

الله الرحمن الرحيم



**TCFEX**<sup>®</sup>  
*a true place for future experts*

**Two Day Workshop on**

**The Effective Use of  
Research & Publication Tools  
and Resources**

*Two-day workshop on:*  
***Effective Use of Research & Publication***  
***Tools and Resources – Part 1***

Available online at:

[http://figshare.com/articles/Effective Use of Research amp Publication Tools and Resources Part 1/1155165](http://figshare.com/articles/Effective_Use_of_Research_amp_Publication_Tools_and_Resources_Part_1/1155165)

<http://dx.doi.org/10.6084/m9.figshare.1155165>

**Nader Ale Ebrahim, PhD**

=====  
[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

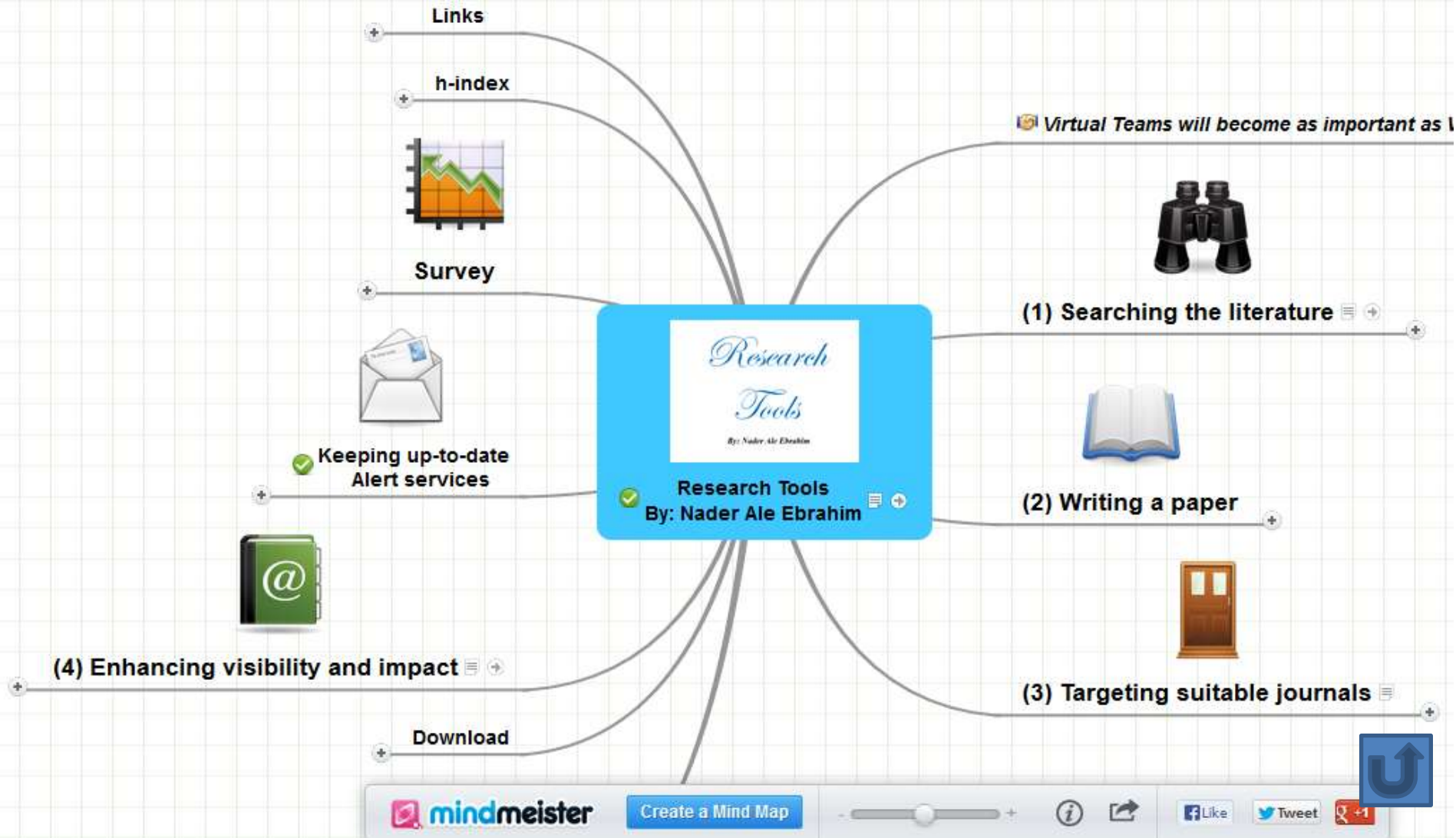
The seminar seeks to serve the following objectives:

- 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.

# Outline

1. [Introduce “Research Tools” Mind Map](#)
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. [How to read a paper](#)
10. [Q&A](#)

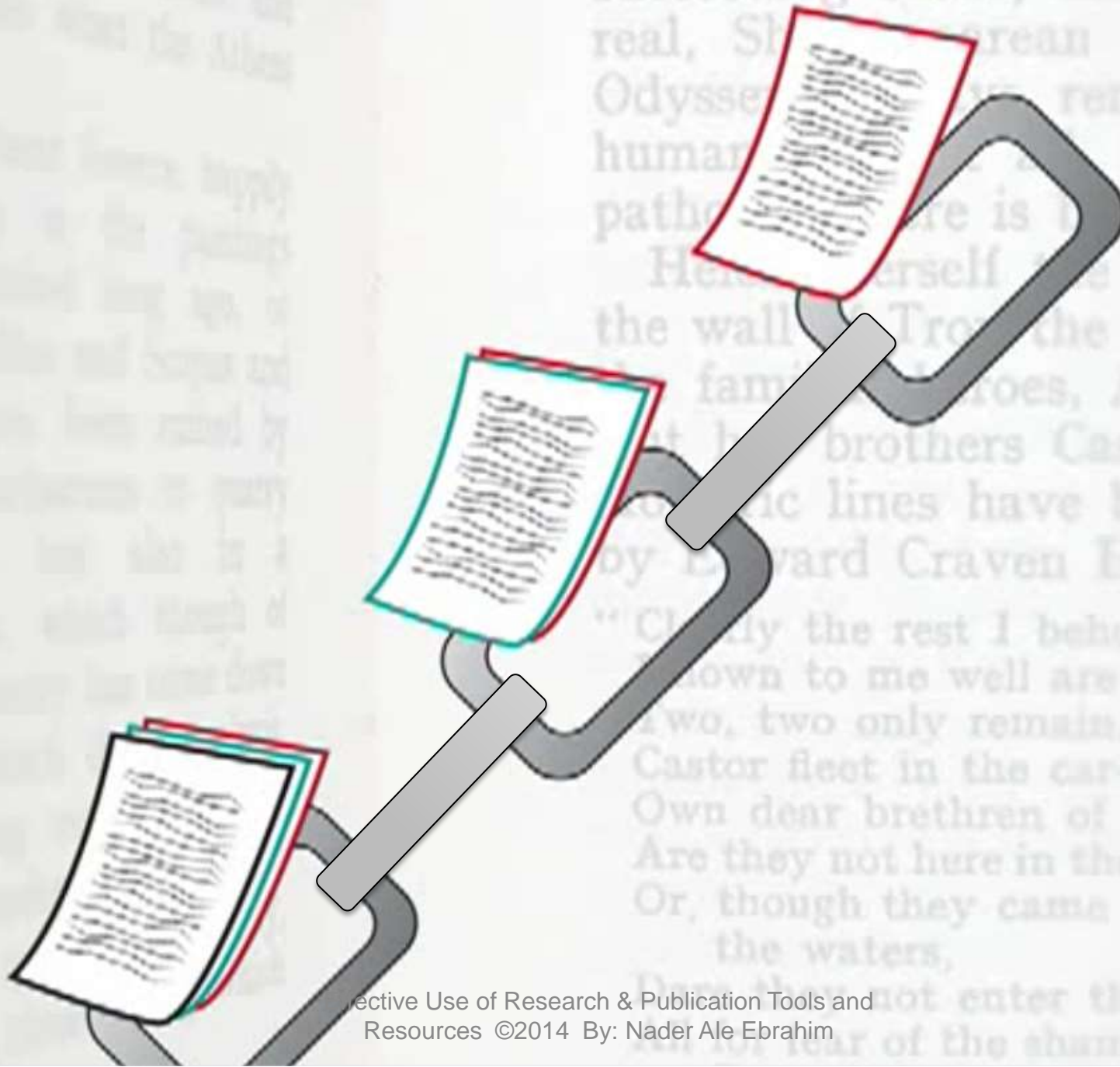
# Research Tools Mind Map

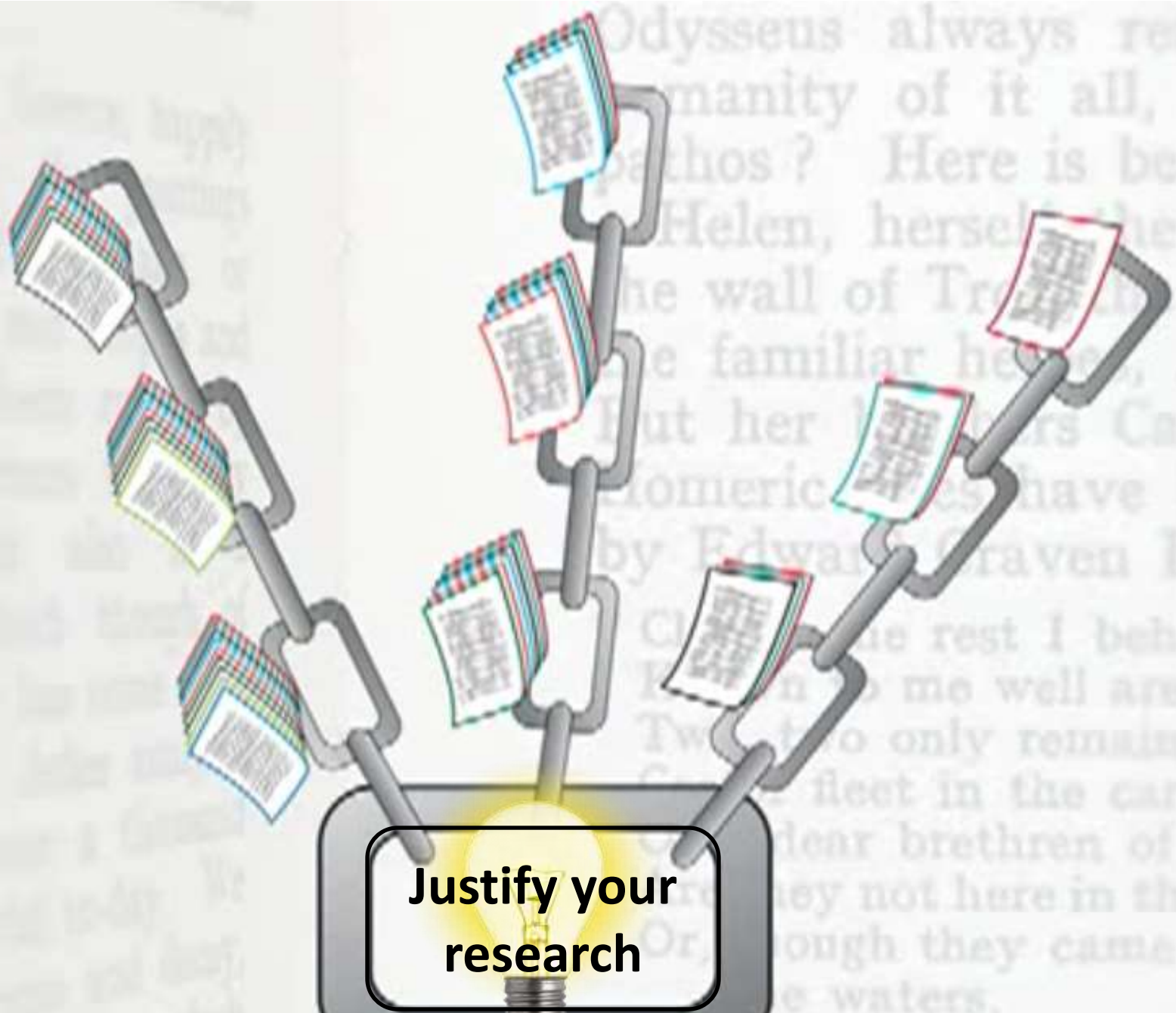




**Developing a search strategy,  
Finding keyword**







**Justify your  
research**

# The Systematic Review Process



Source: Adapted from [Systematic Review](#)

Effective Use of Research & Publication Tools and  
Resources ©2014 By: Nader Ale Ebrahim

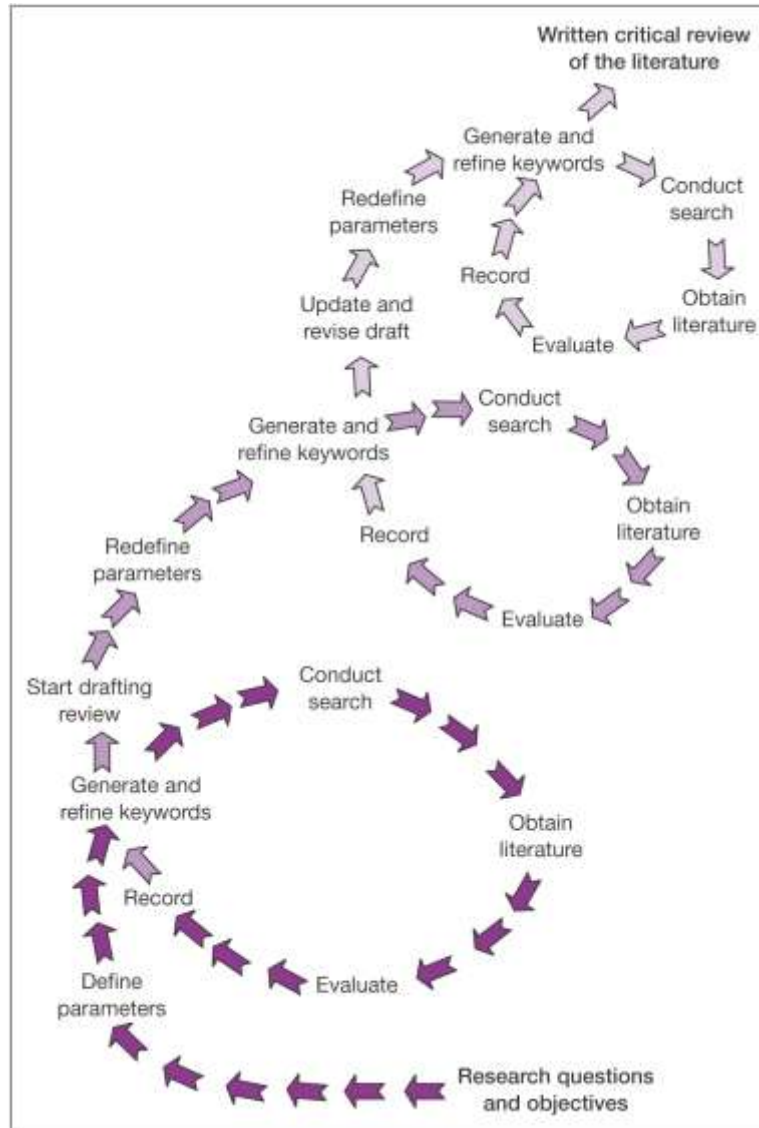
# Planning the review

1. Identification of the need for a review
2. Development of a review protocol. (The most important activity during protocol is to formulate the research question.)

# Conducting the review

1. Identification of research
2. Selection of primary studies
3. Study quality assessment
4. Data extraction & monitoring
5. Data synthesis.





## The literature review process

Source: © Mark Saunders, Philip Lewis, Adrian Thornhill and Martin Jenkins 2003  
 Research methods for business students / Mark Saunders, Philip Lewis, Adrian Thornhill — 5th ed.  
 Resources ©2014 By: Nader Ale Ebrahim

# 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.

# 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



MeSH (Medical Subject Headings)

# Master Keywords List

The screenshot shows the website for the Journal of International Business Studies. At the top, the Palgrave Macmillan logo is on the left, and the journal title is in the center. On the right, there are links for Institutional Registration, Personal Registration, and Subscribe, along with Admin Login, My account, and E-alert sign up. Below the header is a search bar with a dropdown menu set to 'This journal' and a 'Go' button. A banner for the Mastercard Finance, Payments & E-commerce Chair Vacancy is displayed. The main content area is titled 'MASTER KEYWORDS LIST' and includes a navigation menu on the left, a central text block, and a right-hand sidebar with social media and service links.

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

**Journal home**

**Advance online publication**

- About AOP

**Current issue**

**Archive**

- Decade Award
- Editorials - FREE
- Most Cited Articles - FREE
- JIBS Collections

**Catalog entry**

- Online submission
- Instructions for authors
- Palgrave Open
- About the Journal
- Statement of editorial policy
- Code of ethics
- Calls for papers
- Frequently asked questions
- Contact editorial team
- Subscribe

**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

**Partners**

- Academy of International Business

# 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 (Avg. monthly searches ≥ 0, Suggested bid ≥ RM0.00, Ad impr. share ≥ 0%), Keyword options (Show broadly related ideas, Hide keywords in my account, Hide keywords in my plan), 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 links 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

Ad group	Keyword	Currency	Avg. monthly searches	Competition	Suggested Impr. shar	In account	In plan?
Seed Keywords	virtual teams	MYR	30	0.05	4.69	0	N
Keyword Ideas	virtual team	MYR	70	0.04	1.39	0	N
Keyword Ideas	team building	MYR	1600	0.71	1.86	0	N
Keyword Ideas	teamwork	MYR	1600	0.12	0.46	0	N
Keyword Ideas	team building activities	MYR	1000	0.76	1.51	0	N
Keyword Ideas	virtual teams definition	MYR	10	0.03		0	N
Keyword Ideas	cross functional team	MYR	110	0		0	N
Keyword Ideas	virtual team building	MYR	10	0.19		0	N
Keyword Ideas	cross culture	MYR	70	0.06		0	N
Keyword Ideas	team management	MYR	90	0.05		0	N
Keyword Ideas	virtual meeting	MYR	20	0.15	4.37	0	N
Keyword Ideas	types of teams	MYR	40	0.02		0	N
Keyword Ideas	virtual team definition	MYR	10	0.09		0	N
Keyword Ideas	self managed teams	MYR	30	0.01		0	N
Keyword Ideas	cultural sensitivity	MYR	40	0.02		0	N
Keyword Ideas	team bonding	MYR	30	0.22		0	N
Keyword Ideas	virtual work	MYR	20	0.11		0	N
Keyword Ideas	managing people in organization	MYR	10	0		0	N
Keyword Ideas	virtual team example	MYR	10	0.07		0	N
Keyword Ideas	virtual assistant jobs	MYR	20	0.44	0.09	0	N
Keyword Ideas	project team management	MYR	10	0.35		0	N
Keyword Ideas	global team	MYR	10	0		0	N
Keyword Ideas	project team development	MYR	10	0.11		0	N
Keyword Ideas	virtual jobs	MYR	10	0.23	0.65	0	N
Keyword Ideas	define business management	MYR	10	0.27		0	N
Keyword Ideas	managing virtual teams	MYR	10	0.08		0	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-1

- 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

# 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](#)

# Key Words Selection

## Results: 26

*(from Web of Science Core Collection)*

### You searched for:

**TITLE:** ("Envelope Design")

**Timespan:** All years. **Indexes:** SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

## Results: 477

*(from Web of Science Core Collection)*

### You searched for:

**TITLE:** (("efficiency envelope\*") OR (envelope NEAR/5 building) OR (envelope NEAR/5 energy) OR ("envelope\* energy\* saving\*") OR ("Envelope\* System\*") OR ("thermal\* envelope\*") OR ("Envelope\* Design\*"))

**Timespan:** All years. **Indexes:** SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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)

+ (0) Save to: EndNote Web EndNote ResearcherID  
 more options Analyze Results Create Citation Report

- 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]
- 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

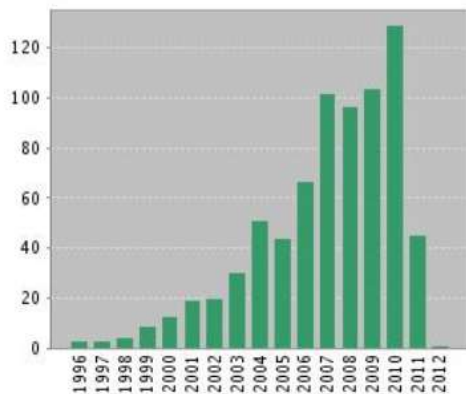
### Citation Report

Topic=("virtual Teams")

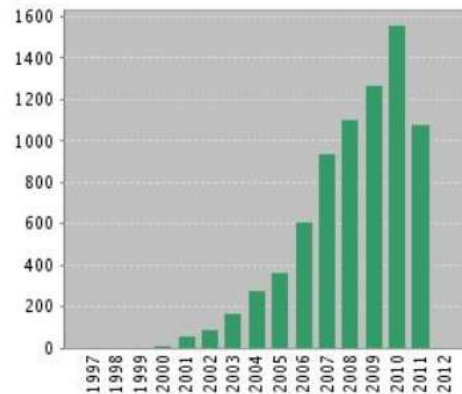
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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



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

Results: 741

Page 1 of 75

Sort by: Times Cited -- highest to lowest

2008 2009 2010 2011 2012 Total Average





**Finding proper articles**

# 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

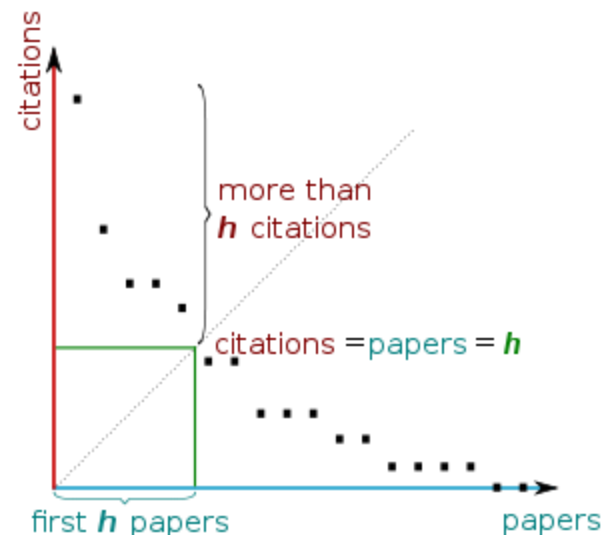
Writing Style

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

**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

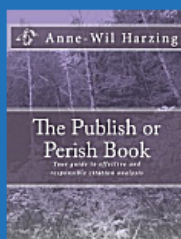
**Help resources**

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

**Amazon customer review**

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
Citations:	59102	Cites/author:	52828.21	g-index:	242
Years:	238	Papers/author:	317.81	hc-index:	42
Cites/year:	248.33	Authors/paper:	1.91	hI,norm:	69

Lotfi A. Zadeh: all  
 Query date: 2013-01-07  
 Papers: 419  
 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	Outline of a new approach to the analysis of comple...	1973	Systems, Man and Cybernet...	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	7254	186.00	14 LA Zadeh	The concept of a linguistic variable and its application...	1975	Information sciences	Elsevier
<input checked="" type="checkbox"/>	4826	109.68	17 RE Bellman, LA Z...	Decision-making in a fuzzy environment	1970	Management science	mansci.journal.informs.org
<input checked="" type="checkbox"/>	1695	94.17	2 LA Zadeh	Fuzzy logic= computing with words	1996	Fuzzy Systems, IEEE Transa...	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	1638	38.09	3 LA Zadeh	Similarity relations and fuzzy orderings	1971	Information sciences	Elsevier
<input checked="" type="checkbox"/>	1533	33.33	4 LA Zadeh	Probability measures of fuzzy events	1968	Journal of mathematical ana...	www-bisc.cs.berkeley.edu
<input checked="" type="checkbox"/>	1455	28.53	29 LA Zadeh, CA De...	Linear System Theory:(The) State Space Approach	1963		citeulike.org
<input checked="" type="checkbox"/>	1411	83.00	5 LA Zadeh	Toward a theory of fuzzy information granulation an...	1997	Fuzzy sets and systems	Elsevier
<input checked="" type="checkbox"/>	1255	40.48	6 LA Zadeh	A computational approach to fuzzy quantifiers in nat...	1983	Computers & Mathematics w...	Elsevier
<input checked="" type="checkbox"/>	1245	33.65	32 LA Zadeh	A Theory of Approximate Reasoning (AR).	1977		Electronics Research Labora...
<input checked="" type="checkbox"/>	1144	29.33	7 LA Zadeh	Fuzzy logic and approximate reasoning	1975	Synthese	Springer
<input checked="" type="checkbox"/>	1143	43.96	33 LA Zadeh	Fuzzy logic	1988	Computer	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	1123	28.79	8 LA Zadeh	The concept of a linguistic variable and its application...	1975	Information sciences	Elsevier
<input checked="" type="checkbox"/>	1029	26.38	9 LA Zadeh	The concept of a linguistic variable and its application...	1975	Information science	ci.nii.ac.jp
<input checked="" type="checkbox"/>	937	46.85	10 LA Zadeh	Fuzzy logic, neural networks, and soft computing	1994	Communications of the ACM	dl.acm.org
<input checked="" type="checkbox"/>	858	27.68	40 LA Zadeh	The role of fuzzy logic in the management of uncerta...	1983	Fuzzy sets and Systems	Elsevier
<input checked="" type="checkbox"/>	705	16.79	11 LA Zadeh	A fuzzy-set-theoretic interpretation of linguistic hedges	1972		Taylor & Francis
<input checked="" type="checkbox"/>	618	68.67	12 LA Zadeh	Toward a generalized theory of uncertainty (GTU)—...	2005	Information sciences	Elsevier
<input checked="" type="checkbox"/>	588	16.33	45 LA Zadeh	PRUF—a meaning representation language for natur...	1978	International Journal of Man...	Elsevier
<input checked="" type="checkbox"/>	575	71.88	13 I Guyon, S Gunn, ...	Feature extraction: foundations and applications	2006		books.google.com
<input checked="" type="checkbox"/>	465	23.25	15 LA Zadeh	Soft computing and fuzzy logic	1994	Software, IEEE	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	420	6.56	53 LA Zadeh	Frequency analysis of variable networks	1950	Proceedings of the IRE	ieeexplore.ieee.org
<input checked="" type="checkbox"/>	407	9.47	16 LA Zadeh	Quantitative fuzzy semantics	1971	Information sciences	Elsevier

**Harzing's Publish or Perish**

File Edit View Tools Help

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

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

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

**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...

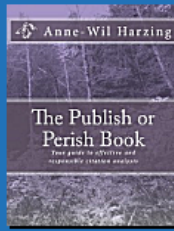
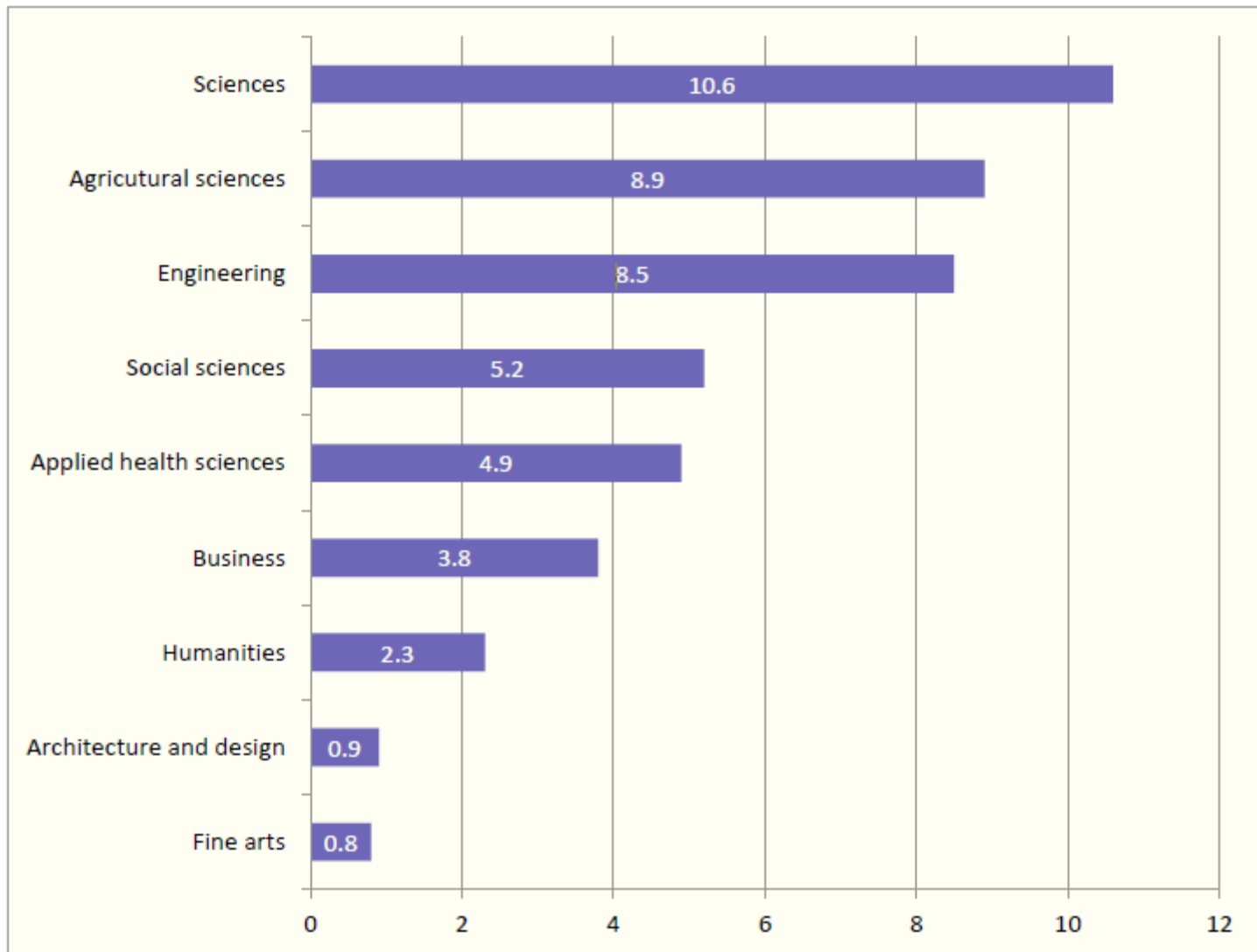


Figure 1: Mean H-index Scores by Field of Study



[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

Embed Subscribe



**Scott J. Shenker** University of California Berkeley [Edit](#)  
 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  
[Homepage](#) | [Bing](#)



**Conference (41)**

- SIGCOMM
- INFOCOM
- NSDI
- IPTPS
- PODC
- Journal (35)
- CCR

**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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Academic > Author > Scott J. Shenker > Visual Explorer

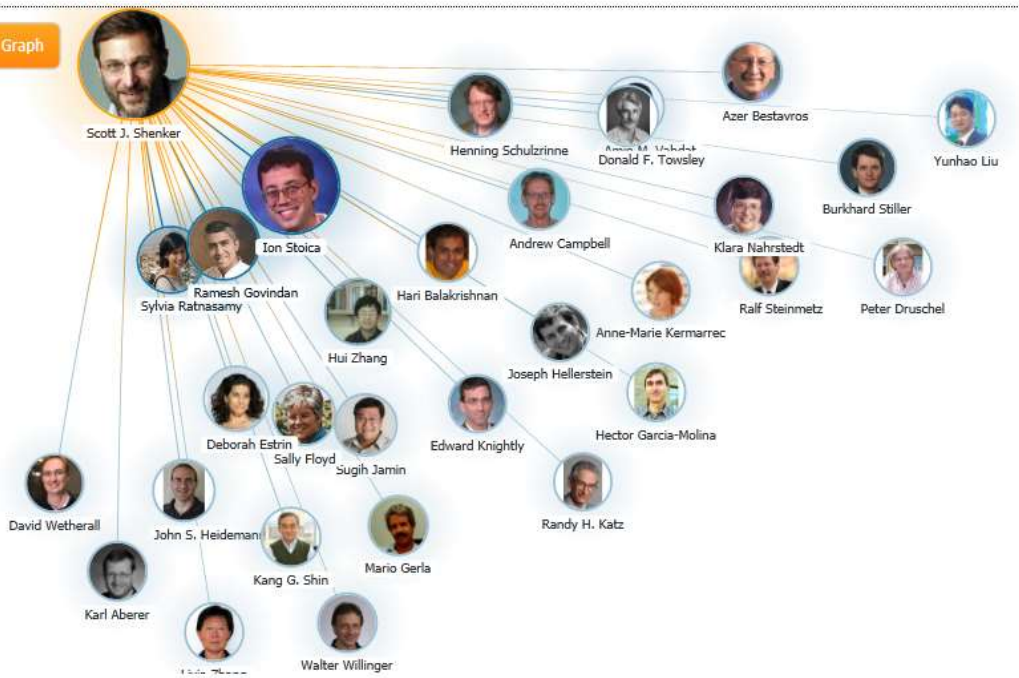
Embed | About

Scott J. Shenker

Result

Scott J. Shenker  
University of Cal...

Co-author Graph Co-author Path Citation Graph



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Academic > Author > Scott J. Shenker > Visual Explorer

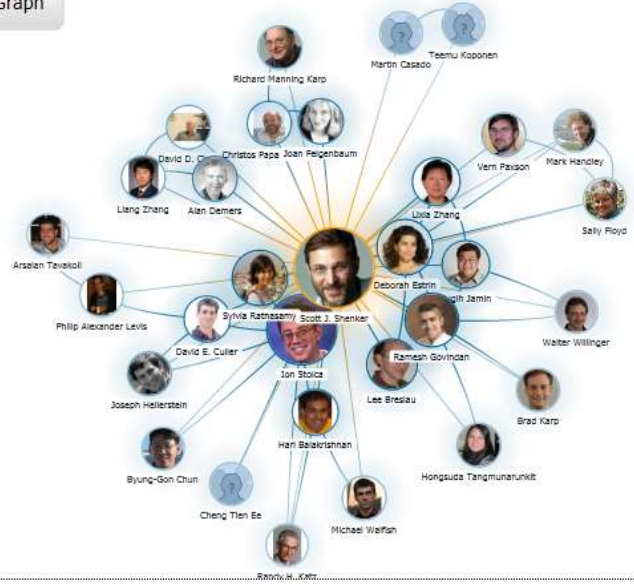
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Co-author Graph Co-author Path Citation Graph

Result

Scott J. Shenker  
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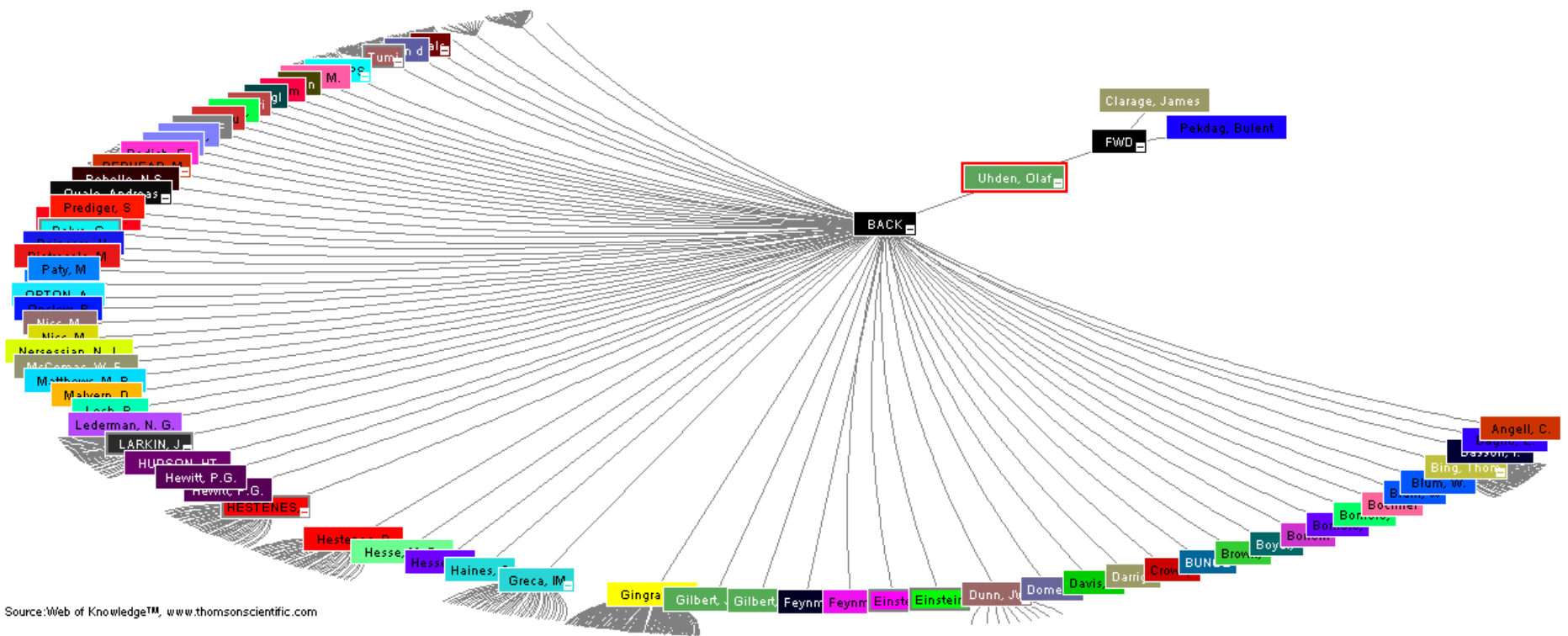
- Web of Science® is perhaps the most well-known tool for determining the number of times a publication has been cited.
- Web of Science® is made up of three citation indexes owned by Thomson Scientific:
  - Science Citation Index ®
  - Social Sciences Citation Index ®
  - Arts & Humanities Citation Index ®.

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



Record details for the nodes are displayed below (double-click a node to show its details). Click a checkbox below to locate that node above.

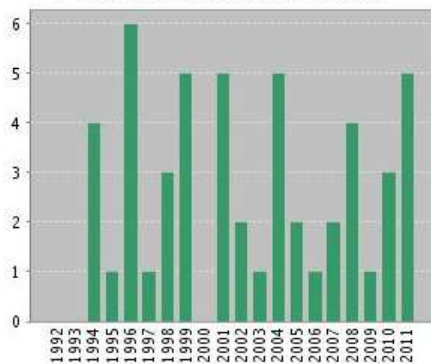
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**Citation Report** Distinct Author Summary: Zadeh, LA  
 Timespan=All Years. Databases=SCI-EXPANDED, A&HCI, SSCI, CPCI-SSH, CPCI-S.

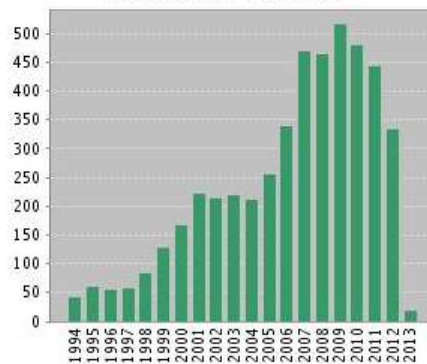
This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

**Published Items in Each Year**



The latest 20 years are displayed.  
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**Citations in Each Year**



The latest 20 years are displayed.  
[View a graph with all years.](#)

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

Results: **75**

[<<](#) Page  of 8 [Go](#) [>>](#)

Sort by: Times Cited -- highest to lowest [v](#)





Evaluate 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

<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?

Application Training Module Series I  
by Customer Education Team

[ts.training.asia@thomson.com](mailto:ts.training.asia@thomson.com)

**STOP SEARCHING, START DISCOVERING**

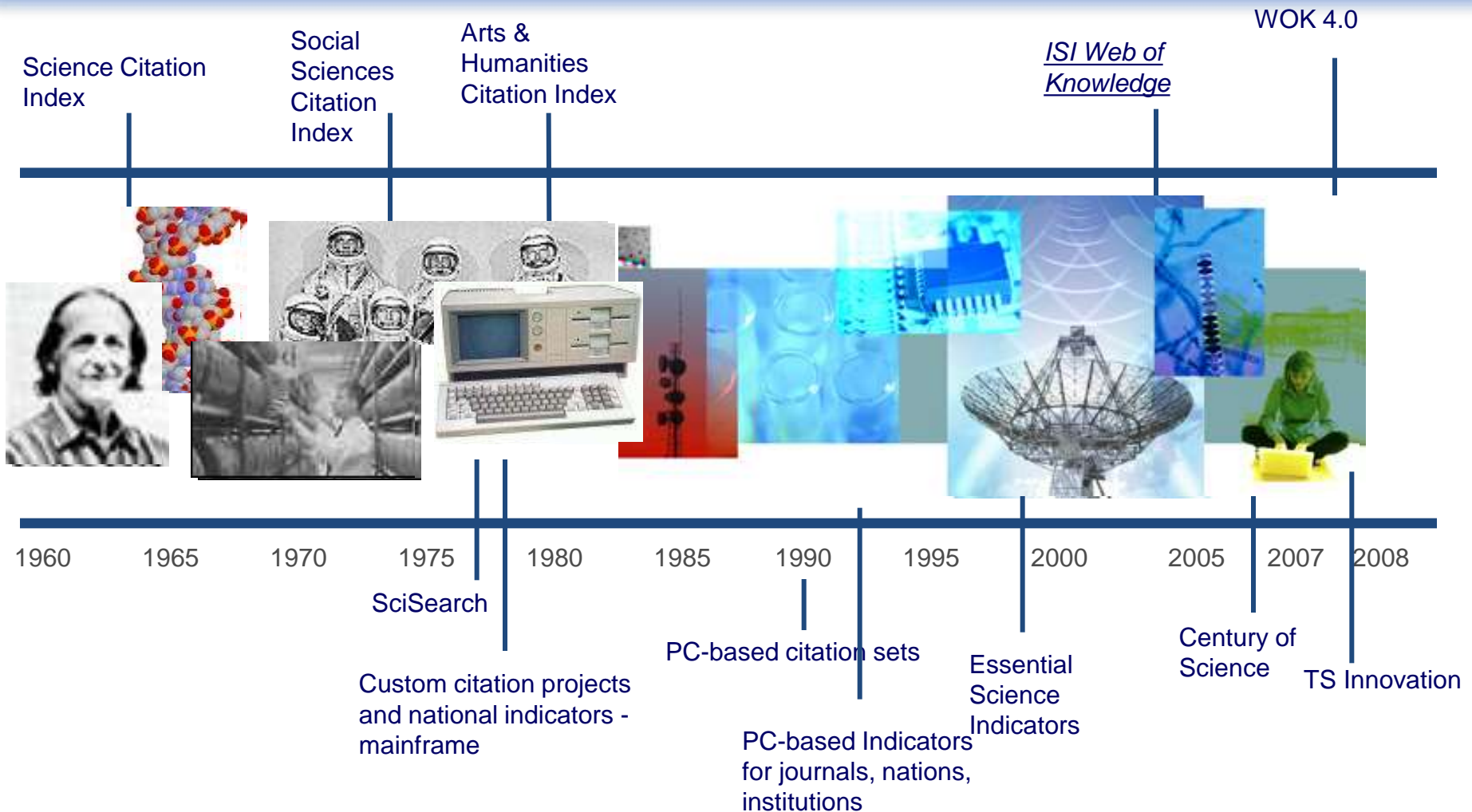


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- The **Institute for Scientific Information** (ISI) was founded by [Eugene Garfield](#) in 1960. It was acquired by [Thomson Scientific & Healthcare](#) in 1992, became known as **Thomson ISI** and now is part of the Healthcare & Science business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

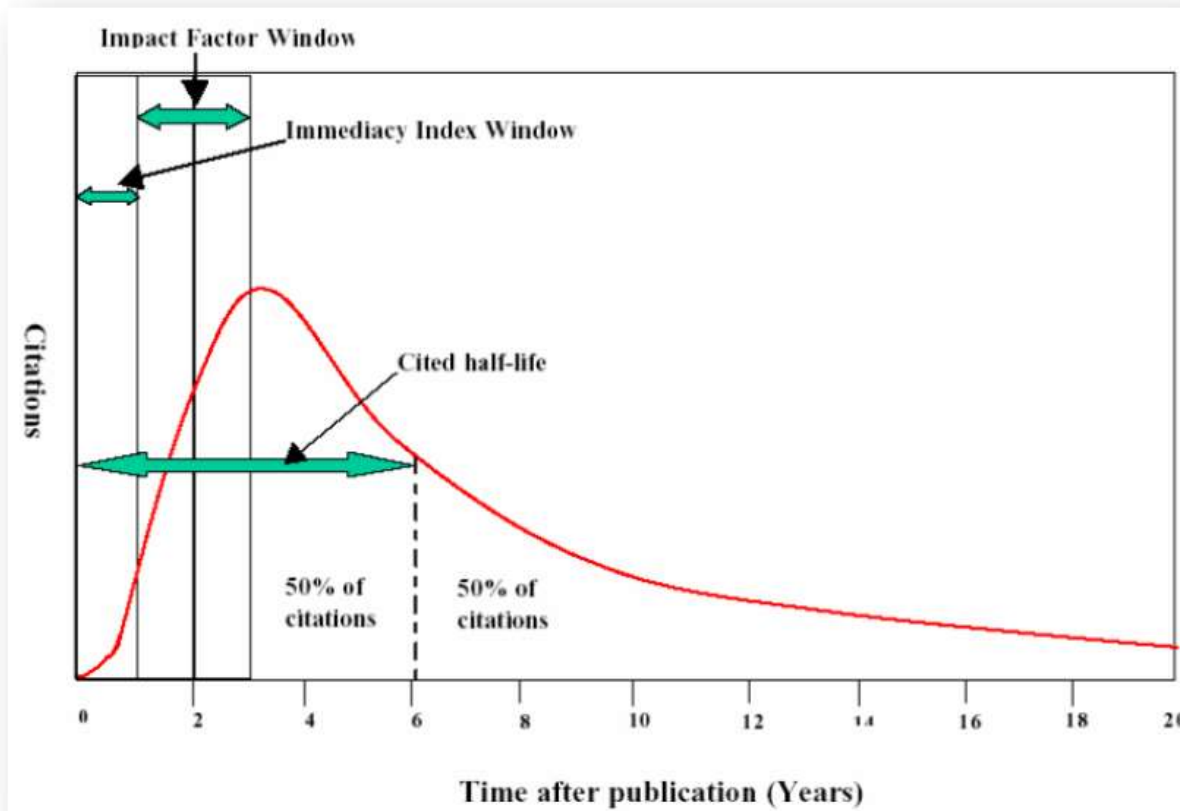
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Thomson Reuters (formerly ISI)  
*Web of Knowledge* is today's  
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information in the sciences,  
social sciences, arts, and  
humanities.

# 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

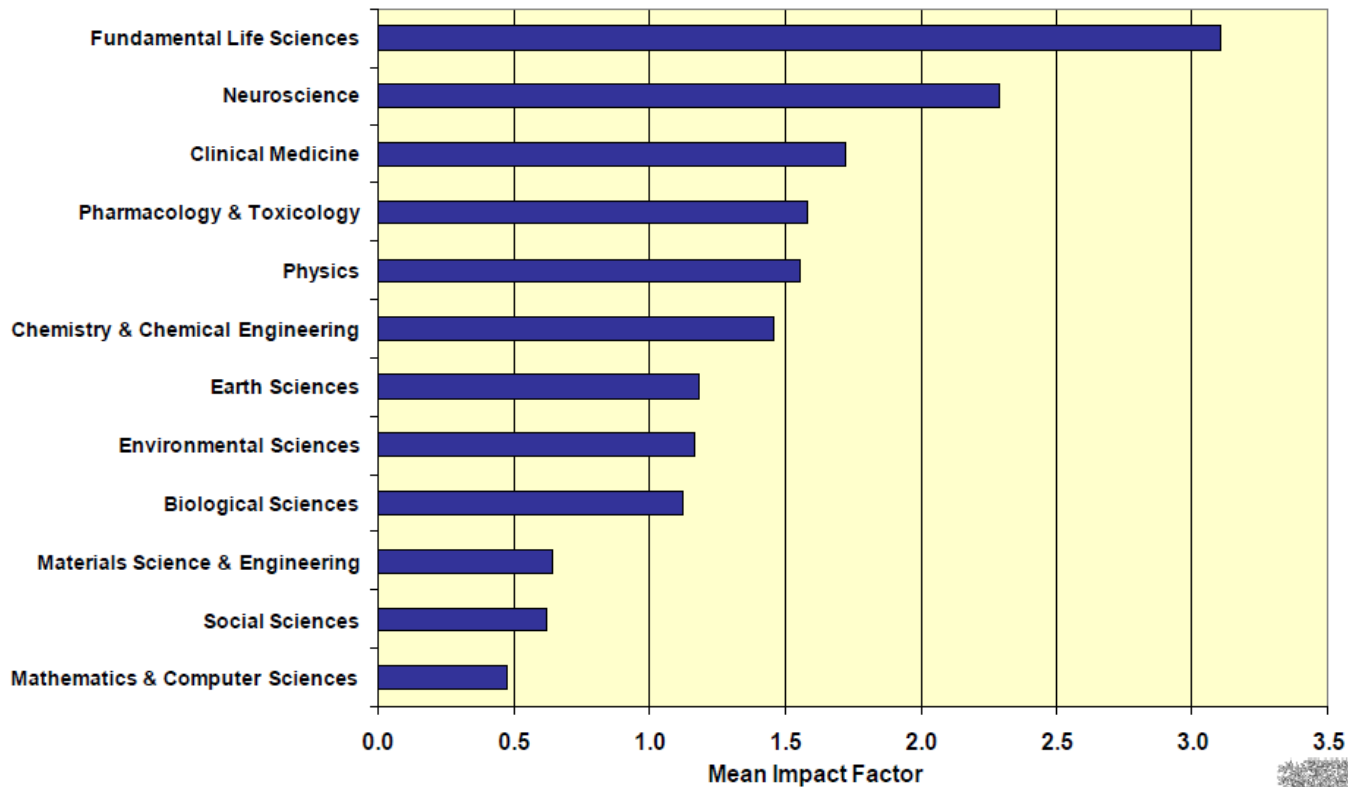


# Impact Factor-Journal Ranking

- 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:

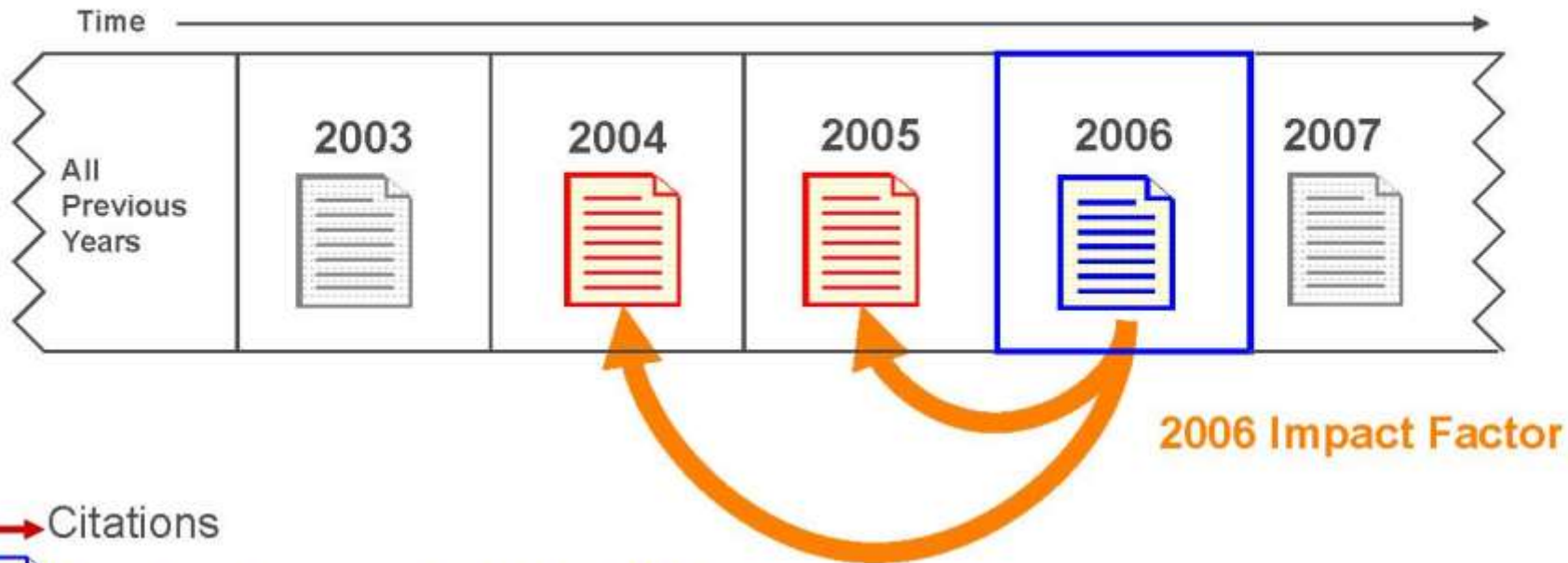
$$= \frac{\text{Cites in 2010 to items published in 2008 and 2009}}{\text{Number of items published in 2008 and 2009}}$$

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”.



Source paper – published in 2006



Cited reference – published in 2004 or 2005

$$\text{Impact Factor} = \frac{\text{Cites in 2006 to 2004 and 2005 papers}}{\text{Papers published in 2004 and 2005}}$$

The average number of citations in 2006 to scholarly material that was published in the prior two years

# INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH

## Impact Factor in 2008

Cites in 2008 to items published in:	2007 =	144	Number of items published in:	2007 =	278
	2006 =	280		2006 =	270
	Sum:	424		Sum:	548

Calculation: 
$$\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{424}{548} = \mathbf{0.774}$$

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

## Journal Citation Reports<sup>®</sup>

WELCOME HELP RETURN TO LIST PREVIOUS JOURNAL NEXT JOURNAL 2008 JCR Science Edition

### 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	5900	<a href="#">0.774</a>	<a href="#">1.380</a>	<a href="#">0.132</a>	325	<a href="#">9.0</a>	<a href="#">9.8</a>

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

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



### Journal Information

**Full Journal Title:** INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH  
**ISO Abbrev. Title:** Int. J. Prod. Res.  
**JCR Abbrev. Title:** INT J PROD RES  
**ISSN:** 0020-7543  
**Issues/Year:** 18  
**Language:** MULTI-LANGUAGE  
**Journal Country/Territory:** ENGLAND  
**Publisher:** TAYLOR & FRANCIS LTD  
**Publisher Address:** 4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND  
**Subject Categories:** ENGINEERING, INDUSTRIAL

**Eigenfactor<sup>TM</sup> Metrics**  
**Eigenfactor<sup>TM</sup> Score**  
 0.01042  
**Article Influence<sup>TM</sup> Score**  
 0.360

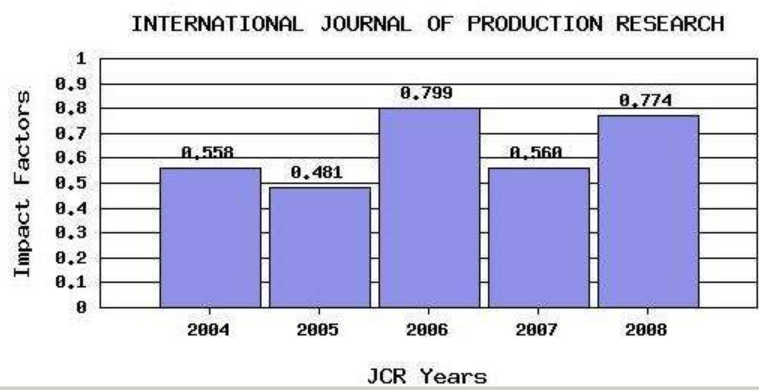
[SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)  
 ENGINEERING, MANUFACTURING [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)  
 OPERATIONS RESEARCH & MANAGEMENT SCIENCE [SCOPE NOTE](#) [VIEW JOURNAL SUMMARY LIST](#) [VIEW CATEGORY DATA](#)

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

### Journal Impact Factor

Cites in 2008 to items published in: 2007 = 144    Number of items published in: 2007 = 278  
 2006 = 280    2006 = 270  
 Sum: 424    Sum: 548  
 Calculation:  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{424}{548} = 0.774$

**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 bibliometric data and information on this and other journal titles click on the "Return to Journal" button.

NOTE: Title changes and coverage changes may result in no impact factor for one or more years in the above graph.

**2008 Impact Factor**

Cites in 2008 to articles published in: 2007 = 144    Number of articles published in: 2007 = 278  
 2006 = 280    2006 = 270  
 Sum: 424    Sum: 548  
 Calculation:  $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{424}{548} = 0.774$

**2007 Impact Factor**

Cites in 2007 to articles published in: 2006 = 88    Number of articles published in: 2006 = 270  
 2005 = 204    2005 = 251  
 Sum: 292    Sum: 521  
 Calculation:  $\frac{\text{Cites to recent articles}}{\text{Number of recent articles}} = \frac{292}{521} = 0.560$

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### 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	5900	<a href="#">0.774</a>	<a href="#">1.380</a>	<a href="#">0.132</a>	325	<a href="#">9.0</a>	<a href="#">9.8</a>

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

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

### Journal Information

**Full Journal Title:** INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH  
**ISO Abbrev. Title:** Int. J. Prod. Res.  
**JCR Abbrev. Title:** INT J PROD RES  
**ISSN:** 0020-7543  
**Issues/Year:** 18  
**Language:** MULTI-LANGUAGE  
**Journal Country/Territory:** ENGLAND  
**Publisher:** TAYLOR & FRANCIS LTD  
**Publisher Address:** 4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND  
**Subject Categories:** ENGINEERING, INDUSTRIAL

**Eigenfactor<sup>TM</sup> Metrics**  
**Eigenfactor<sup>TM</sup> Score**  
 0.01042  
**Article Influence<sup>TM</sup> Score**  
 0.360

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

### Journal Impact Factor

Cites in 2008 to items published in: 2007 = 144    Number of items published in: 2007 = 278  
 2006 = 280    2006 = 270  
 Sum: 424    Sum: 548  
 Calculation:  $\frac{\text{Cites to recent items}}{\text{Number of recent items}} = \frac{424}{548} = 0.774$



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

## Journal Citation Reports<sup>®</sup>

WELCOME HELP RETURN TO JOURNAL 2008 JCR Science Edition

### Rank in Category: INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH

#### Journal Ranking ⓘ

For 2008, the journal **INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH** has an Impact Factor of **0.774**.

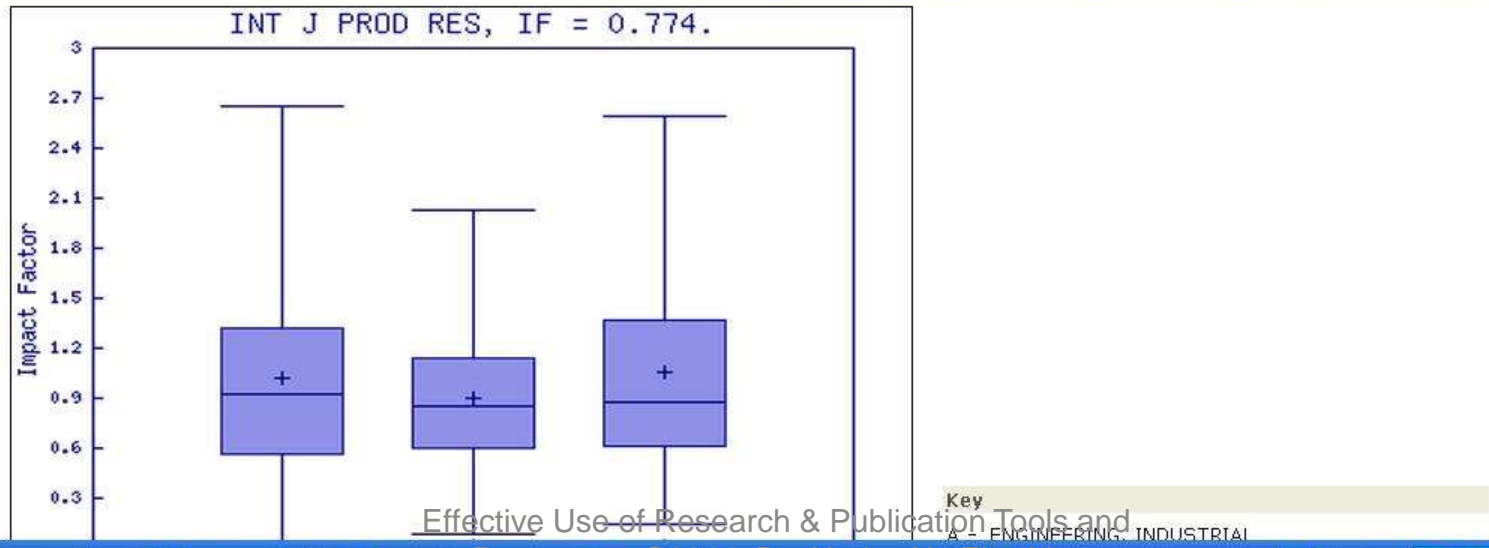
This table shows the ranking of this journal in its subject categories based on Impact Factor.

Category Name	Total Journals in Category	Journal Rank in Category	Quartile in Category
ENGINEERING, INDUSTRIAL	33	21	Q3
ENGINEERING, MANUFACTURING	38	21	Q3
OPERATIONS RESEARCH & MANAGEMENT SCIENCE	64	40	Q3

#### Category Box Plot ⓘ

For 2008, the journal **INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH** has an Impact Factor of **0.774**.

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 shows median, 25th and 75th percentiles, and the extreme values of the distribution.



Journal Citation Reports<sup>®</sup>

WELCOME ? HELP 2008 JCR Science Edition

Journal Summary List [Journal Title Changes](#)

Journals from: subject categories ENGINEERING, INDUSTRIAL [VIEW CATEGORY SUMMARY LIST](#)

Sorted by: Journal Title

Journals 1 - 20 (of 33) Page 1 of 2

 **Impact Factor**

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data <sup>i</sup>						Eigenfactor <sup>TM</sup> Metrics <sup>j</sup>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor <sup>TM</sup> Score	Article Influence <sup>TM</sup> Score
<input type="checkbox"/>	1	<a href="#">APPL ERGON</a>	0003-6870	1719	1.250	1.419	0.489	88	8.2	0.00333	0.404
<input type="checkbox"/>	2	<a href="#">CIRP ANN-MANUF TECHN</a>	0007-8506	3771	1.123	1.514	0.094	149	>10.0	0.00474	0.307
<input type="checkbox"/>	3	<a href="#">COMPUT IND ENG</a>	0360-8352	2389	1.057	1.637	0.209	139	9.0	0.00438	0.437
<input type="checkbox"/>	4	<a href="#">COMPUT OPER RES</a>	0305-0548	3389	1.366	1.789	0.318	261	6.1	0.01317	0.673
<input type="checkbox"/>	5	<a href="#">ERGONOMICS</a>	0014-0139	4167	1.604	1.729	0.110	127	>10.0	0.00525	0.436
<input type="checkbox"/>	6	<a href="#">IEEE IND APPL MAG</a>	1077-2618	484	0.529	0.698	0.043	46	7.0	0.00144	0.306
<input type="checkbox"/>	7	<a href="#">IEEE T ENG MANAGE</a>	0018-9391	1507	1.156	2.153	0.152	46	8.2	0.00312	0.655
<input type="checkbox"/>	8	<a href="#">IEEE T IND INFORM</a>	1551-3203	227	2.356	2.565	0.286	28	2.6	0.00069	0.364
<input type="checkbox"/>	9	<a href="#">IIE TRANS</a>	0740-817X	2656	1.023	1.373	0.144	90	>10.0	0.00659	0.673
<input type="checkbox"/>	10	<a href="#">IND MANAGE DATA SYST</a>	0263-5577	720	0.945	1.237	0.042	72	5.0	0.00179	0.228
<input type="checkbox"/>	11	<a href="#">IND ROBOT</a>	0143-991X	245	0.404	0.471	0.073	55	5.6	0.00068	0.110
<input type="checkbox"/>	12	<a href="#">INT J IND ENG-THEORY</a>	1072-4761	131	0.123	0.257			6.4	0.00046	0.087
<input type="checkbox"/>	13	<a href="#">INT J IND ERGONOM</a>	0169-8141	1288	0.760	0.995	0.071	99	8.3	0.00230	0.245
<input type="checkbox"/>	14	<a href="#">INT J PROD ECON</a>	0925-5273	4733	2.026	2.767	0.344	358	5.9	0.01131	0.612
<input type="checkbox"/>	15	<a href="#">INT J PROD RES</a>	0020-7543	5900	0.774	1.380	0.132	325	9.0	0.01042	0.360
<input type="checkbox"/>	16	<a href="#">ISSUES SCI TECHNOL</a>	0748-5492	229	0.825	0.510	0.086	35	6.8	0.00111	0.255
<input type="checkbox"/>	17	<a href="#">J CONSTR ENG M ASCE</a>	0733-9864	1410	0.564	0.954	0.048	103	7.7	0.00292	0.234

Journal Citation Reports<sup>®</sup>

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Sorted by: Impact Factor

Journals 1 - 20 (of 33) Page 1 of 2

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

Mark	Rank	Abbreviated Journal Title <i>(linked to journal information)</i>	ISSN	JCR Data <sup>i</sup>						Eigenfactor <sup>TM</sup> Metrics <sup>j</sup>	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	Eigenfactor <sup>TM</sup> Score	Article Influence <sup>TM</sup> Score
<input type="checkbox"/>	1	<a href="#">J PROD INNOVAT MANAG</a>	0737-6782	1832	2.650	3.607	0.121	33	9.5	0.00285	0.953
<input type="checkbox"/>	2	<a href="#">IEEE T IND INFORM</a>	1551-3203	227	2.356	2.565	0.286	28	2.6	0.00069	0.364
<input type="checkbox"/>	3	<a href="#">INT J PROD ECON</a>	0925-5273	4733	2.026	2.767	0.344	358	5.9	0.01131	0.612
<input type="checkbox"/>	4	<a href="#">TECHNOVATION</a>	0166-4972	1477	1.907	1.871	0.183	71	4.7	0.00327	0.312
<input type="checkbox"/>	5	<a href="#">J QUAL TECHNOL</a>	0022-4065	1765	1.837	2.007	0.156	32	>10.0	0.00301	0.955
<input type="checkbox"/>	6	<a href="#">ERGONOMICS</a>	0014-0139	4167	1.604	1.729	0.110	127	>10.0	0.00525	0.436
<input type="checkbox"/>	7	<a href="#">RELIAB ENG SYST SAFE</a>	0951-8320	2490	1.379	1.666	0.304	168	6.6	0.00790	0.549
<input type="checkbox"/>	8	<a href="#">COMPUT OPER RES</a>	0305-0548	3389	1.366	1.789	0.318	261	6.1	0.01317	0.673
<input type="checkbox"/>	9	<a href="#">RES ENG DES</a>	0934-9839	559	1.320	2.056	0.133	15	8.1	0.00091	0.569
<input type="checkbox"/>	10	<a href="#">APPL ERGON</a>	0003-6870	1719	1.250	1.419	0.489	88	8.2	0.00333	0.404
<input type="checkbox"/>	11	<a href="#">IEEE T ENG MANAGE</a>	0018-9391	1507	1.156	2.153	0.152	46	8.2	0.00312	0.655
<input type="checkbox"/>	12	<a href="#">J MATER PROCESS TECH</a>	0924-0136	11836	1.143	1.402	0.154	927	6.0	0.03738	0.412
<input type="checkbox"/>	13	<a href="#">CIRP ANN-MANUF TECHN</a>	0007-8506	3771	1.123	1.514	0.094	149	>10.0	0.00474	0.307
<input type="checkbox"/>	14	<a href="#">COMPUT IND ENG</a>	0360-8352	2389	1.057	1.637	0.209	139	9.0	0.00438	0.437
<input type="checkbox"/>	15	<a href="#">IIE TRANS</a>	0740-817X	2656	1.023	1.373	0.144	90	>10.0	0.00659	0.673
<input type="checkbox"/>	16	<a href="#">IND MANAGE DATA SYST</a>	0263-5577	720	0.945	1.237	0.042	72	5.0	0.00179	0.228
<input type="checkbox"/>	17	<a href="#">J ENG TECHNOL MANAGE</a>	0923-4748	449	0.923	2.247	0.053	19	7.1	0.00082	0.447



**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:
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  - a citation alert. This advises you when a new article cites a particular work.
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# Keeping up-to-date

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... Page 10. Narrow the area of research ©2011 Nader Ale **Ebrahim** SMEs NPD **Virtual Teams** R&D R&D and NPD SMEs and **Virtual Teams** R&D and Distributed **Teams** SMEs and R&D Focus of the **literature Review** SMEs, **Virtual R&D teams** and NPD NPD and Virtuality ...
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... are 7 Page 28. Introduction discussed in the next section of this thesis. Finally, web servers may support **virtual** hosting, content compression and other things that may help manage client-server communication. Application ...
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- Department of Media Technology

# Example - 2

## Document Citation Alert: 2 new results

Document Citation Alert for:

Ebrahim, N.A., Ahmed, S., Taha, Z.

### **Innovation and R&D activities in virtual team**

(2009) *European Journal of Scientific Research*, **34** (3) pp. 297-307. Cited 2 times.

[Access all new results](#) in Scopus for this Document Citation Alert.

In the table below, you can see the **2 new results** for this Document Citation Alert.

Results: 2

1. [A collaborative model of engineering education for complex global environments](#)

Qiu, R.G., 2010, *Proceedings - Frontiers in Education Conference, FIE*, art. no. 5673356, pp. S3J1-S3J5.

2. [University role in the development of future high-tech engineers](#)

Ilas, M., 2010, *2010 IEEE 16th International Symposium for Design and Technology of Electronics Packages, SIITME 2010*, art. no. 5650869, pp. 327-330.



## Search Alert: 2 new results

[Access all new results](#) in Scopus for: AU-ID("Ebrahim, Nader Ale" 22974706300) AND (LIMIT-TO(AU-ID, "Ahmed, Shamsuddin" 35241743000)).

In the table below, you can see the **2 new results** for this Search Alert.

Results: 2				
Document	Author(s)	Date	Source title	Citations
1. <a href="#">Critical factors for new product developments in SMEs virtual team</a>	Ebrahim, N.A., Ahmed, S., Taha, Z.	2010	<i>African Journal of Business Management</i> , 4 (11) pp. 2247-2257.	0
2. <a href="#">Virtual R&amp;D teams and SMEs growth: A comparative study between Iranian and Malaysian SMEs</a>	Ebrahim, N.A., Ahmed, S., Taha, Z.	2010	<i>African Journal of Business Management</i> , 4 (11) pp. 2368-2379.	0

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Web

1 new result for "Virtual R&D teams"

### [Virtual R&D Teams for NPD in SMEs](#)

ALE EBRAHIM, N., AHMED, S. & TAHA, Z. (2008). **Virtual R&D Teams** for NPD in SMEs: Past, Present and Future Trend. In: APCMOTTE2008 (Asia pacific Conference ...

[www.wepapers.com/.../Virtual R&D Teams for NPD in SM...](http://www.wepapers.com/.../Virtual_R&D_Teams_for_NPD_in_SM...)

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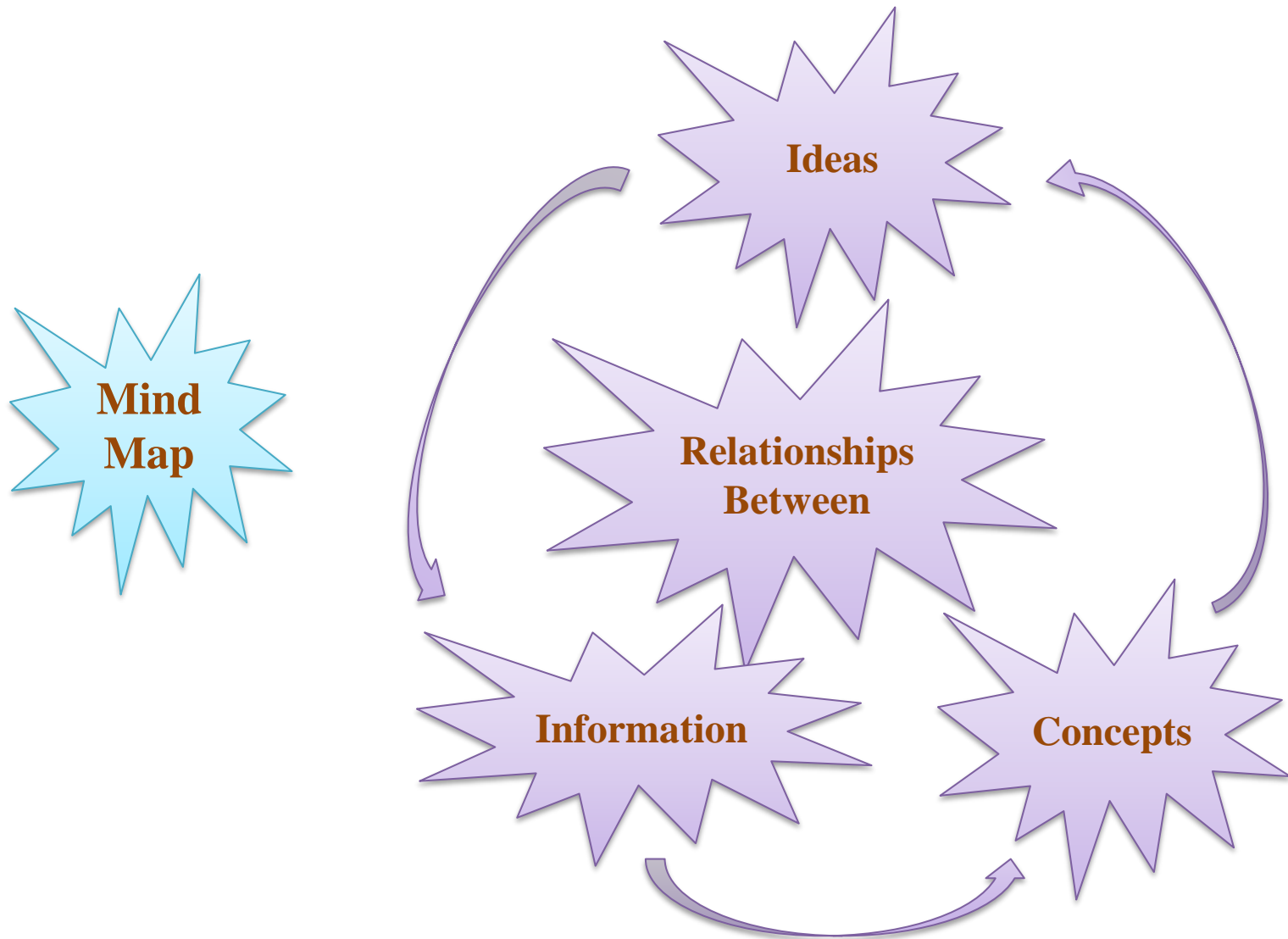
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# Mind mapping tools



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



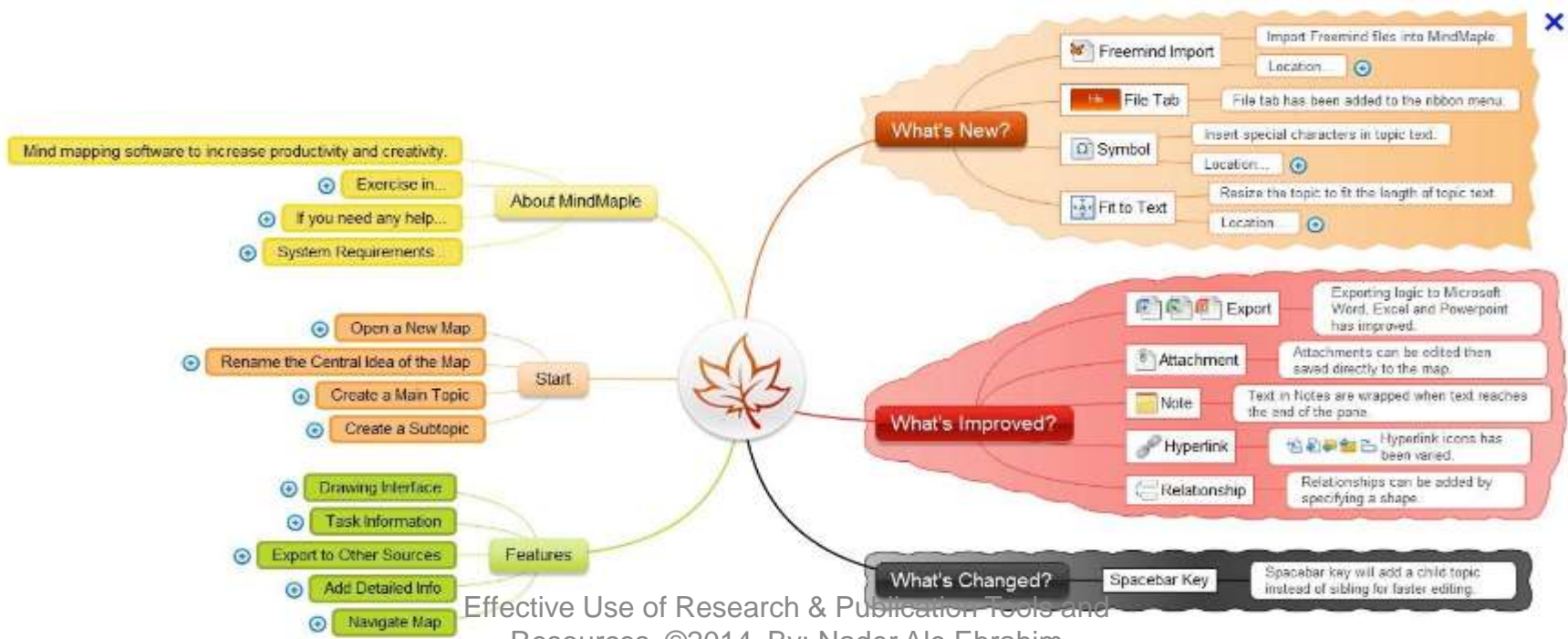
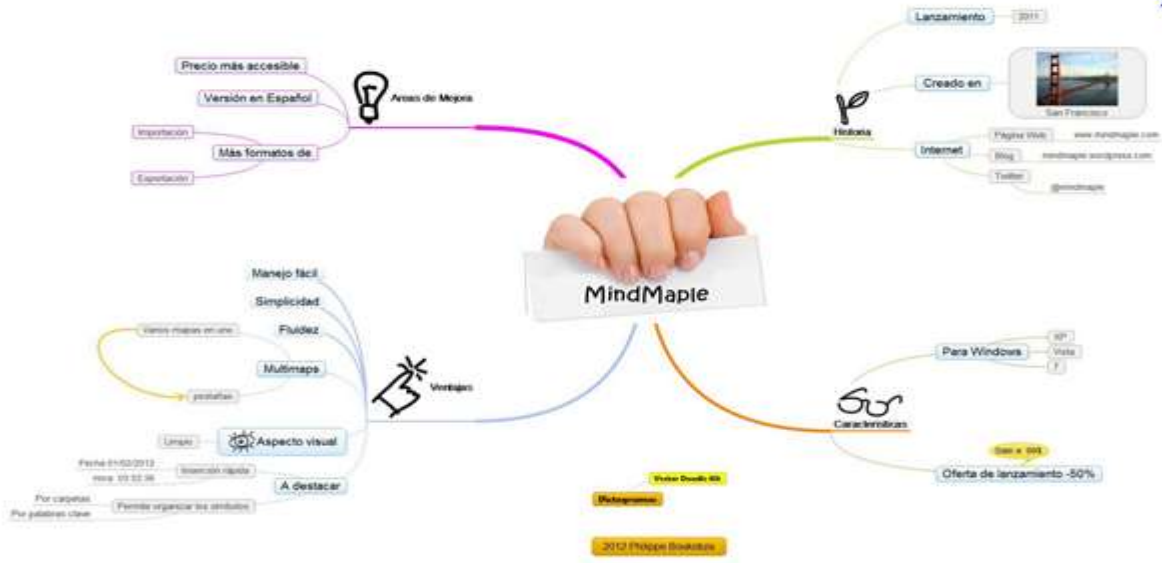
# Mind Map Tools



TEXT  MINDMAP



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



# Example: MinDomo



## ICT Tools and Resources for Schools, Teachers and Educators

Scavenger hunt with 70 kids  
and their smartphones -  
Success! Read more -->



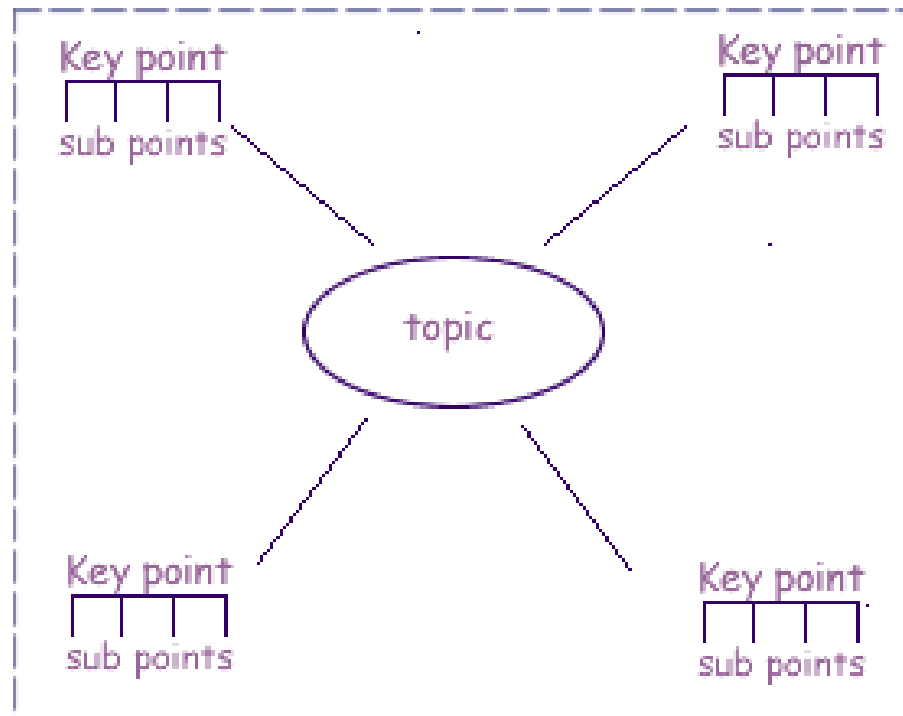
Mindomo



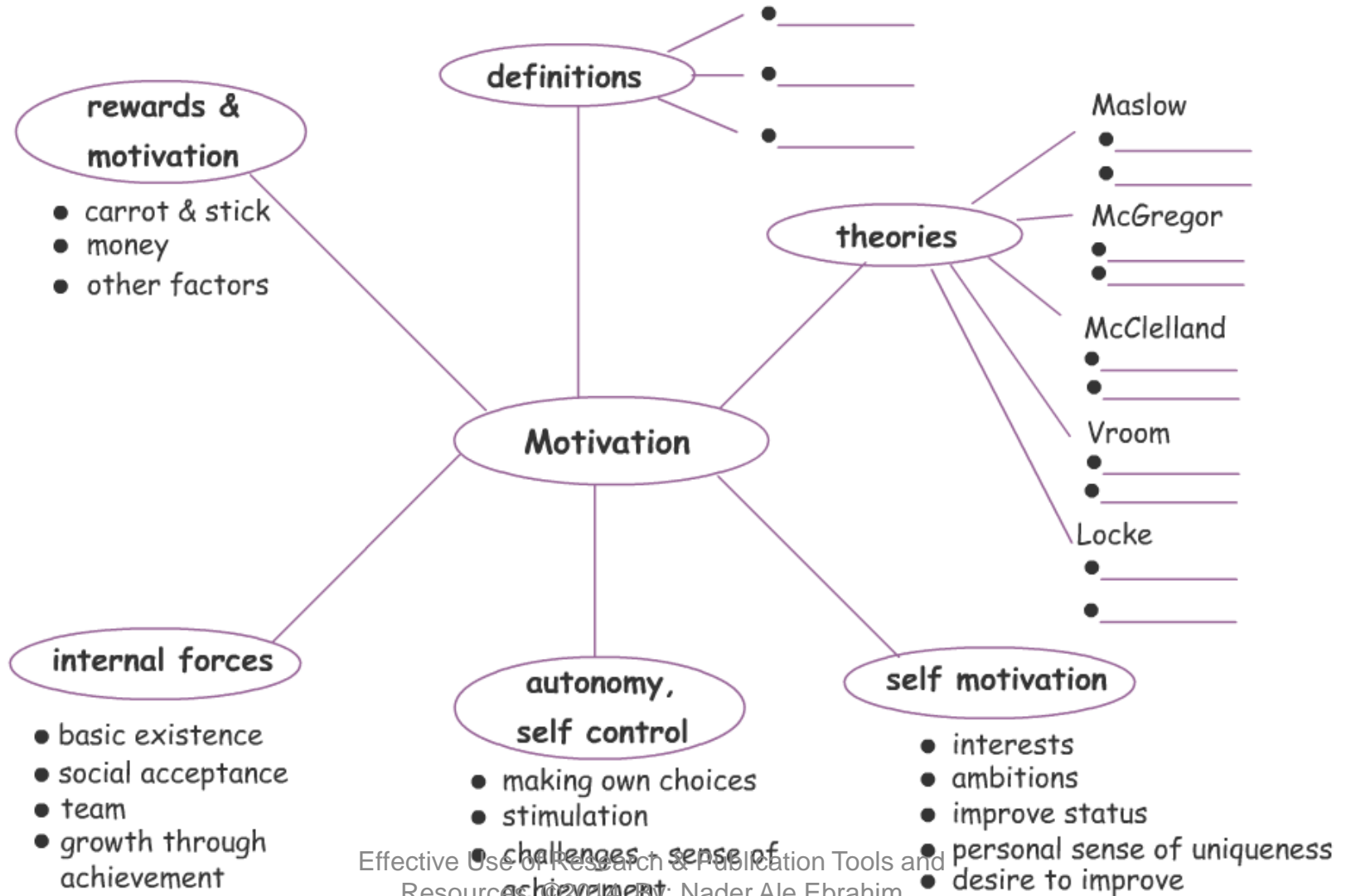
# Structure & planning your writing - MindMaps

MindMaps are a visual map to link and organise key concepts of your research. They also show links and relationships between ideas. Sometimes it is a good idea to number key ideas in the order that you are going to place them in your literature review.

## Example

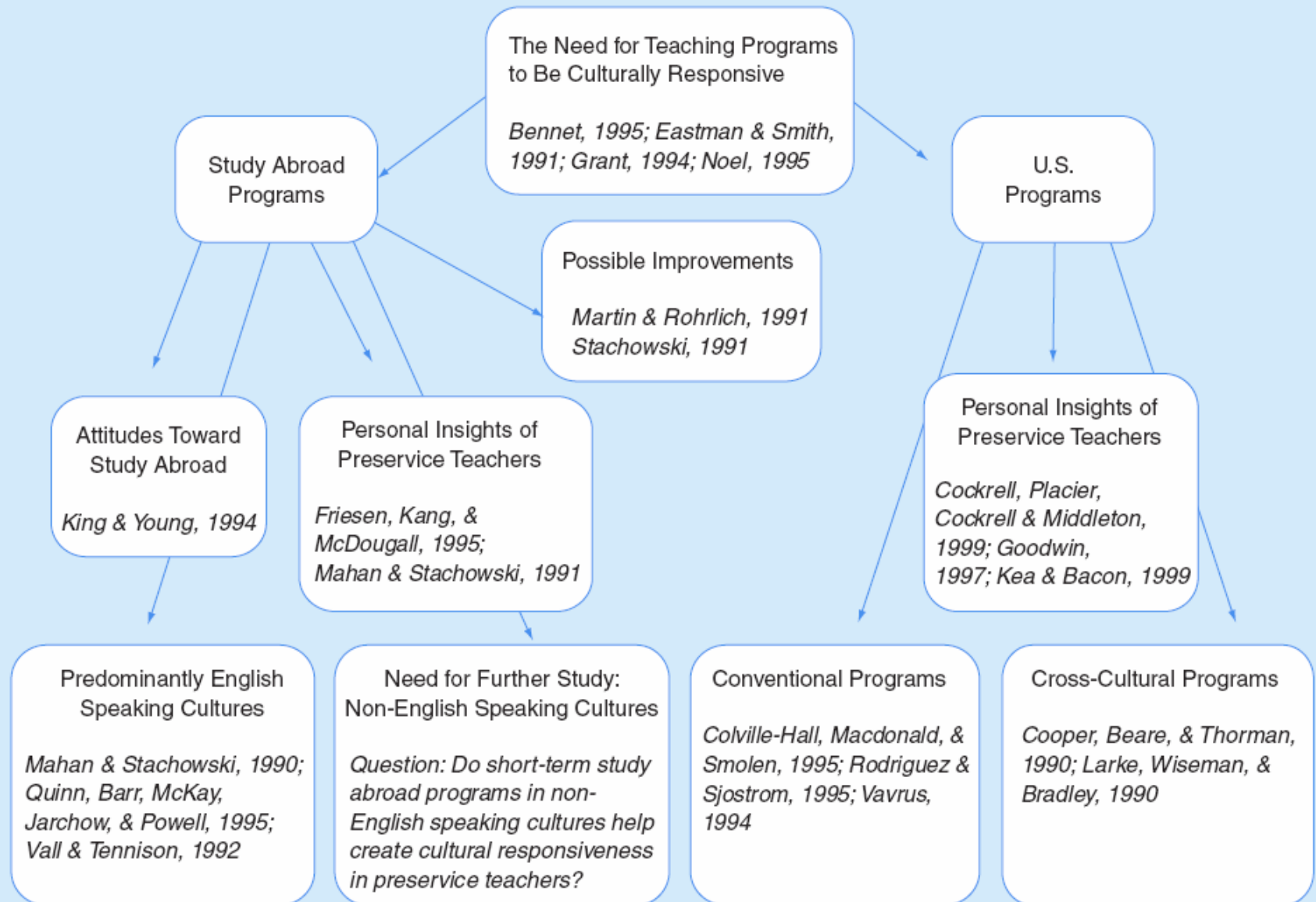


# Example of a MindMap



# A Literature Map, Hierarchical Design

## Literature Map



## A Literature Map, Circular Design

Need for Further Study:

Non-English Speaking Cultures

Question: "Do short-term study abroad programs in non-English speaking cultures help create cultural responsiveness in preservice teachers?"

### Study Abroad Programs

Personal Insights of Preservice Teachers (Friesen, Kang, & McDougall, 1995)

Attitudes Toward Study Abroad (King & Young, 1994)

Predominantly English Speaking Cultures (Mahan & Stachowski, 1990)

### U.S. Programs

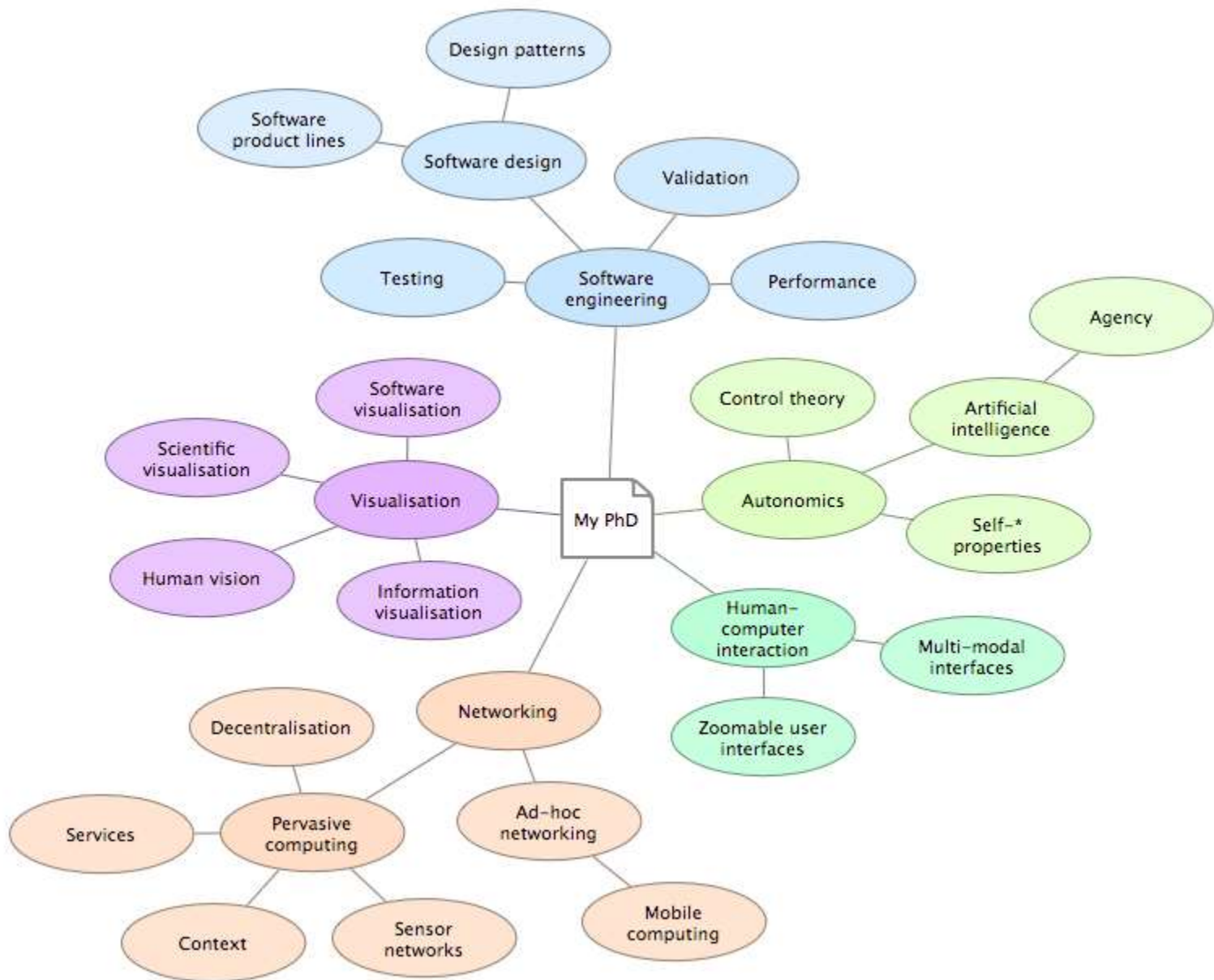
Personal Insights of Preservice Teachers (Cockrell, Placier, Cockrell, & Milleton, 1999)

Conventional Programs (Colville-Hall, Macdonald, & Smolen, 1995)

Cross-Cultural Programs (Cooper, Beare, & Thorman, 1990)

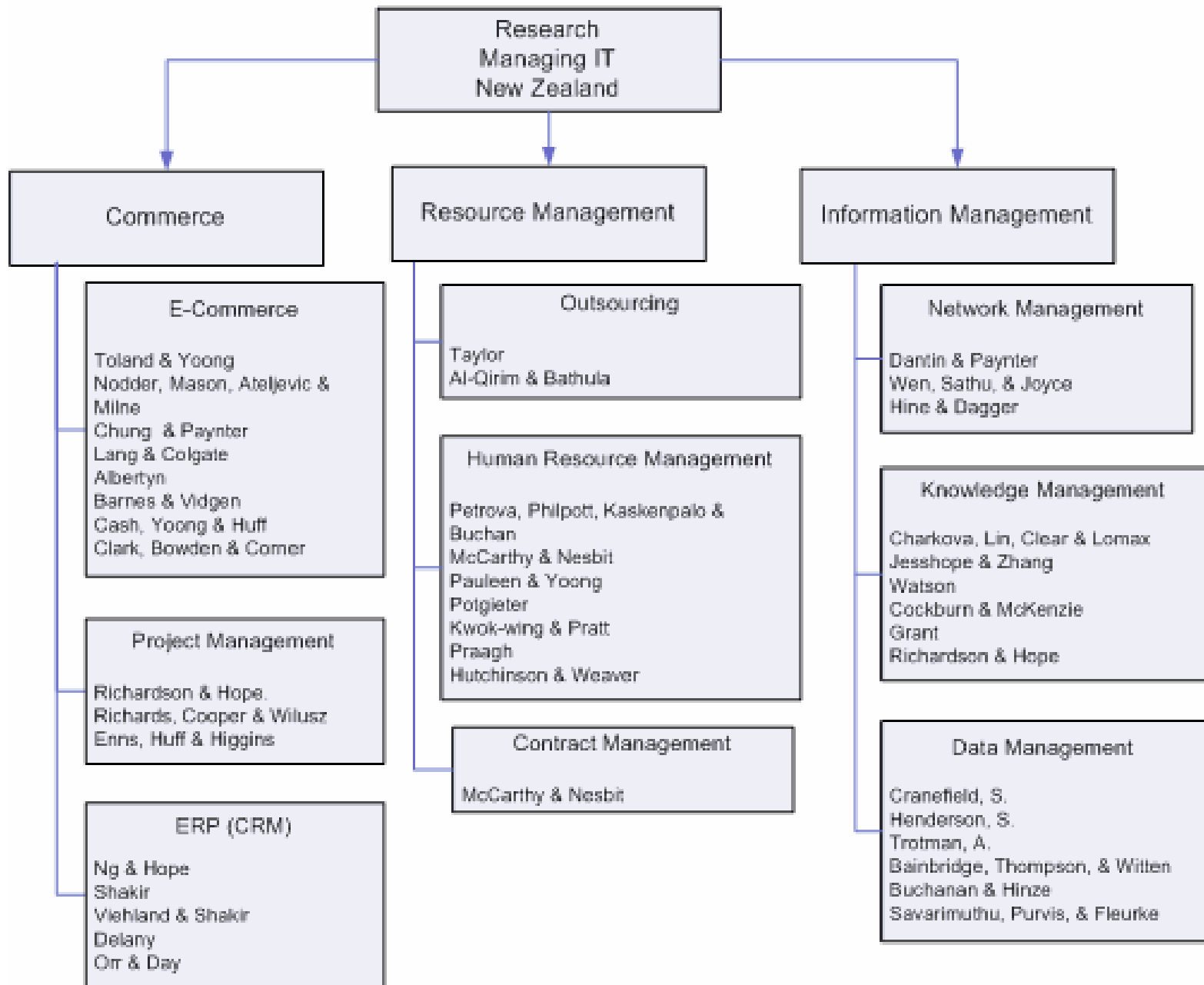
Effective Use of Research & Publication Tools and

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Source: Ross' PhD Literature Review Mind Map





# **How to Read a Paper**

# THE THREE-PASS APPROACH

## 1-The first pass

The first pass is a quick scan to get a bird's-eye view of the paper. You can also decide whether you need to do any more passes. This pass should take about **five to ten minutes** and consists of the following steps:

1. Carefully read the title, abstract, and introduction
2. Read the section and sub-section headings, but ignore everything else
3. Read the conclusions
4. Glance over the references, mentally ticking off the ones you've already read.

[Source: Keshav, S. \(2007\). How to read a paper. ACM SIGCOMM Computer Communication Review, 37\(3\), 83-84.](#)

# THE THREE-PASS APPROACH

## 1- The second pass

In the second pass, read the paper with greater care, but ignore details such as proofs. It helps to jot down the key points, or to make comments in the margins, as you read. The second pass should **take up to an hour**. You should be able to summarize the main idea of the paper, with supporting evidence, to someone else.

1. Look carefully at the figures, diagrams and other illustrations in the paper. Pay special attention to graphs.
2. Remember to mark relevant unread references for further reading (this is a good way to learn more about the background of the paper).

[Source: Keshav, S. \(2007\). How to read a paper. ACM SIGCOMM Computer Communication Review, 37\(3\), 83-84.](#)

# THE THREE-PASS APPROACH

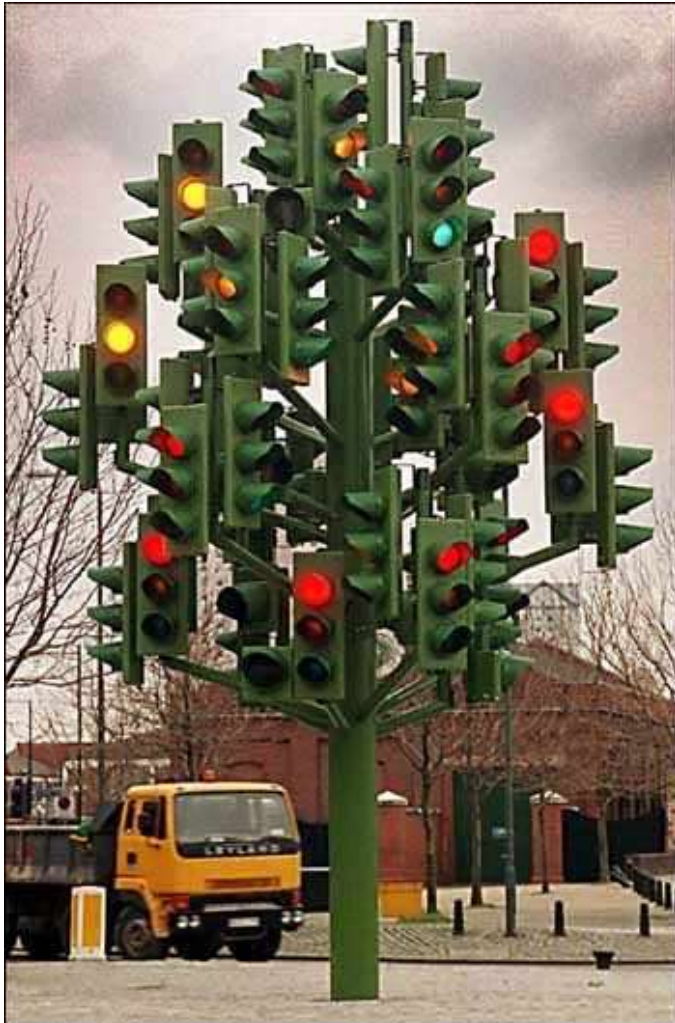
## 1- The third pass

To fully understand a paper, particularly if you are reviewer, requires a third pass. The key to the third pass is to attempt to virtually re-implement the paper: that is, making the same assumptions as the authors, re-create the work. By comparing this re-creation with the actual paper, you can easily identify not only a paper's innovations, but also its hidden failings and assumptions.

This pass can take **about four or five hours** for beginners, and about an hour for an experienced reader.

[Source: Keshav, S. \(2007\). How to read a paper. ACM SIGCOMM Computer Communication Review, 37\(3\), 83-84.](#)





# Thank you!

**Nader Ale Ebrahim, PhD**

=====  
[www.researcherid.com/rid/C-2414-2009](http://www.researcherid.com/rid/C-2414-2009)

<http://scholar.google.com/citations>

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