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مِنْ السَّاجِدِينَ

***An Introduction to The Effective Use of  
“Research Tools Box” and Resources***

# ***An Introduction to The Effective Use of “Research Tools Box” and Resources***

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[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)  
<http://scholar.google.com/citations>

# Abstract

With the increasing use of information and communications technology (ICT), researchers are able to use computer software tools to find, organize, analyze, and share relevant information. However, there are hundreds of such tools to select from, for various research-related uses. Nader has collected over 700 tools that can help researchers do their work efficiently. 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. Several free tools can be found in the child nodes. In this seminar some tools and their application in research will be described. The e-skills learned from the seminar are useful across various research disciplines and research institutions.

# 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.

# Nader Ale Ebrahim



- [Semināra](#)
- [Budapest Open Access Initiative](#)



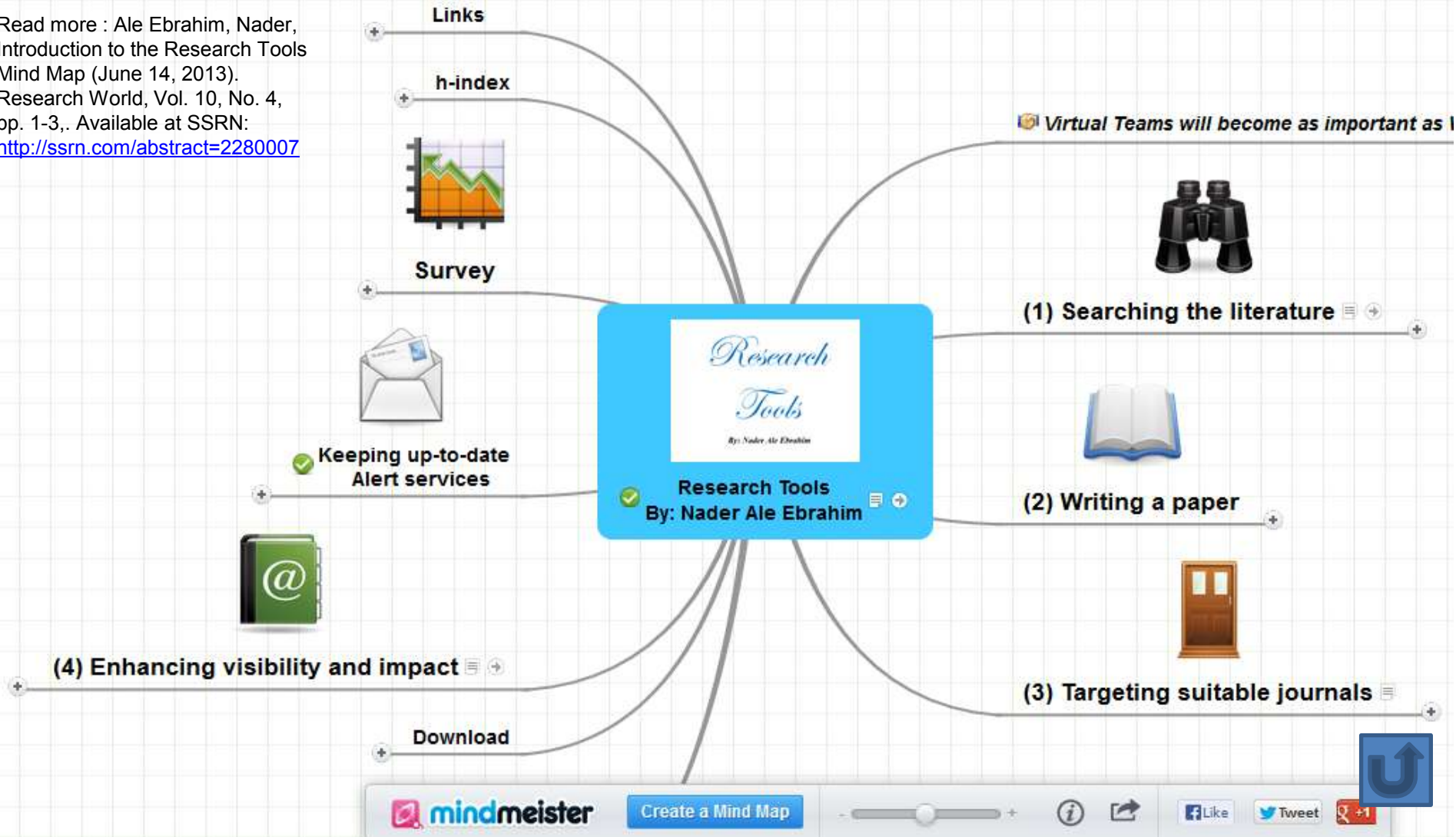
# Outline

1. [Introduce “Research Tools”](#) Mind Map and overview of Tools
2. [Developing a search strategy](#)
3. Finding keyword
4. [Finding](#) proper articles
5. [Evaluate a paper/journal quality](#)  
(The impact factor-Journal ranking)
6. [To do an effective](#) literature search
7. [Keeping up-to-date](#) (Alert system)
8. [Mind mapping tools](#)
9. [Indexing desktop search tool](#)
10. [The paraphrasing & editing tool](#)
11. [Avoid plagiarism](#)
12. [Organize the references](#)  
(Reference management) tool
13. [Getting published](#)
14. [Target suitable journal](#)
15. [Promote your publication](#) to get more citation
16. [Q&A](#)



# Research Tools Mind Map

Read more : Ale Ebrahim, Nader,  
Introduction to the Research Tools  
Mind Map (June 14, 2013).  
Research World, Vol. 10, No. 4,  
pp. 1-3,. Available at SSRN:  
<http://ssrn.com/abstract=2280007>






Developing a search strategy,  
Finding keyword

# Effective searching

- » Developing a search strategy
- » Searching the library catalogue
- » Finding journal articles and papers
- » Searching the Internet
- » Other sources

Source: <http://learnline.cdu.edu.au/myresearch/plan/searchstrategy.html>

# Developing a search strategy

- » Defining the topic
  - » Considering the scope of your topic
  - » Identifying the main or important aspects
  -  » Compiling a list of keywords
  - » Developing your search strategy
- It is important to develop a search strategy to, not only, find the information you need but to also clarify your topic.

# How to Find and Develop a Viable Research Topic?

**Step One: Identify a Topic.**

**Step Two: Test Your Topic.**

**Test the main concepts or keywords in your topic by looking them up in the appropriate background sources or by using them as search terms.**

If you are finding too much information and too many sources, narrow your topic by using the **and** operator

Finding too little information may indicate that you need to broaden your topic.

# Importance of Keywords

The researcher should know how to find information on the internet by selecting a proper keyword or phrase. If we are looking for a specific word but completely different ways from the other, the result may return different from our first inquiry. These variations are staggering in number of results. The researcher may ask “Which Keyword or phrase should I use for leading me to accurate results?”

Fortunately, [many publishers](#) and software developer understand the importance of Keywords and are producing tools to make this process faster and more effective. On the other hand, the sudden influx of these tools has created a new problem.



# Selecting keywords



ISI Web of  
**KNOWLEDGE**  
*Transforming Research*

Google AdWords

**MASTER KEYWORDS LIST**  
Journal of International Business Studies

# Master Keywords List

The screenshot shows the website for the Journal of International Business Studies. At the top, there is a navigation bar with the journal's name and a search box. Below this is a banner for the Mastercard Finance, Payments & E-commerce Chair Vacancy. The main content area is titled "MASTER KEYWORDS LIST" and is divided into three categories: Research Methods, Research Design, and Data Source. The Research Methods category is currently selected and expanded, showing a list of keywords: Primary, Secondary, Comparative Thinking, Construct Development and Evaluation, Cross-Cultural Experiments, Cross-Cultural Research/Measurement Issues, Econometrics, and Equivalency. The Research Design category is also expanded, showing: Comparative Thinking, Construct Development and Evaluation, Cross-Cultural Experiments, Cross-Cultural Research/Measurement Issues, Econometrics, and Equivalency. The Data Source category is currently collapsed. On the left side, there is a sidebar with various links such as "Journal home", "Advance online publication", "Current issue", "Archive", and "Catalog entry". On the right side, there are several utility links including "Sign up for e-alerts", "Recommend this publication to your library", "Receive RSS Web feeds", and "Follow us on Twitter".

Journal home > Master list of keywords

## MASTER KEYWORDS LIST

- [Research methods](#)
- [Theories](#)
- [Topics](#)

The master keyword list is split into 3 main categories: research methods, theories, and topics. When choosing your keywords, please try to choose at least one keyword from each category.

### RESEARCH METHODS [Top](#)

#### Data Source

- Primary
- Secondary

#### Research Design

- Comparative Thinking
- Construct Development and Evaluation
- Cross-Cultural Experiments
- Cross-Cultural Research/Measurement Issues
- Econometrics
- Equivalency

#### Sign up for e-alerts

[Sign up for e-alerts](#)

[Recommend](#) this publication to your library

[Receive RSS Web feeds](#)

[About RSS Web feeds](#)

[Follow us on Twitter](#)

Academy of International Business

#### JIBS/AIB Services

- [AIB member log-in](#)
- [Adopt a Library](#)

#### AIB resources

- [AIB home](#)
- [Book reviews](#)

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# Google AdWords - Keyword Planner

Google AdWords

Home Campaigns Opportunities Tools and Analysis Billing My account

Keyword Planner Add ideas to your plan

Your product or service: Virtual Teams

Get ideas Modify search

Targeting: Malaysia, English, Google, Negative keywords

Customize your search: Keyword filters, Keyword options, Include/Exclude

Ad group ideas Keyword ideas

Download Add all (368)

Search terms	Avg. monthly searches	Competition	Suggested bid	Ad impr. share	Add to plan
virtual teams	30	Low	RM7.98	0%	»

1 - 1 of 1 keywords

Keyword (by relevance)	Avg. monthly searches	Competition	Suggested bid	Ad impr. share	Add to plan
virtual team	70	Low	-	0%	»
team building	1,600	High	RM2.11	0%	»
training and development	1,300	Medium	RM1.66	0%	»
teamwork	1,600	Low	RM0.13	0%	»
team building activities	1,300	High	RM1.43	0%	»
management skills	390	Medium	RM0.82	0%	»

# Google AdWords – Keyword Like

The screenshot displays the Google AdWords Keyword Planner interface. At the top, there is a navigation bar with tabs for Home, Campaigns, Opportunities, Tools and Analysis, Billing, and My account. Below this, the 'Keyword Planner' section is active, showing 'Add ideas to your plan'. The search criteria include 'Your product or service' set to 'Virtual Teams'. The interface shows '1 of 22 ad group ideas' and an 'Add all (21)' button. On the left, there are sections for 'Targeting' (Malaysia, English, Google, Negative keywords) and 'Customize your search' (Keyword filters, Keyword options, Include/Exclude). The main content area displays a table of keyword suggestions for the ad group 'Keywords like: Virtual Team Example'.

Keyword (by relevance)	Avg. monthly searches	Competition	Suggested bid	Ad impr. share	Add to plan
virtual team	70	Low	-	0%	»
training and development	1,300	Medium	RM1.66	0%	»
teamwork	1,600	Low	RM0.13	0%	»
management skills	390	Medium	RM0.82	0%	»
virtual teams definition	10	Low	-	0%	»
cross functional team	110	Low	-	0%	»
teambuilding	210	Medium	RM1.58	0%	»
cross culture	70	Low	RM2.52	0%	»
teamwork games	90	Low	RM2.45	0%	»

# Google AdWords - Keyword Output

The screenshot shows a Microsoft Excel spreadsheet with the following data:

	A	B	C	D	E	F	G	H	I
1	Ad group	Keyword	Currency	Avg. monthly searches	Competition	Suggested	Impr. shar	In account	In plan?
2	Seed Keywords	virtual teams	MYR	30	0.05	4.69	0	N	N
3	Keyword Ideas	virtual team	MYR	70	0.04	1.39	0	N	N
4	Keyword Ideas	team building	MYR	1600	0.71	1.86	0	N	N
5	Keyword Ideas	teamwork	MYR	1600	0.12	0.46	0	N	N
6	Keyword Ideas	team building activities	MYR	1000	0.76	1.51	0	N	N
7	Keyword Ideas	virtual teams definition	MYR	10	0.03		0	N	N
8	Keyword Ideas	cross functional team	MYR	110	0		0	N	N
9	Keyword Ideas	virtual team building	MYR	10	0.19		0	N	N
10	Keyword Ideas	cross culture	MYR	70	0.06		0	N	N
11	Keyword Ideas	team management	MYR	90	0.05		0	N	N
12	Keyword Ideas	virtual meeting	MYR	20	0.15	4.37	0	N	N
13	Keyword Ideas	types of teams	MYR	40	0.02		0	N	N
14	Keyword Ideas	virtual team definition	MYR	10	0.09		0	N	N
15	Keyword Ideas	self managed teams	MYR	30	0.01		0	N	N
16	Keyword Ideas	cultural sensitivity	MYR	40	0.02		0	N	N
17	Keyword Ideas	team bonding	MYR	30	0.22		0	N	N
18	Keyword Ideas	virtual work	MYR	20	0.11		0	N	N
19	Keyword Ideas	managing people in organization	MYR	10	0		0	N	N
20	Keyword Ideas	virtual team example	MYR	10	0.07		0	N	N
21	Keyword Ideas	virtual assistant jobs	MYR	20	0.44	0.09	0	N	N
22	Keyword Ideas	project team management	MYR	10	0.35		0	N	N
23	Keyword Ideas	global team	MYR	10	0		0	N	N
24	Keyword Ideas	project team development	MYR	10	0.11		0	N	N
25	Keyword Ideas	virtual jobs	MYR	10	0.23	0.65	0	N	N
26	Keyword Ideas	define business management	MYR	10	0.27		0	N	N
27	Keyword Ideas	managing virtual teams	MYR	10	0.08		0	N	N

# Keywords Plus

- KeyWords Plus<sup>®</sup> are index terms created by Thomson Reuters from significant, frequently occurring words in the titles of an article's cited references.

Source: [http://images.webofknowledge.com/WOK46/help/WOS/h\\_fullrec.html](http://images.webofknowledge.com/WOK46/help/WOS/h_fullrec.html)

# 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- 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

### Web of Science<sup>SM</sup>

**Results** Topic=("virtual Teams")  
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.  
Lemmatization=On

Scientific WebPlus<sup>WEB</sup> View Web Results >>

**Note:** Alternative forms of your search term (for example, tooth and teeth) may have been applied, in particular for Topic or Title searches that do not contain quotation marks around the terms. To find only exact matches for your terms, turn off the "Lemmatization" option on the search page.

Results: **741** Page 1 of 75 Go Sort by: Publication Date -- newest to oldest

**Refine Results**  
Search within results for  
 Search  
**Web of Science Categories** Refine  
 MANAGEMENT (288)  
 COMPUTER SCIENCE INFORMATION SYSTEMS (183)  
 INFORMATION SCIENCE LIBRARY SCIENCE (122)  
 BUSINESS (96)

Save to: EndNote Web EndNote ResearcherID  
more options Analyze Results Create Citation Report

1. Title: **Factors of collaborative working: A framework for a collaboration model**  
Author(s): Patel Harshada; Pettitt Michael; Wilson John R.  
Source: APPLIED ERGONOMICS Volume: 43 Issue: 1 Pages: 1-26 DOI: 10.1016/j.apergo.2011.04.009 Published: JAN 2012  
Times Cited: 0 (from Web of Science)  
Full Text [View abstract]
2. Title: **Technology Adoption in Online Social Networks**  
Author(s): Peng Gang; Mu Jifeng  
Source: JOURNAL OF PRODUCT INNOVATION MANAGEMENT Volume: 28 Supplement: 1 Pages: 133-145 DOI:

## Web of Science<sup>SM</sup>

<< Back to previous results list

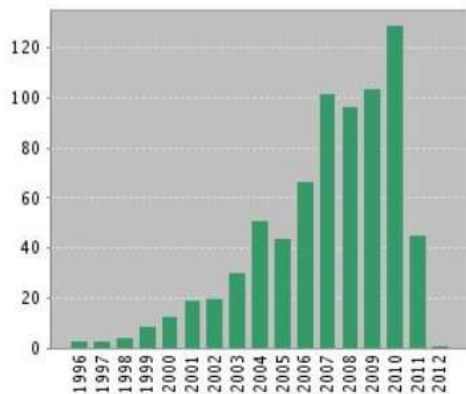
### Citation Report

Topic=("virtual Teams")

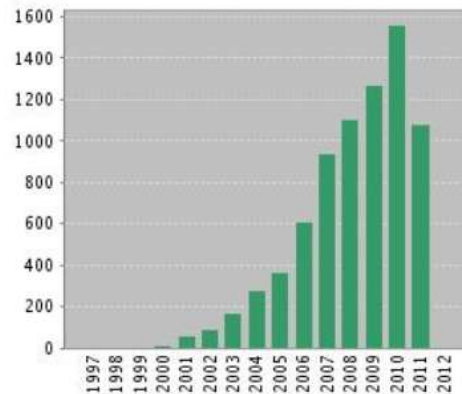
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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

Published Items in Each Year



Citations in Each Year



<b>Results found:</b>	<b>741</b>
<b>Sum of the Times Cited [?]:</b>	<b>7561</b>
<b>Sum of Times Cited without self-citations [?]:</b>	<b>4771</b>
<b>Citing Articles [?]:</b>	<b>3928</b>
<a href="#">View Citing Articles</a> <a href="#">View without self-citations</a>	
<b>Average Citations per Item [?]:</b>	<b>10.20</b>
<b>h-index [?]:</b>	<b>42</b>

Results: **741**

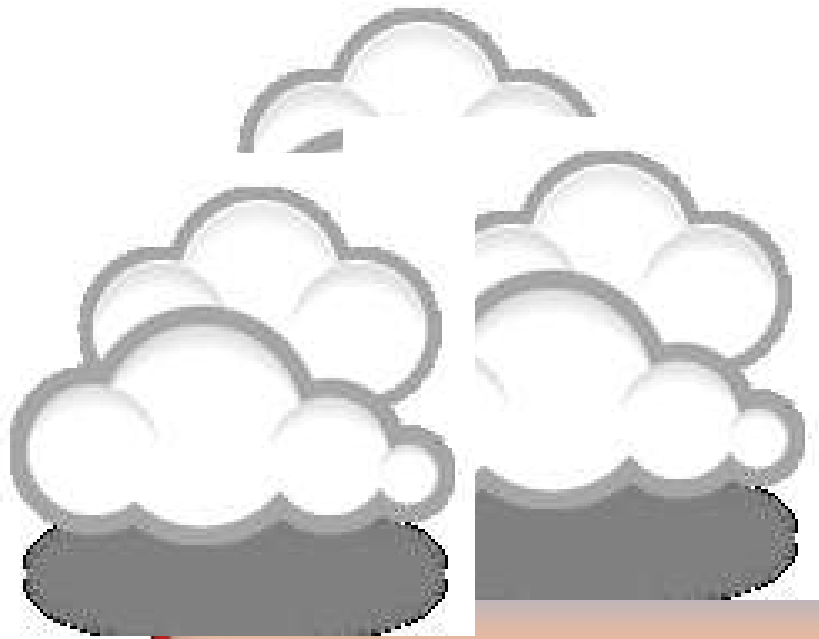
Page 1 of 75 Go

Sort by: Times Cited -- highest to lowest

2008 2009 2010 2011 2012 Total Average







Finding proper articles

# 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

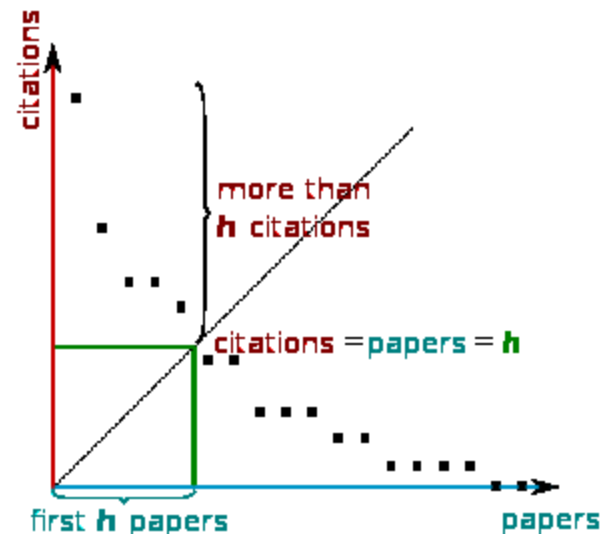
Coverage

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

**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 no more than  $h$  citations each.**

As an example, a researcher with an H-index of 15 has (of their total number of publications) 15 papers which have been cited at least 15 times each.

Researcher	A	Researcher	B
Paper rank	Citations	Paper rank	Citations
1	10	1	1348
2	8	2	159
3	6	3	50
4	5	4	4
5	4	5	4
6	0	6	3

**Neither researcher can have an H-index of more than 6.**

Source: <http://guides.is.uwa.edu.au/content.php?pid=372347&sid=3050052>

Table 2: Publication and citation list of scientist S1

Rank (squared) - Publications	Citations	Sum
1 (1) A	20	20
2 (4) B	10	30
3 (9) C	9	39
4 (16) D	8	47
5 (25) E	6	53
6 (36) F	6	59
7 (49) G	6	65
8 (64) H	5	70
9 (81) I	5	75

Source: [Rousseau, Ronald. "New developments related to the Hirsch index." \(2006\).](#)

# Publish or Perish

[Publish or Perish](#) is a free program that retrieves citations from Google Scholar and allows users to calculate:

- Total number of papers
- Total number of citations
- Average number of citations per paper
- Average number of citations per author
- Average number of papers per author
- Average number of citations per year
- Hirsch's h-index and related parameters
- The contemporary h-index
- The age-weighted citation rate
- Two variations of individual h-indices
- An analysis of the number of authors per paper

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

**Citation analysis**

- Author impact analysis
- Journal impact analysis
- General citation search
- Multi-query center
- Web Browser

**Program maintenance**

Check for updates

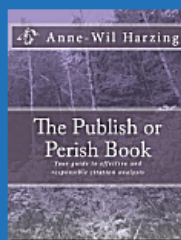
**Help resources**

- Help contents
- What's new?
- 2-Minute introduction
- Frequently Asked Questions
- Version information
- Publish or Perish home page
- The Publish or Perish Book

**Alexa customer review**

This is an excellent source for PhDs and junior scholars who are looking to forge links with other academics in the field to build their networks."

Open in browser...



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:

Exclude these names:

Year of publication between:  and:

- 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

NOTE: Subject area selection is currently non-functional


**Results**

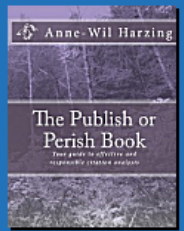
Papers:	419	Cites/paper:	141.05	h-index:	73	Lotfi A. Zadeh: all
Citations:	59102	Cites/author:	52828.21	g-index:	242	Query date: 2013-01-07
Years:	238	Papers/author:	317.81	hc-index:	42	Papers: 419
Cites/year:	248.33	Authors/paper:	1.91	hI,norm:	69	Citations: 59102
						Years: 238

Copy results  
Copy >  
Check all  
Check selection  
Uncheck all  
Uncheck 0 cites  
Uncheck selection  
Help

Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher
<input checked="" type="checkbox"/>	13522	329.80	1	LA Zadeh	1973	Systems, Man and Cybernet...	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	7254	186.00	14	LA Zadeh	1975	Information sciences	Elsevier
<input checked="" type="checkbox"/>	4826	109.68	17	RE Bellman, LA Z...	1970	Management science	mansci.journal.informs.org
<input checked="" type="checkbox"/>	1695	94.17	2	LA Zadeh	1996	Fuzzy Systems, IEEE Transa...	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	1638	38.09	3	LA Zadeh	1971	Information sciences	Elsevier
<input checked="" type="checkbox"/>	1533	33.33	4	LA Zadeh	1968	Journal of mathematical ana...	www-bisc.cs.berkeley.edu
<input checked="" type="checkbox"/>	1455	28.53	29	LA Zadeh, CA De...	1963	Linear System Theory:{The} State Space Approach	citeulike.org
<input checked="" type="checkbox"/>	1411	83.00	5	LA Zadeh	1997	Fuzzy sets and systems	Elsevier
<input checked="" type="checkbox"/>	1255	40.48	6	LA Zadeh	1983	Computers & Mathematics w...	Elsevier
<input checked="" type="checkbox"/>	1245	33.65	32	LA Zadeh	1977	A Theory of Approximate Reasoning (AR).	Electronics Research Labora...
<input checked="" type="checkbox"/>	1144	29.33	7	LA Zadeh	1975	Synthese	Springer
<input checked="" type="checkbox"/>	1143	43.96	33	LA Zadeh	1988	Computer	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	1123	28.79	8	LA Zadeh	1975	Information sciences	Elsevier
<input checked="" type="checkbox"/>	1029	26.38	9	LA Zadeh	1975	Information science	ci.nii.ac.jp
<input checked="" type="checkbox"/>	937	46.85	10	LA Zadeh	1994	Fuzzy logic, neural networks, and soft computing	dl.acm.org
<input checked="" type="checkbox"/>	858	27.68	40	LA Zadeh	1983	Fuzzy sets and Systems	Elsevier
<input checked="" type="checkbox"/>	705	16.79	11	LA Zadeh	1972	A fuzzy-set-theoretic interpretation of linguistic hedges	Taylor & Francis
<input checked="" type="checkbox"/>	618	68.67	12	LA Zadeh	2005	Information sciences	Elsevier
<input checked="" type="checkbox"/>	588	16.33	45	LA Zadeh	1978	PRUF—a meaning representation language for natur...	International Journal of Man...
<input checked="" type="checkbox"/>	575	71.88	13	I Guyon, S Gunn, ...	2006	Feature extraction: foundations and applications	books.google.com
<input checked="" type="checkbox"/>	465	23.25	15	LA Zadeh	1994	Soft computing and fuzzy logic	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	420	6.56	53	LA Zadeh	1950	Frequency analysis of variable networks	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	407	9.47	16	LA Zadeh	1971	Information sciences	Elsevier

- ▼ 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

**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...](#)



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:

Year of publication between:  and:

- 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
  - Title words only
- NOTE: Subject area selection is currently non-functional

Lookup  
 Lookup Direct  
 Help

Results

Papers:	1000	Cites/paper:	151.56	h-index:	130
Citations:	151557	Cites/author:	122177.09	g-index:	370
Years:	42	Papers/author:	562.97	hc-index:	56
Cites/year:	3608.50	Authors/paper:	2.24	hI,norm:	97

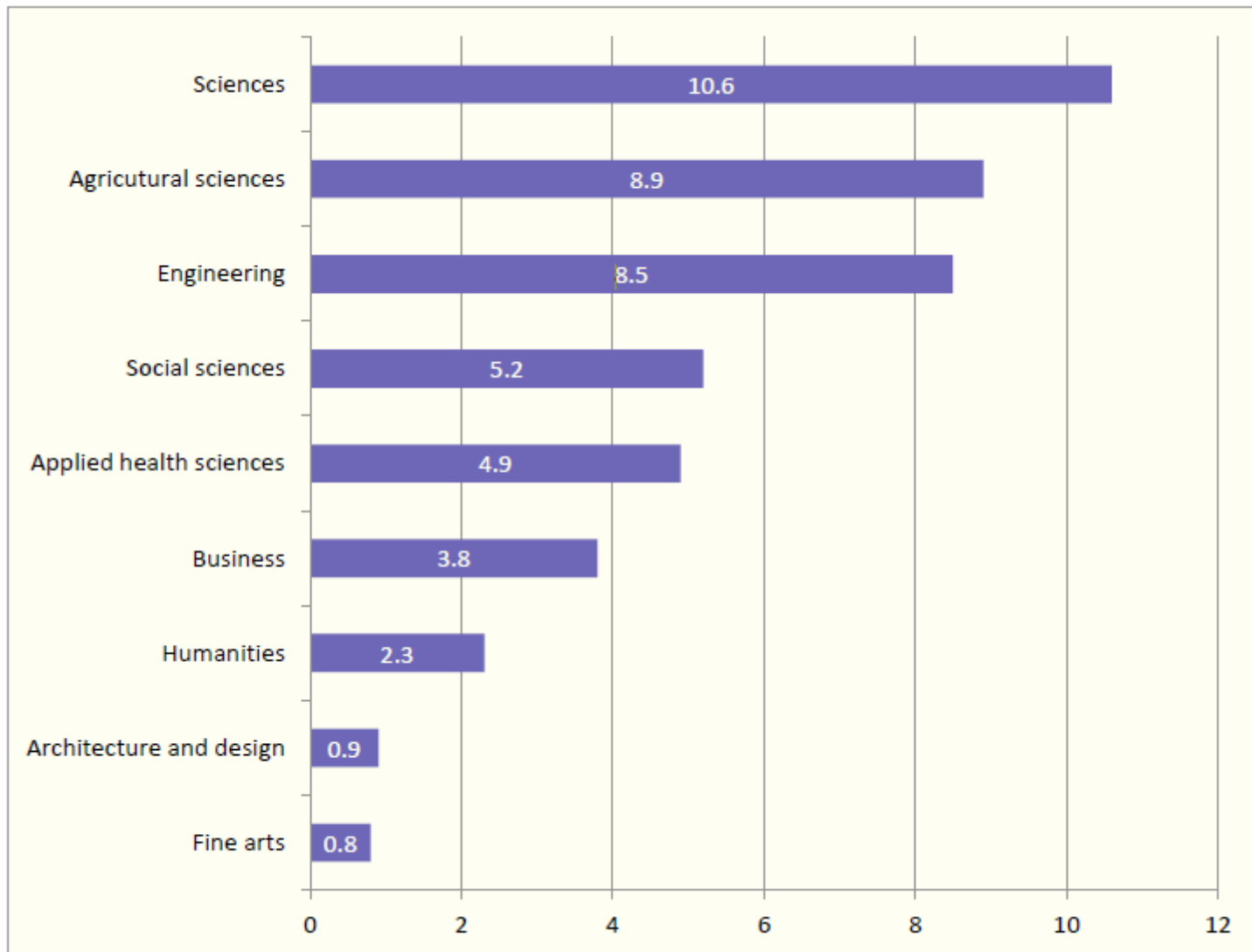
analysis of complex systems and decision processes: all  
 Query date: 2013-01-07  
 Papers: 1000  
 Citations: 151557  
 Years: 42

Copy results  
 Copy >  
 Check all  
 Check selection  
 Uncheck all  
 Uncheck 0 cites  
 Uncheck selection  
 Help

Cites	Per year	Rank	Authors	Title	Year	Publication	Publisher
<input checked="" type="checkbox"/>	39481	4386.78	4	L Zadeh	2005	Logic, Thought and Action	Springer
<input checked="" type="checkbox"/>	13522	329.80	1	LA Zadeh	1973	Systems, Man and Cybernet...	ieeexplore.ieee.
<input checked="" type="checkbox"/>	7254	186.00	8	LA Zadeh	1975	Information sciences	Elsevier
<input checked="" type="checkbox"/>	6829	325.19	127	JSR Jang	1993	Systems, Man and Cybernet...	ieeexplore.ieee.
<input checked="" type="checkbox"/>	6178	181.71	111	D DuBois, HM Prade	1980	Fuzzy sets and systems: theory and applications	books.google.cc
<input checked="" type="checkbox"/>	3520	90.26	12	EH Mamdani, S Assil...	1975	International journal of man...	Elsevier
<input checked="" type="checkbox"/>	3162	632.40	811	TJ Ross	2009	Fuzzy logic with engineering applications	books.google.cc
<input checked="" type="checkbox"/>	2838	70.95	9	EH Mamdani	1974	... Engineers, Proceedings o...	ieeexplore.ieee.
<input checked="" type="checkbox"/>	1695	94.17	271	LA Zadeh	1996	Fuzzy Systems, IEEE Transa...	ieeexplore.ieee.
<input checked="" type="checkbox"/>	1535	80.79	345	JSR Jang, CT Sun	1995	Proceedings of the IEEE	ieeexplore.ieee.
<input checked="" type="checkbox"/>	1143	43.96	166	LA Zadeh	1988	Computer	ieeexplore.ieee.
<input checked="" type="checkbox"/>	891	38.74	424	S Keshav	1991	A control-theoretic approach to flow control	dl.acm.org
<input checked="" type="checkbox"/>	858	27.68	30	LA Zadeh	1983	Fuzzy sets and Systems	Elsevier
<input checked="" type="checkbox"/>	820	23.43	58	TJ Procyk, EH Mam...	1979	Automatica	Elsevier
<input checked="" type="checkbox"/>	774	48.38	132	S Loncaric	1998	Pattern recognition	Elsevier
<input checked="" type="checkbox"/>	767	36.52	14	JSR Jang, CT Sun	1993	Neural Networks, IEEE Tran...	ieeexplore.ieee.
<input checked="" type="checkbox"/>	762	26.28	26	M Sugeno	1985	Information sciences	Elsevier
<input checked="" type="checkbox"/>	639	16.82	7	HJ Zimmermann	1976	Description and optimization of fuzzy systems	Taylor & Francis
<input checked="" type="checkbox"/>	618	68.67	84	LA Zadeh	2005	Information sciences	Elsevier



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



[Source: Making Research Count: Analyzing Canadian Academic Publishing Cultures](#)



Advanced Search

Co-author (375)

- Ion Stoica
- Deborah Estrin
- Sylvia Ratnasamy
- Ramesh Govindan
- Lee Breslau

Academic > Author > Scott J. Shenker

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**Scott J. Shenker** University of California Berkeley

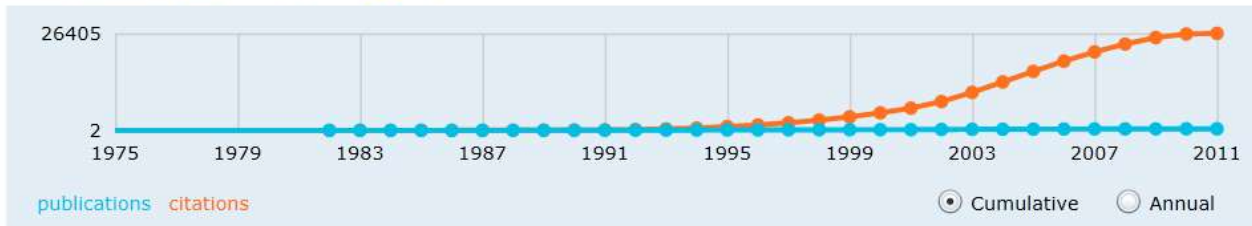
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Publications: 479 | Citations: 34942 | G-Index: 183 | H-Index: 87

Interests: Networks & Communications, Distributed & Parallel Computing, Operating Systems

Collaborated with 375 co-authors from 1982 to 2010; Cited by 22343 authors

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Conference (41)

- SIGCOMM
- INFOCOM
- NSDI
- IPTPS
- PODC

Publication (479)

BibTeX

Order by: Year

[Delay scheduling: a simple technique for achieving locality and fairness in cluster scheduling](#) (Citations: 3)

View...

Matei Zaharia, Dhruba Borthakur, Joydeep Sen Sarma, Khaled Elmeleegy, **Scott Shenker**, Ion Stoica

Conference: EuroSys - EUROSYS, pp. 265-278, 2010

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Result: Scott J. Shenker, University of Cal...

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Burkhard Stiller

Klara Nahrstedt

Ralf Steinmetz

Peter Druschel

Andrew Campbell

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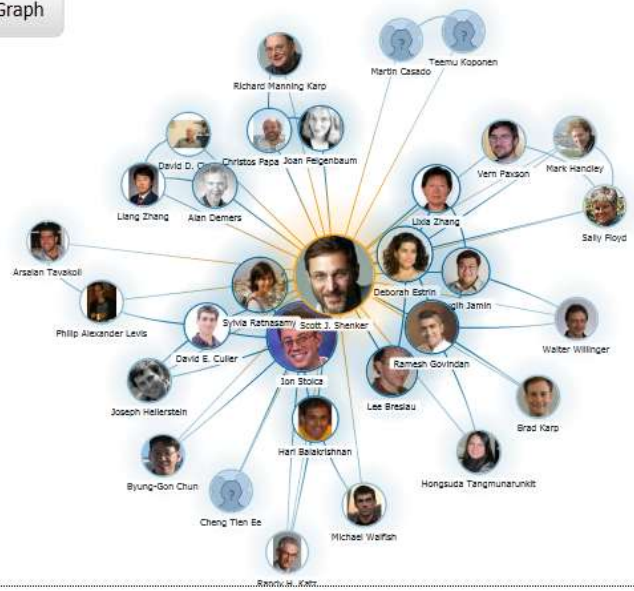
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Scott J. Shenker

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Result

Scott J. Shenker  
University of Cal...



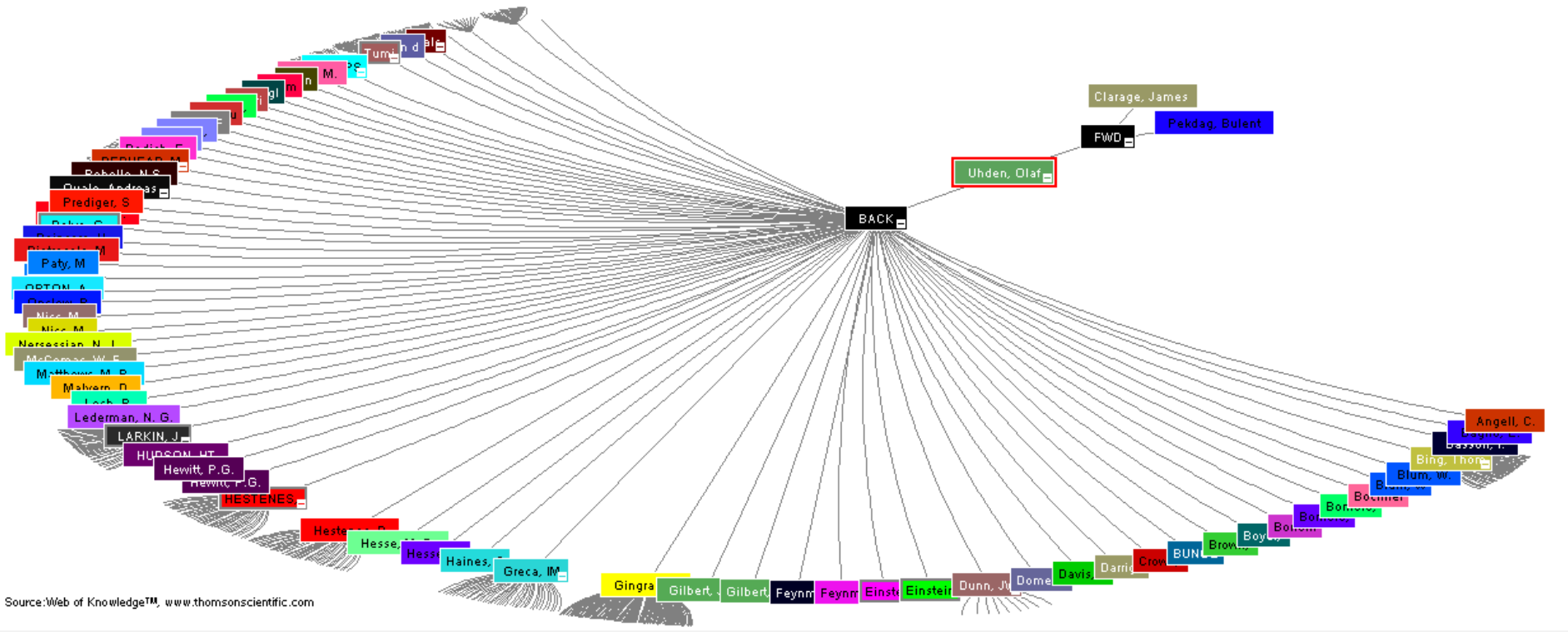
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- Web of Science® is perhaps the most well-known tool for determining the number of times a publication has been cited.
- Web of Science® is made up of three citation indexes owned by Thomson Scientific:
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  - Social Sciences Citation Index ®
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Source: <http://guides.library.vu.edu.au/content.php?pid=251876&sid=2079929>

Manage Edit... Appearance Print... 1980 2005 2012 2014 <1980> >2014> Re-create Map



Source: Web of Knowledge™. www.thomsonscientific.com

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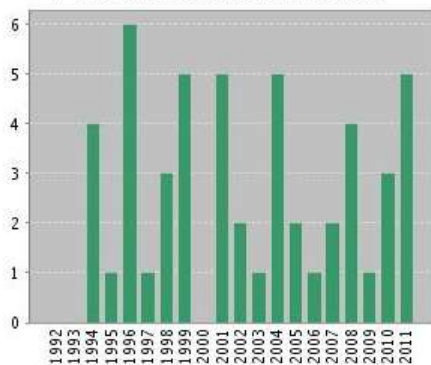
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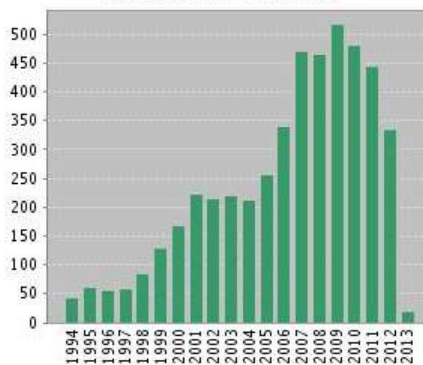
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**Results found: 75**  
**Sum of the Times Cited [?]: 5187**  
**Sum of Times Cited without self-citations [?]: 5114**  
**Citing Articles [?]: 4159**  
**Citing Articles without self-citations [?]: 4130**  
**Average Citations per Item [?]: 69.16**  
**h-index [?]: 26**

Results: **75**

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Write a paper/journal quality  
&

Do an effective literature search



# Paper/journal quality

- 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.

# Web application to calculate the single publication h index



## Web application to calculate the single publication *h* index (and further metrics) based on Google Scholar

by [Andreas Thor](#) (University of Leipzig, Germany) and [Lutz Bornmann](#) (Max Planck Society, Germany)

- 1 Search Google Scholar
- 2 Select **one** publication (you may additionally select duplicates)

virtual teams: a literature review

Search result for *virtual teams: a literature review*

<input type="checkbox"/>	title	authors	year	citatio...
<input checked="" type="checkbox"/>	Virtual teams: a literature review	N Ale Ebrahim, S Ahmed, ...	2009	61
<input type="checkbox"/>	Virtual teams: a review of current literature and directions for future research	A Powell, G Piccoli, B Ives	2004	862
<input type="checkbox"/>	How do virtual teams process information? A literature review and implications f...	PL Curseu, R Schalk, I W...	2008	54
<input type="checkbox"/>	A typology of virtual teams implications for effective leadership	BS Bell, SWJ Kozlowski	2002	685
<input type="checkbox"/>	Implementing virtual teamworking. Part 1: a literature review of best practice	J Bal, PK Teo	2000	45
<input type="checkbox"/>	Managing virtual teams: A review of current empirical research	G Hertel, S Geister, U Kon...	2005	447
<input type="checkbox"/>	Virtual R&D teams in small and medium enterprises: A literature review	N Ale Ebrahim, S Ahmed, ...	2009	55
<input type="checkbox"/>	Bridging space over time: Global virtual team dynamics and effectiveness	ML Maznevski, KM Chudo...	2000	1211
<input type="checkbox"/>	Leadership in research and development organizations: A literature review and	T Elkina, DT Keller	2002	407

The single publication h index has been introduced by Schubert (2009) as the h-index calculated from the list of citing publications of one single publication.

Source: <http://labs.dbs.uni-leipzig.de/gsh/>

# For More Info.

## How to do an Effective Literature Search?

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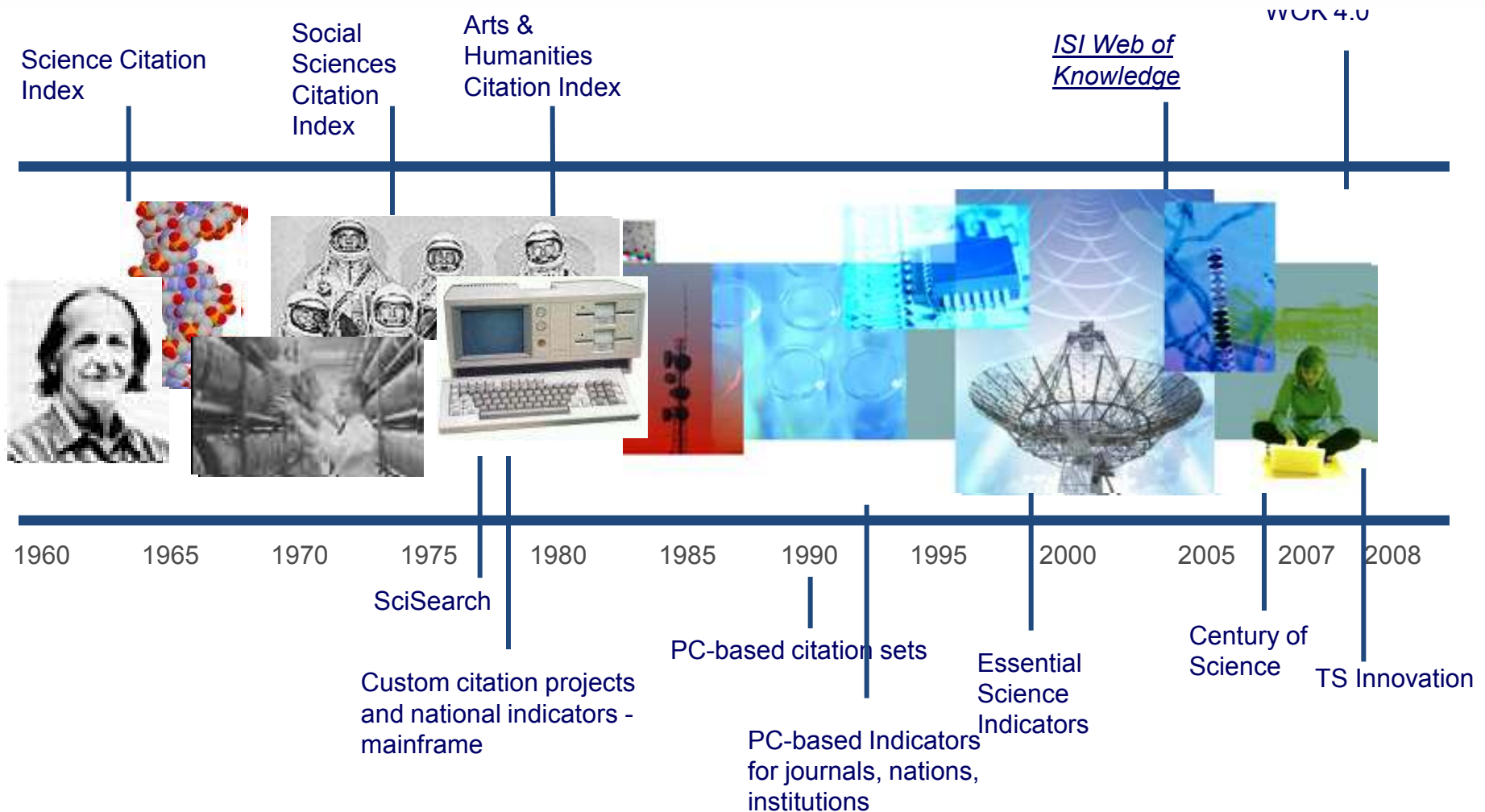


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# The Institute for Scientific Information (ISI)

- 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.

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



# Eugene Garfield, Ph.D.



Founder & Chairman Emeritus  
Institute for Scientific Information (ISI)

[For more Info](#)

# 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.

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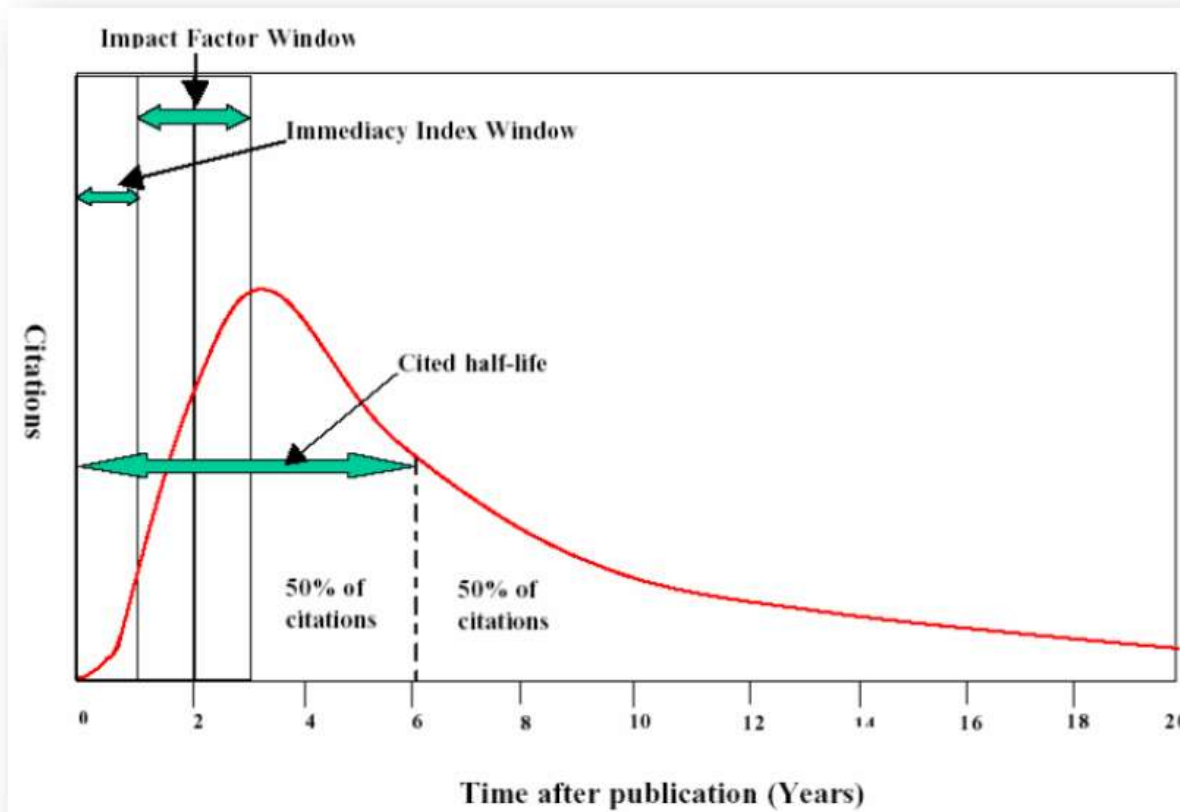
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*Web of Knowledge* is today's  
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information in the sciences,  
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# Impact Factor

- 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



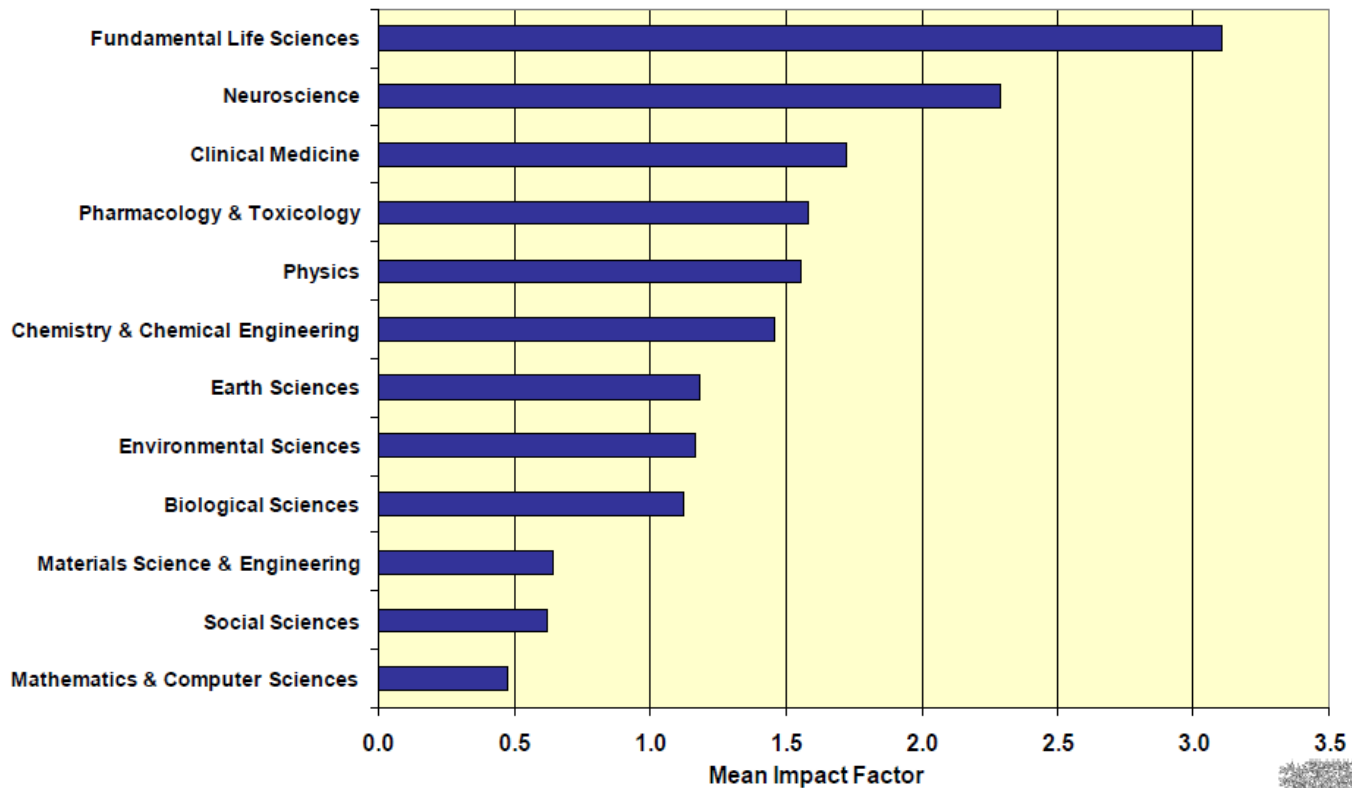
# Impact Factor and other bibliometric parameters



# 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



# 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”.

## INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH Impact Factor in 2012

<b>Cites in 2012 to items published in:</b>	<b>2011 = 390</b>	<b>Number of items published in:</b>	<b>2011 = 365</b>
	<b>2010 = 667</b>		<b>2010 = 359</b>
	<b>Sum: 1057</b>		<b>Sum: 724</b>

**Calculation:**     $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{1057}{724} = 1.460$

**Journal: INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH**

Mark	Journal Title	ISSN	Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Citable Items	Cited Half-life	Citing Half-life
<input type="checkbox"/>	<a href="#">INT J PROD RES</a>	0020-7543	7730	<a href="#">1.460</a>	<a href="#">1.733</a>	<a href="#">0.040</a>	478	<a href="#">8.0</a>	<a href="#">9.8</a>

[Cited Journal](#) [Citing Journal](#) [Source Data](#) [Journal Self Cites](#)

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[CITING JOURNAL DATA](#)
[IMPACT FACTOR TREND](#)
[RELATED JOURNALS](#)

**Journal Information**

**Full Journal Title:** INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH  
**ISO Abbrev. Title:** Int. J. Prod. Res.  
**JCR Abbrev. Title:** INT J PROD RES  
**ISSN:** 0020-7543  
**Issues/Year:** 24  
**Language:** MULTI-LANGUAGE  
**Journal Country/Territory:** ENGLAND  
**Publisher:** TAYLOR & FRANCIS LTD  
**Publisher Address:** 4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND

**Eigenfactor<sup>®</sup> Metrics**  
**Eigenfactor<sup>®</sup> Score**  
 0.01149  
**Article Influence<sup>®</sup> Score**  
 0.395

**Subject Categories:** ENGINEERING, INDUSTRIAL [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)  
 ENGINEERING, MANUFACTURING [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)  
 OPERATIONS RESEARCH & MANAGEMENT SCIENCE [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)

**Journal Rank in Categories:** [JOURNAL RANKING](#)

# Impact Factor Trend Graph

ISI Web of Knowledge<sup>SM</sup>

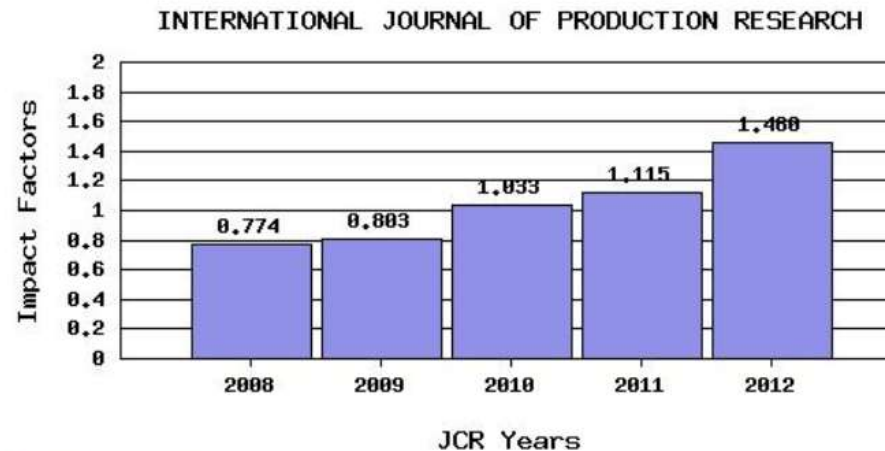
Journal Citation Reports<sup>®</sup>



2012 JCR Science Edition

## Impact Factor Trend Graph: INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH

Click on the "Return to Journal" button to view the full journal information.



*\*Impact Factor -- see below for calculations*

The journal impact factor is a measure of the frequency with which the "average article" in a journal has been cited in a particular year. The impact factor will help you evaluate a journal's relative importance, especially when you compare it to others in the same field. For more



# Journal Rank in Categories

## Journal Ranking

For **2012**, the journal **INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH** has an Impact Factor of **1.460**.

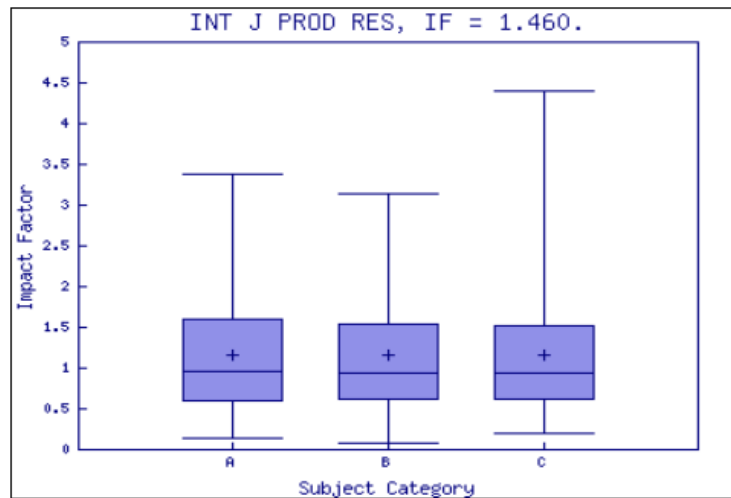
This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
ENGINEERING, INDUSTRIAL	44	17	Q2
ENGINEERING, MANUFACTURING	39	11	Q2
OPERATIONS RESEARCH & MANAGEMENT SCIENCE	79	22	Q2

## Category Box Plot

For **2012**, the journal **INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH** has an Impact Factor of **1.460**.

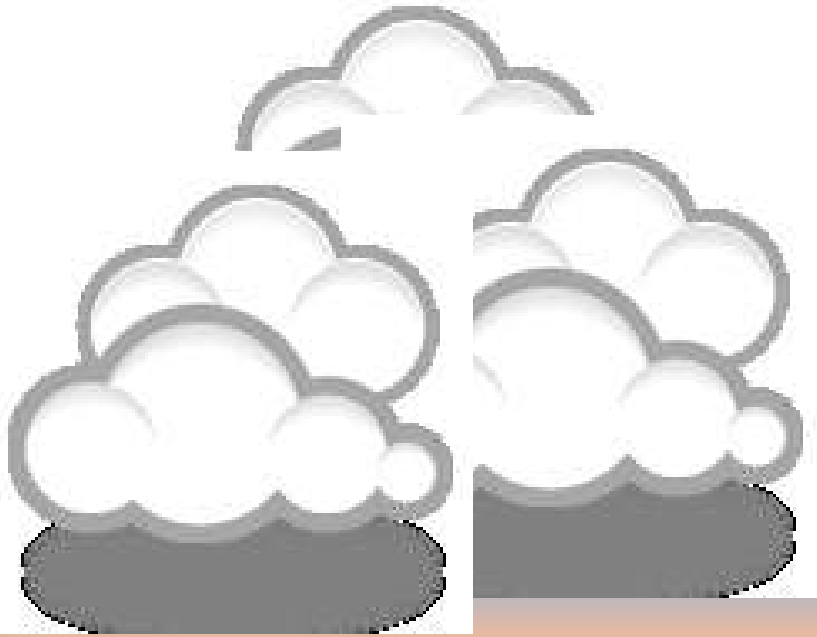
This is a box plot of the subject category or categories to which the journal has been assigned. It provides information about the distribution of journals based on Impact Factor values. It percentiles, and the extreme values of the distribution.



### Key

- A - ENGINEERING, INDUSTRIAL
- B - ENGINEERING, MANUFACTURING
- C - OPERATIONS RESEARCH & MANAGEMENT SCIENCE



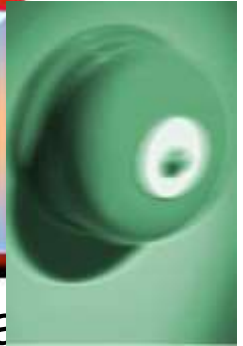


Keeping up-to-date (Alert system)

# 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.

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# Keeping up-to-date

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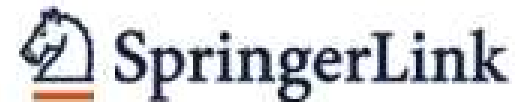
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[AllConferencealerts.com](http://AllConferencealerts.com) - Conference call for research papers

**Economics Conference Directory**  
conference seminar workshop

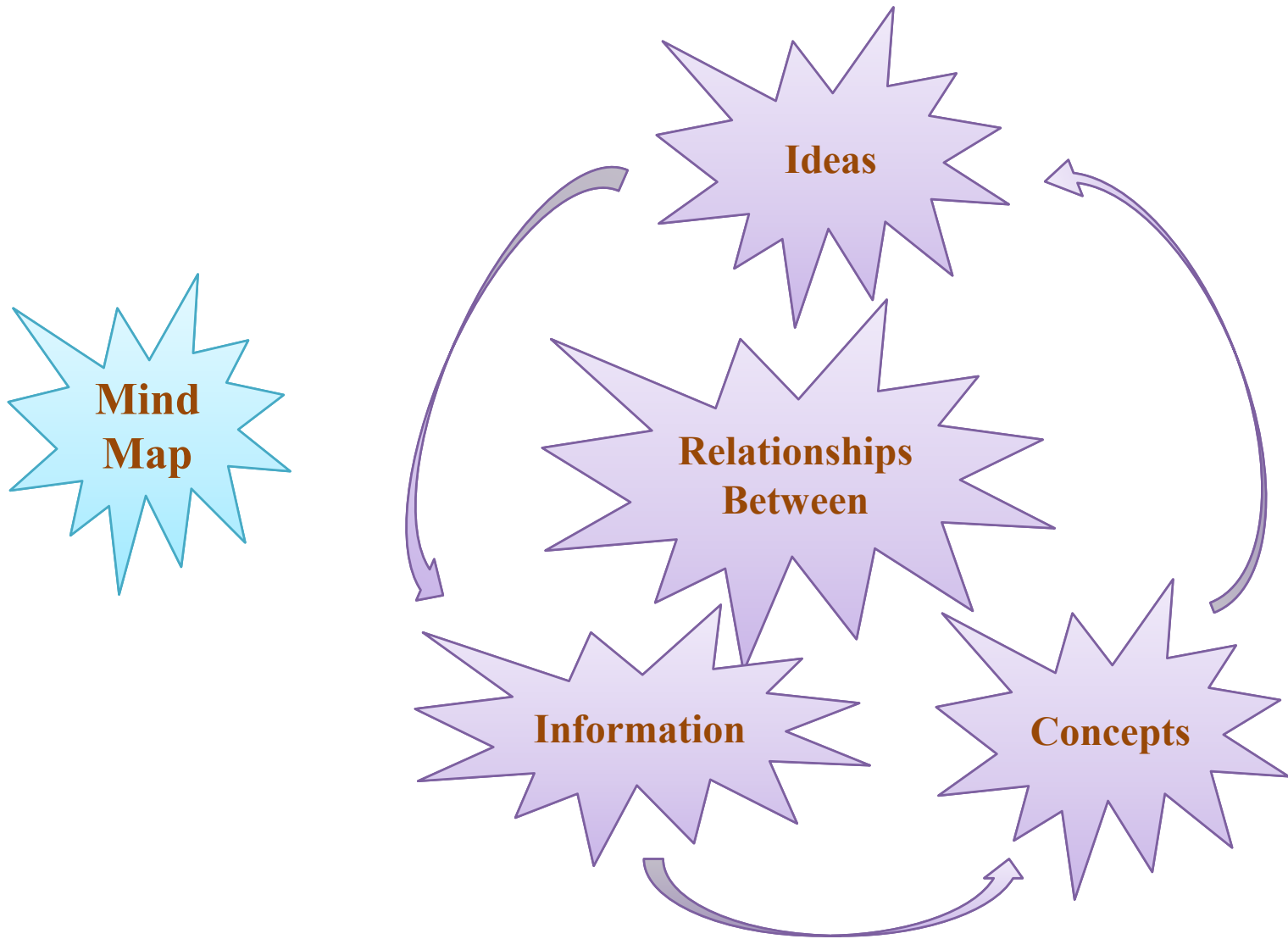
IEEE [Conference Alerts](#) An Introduction to The Effective Use of "Research Tools Box" and Resources ©2013 By: Nader Ale Ebrahim







# Mind mapping tools



Source: [Mind Map Tools, By: Seyyed Ali Fattahi Computer PhD Candidate FTSM UKM](#)

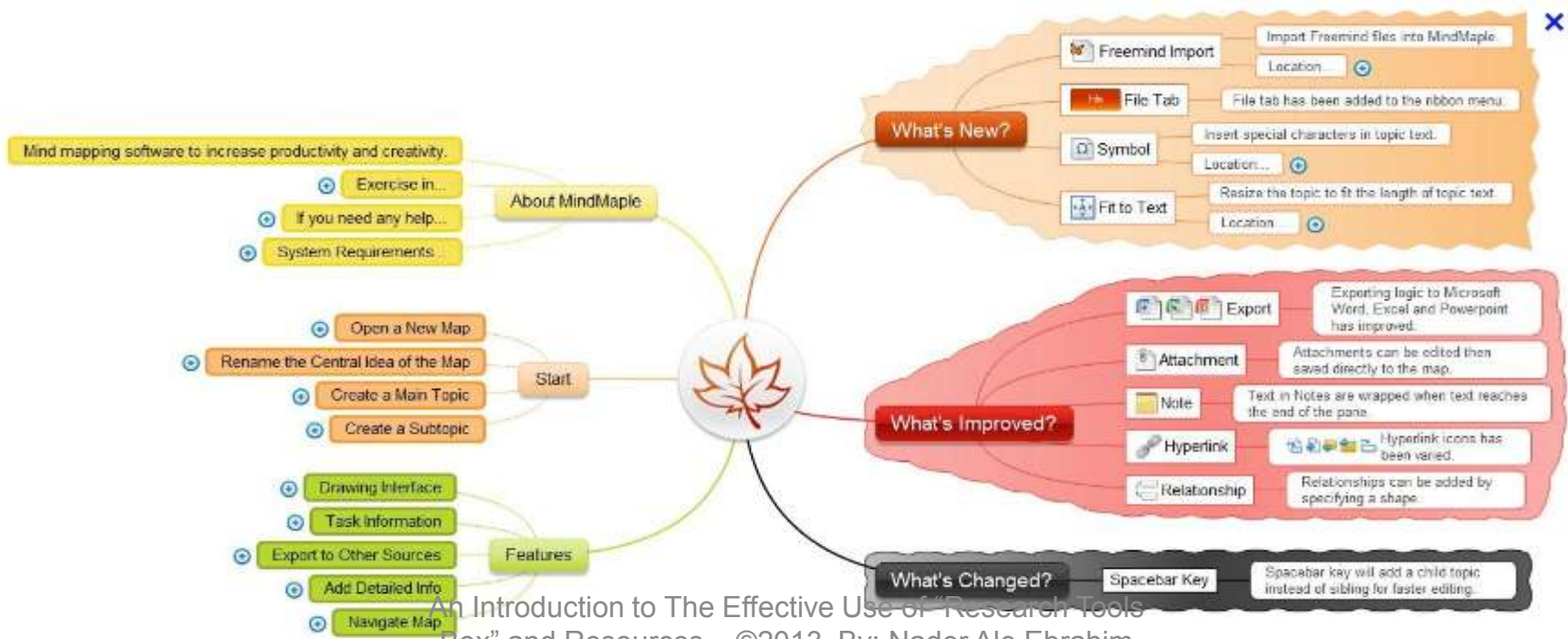
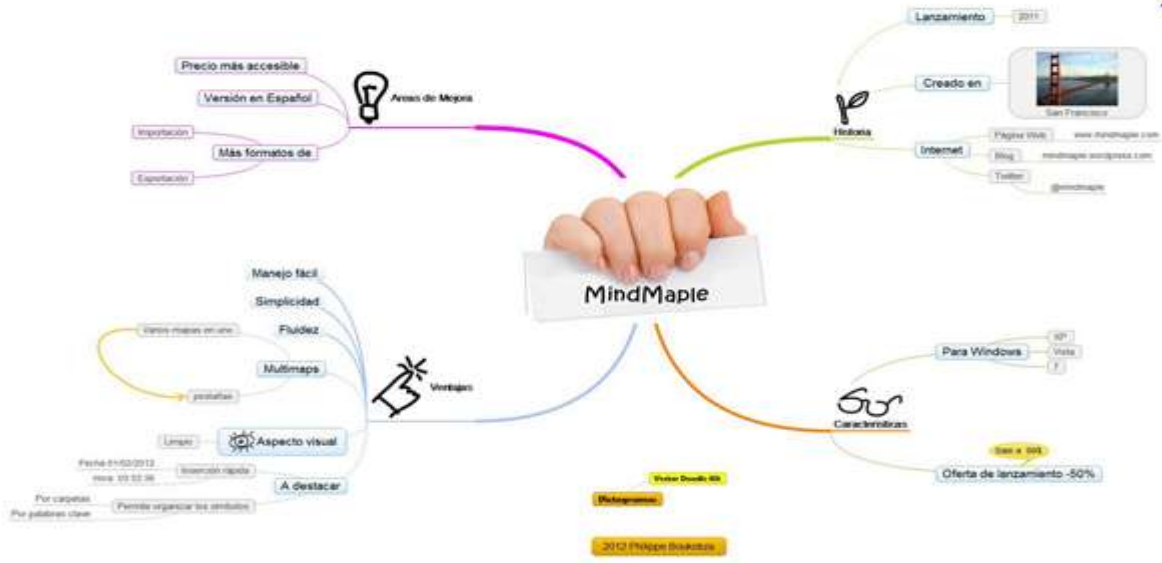
# Mind Map Tools



TEXT  MINDMAP



Source: [Mind Map Tools](#), By: Seyyed Ali Fattahi Computer PhD Candidate FTSM UKM



# Example: MinDomo



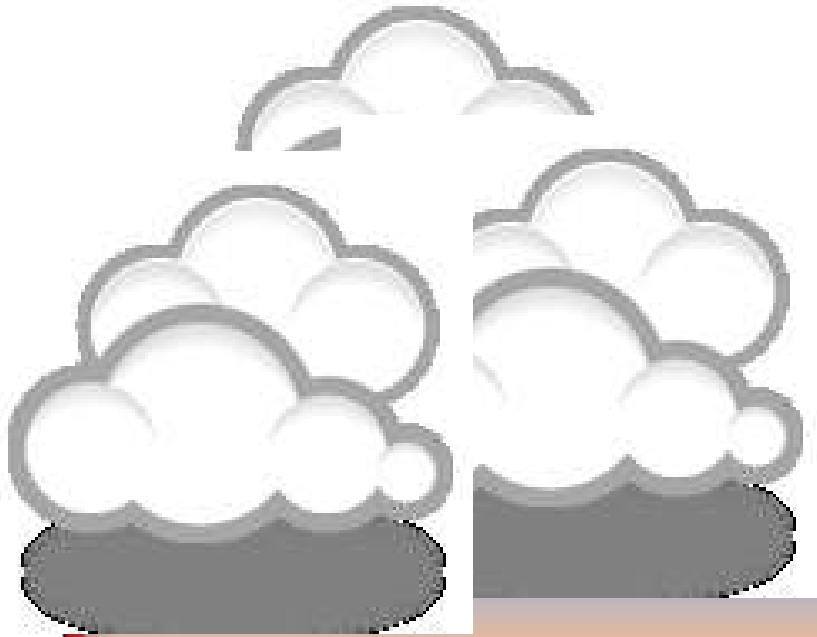
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Success! Read more -->



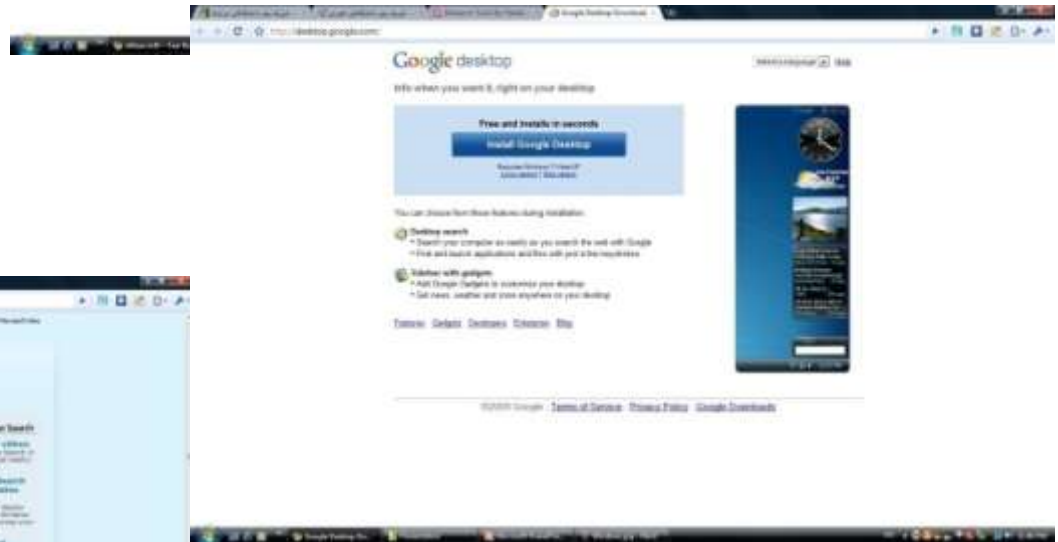
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# dtSearch Google Desktop Windows Search



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<-->	Name	Score	Hits	Location	Date	Size	Index	
1	Handbook of New Product.pdf	100%	5,573	E:\UM\Thesis\Literature Review\Link 2009	2008/10/10	2,538,400	Link 2009	075068552
2	DBA Thesis.pdf	78%	3,020	E:\UM\Thesis\Literature Review\Link 2009	2009/02/03	2,662,734	Link 2009	Microsoft V
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4	Process implications.pdf	52%	918	E:\UM\Thesis\Literature Review\Link 2009	2009/02/03	186,624	Link 2009	doi:10.1016
5	Teaching and Learning With Virtual Teams_1591407087.pdf	50%	2,587	E:\UM\Thesis\Literature Review\Link 2009	2009/02/23	2,825,610	Link 2009	Teaching a
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2 / 14 133% Sign Find

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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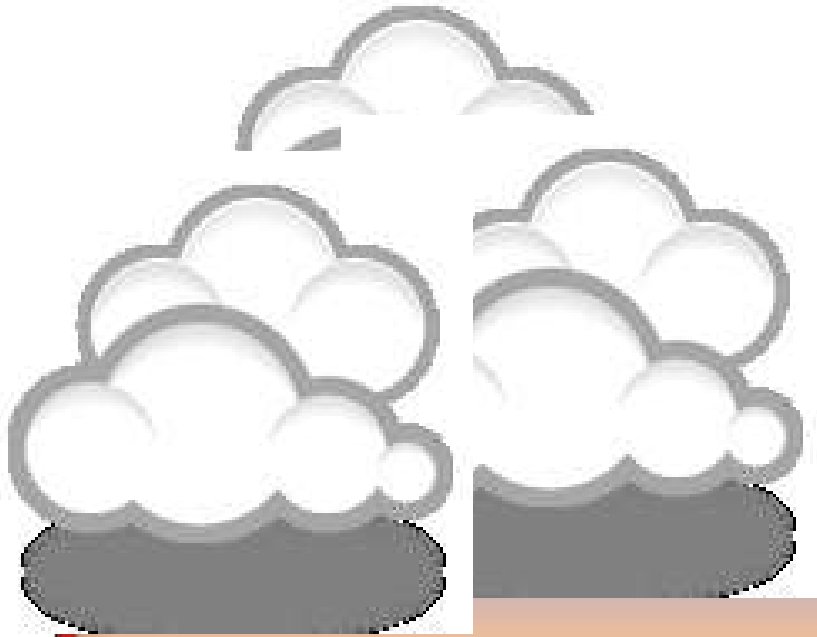
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### **[Page 1 Paragraph 27]**

a standard form on which facts, comments

and attitudes can be recorded, and facilitate data processing.

This new edition of **Questionnaire Design** explains the role of questionnaires in market research, and looks at different types of questionnaire and when and how they



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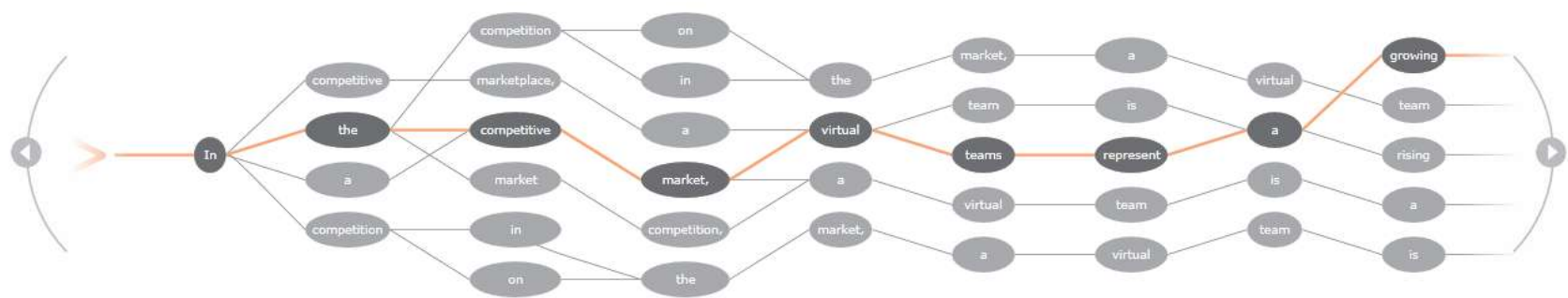
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In the competitive market, virtual teams represent a growing response to the need for fast time-to-market, low-cost and rapid solutions to complex organizational

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clear suggestions

- In the competitive market, virtual teams represent a growing response to the need for fast time-to-market, low-cost and rapid solutions to complex organizational
- In the competition on the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In a competitive market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In the competition in the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues
- In the competition on the market, a virtual team is a rising in response to the need to fast time to market, cost effective and quickly solve complex organizational issues
- In a competitive market, a virtual team is a rising in response to the need to fast time to market, cost effective and quickly solve complex organizational issues
- In competition in the market, a virtual team is a rising in response to the need to fast time to market, cost effective and fast resolution of complex organizational issues



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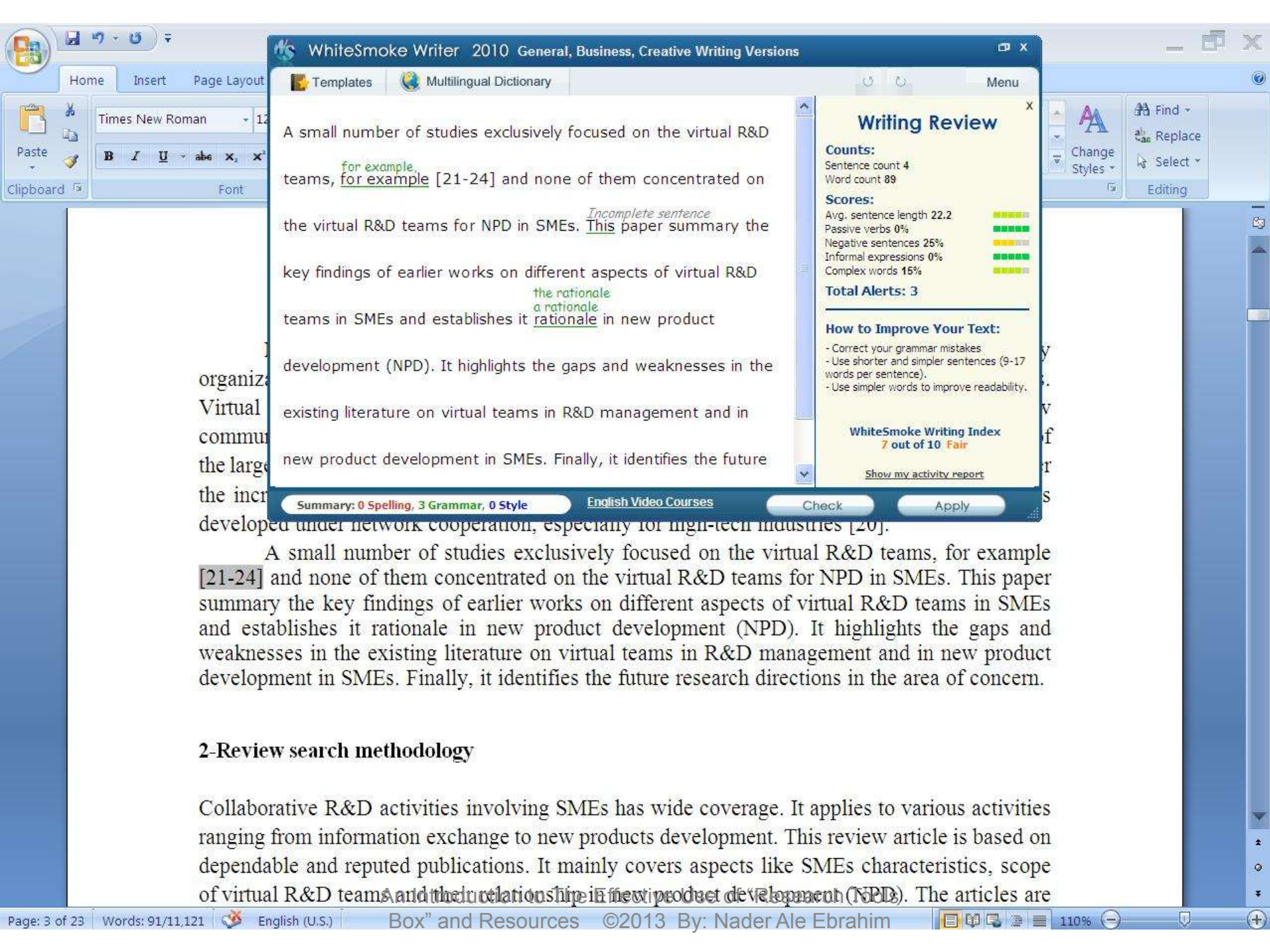
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A small number of studies exclusively focused on the virtual R&D teams, *for example*, for example [21-24] and none of them concentrated on the virtual R&D teams for NPDP in SMEs. *Incomplete sentence* This paper summary the key findings of earlier works on different aspects of virtual R&D teams in SMEs and establishes it *the rationale* a rationale rationale in new product development (NPDP). 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

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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 NPDP 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 (NPDP). 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 the relationship in new product development (NPDP). The articles are



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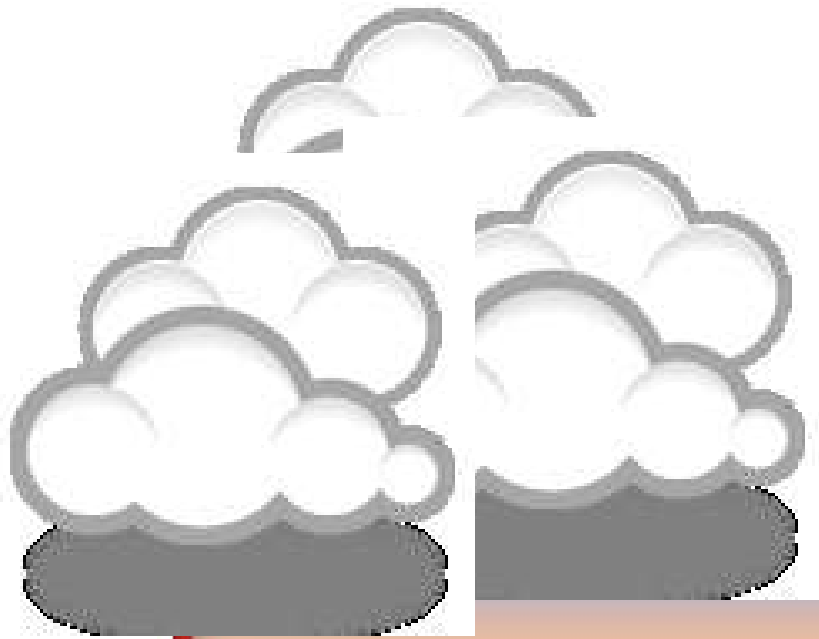


Approve

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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## Objective Structured Clinical Examination: An optimized evaluation method

### Commentary

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Posted by [PLOS\\_ONE\\_Group](#) on 05 Sep 2013 at 16:33 GMT

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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 USA 104: 2602–2607.

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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 USA 104: 2602–2607.

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Synthesis and Reactivity in Iron  
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DOI: 10.1089/15537174.2012.680131

## Electrochemical Study of Structural Effects in Complexation of Nano-baskets: Calix[4]-1,2-crown-3, -crown-4, -crown-5, -crown-6

Bahram Mokhtari and Kohra Pourabolian

Razi Chemistry Research Center (RCRC), Shahrooz Branch, Islamic Azad University, Shahrooz, I. R. Iran

Eight nano-baskets of calix[4]arene-1,2-crown-3, -crown-4, -crown-5, -crown-6 were synthesized and their binding abilities towards alkali and alkaline earth metals as well as some lanthanides were studied using differential pulse voltammetry. The novelty of this study was investigation of these macrocyclic complexes by voltammetric behaviors of two acidic moieties in each scaffold during complexation of crown ether ring. The results revealed that by increasing the binding ability of macrocycle amid carbon, the anodic oxidation peak of carboxylic acids was decreased. Moreover, the

calix[4]arene-1,2-crown-3, -crown-4, -crown-5, -crown-6 complexes with calix[4]arene increases the cation binding ability of the parent calixarene, and control of the selectivity is obtained through modulation of the crown ether size. Attachment of proton-recognizable groups to calixarenes can further improve their extraction properties because the ionized group not only participates in metal ion coordination, but also eliminates the need to transfer aqueous phase anions into the organic phase. Ungard et al.<sup>[1]</sup> reported the first di-proton-recognizable calix[4]crown-5 in

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Hospital das Clinicas da Faculdade de Medicina da Universidade de Sao  
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**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

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### Abstract

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*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.

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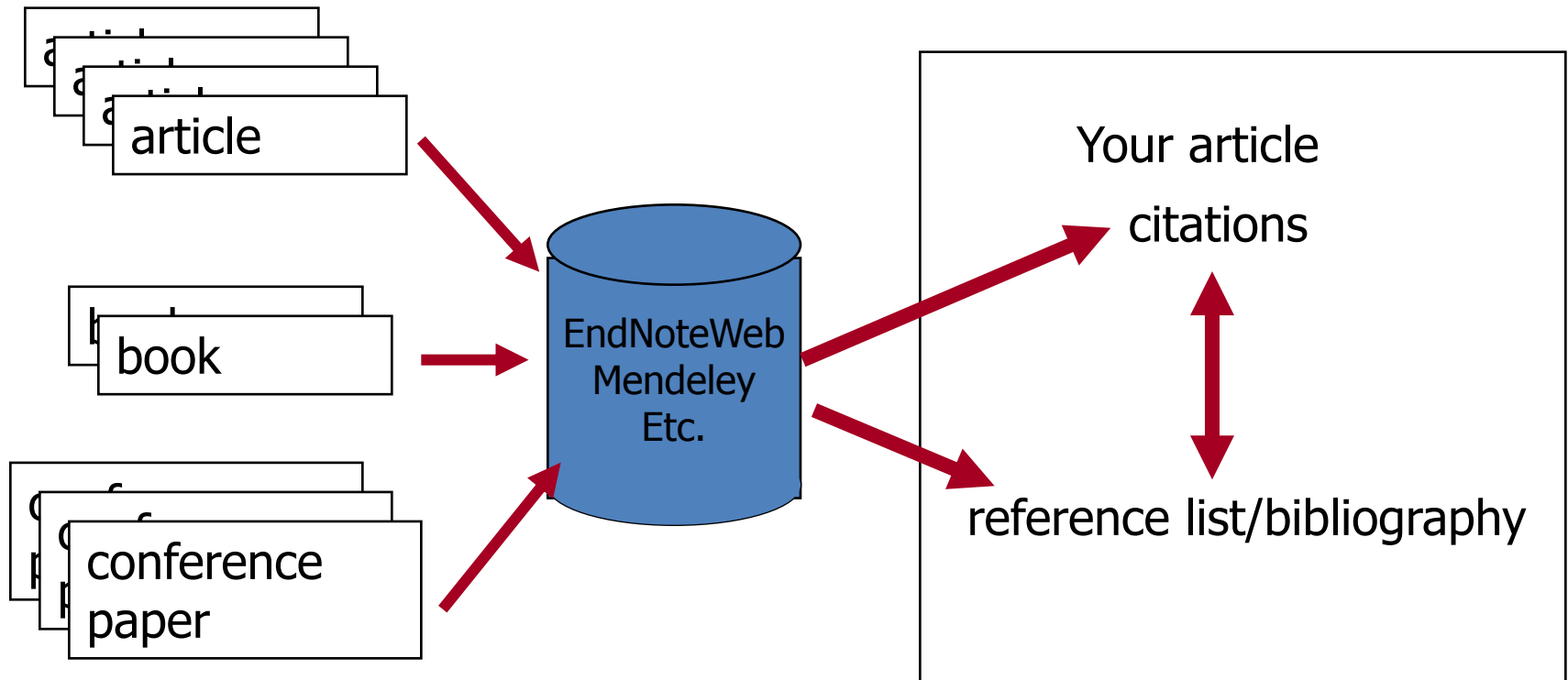
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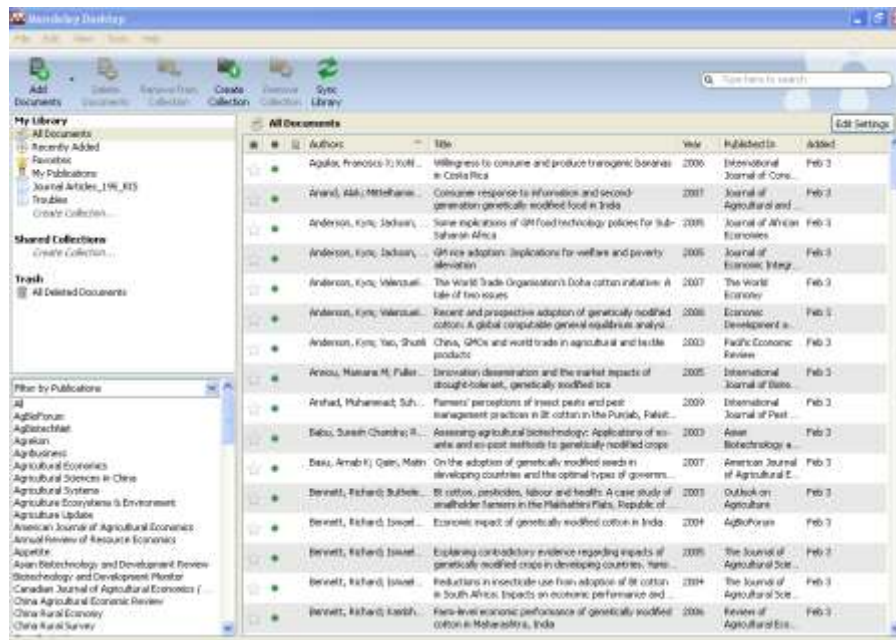
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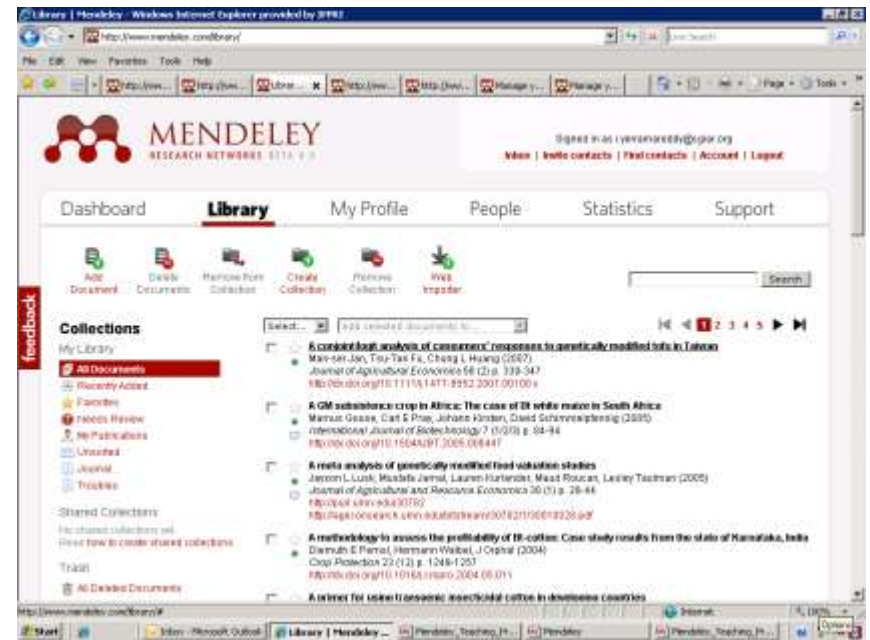
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Small and medium enterprises (SMEs) are the driving engine behind economic growth [1].

## 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.

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### **A definition**

An abstract is a succinct summary of a longer piece of work, usually academic in nature, which is published in isolation from the main text and should therefore stand on its own and be understandable without reference to the longer piece. It should report the latter's essential facts, and should not exaggerate or contain material that is not there.

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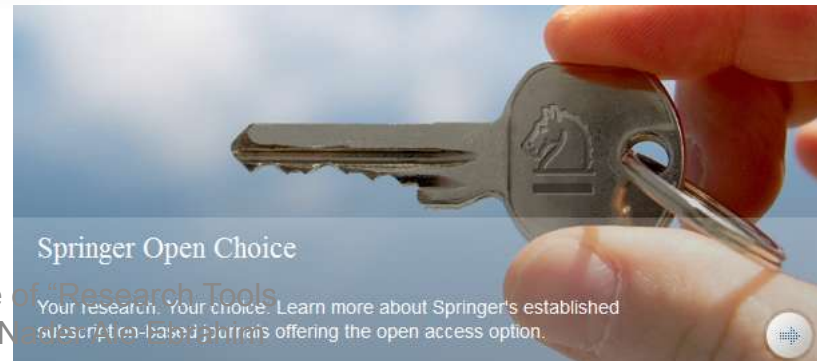


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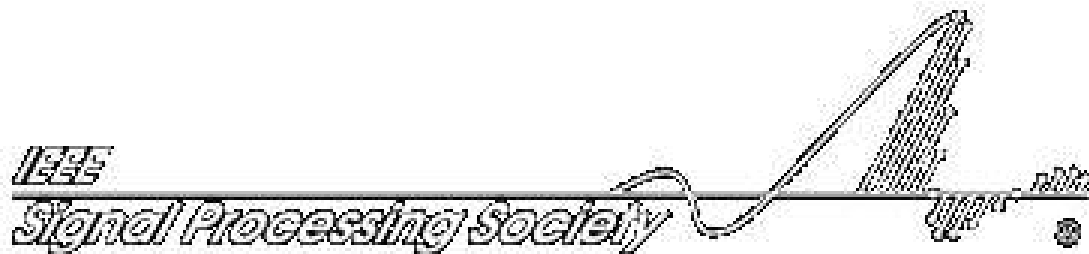


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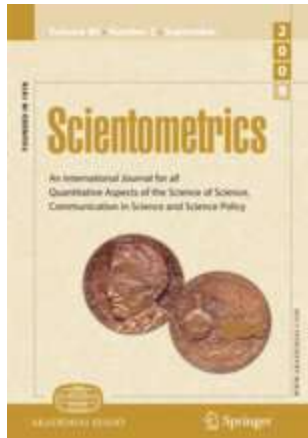


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Source: Gasparyan, A. Y. (2013). [Choosing the target journal: do authors need a comprehensive approach?. \*Journal of Korean medical science\*, 28\(8\), 1117-1119.](#)

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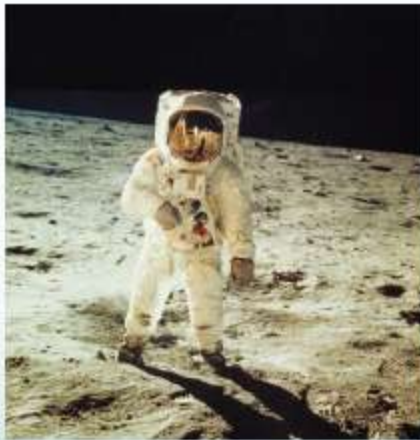
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Source: Researchers, publishers, libraries and data centres all have a role in promoting and encouraging data citation. (Available on: <http://blogs.lse.ac.uk/impactofsocialsciences/2013/11/26/why-not-cite-data/>)

# WHAT IS A GOOD SCIENTIFIC ARTICLE?

Novelty



Communication



Source: ["Scientific Writing for Impact Factor Journals"](#) By: Eric Lichtfouse

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# 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](#)



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# 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.
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[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
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5. Join Twitter
6. Join academic social networking sites
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8. Deposit papers in repositories

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- 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?](#)

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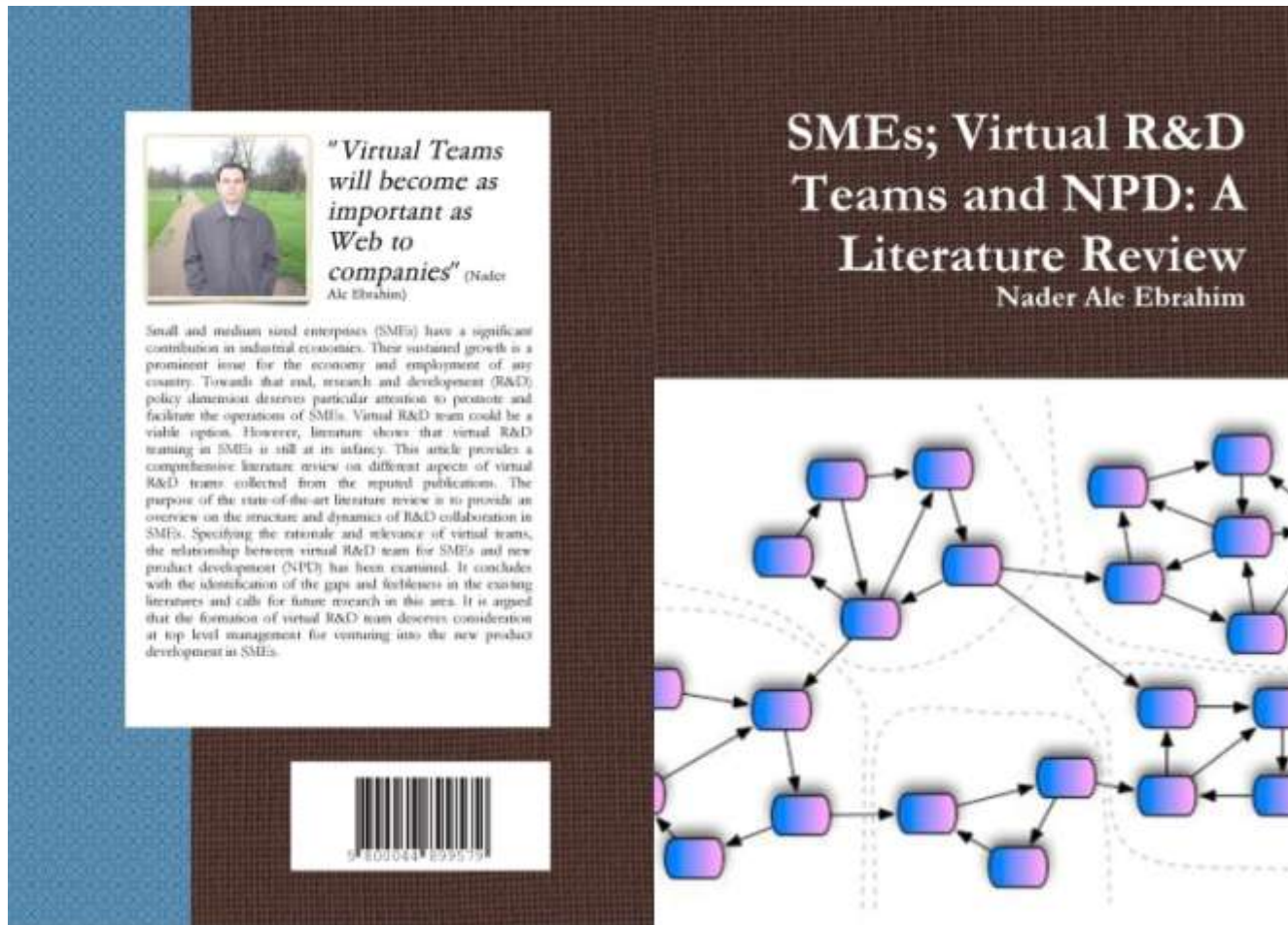
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37 Images of Nader Ale

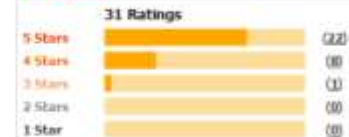
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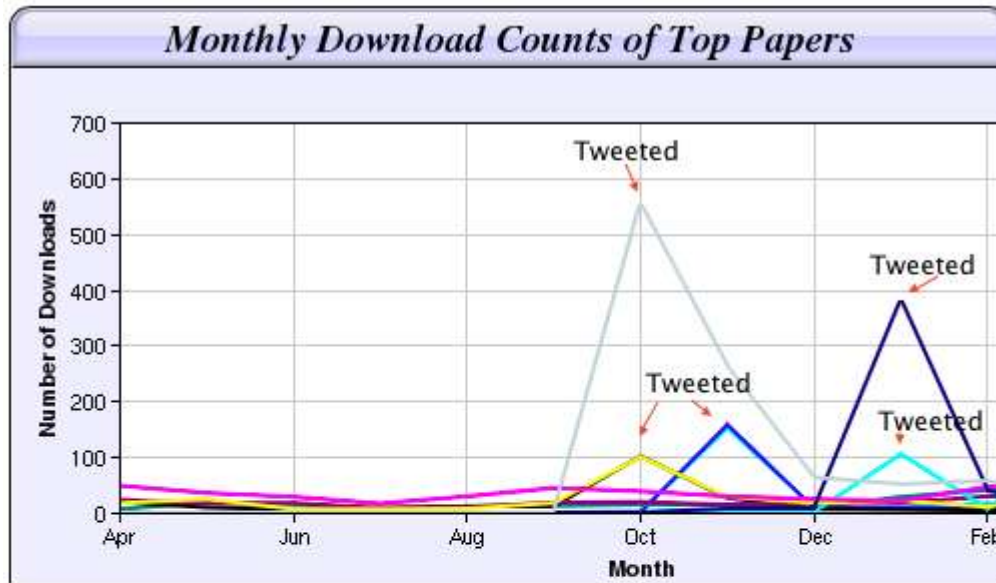


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# Academic Social Networking



## Nader Ale Ebrahim نادر آل ابراهيم

University of Malaya, Malaysia, Department of Engineering Design & Manufacture, Faculty of Engineering, Graduate Student [edit](#)

Research Interests: Collaborative Systems, Global Virtual Teams, International Management, -Electronic-Collaboration(E-C), and 40 more

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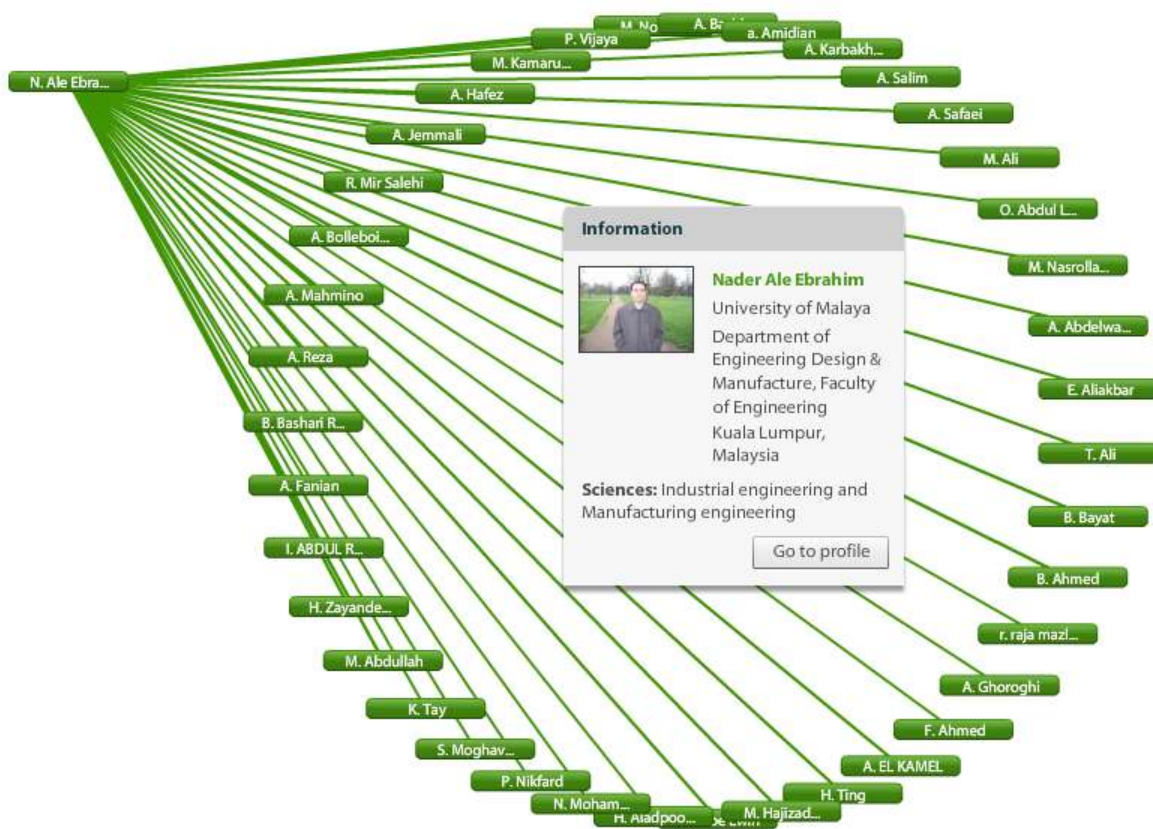
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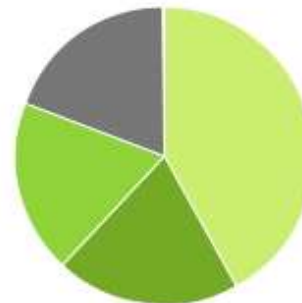
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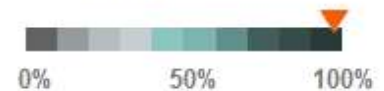
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## Nader Ale Ebrahim

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)

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**Education** Universiti Malaya

Faculty of Engineering , University of Tehran

Faculty of Engineering , University of Tehran

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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

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# Thank you!

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