

identify journals relevant to your research

confirm the status of journals in which you have published

The Impact factor formula

The impact factor of a journal is based on the average number of times that articles published in that journal in the two previous years (e.g. 2008 and 2009) were cited in the subsequent year (i.e. 2010). This is calculated using the following formula:

$$= \frac{\text{Cites in 2010 to items published in 2008 and 2009}}{\text{Number of items published in 2008 and 2009}}$$

If an impact factor is lower than 1.0 that means there were more articles published in the journal than there were cites to those articles in any given year.

Source: http://guides.library.vu.edu.au/content.php?pid=251876&sid=2437240

Be aware that...

- Many journals do not have an impact factor (sources other than JCR need to be consulted).
- The impact factor cannot assess the quality of individual articles.
- Only research articles, technical notes and reviews are “citable” items. Editorials, letters, news items and meeting abstracts are “non-citable items”.

Source: http://guides.library.vu.edu.au/content.php?pid=251876&sid=2437240

Journal Metrics

As journal metrics become more and more important for scientists and their institutions, Copernicus Publications decided to present the four most important ones. A short explanation is listed below. For further information please visit the individual websites of Thomson Reuters SCOPUS, and Google Scholar Metrics.

It is important NOT to compare the different journal metrics, as the results stem from different calculations. As a comparison, the 2012 journal metrics for "Nature Geoscience" are listed:

IF 12.367

5-year IF 12.905

SNIP 3.192

SJR 5.493

Source: http://publications.copernicus.org/services/journal_metrics.html

Thomson Reuters Impact Factor

- The annual Journal Citation Report Impact Factor is a ratio between citations and recent citable items published. Thus, the impact factor of a journal is calculated by dividing the number of current year citations by the source items published in that journal during the previous two years.
- The 5-year impact factor is calculated by applying the counted articles to the previous five years.
- Source: Thomson Reuters

SCOPUS SNIP

- The Source Normalized Impact per Paper (SNIP) measures contextual citation impact by weighting citations based on the total number of citations in a subject field. The impact of a single citation is given higher value in subject areas where citations are less likely, and vice versa.
  - Measures contextual citation impact by "normalizing" citation values;
  - Takes a research field's citation frequency into account;
  - Considers immediacy – how quickly a paper is likely to have an impact in a given field;
  - Accounts for how well the field is covered by the underlying database;
  - Calculates without use of a journal's subject classification to avoid delimitation;
  - Counters any potential for editorial manipulation.

Source: SCOPUS

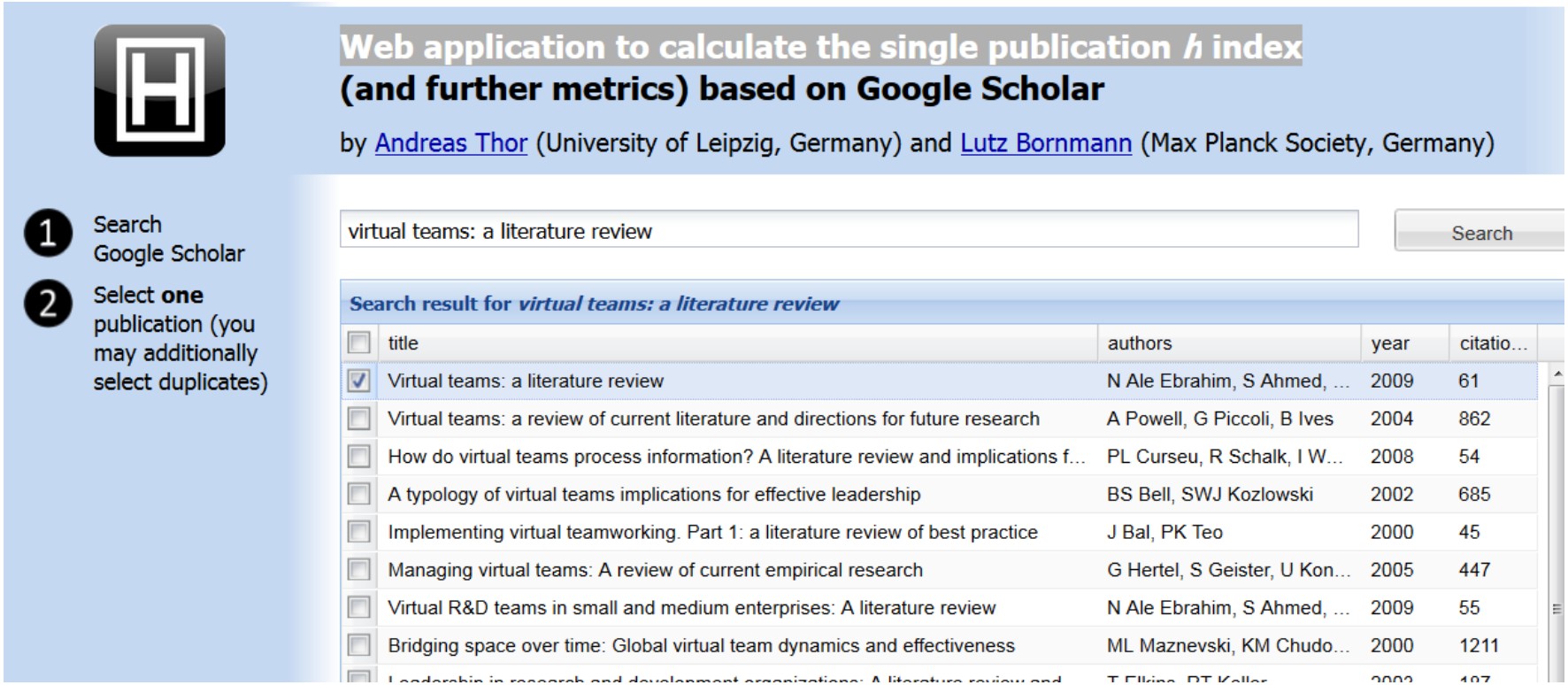
SCOPUS SJR

- The SCImago Journal Rank (SJR) is a prestige metric based on the idea that "all citations are not created equal". With SJR, the subject field, quality and reputation of the journal has a direct effect on the value of a citation.
  - Is weighted by the prestige of the journal, thereby "leveling the playing field" among journals;
  - Eliminates manipulation: raise the SJR ranking by being published in more reputable journals;
  - "Shares" a journal's prestige equally over the total number of citations in that journal;
  - Normalizes for differences in citation behavior between subject fields.
- Source: SCOPUS

Google Scholar Metrics

- The h-index of a publication is the largest number h such that at least h articles in that publication were cited at least h times each. For example, a publication with five articles cited by, respectively, 17, 9, 6, 3, and 2, has the h-index of 3.
- The h5-index of a publication is, respectively, the h-index, of only those of its articles that were published in the last five complete calendar years.
- Source: Google Scholar

Web application to calculate the single publication h index



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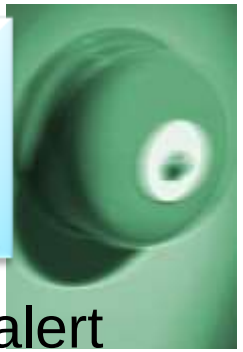
Keeping up-to-date (Alert system)
&
Indexing desktop search tools

Keeping up-to-date

Alert services are an effective means of keeping track of the latest research.

What is an alert service?



- Many journal databases and book publishers offer free alert services. These are an effective means of keeping track of the latest research.
- Alert services come in different forms. The most common include:
  - a search alert. This is a saved search which alerts you when a book or article that matches your search terms is published.
  - a TOC (Table of Contents) alert. Such an alert notifies you when a new issue of a journal is published, and provides you with the issue's table of contents.
  - a citation alert. This advises you when a new article cites a particular work.
  - Most alert services are email-based. An increasing number are now offered as an RSS feed. If you are just beginning, you might like to try email alerts first. These are generally easier to create.

Why subscribe to an alert service?

There is often a time delay between the point when a new article is published in a journal and it is indexed by one of the database services. Alert services will automatically keep you informed of new journal issues and articles on your topic or research interest when **new relevant material is made available.** Many of the large online research databases provide an automated alerting service.

Before using any current awareness services you should review the literature to establish a clear awareness of the topic that you would like to be kept up-to-date with on a regular basis. In this way you will increase the relevancy of the alerts you receive to your area of research. You can receive automated updates of newly published journal articles via email alert or via RSS Feed. Source: http://www.library.nuigalway.ie/support/supportforresearchers/literaturereview/keepingup-to-date/

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stances and offers related research propositions. The paper also discusses the role of the Internet in new product performance. Finally, the paper concludes with managerial and research implications.

1. New product development process and the role of the Internet

Past research has consistently shown that a high-quality new product development process is one of the most critical success factors in new product development [8,10–12]. As a result, it has offered numerous processes that firms can use when developing their new products. Cooper [13] defines a new product development process as a formal blueprint, roadmap, template or thought process for driving a new product project from the idea to market launch and beyond. The process involves predetermined set of stages and each stage consists of a set of prescribed, cross-functional and parallel activities. Each stage is preceded by a gate, controlling the flow of the process and providing a decision checkpoint in the process. Because of the stages and the with the first and second-generation processes, the third-generation process emphasizes efficiency and effectiveness in the new product development process through four fundamental areas. First, it is fluid, which means that there are overlaps in stages for greater speed. Second, it involves fuzzy gates, reducing the rigidity of criteria used in the gates and allowing conditional or situational considerations of the activities. Third, it is more focused in terms of prioritizing projects. Finally, it is flexible, suggesting that each new product is unique and has its own unique development process [13].

There are also compelling issues that indicate that new product development process may not be uniform across firms and products. Takeuchi and Nanoka [14] argue that today's rapidly changing and competitive market conditions require firms to adopt a flexible and fast new product development process and that a holistic "rugby" style new product development might be needed to respond to the conditions. With this approach, new product teams move through all phases of the development together, passing the ball back and forth as they develop new products. Based on a case study, the authors concluded that it is possible to

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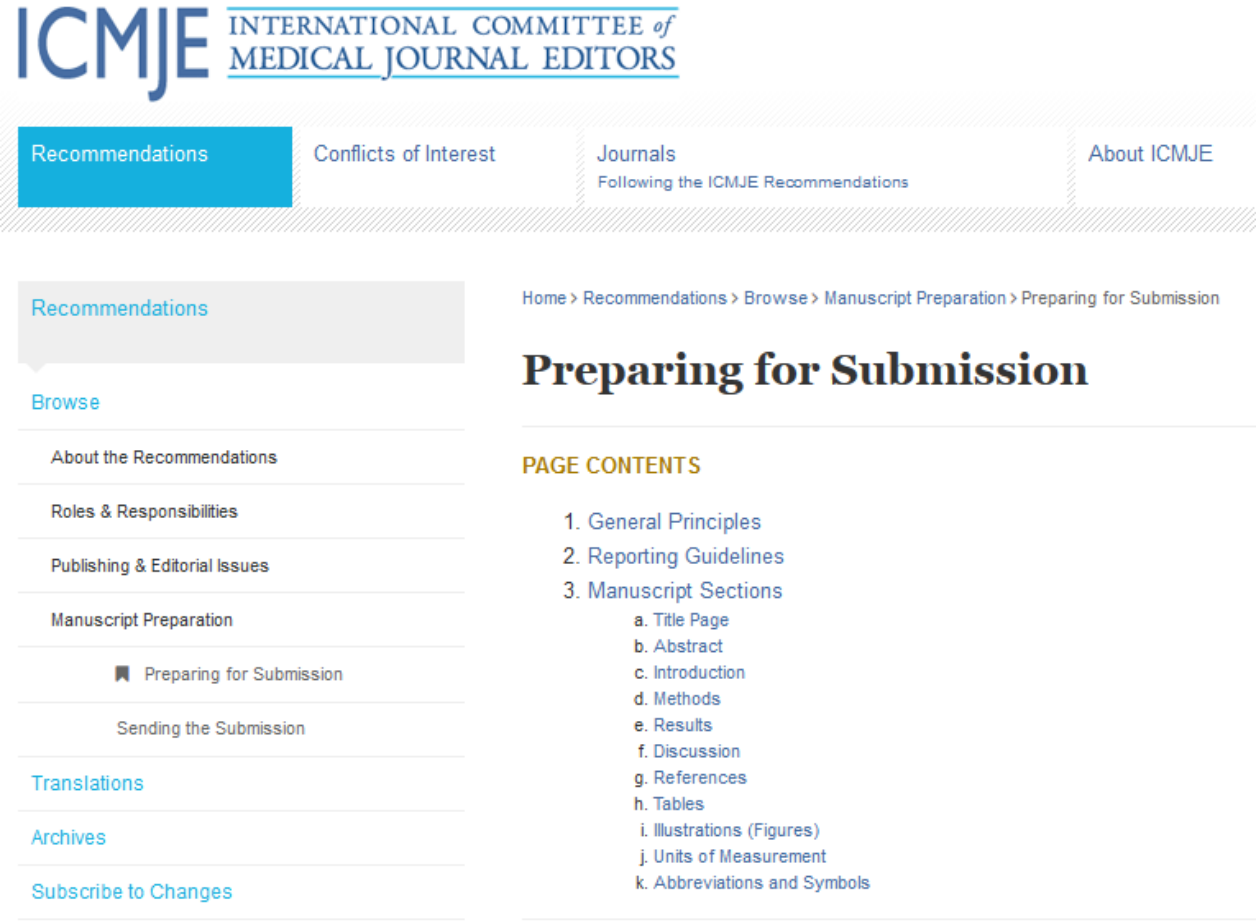

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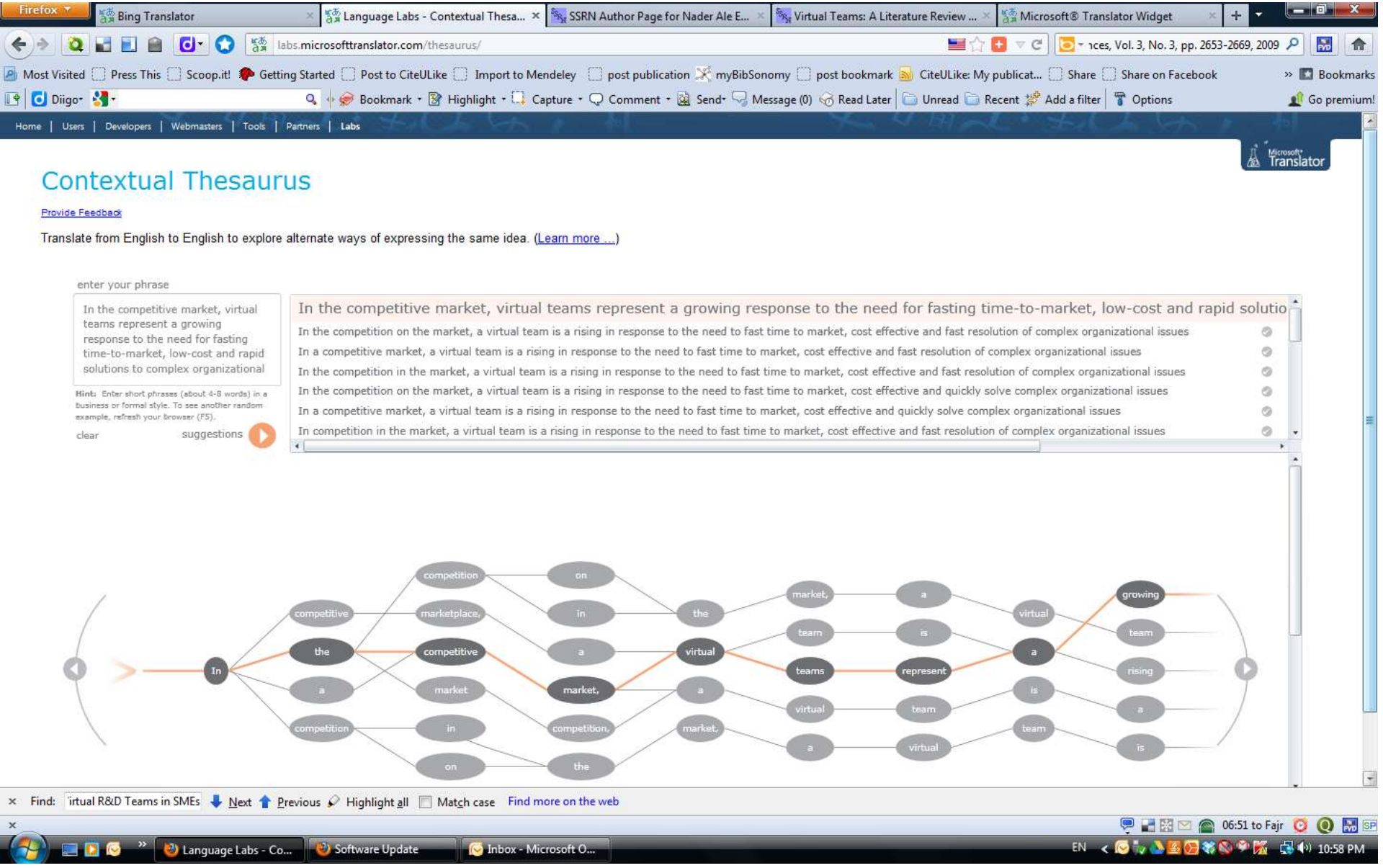
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suggestions
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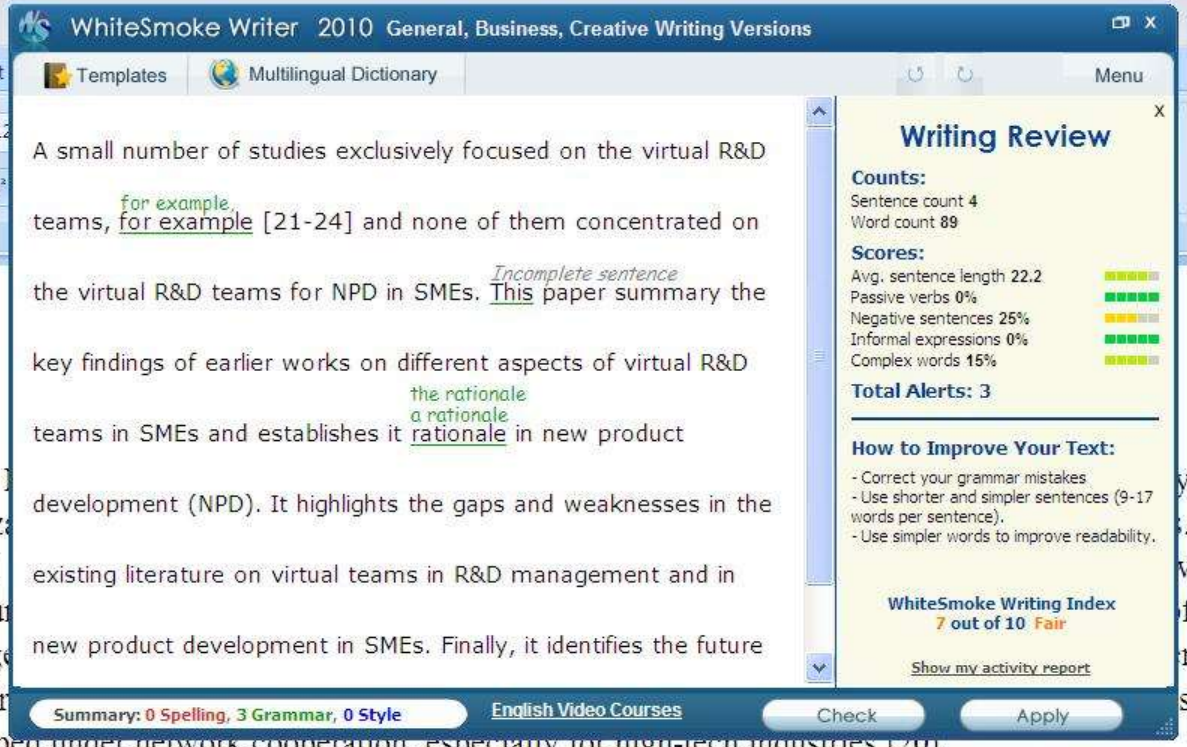

developed under network cooperation, especially for high-tech industries [20].

A small number of studies exclusively focused on the virtual R&D teams, for example [21-24] and none of them concentrated on the virtual R&D teams for NPD in SMEs. This paper summary the key findings of earlier works on different aspects of virtual R&D teams in SMEs and establishes it rationale in new product development (NPD). It highlights the gaps and weaknesses in the existing literature on virtual teams in R&D management and in new product development in SMEs. Finally, it identifies the future research directions in the area of concern.

2-Review search methodology

Collaborative R&D activities involving SMEs has wide coverage. It applies to various activities ranging from information exchange to new products development. This review article is based on dependable and reputed publications. It mainly covers aspects like SMEs characteristics, scope of virtual R&D teams and their relationship in new product development (NPD). The articles are

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We report the relevant result of an online survey study.

Abstract—In this paper, we present our more than two years research experiences on virtual R&D teams in small and medium-sized enterprises (SMEs) and draws conclusions, giving special attention to the structure of virtual teams required to support education-industry collaboration. We reports the relevant result of an online survey study. The online questionnaire was emailed by using the simple random sampling method to 947 manufacturing SMEs. The findings of this study show that SMEs in Malaysia and Iran are willing to use virtual teams for collaboration and the platform for industry-education collaboration is ready and distance between team members or differences in time zones, are not barriers to industry-education collaborations.

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- only hand in your own and original work.
- indicate precisely and accurately when you have used information provided by someone else, i.e. referencing must be done in accordance with a recognised system.
- indicate whether you have downloaded information from the Internet.
- never use someone else's electronic storage media, artwork, pictures or graphics as if it were your own.
- never copy directly without crediting the source
- do not translate without crediting the source
- do not paraphrase someone else's work without crediting the source
- do not piece together sections of the work of others into a new whole
- do not resubmit your own or other's previously graded work
- do not commit collusion (unauthorised collaboration, presenting work as one's own independent work, when it has been produced in whole or in part in collusion with other people)
- ghost-writing – you should not make use of ghost writers or professional agencies in the production of your work or submit material which has been written on your behalf

10 Major source of plagiarism

1. **Replication:** Submitting a paper to multiple publications in an attempt to get it published more than once
2. **Duplication:** Re-using work from one's own previous studies and papers without attribution
3. **Secondary Source:** Using a secondary source, but only citing the primary sources contained within the secondary one
4. **Misleading Attribution**: Removing an author's name, despite significant contributions; an inaccurate or insufficient list of authors who contributed to a manuscript
5. **Invalid Source:** Referencing either an incorrect or nonexistent source
6. **Paraphrasing:** Taking the words of another and using them alongside original text without attribution
7. **Repetitive Research:** Repeating data or text from a similar study with a similar methodology in a new study without proper attribution
8. **Unethical Collaboration:** Accidentally or intentionally use each other's written work without proper attribution; when people who are working together violate a code of conduct
9. **Verbatim**: copying of another's words and works without providing proper attribution, indentation or quotation marks
10. **Complete:** Taking a manuscript from another researcher and resubmitting it under one's own name

Source: .iThenticate (2013) SURVEY SUMMARY | Research Ethics: Decoding Plagiarism and Attribution in Research

High similarity rate

Dear Dr ……..,

Thanks for your effective work. We also finish the Cross Checking work here. We found four papers (your Nos. 1, 2, 3 and 4) could not arrive our standards, e.g. the similarity rate is very high, which means these papers have duplicated or salami-slicing, self-plagiarism problem. We can't accept these. When you see the attached reports, you will understand us here.

……..

…….

Thanks.

Best wishes,

?????

( ) Similarity index (checked by iThenticate) is high, please revise to keep a Similarity Index ⩽30% and single source matches are not >6%.

Corrections

Retraction: Retraction notice

Posted by **PLoS_ONE_Group** on 05 Sep 2013 at 16:33 GMT

0 **Responses** · **Most Recent** 05 Sep 2013 at 16:33 GMT

Retraction: Retraction notice

It has been brought to the attention of the PLOS ONE editors that substantial parts of the text in this article were appropriated from text in the following publications:

Identification and biochemical characterization of small-molecule inhibitors of Clostridium botulinum neurotoxin serotype A.
Roxas-Duncan V, Enyedy I, Montgomery VA, Eccard VS, Carrington MA, Lai H, Gul N, Yang DC, Smith LA.
Antimicrob Agents Chemother. 2009 Aug;53(8):3478-86

Eubanks LM, Hixon MS, Jin W, Hong S, Clancy CM, et al. (2007) An in vitro and in vivo disconnect uncovered through high-throughput identification of botulinum neurotoxin A antagonists. Proc Natl Acad Sci USA104: 2602–2607.

PLOS ONE therefore retracts this article due to the identified case of plagiarism. PLOS ONE apologizes to the authors of the publications above and to the readers. (comment on this retraction)

Penalty for Plagiarism

Retraction: Retraction notice

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Clinics
Hospital das Clinicas da Faculdade de Medicina da Universidade de Sao Paulo

THIS ARTICLE HAS BEEN RETRACTED. See Clinics (Sao Paulo). 2013 October; 68(10): 1382.

An overview of recently published medical papers in Brazilian scientific journals

Mauricio Rocha e Silva and Ariane Gomes

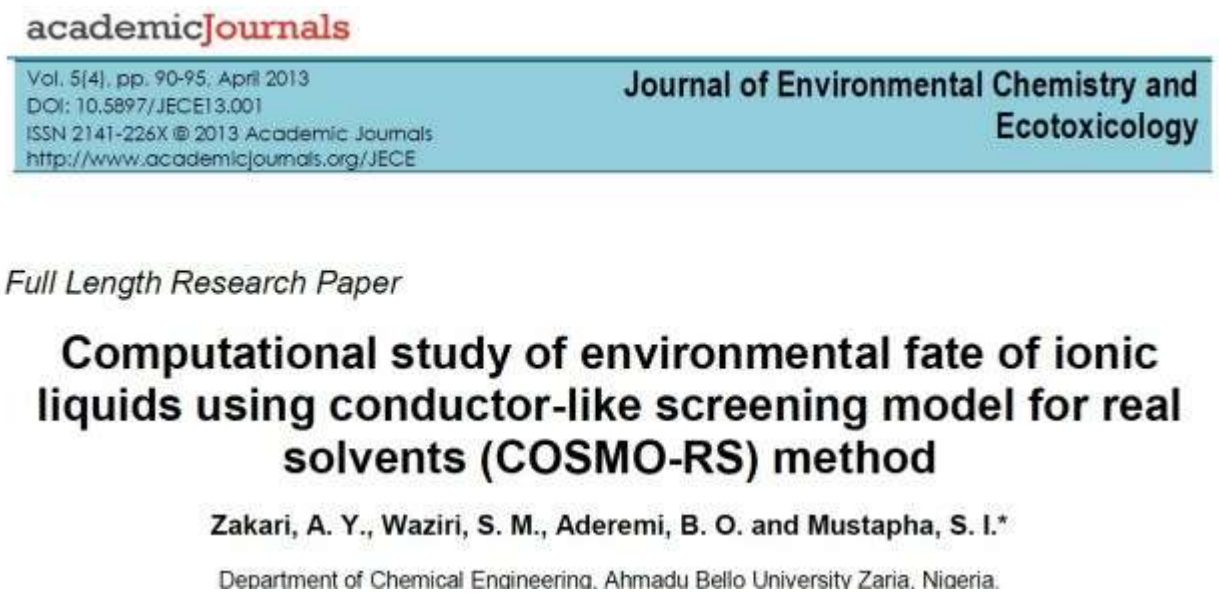
Additional article information

Abstract

Penalty for Plagiarism

Outside of academia the problem of plagiarism continues to generate headlines and scandals for politicians. In Germany, two prominent cabinet members have been forced to step down due to allegations of plagiarism in their doctoral dissertations. Meanwhile, in Canada, the head of the nation's largest school district was forced to resign in the face of plagiarism allegations, and plagiarism scandals have also embroiled a senator in the Philippines, the prime minister of Romania, and several members of the Russian Duma.

Source: J. Bailey. "Defending Against Plagiarism, Publishers need to be proactive about detecting and deterring copied text.," 26 November; http://www.the-scientist.com/?articles.view/articleNo/35677/title/Defending-Against-Plagiarism/.



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DOI: 10.5897/JECE13.001
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Journal of Environmental Chemistry and Ecotoxicology

Full Length Research Paper

Computational study of environmental fate of ionic liquids using conductor-like screening model for real solvents (COSMO-RS) method

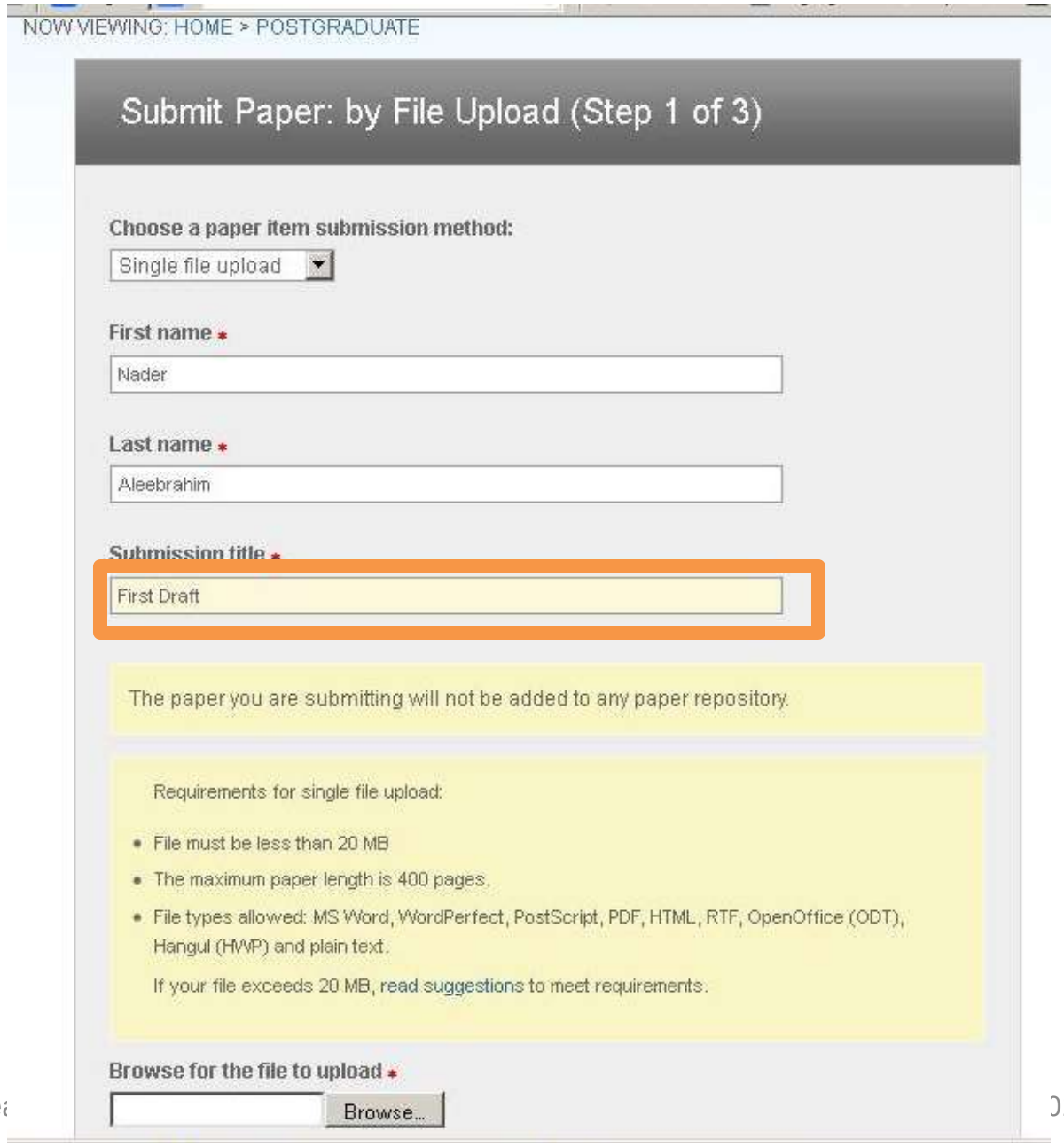
Zakari, A. Y., Waziri, S. M., Aderemi, B. O. and Mustapha, S. I.*

Department of Chemical Engineering, Ahmadu Bello University Zaria, Nigeria.

The COSMO-RS method is an advanced method for the quantitative calculation of solvation mixture thermodynamics based on quantum chemistry. It was developed by Andreas Klamt and is distributed as the software COSMOtherm by his company COSMOlogic (as well as in the form of several remakes by others).

Some Nigerian researchers have used the software (without a license) and report a tremendously and completely unbelievably good correlation (r^2=0.992) between the predicted results and experimental data for the logKow (octanol water partition coefficient) of ionic liquids.

Source : http://scholarlyoa.com/2013/10/24/more-bad-science-in-predatory-oa-journals/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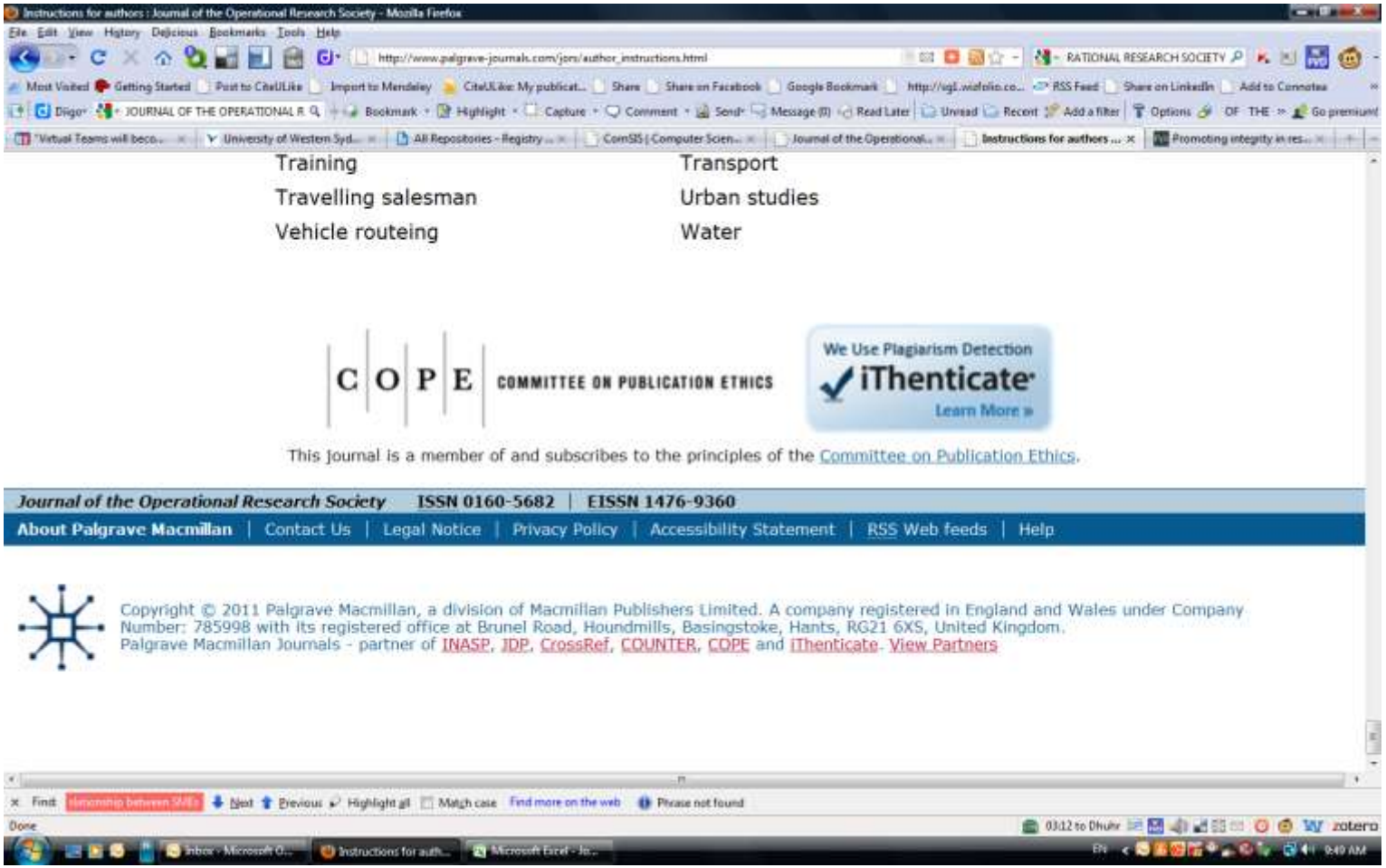
We use plagiarism Detection

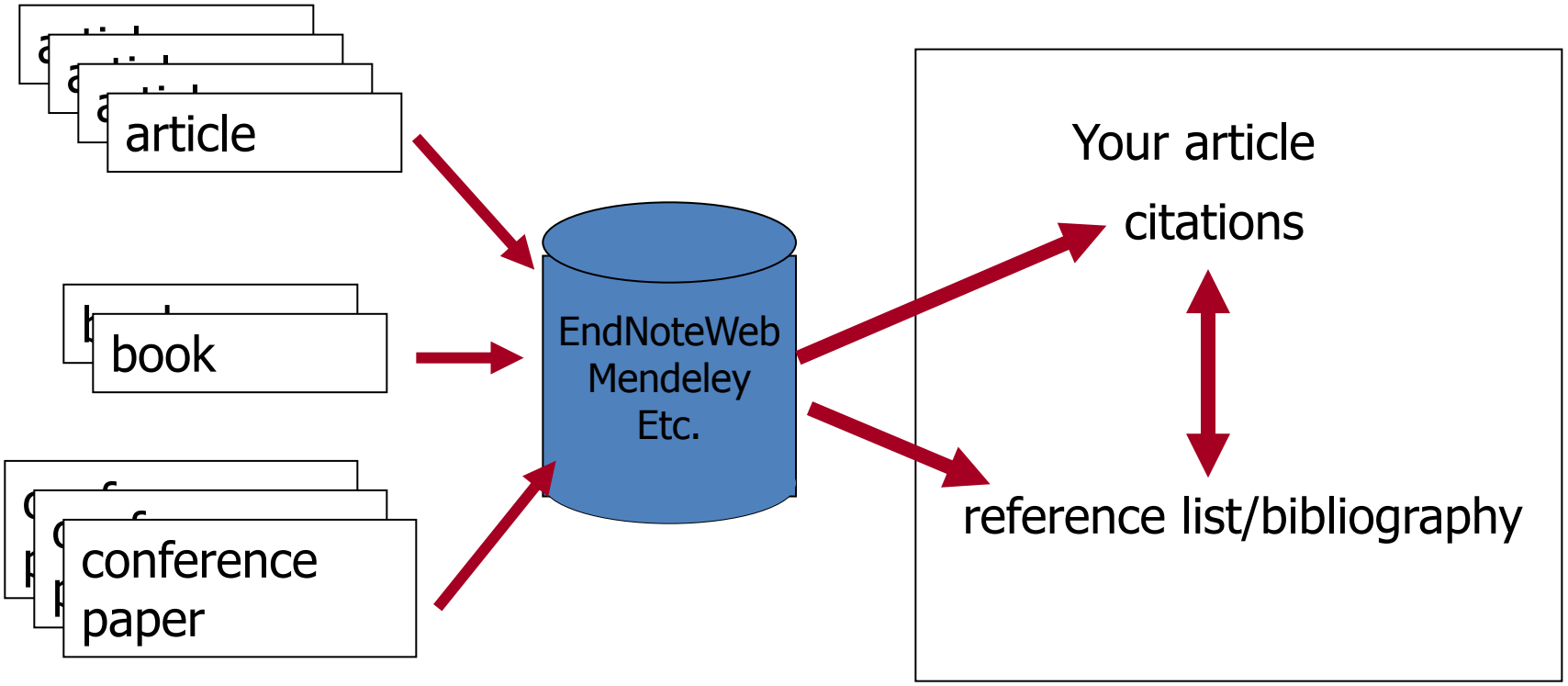


Organize the references (Reference management) tools

Writing a Tesis/Paper: Traditional way

Source: flickr/toennessen

Use a reference management tool!



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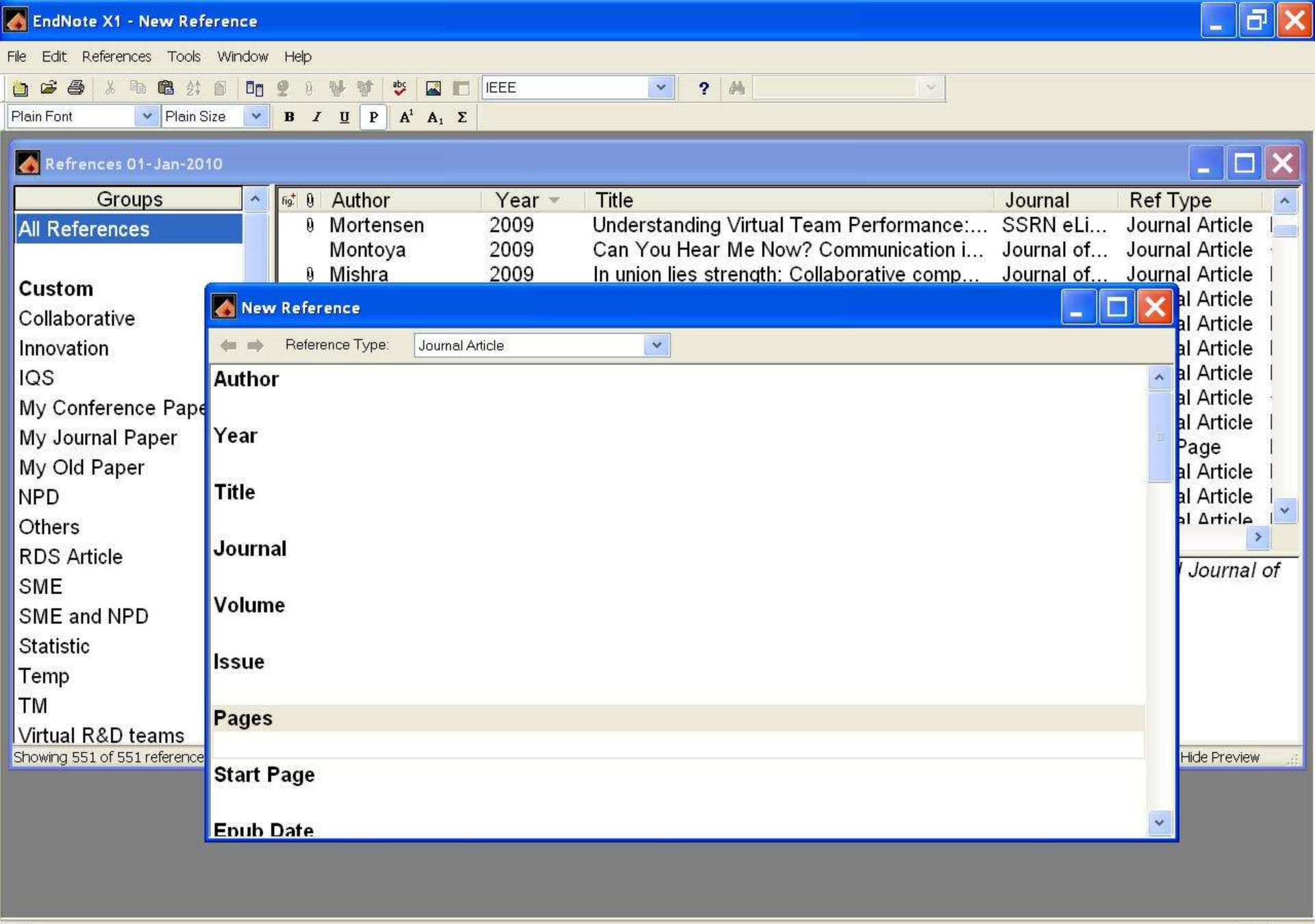
- *EndNote* is an almost indispensible tool for the serious researcher. And best of all, its free to all UM postgraduates!

Why use *EndNote*?

- *EndNote* allows you to create your own reference library. This library can be used to store the bibliographical details relating to the articles and books that you use. When it comes time to write your thesis, you can employ the library to insert references into your text and produce your bibliography. *EndNote* will save you hundreds of hours over the course of your research.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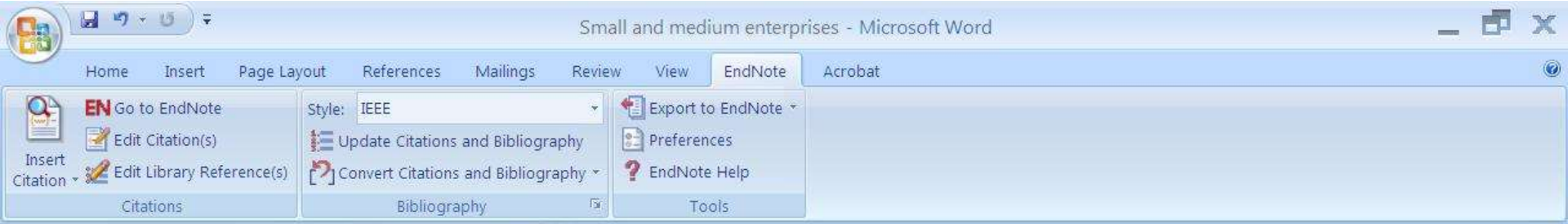


Small and medium enterprises (SMEs) are the driving engine behind economic growth [1].

References

[1] N. Ale Ebrahim, S. Ahmed, and Z. Taha, "Virtual R & D teams in small and medium enterprises: A literature review," *Scientific Research and Essay,* vol. 4, pp. 1575–1590, December 2009.

Why *EndNote Web*?

EndNote Web can help you to manage your references in a simple two-steps process …

- Step 1: Manage references
  - Collect references
  - Organize, share and collaborate
- Step 2: Format references
  - Cite references while writing (*Cite While You Write*)
  - Get reference list generated automatically
  - Change the reference style in few clicks!

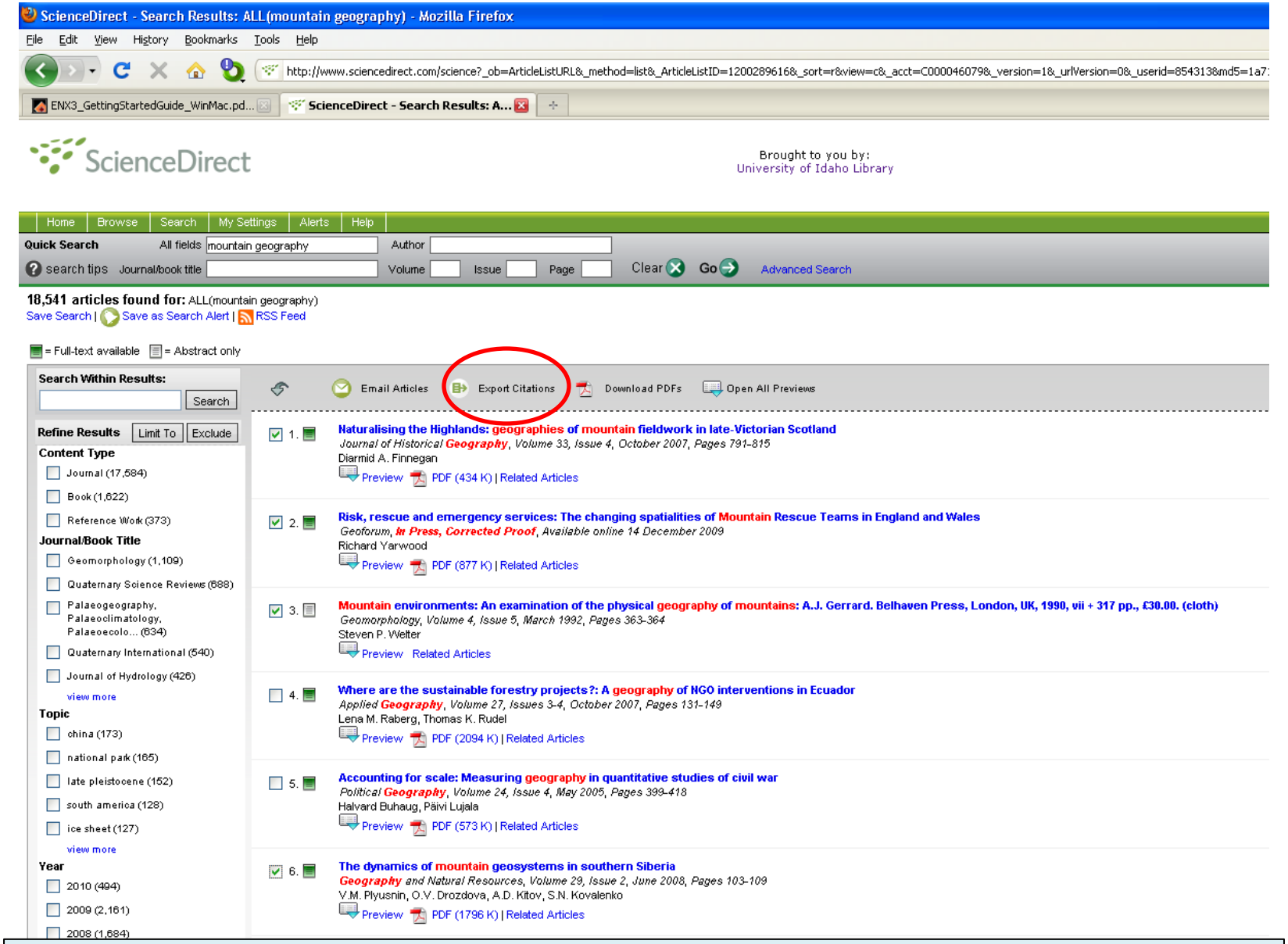
How to start?

Here are the simple steps to make your writing experience a happier one …

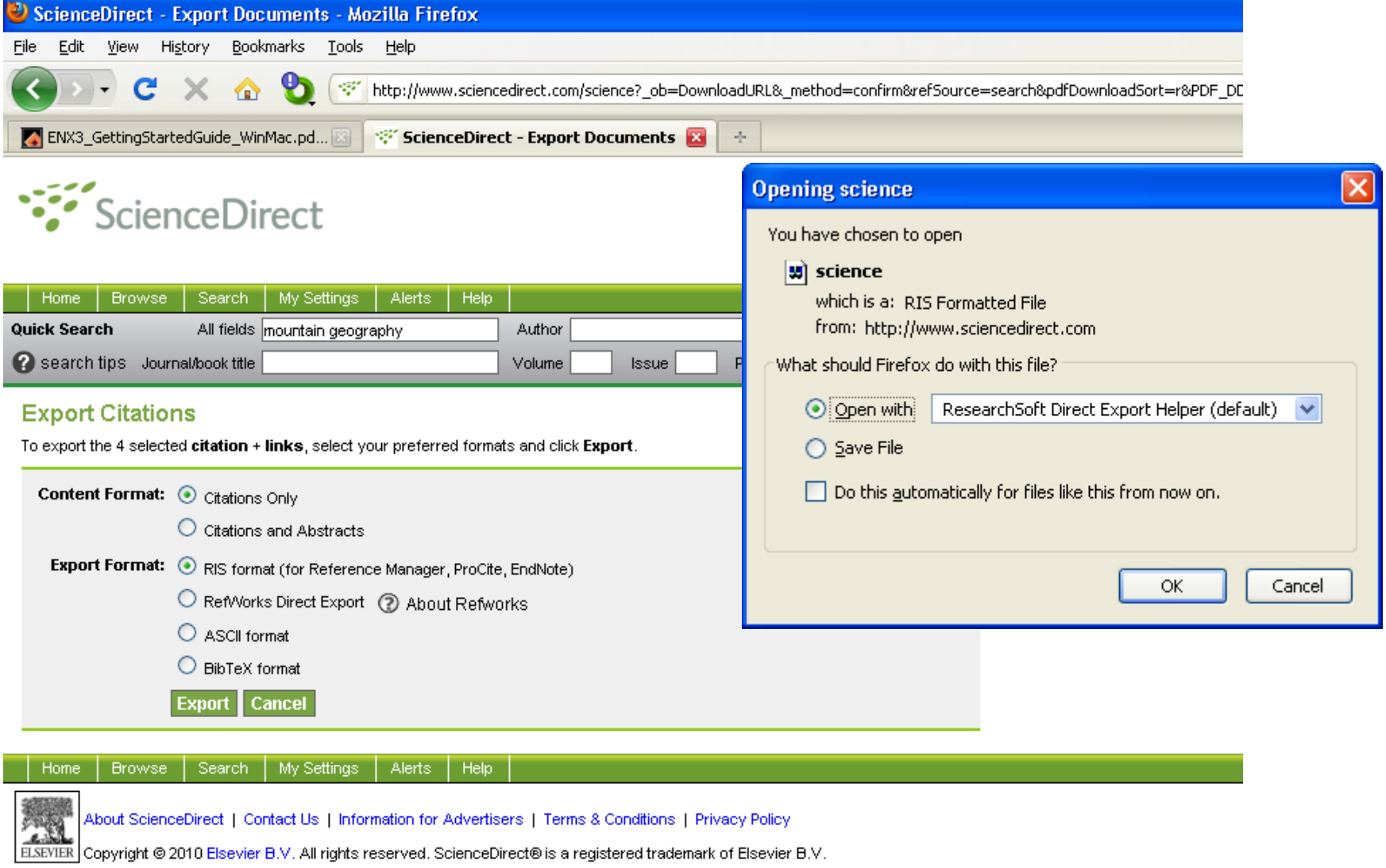
1. Create a free *EndNote Web* account
2. Collect references from *Web of Science* and various databases
3. Manage, organize and share references
4. Download and installing the "*Cite While You Write*" Plug-in (only do it once!)
5. Inserting your references and be a happy writer!

   … because references are automatically generated and you can change the style with just few clicks!

Export to EndNote

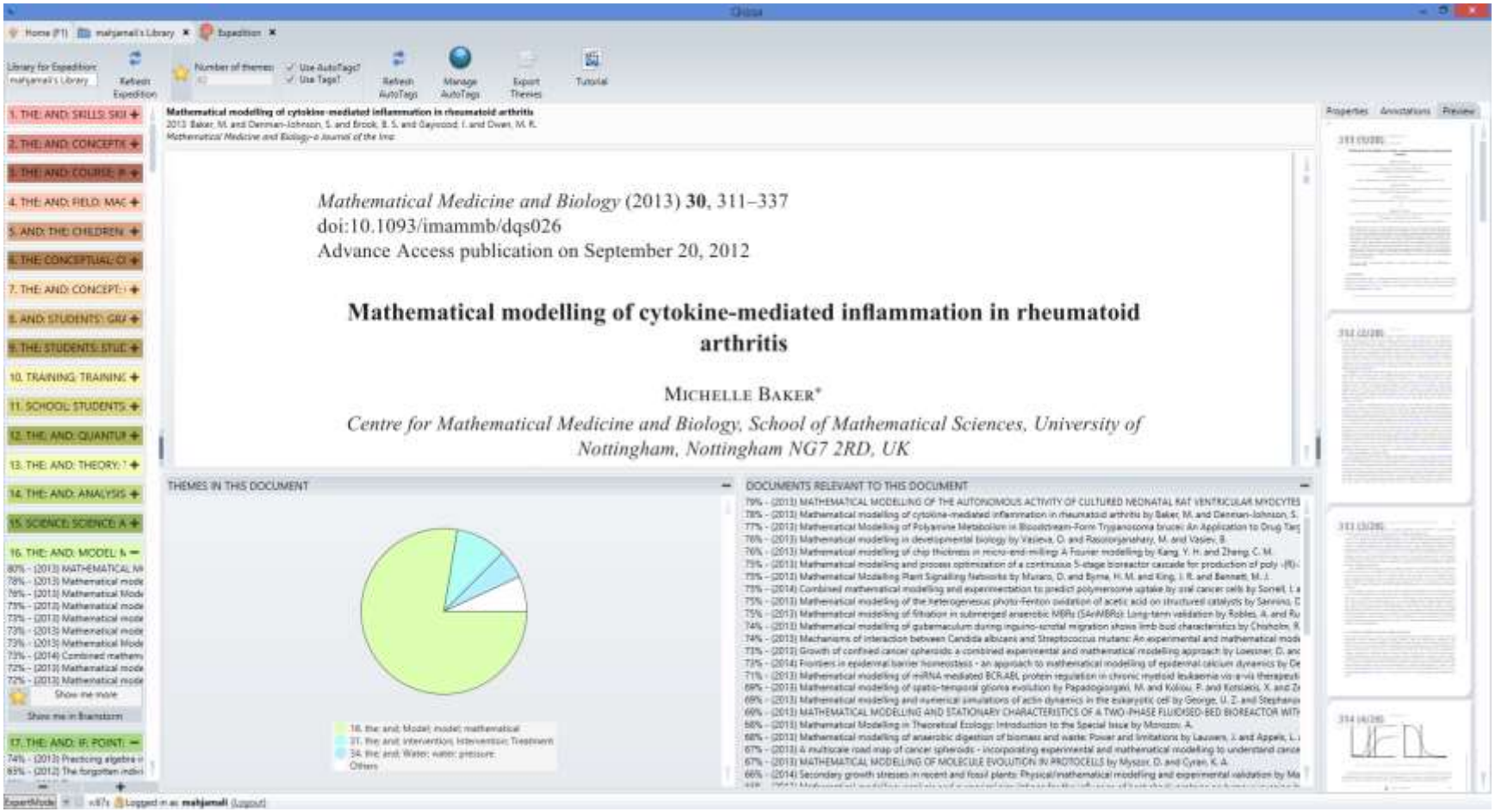


ScienceDirect (Elsevier) allows you to check your desired citations, then click on the "Export Citations" link…



… then you select which pieces of information you really want in your EndNote database, using the radio buttons, then click on the “Export” button to bring up the dialog box we have seen before to transfer the temporary file into EndNote

Qiqqa: Free reference manager and research manager



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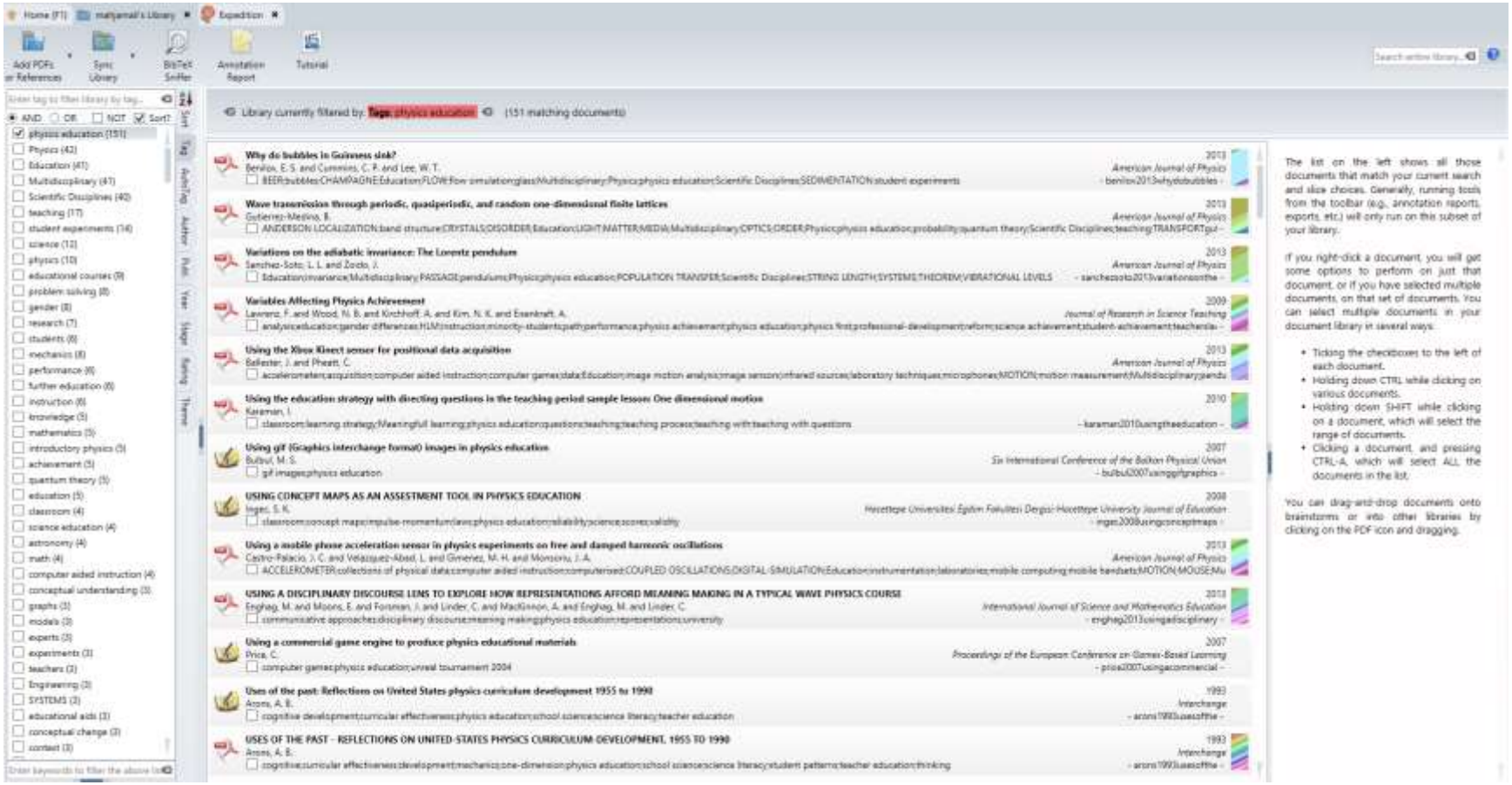

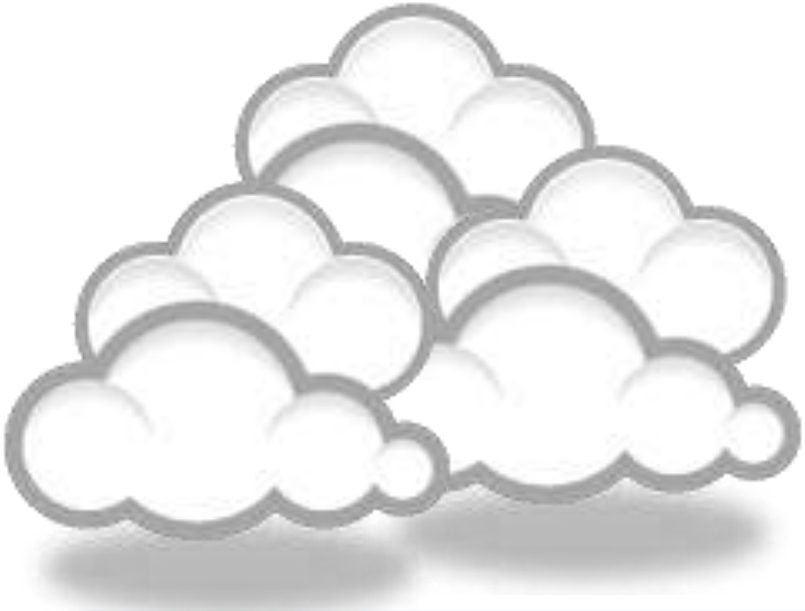

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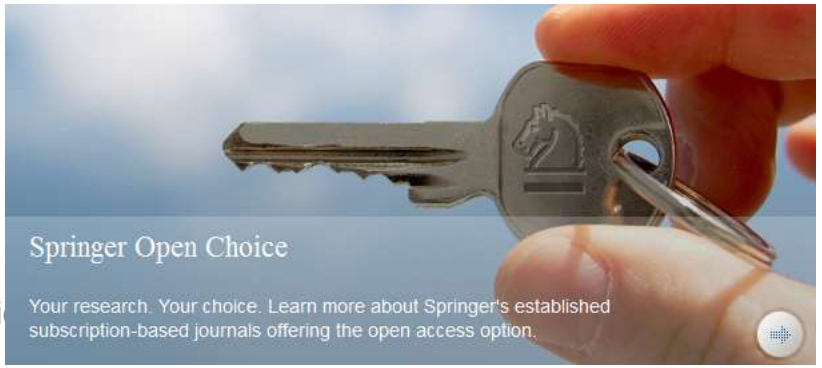

Special Issues

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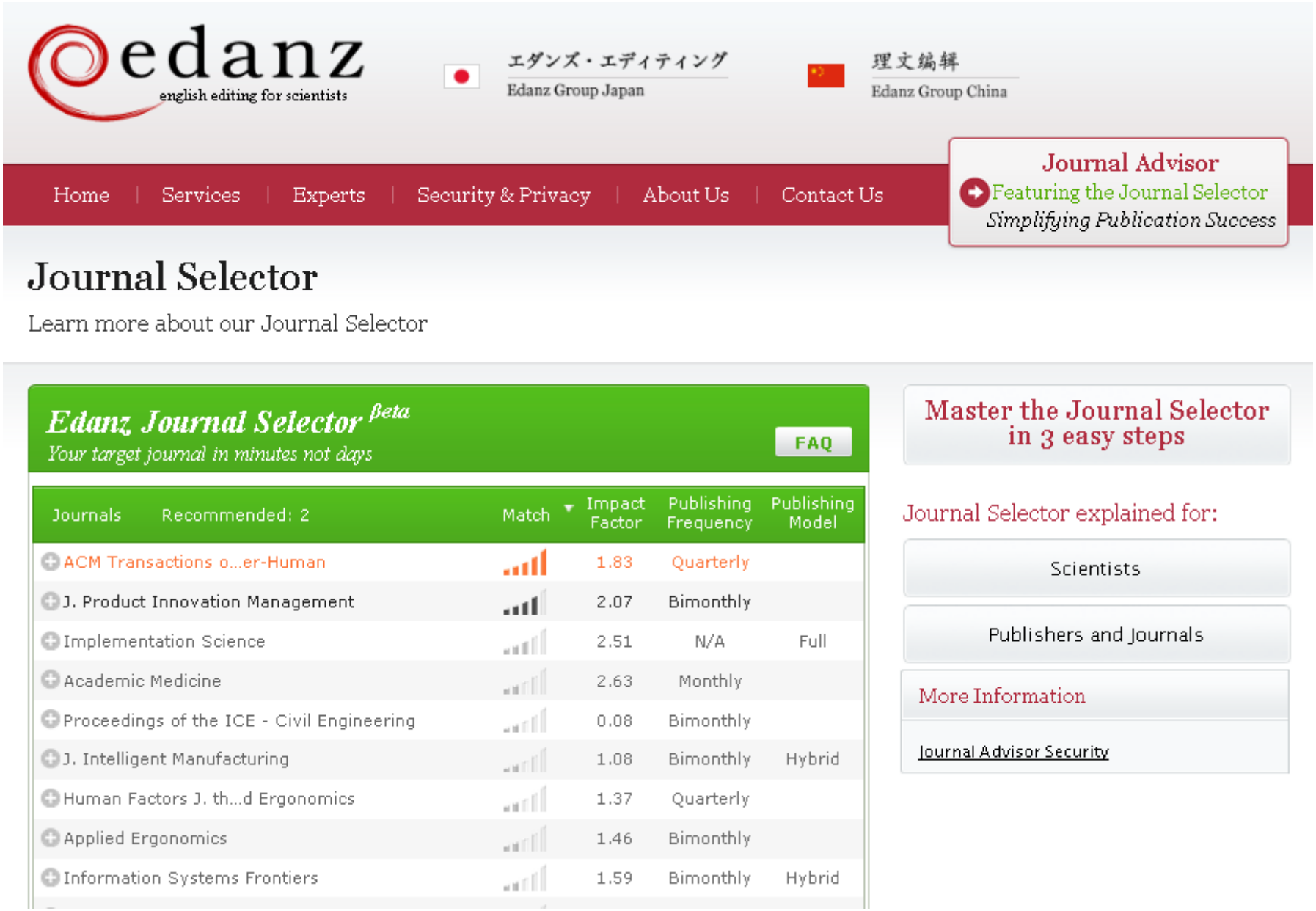
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Electronic Markets 0.78 Hybrid
Business & Information Systems Engineering 0.65 Hybrid

Where should I submit my publication?

If you want your article to …

- Publish in most influential or highly cited journal
  - → Use Impact Factor or
  - → 5 Year Impact Factor (for subjects need longer citation period, e.g. GEOLOGY or MANAGEMENT or SOCIOLOGY, etc)
- To reach out to readers and be read immediately
  - → Use Immediacy Index
- Stay active in journal collection
  - → Use Cited Half Life

Note: The above only serves as general guidelines, deeper understanding of JCR, the subjects and dynamic publication cycles are crucial when deciding where to publish your paper.

THOMSON REUTERS

Promote your publications

Strategies for Enhancing the Impact of Research

Improving access and retrieval of your research study is the surest way to enhance its impact. Repetition, consistency, and an awareness of the intended audience form the basis of most the following strategies.

Preparing for Publication

Dissemination

Keeping Track of Your Research

Source: Washington University School of Medicine, St. Louis Missouri

Strategies for Enhancing the Impact of Research
Dissemination

- Submit the manuscript to a digital subject repository.
- Submit the manuscript to an institutional repository.
- Set up a web site devoted to the research project and post manuscripts of publications and conference abstracts.
- Take advantage of SEO (search engine optimization).
- Present preliminary research findings at a meeting or conference.
- Follow up preliminary research findings presented at a meeting or conference with a published manuscript.
- Consider submitting the same article to a journal in a different language as a “secondary publication.”
- Start a blog devoted to the research project.
- Contribute to Wikipedia.
- Contribute to a social network

Source: Washington University School of Medicine, St. Louis Missouri

8 Ways to increase usage and citation of published papers

1. Create your own website
2. Create Mind Map
3. Do Search Engine Optimization (SEO)
4. Contribute to Wikipedia
5. Join Twitter
6. Join academic social networking sites
7. Join LinkedIn
8. Deposit papers in repositories

Adopted from "10 Ways to Increase Usage and Citation of your Published Article Using Social Media"

Repositories can disseminate information

Universities can:

- meet accountability requirements
- improve the brand image of the university
- preserve academic research outputs permanently and effectively
- promote co-operation with industry and contribution to the local communities
- reduce the costs of taking charge of academic information

Researchers can:

- gain greater visibility for their research achievements
- establish the channel for the dissemination of research outputs
- reduce the cost of preservation and dissemination of research outputs
- raise the citation rates of their articles

Source: What is an academic repository?

Optimize citations

- *Put your article in an institutional or subject repository.*
- *Publicize yourself - link to your latest article in your email signature.*
- Make your article more accessible
- Make your article more visible
  - **Reading lists**
  - **Department website or personal webpage**
  - **Twitter and Facebook**
  - **LinkedIn**
  - **Join academic social networking sites**
  - **CiteULike**
  - **Email signature**

Source: **Optimize citations -**http://journalauthors.tandf.co.uk/beyondpublication/optimizingcitations.asp
And
Promote your article - http://journalauthors.tandf.co.uk/beyondpublication/promotearticle.asp

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- Web Site
- Mindmeister
- SSRN
- getCITED
- Academica
- ResearchGate
- The Berkeley Electronic Press™

Advertising

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- CiteULike
- PublicationsList
- Academic Research Microsoft
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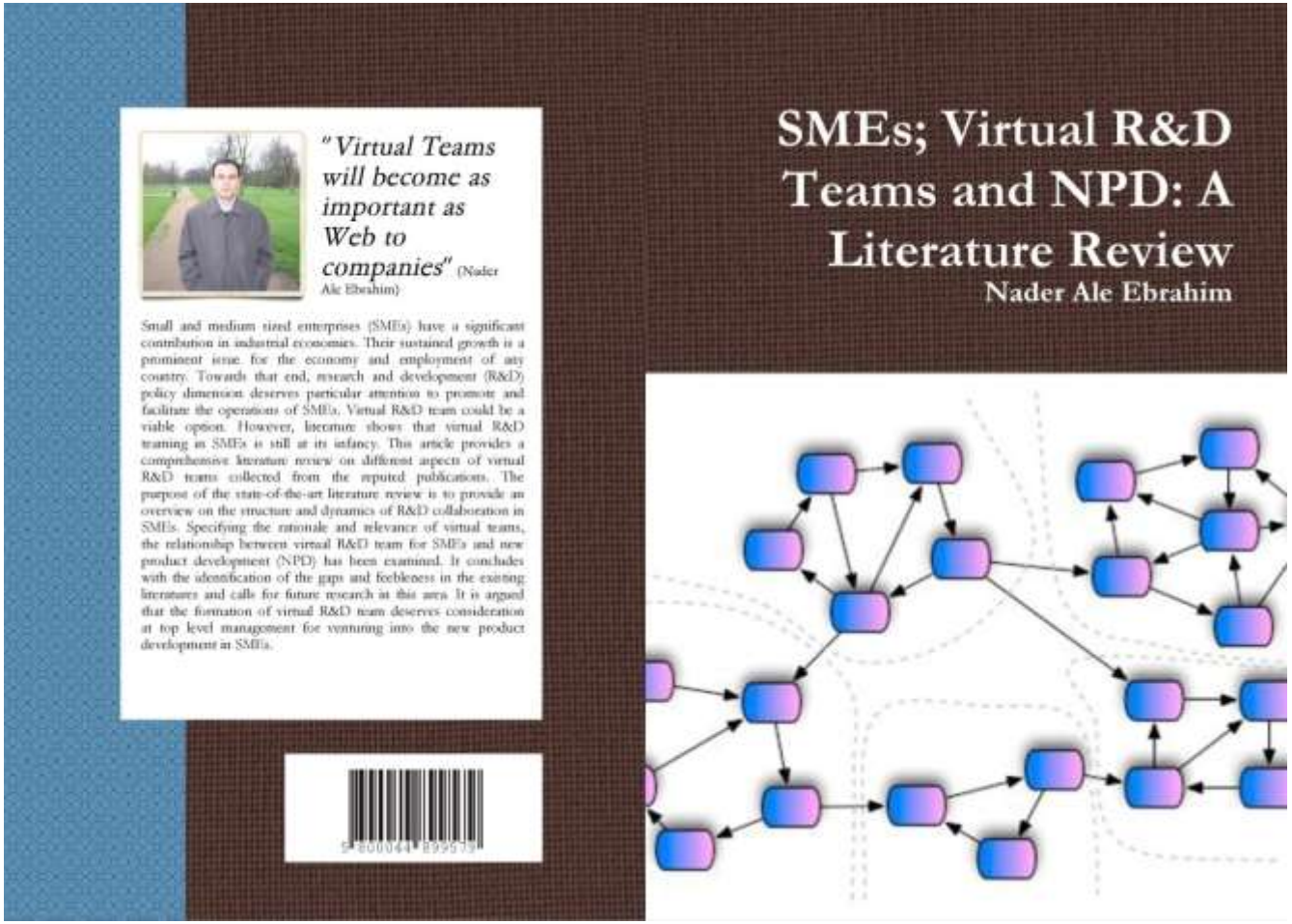
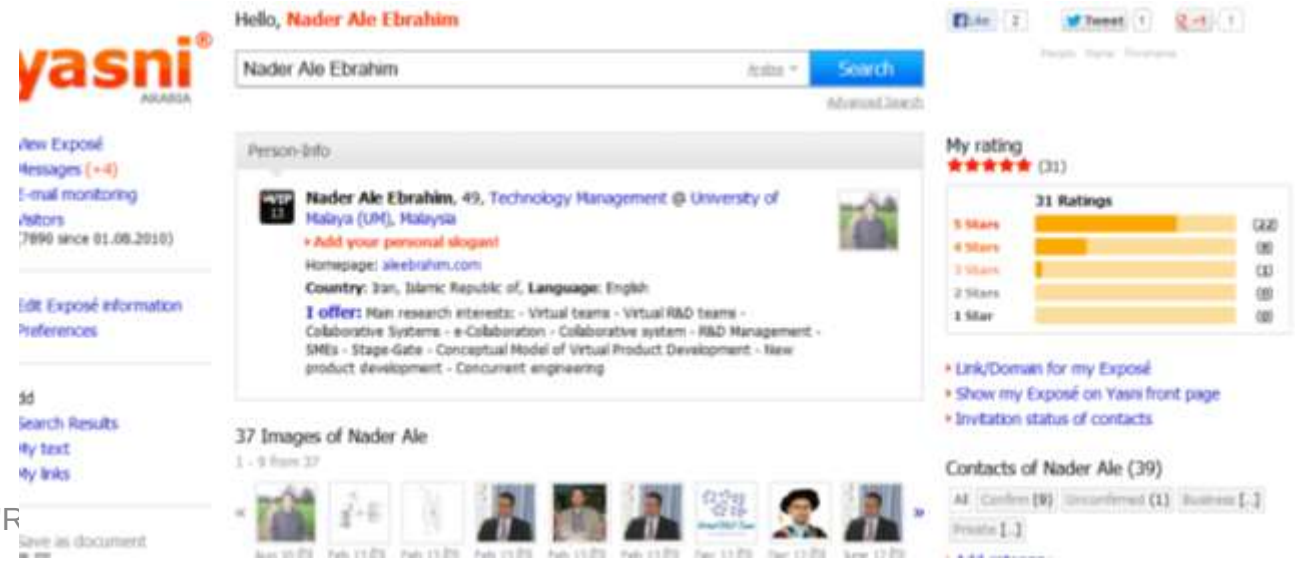
- Best Virtual R&D Teams Papers

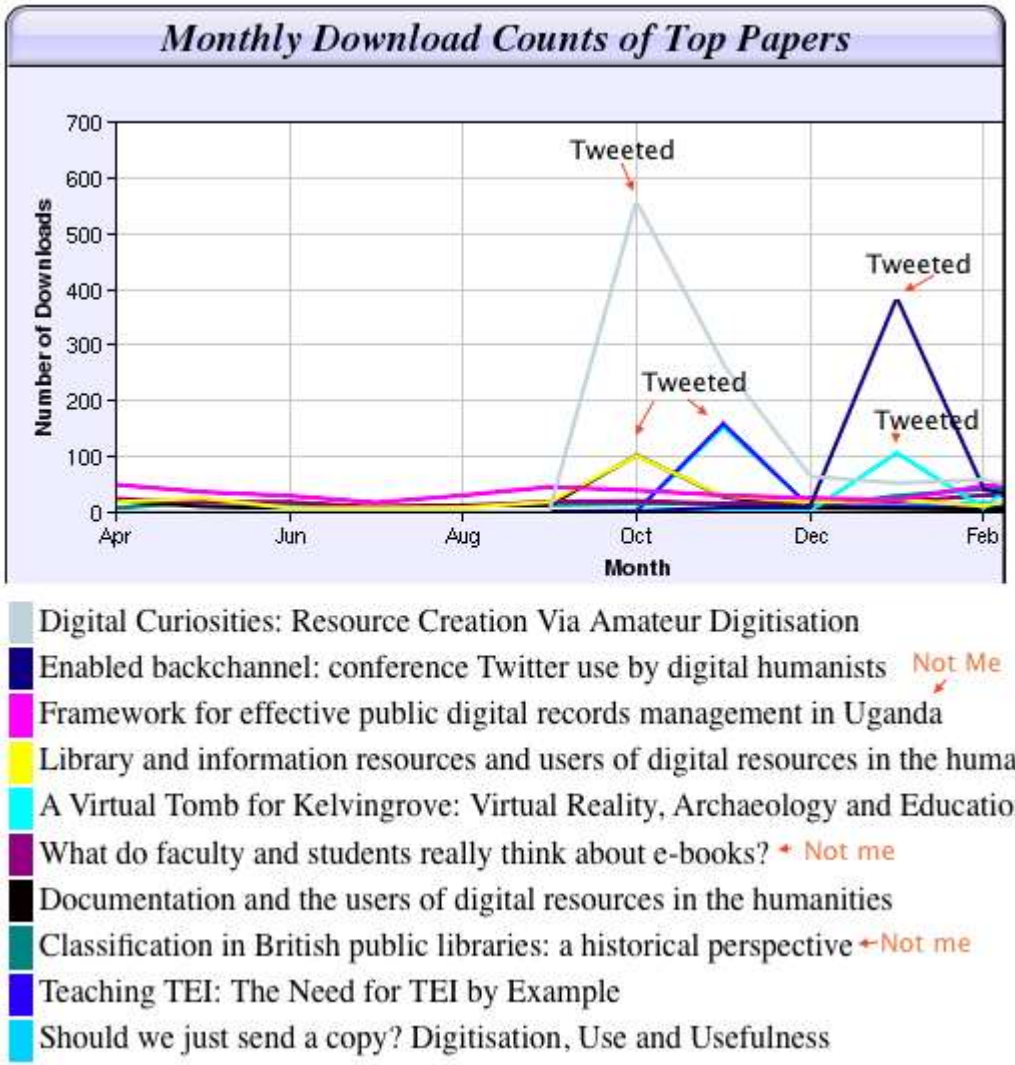
Publishing books



Microblogging



Why should you share links to your published work online?



According to Dr Melissa Terras from the University College London Centre for Digital Humanities, “If you tell people about your research, they look at it. Your research will get looked at more than papers which are not promoted via social media” (2012).

The Kardashian index: a measure of discrepant social media profile for scientists

$F=43.3C^{0.32}(1)$

Where F is the number of twitter followers and C is the number of citations.

As a typical number of followers can now be calculated using this formula, Hall (2014) proposed that the Kardashian Index
(K-index) can be calculated as follows:

$K-index=F(a)/F(c)$

Where $F_{(a)}$ is the actual number of twitter followers of researcher X and $F_{(c)}$ is the number researcher X should have given their citations. Hence a high K-index is a warning to the community that researcher X may have built their public profile on shaky foundations, while a very low K-index suggests that a scientist is being undervalued. Here, Hall (2014) proposed that those people whose K-index is greater than 5 can be considered 'Science Kardashians'

Neil Hall, Prof

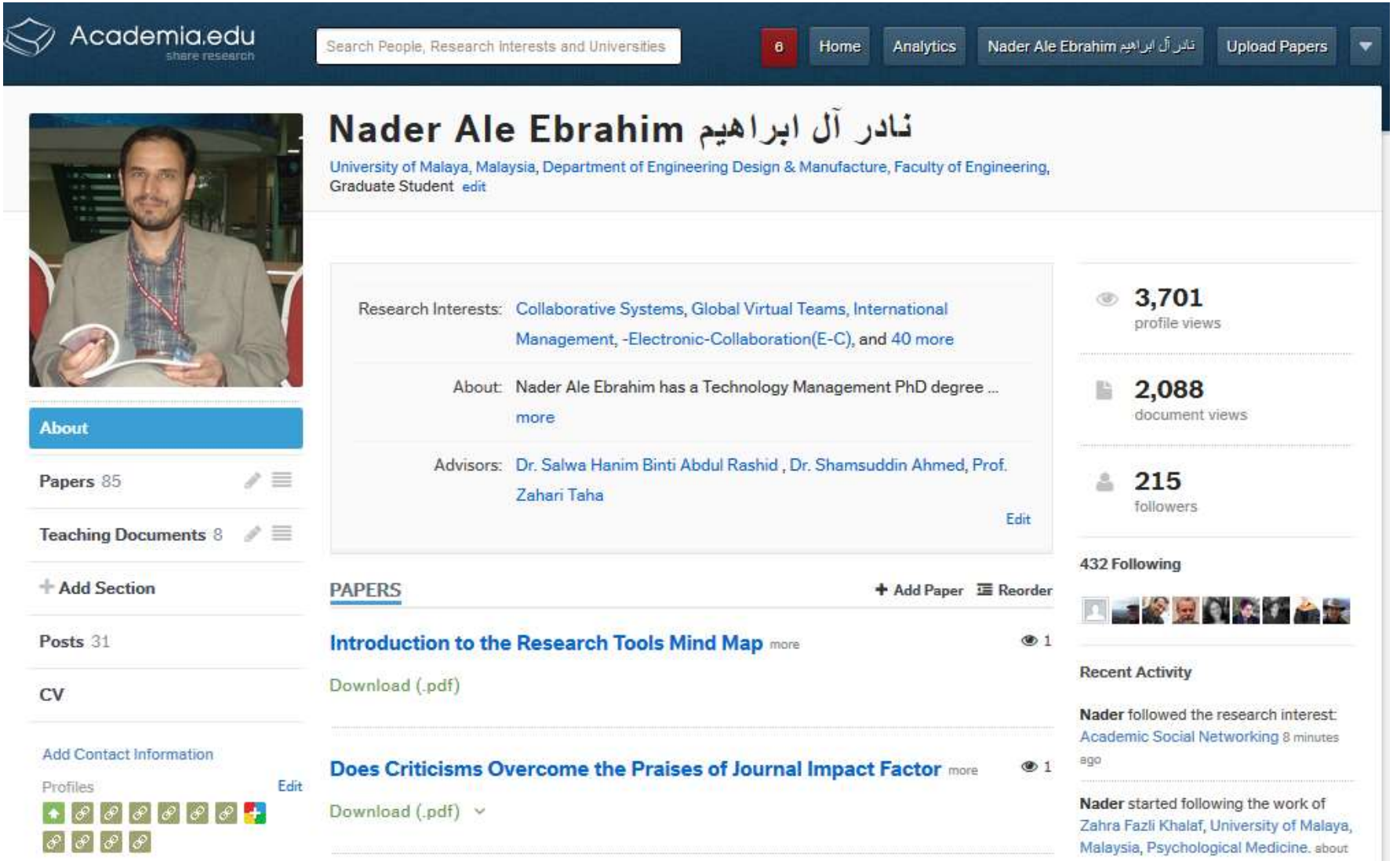
Source: N. Hall, "The Kardashian index: a measure of discrepant social media profile for scientists," *Genome Biology*, vol. 15, no. 7, pp. 1-3, 2014/07/30, 2014.

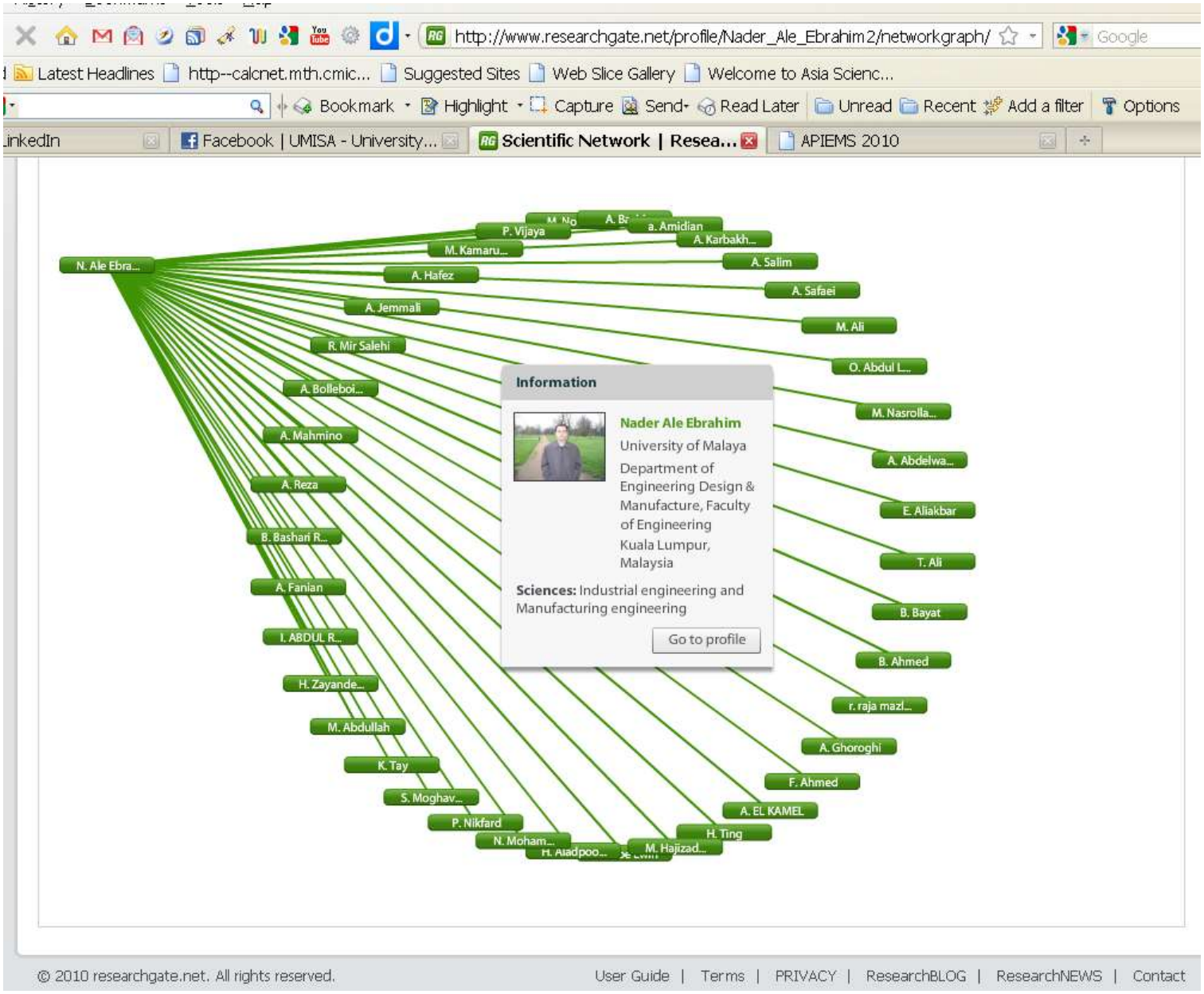
Network

- Build your network – make sure you have dynamic diverse networks
- Join networks such as LinkedIn, ResearchGate or Academic.edu

See more at: http://libguides.library.curtin.edu.au/content.php?pid=417077&sid=3408994

Academic Social Networking

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Technology Management Consultant, "Research Tools" Advisor and Self-employed Researcher

Selangor, Malaysia | Automotive

Current	**Technology Management Consultant, "Research Tools" Advisor** at **Independent Researcher**
Past	Research Fellow at Research Support Unit, Centre of Research Services, IPPP, University of Malaya PhD candidate at University of Malaya Paper & Proceedings Committee at United Kingdom - Malaysia - Ireland Engineering Science Conference 2011 (UMIES 2011) see all
Education	Universiti Malaya Faculty of Engineering ,University of Tehran Faculty of Engineering , University of Tehran
Recommendations	**28** people have recommended Nader
Connections	**500+** connections
Websites	Personal Website Publications Blog

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Nader Ale Ebrahim's Summary

Nader Ale Ebrahim has a Technology Management PhD degree from the Department of Engineering Design and Manufacture, Faculty of Engineering, University of Malaya. He holds a Master of Science in the mechanical engineering from University of Tehran with distinguished honors, as well as more than 17 years experience in the establishing R&D department in

Blogs

- Wordpress

- Weebly

- Blogger

http://johnrturnerhptresource.blogspot.com/2013/06/new-article-acceptance-multiagent.html

JohnRTurner_HPT_resource

This blog is intended to share information, discuss new research, and identify new trends within the Human Performance Technology (HPT) field. HPT is a multi-disciplinary practice that is influenced by a number of cognate disciplines: psychology, systems theory, education, economics, and sociology - to name only a few.

Tuesday, June 4, 2013

New Article Acceptance: Multiagent Systems as a Team Member

I have received notice that my article titled *Multiagent Systems as a Team Member* will be published by Common Ground Publishing in their journal: *The International Journal of Technology, Knowledge, and Society*. The web page for the journal follows: http://ijt.cgpublisher.com

No date as to when the article will be published but it should be this fall. Listed below is the abstract for the journal article to give those interested an indication of what the article is about.

Abstract

With the increasing complex business environment that organizations have to operate in today, teams are being utilized to complete complex tasks. Teams

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About Me

John R. Turner

John R. Turner is a Doctoral Candidate at the University of North Texas in the applied technology and performance improvement (ATPI) program. He started his career in mechanical engineering where he was employed for 15 years. After leaving the engineering service industry, he completed a second bachelor's degree in psychology from the University of Arkansas at Little Rock, followed by a master's degree in human resource development from the University of Texas at Tyler. His research interests are in teams, team cognition, knowledge management, performance improvement, theory building, multilevel models, meta-analysis

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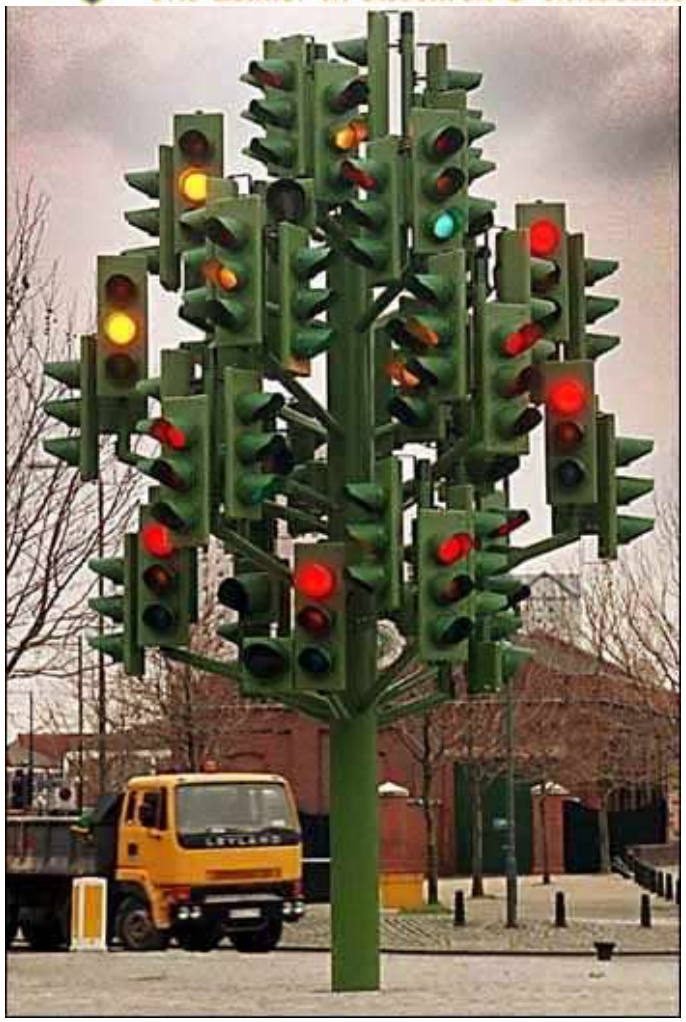

Thank you!

Nader Ale Ebrahim, PhD
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www.researcherid.com/rid/C-2414-2009
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