UNIVERSITY OF MALAYA

The Leader in Research & Innovation

RESEARCH SUPPORT UNIT (RSU)

Unit Sokongan Penyelidikan

LEVEL 2, CENTRE OF RESEARCH SERVICES

RESEARCH MANAGEMENT & INNOVATION COMPLEX

Part 2:
Finding proper articles

Conducting a Literature Search & Writing Review Paper

Part 2:
Finding proper articles

Conducting a Literature Search & Writing Review Paper

Nader Ale Ebrahim, PhD
BSc (Mech. Eng., Tehran), MSc (Mech. Eng., Tehran), PhD (Tech. Mang., UM)
==========
Research Support Unit
Centre of Research Services
Research Management & Innovation Complex
University of Malaya, Kuala Lumpur, Malaysia
www.researcherid.com/rid/C-2414-2009
http://scholar.google.com/citations

Outline

No.	Topic
Day 2:	
12	Evaluate a paper quality
13	H-index and g-index
14	Publish or Perish
15	Evaluate a journal quality
16	The Institute for Scientific Information (ISI)
17	Impact Factor-Journal Ranking
18	Keeping up-to-date (Alert system)
19	How to Read a Paper
20	Mind mapping tools
21	Indexing desktop search tool

Critically Analyzing Information Sources

1- Initial Appraisal:

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

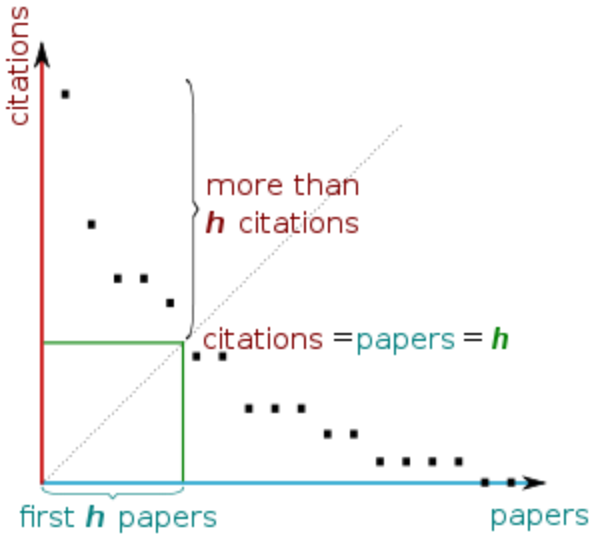
2- Content Analysis:

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

 ©2014 Nader Ale Ebrahim

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 Np papers have at least h citations each, and the other (Np-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

Paper ©2014 Nader Ale Ebrahim

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).

Paper ©2014 Nader Ale Ebrahim

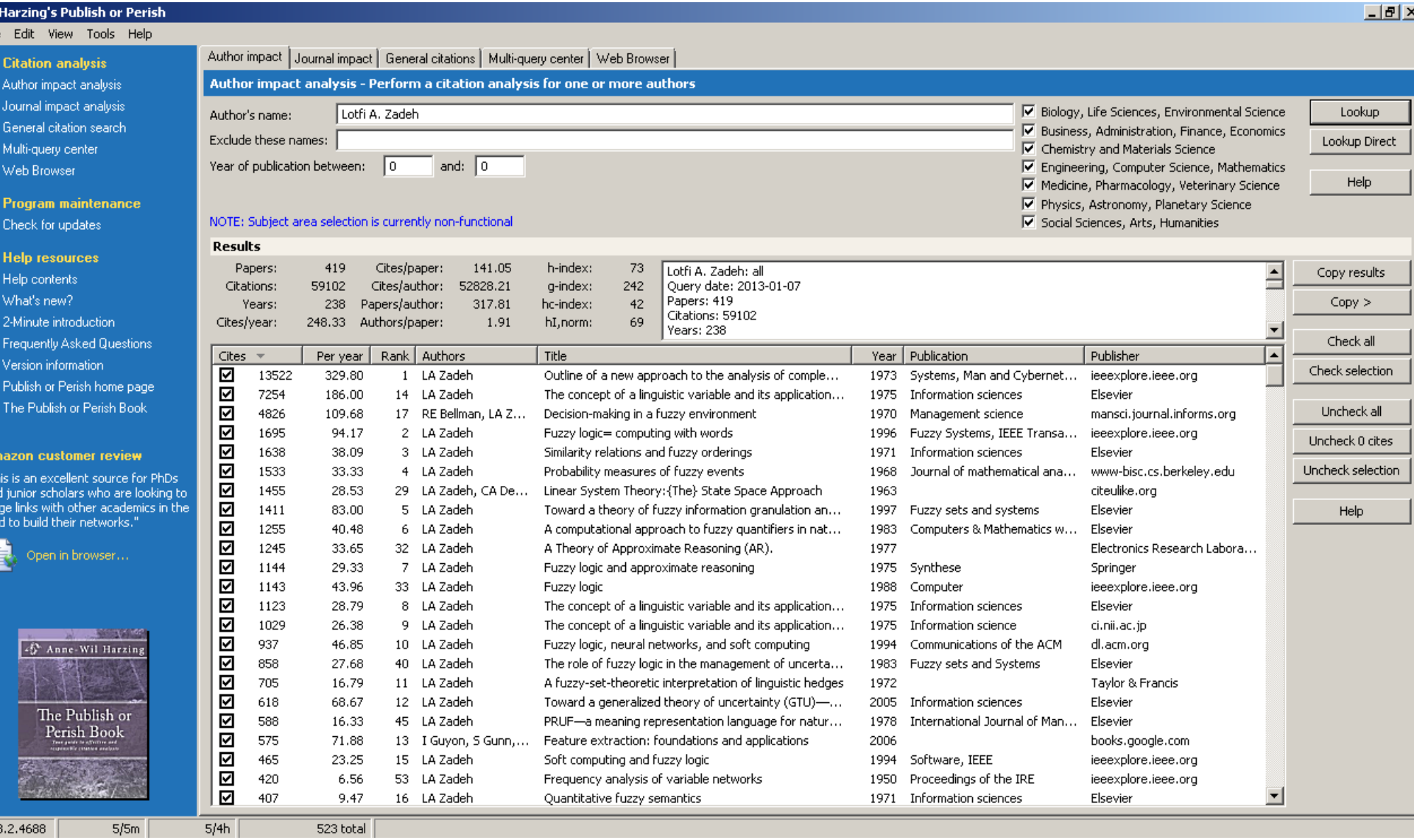
Publish or Perish

Publish or Perish is a free program that retrieves citations from Google Scholar and allows users to calculate:

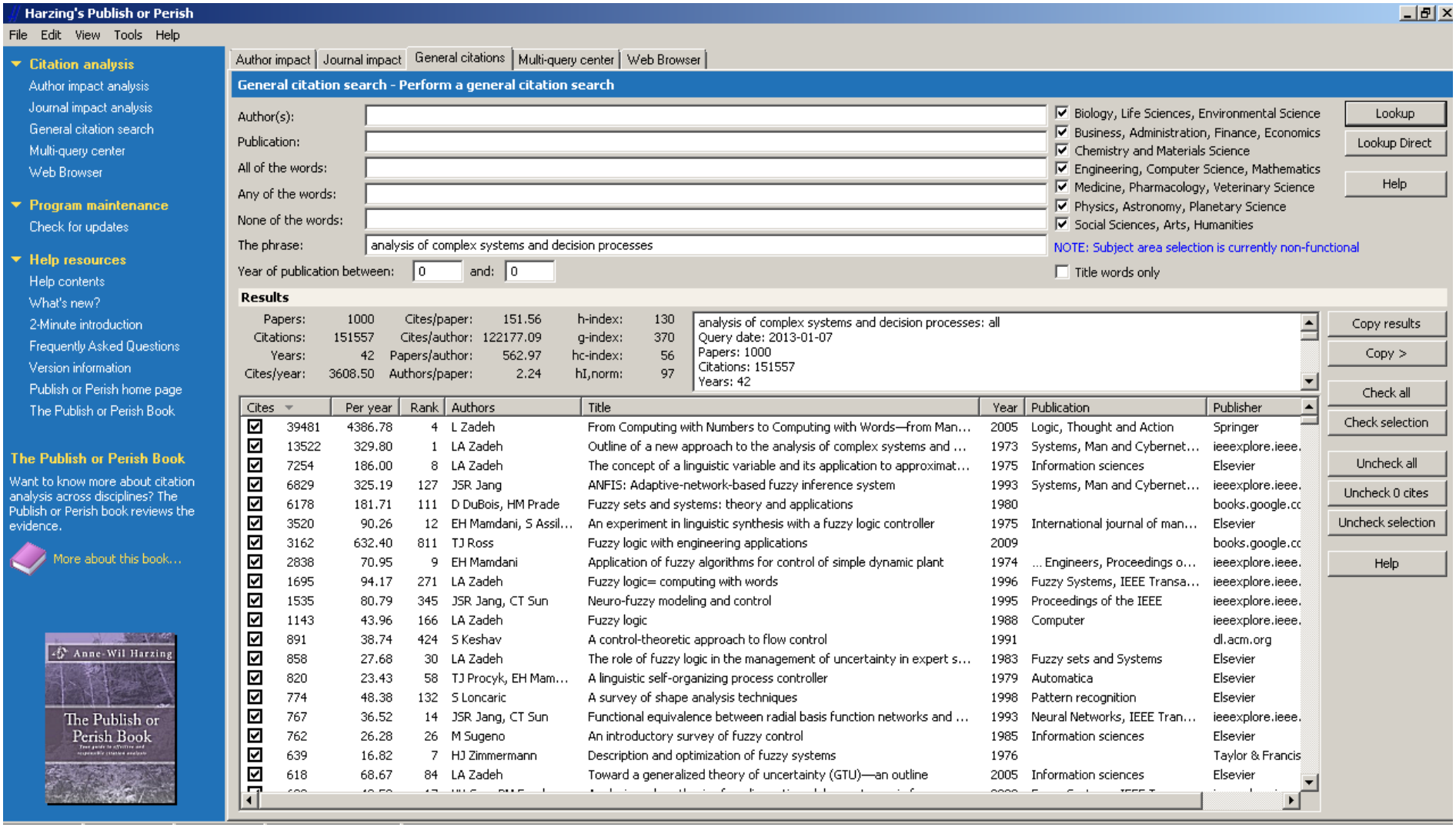
- Total number of papers
- Total number of citations
- Average number of citations per paper
- Average number of citations per author
- Average number of papers per author
- Average number of citations per year
- Hirsch's h-index and related parameters
- The contemporary h-index
- The age-weighted citation 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

Paper ©2014 Nader Ale Ebrahim

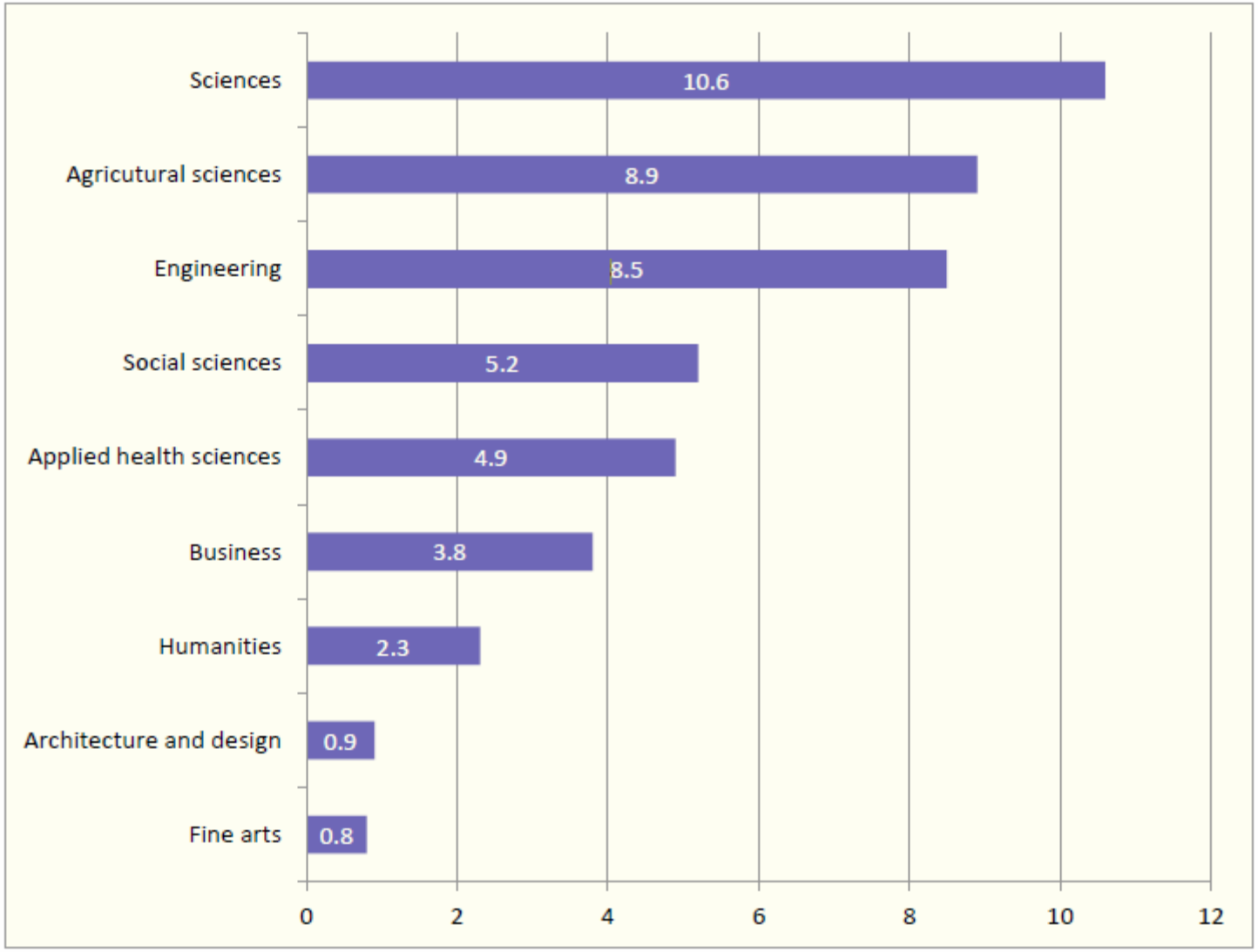


Paper ©2014 Nader Ale Ebrahim



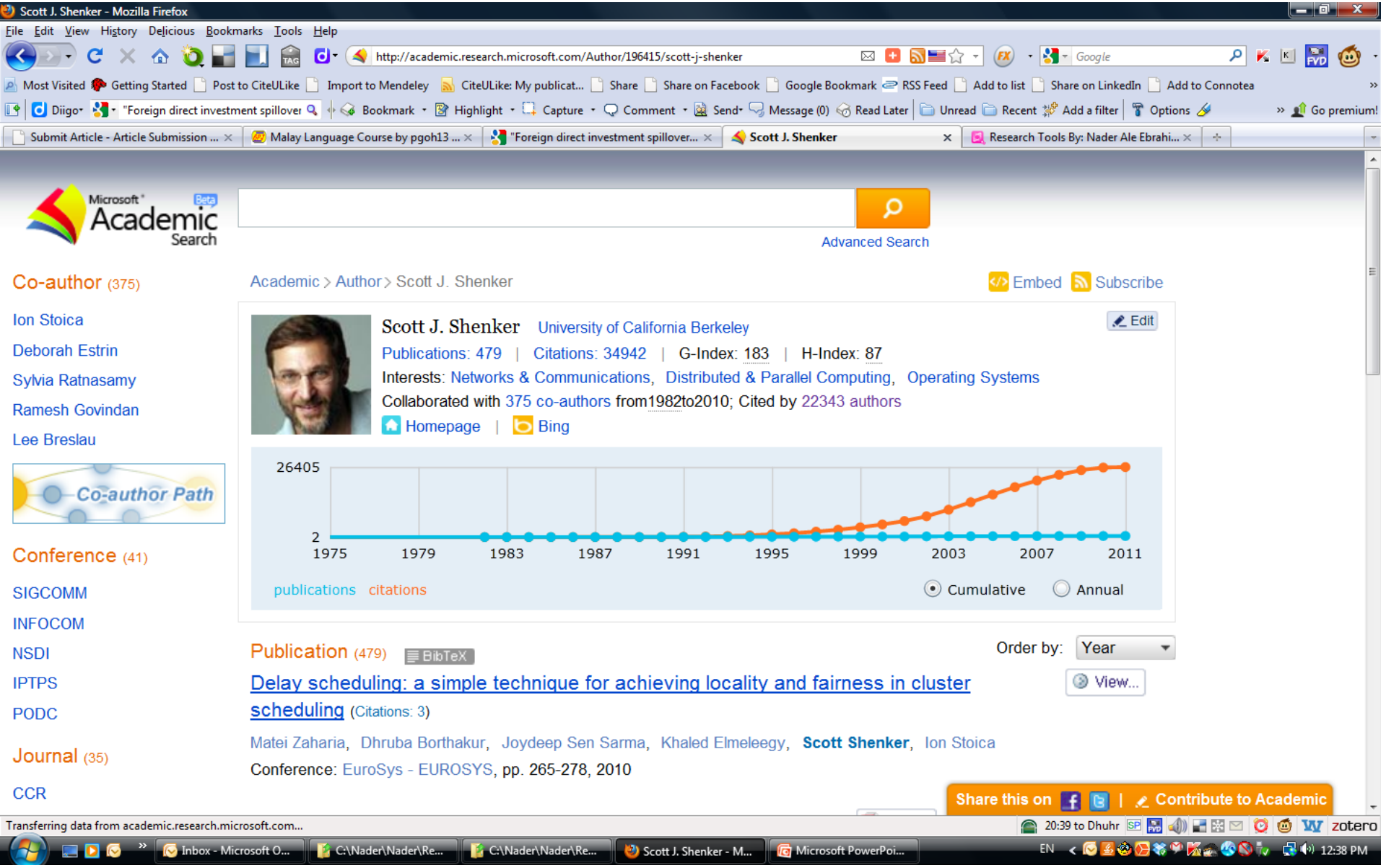
Paper ©2014 Nader Ale Ebrahim

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

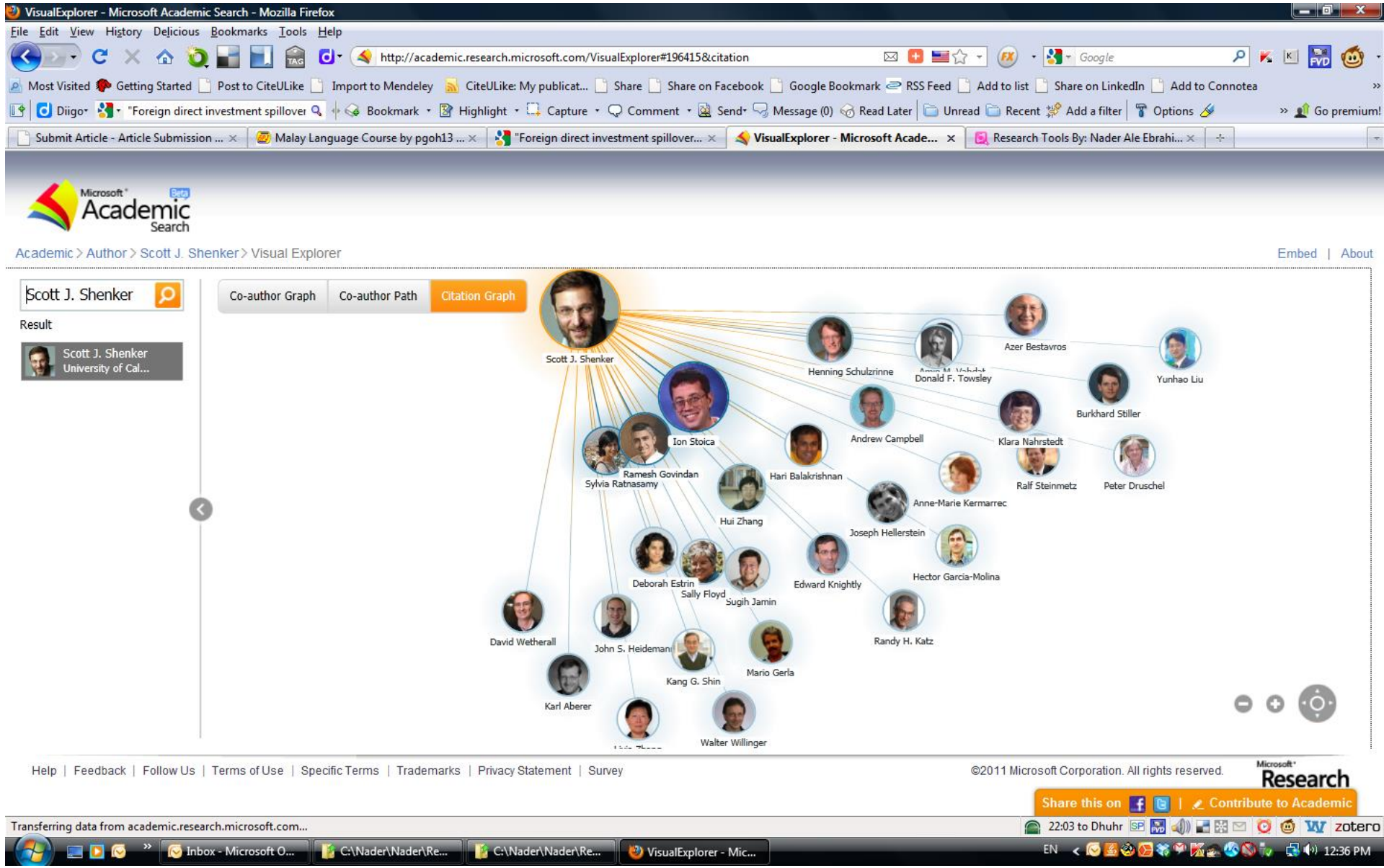


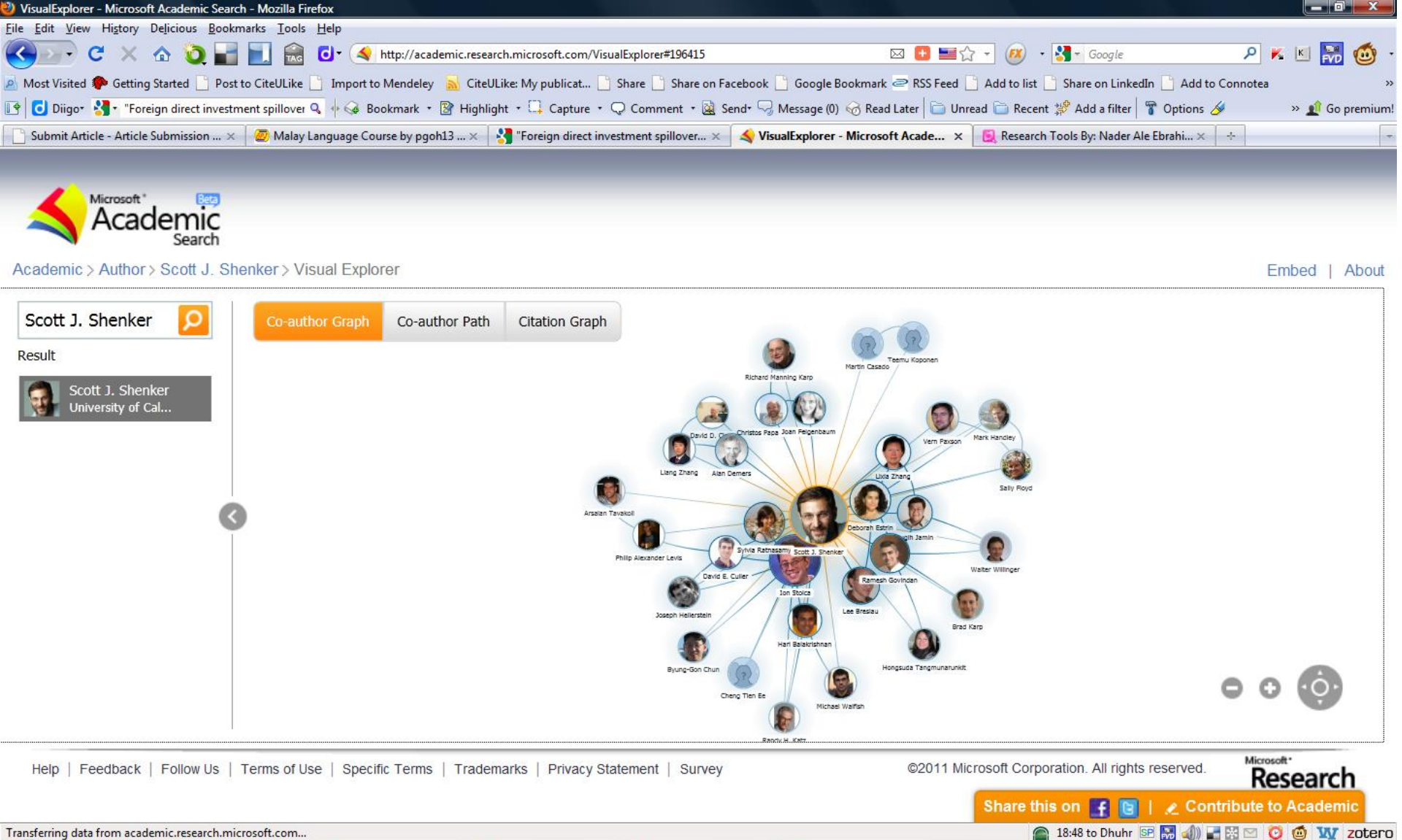
Source: Making Research Count: Analyzing Canadian Academic Publishing Cultures

Paper ©2014 Nader Ale Ebrahim



Paper ©2014 Nader Ale Ebrahim


VisualExplorer - Microsoft Academic Search - Mozilla Firefox
http://academic.research.microsoft.com/VisualExplorer#196415&citation
Microsoft Academic Search
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
Scott J. Shenker
Henning Schulzrinne
Donald F. Towsley
Azer Bestavros
Yunhao Liu
Burkhard Stiller
Ion Stoica
Andrew Campbell
Klara Nahrstedt
Ramesh Govindan
Sylvia Ratnasamy
Hari Balakrishnan
Ralf Steinmetz
Peter Druschel
Anne-Marie Kermarrec
Hui Zhang
Joseph Hellerstein
Deborah Estrin
Sally Floyd
Sugih Jamin
Edward Knightly
Hector Garcia-Molina
David Wetherall
John S. Heidemann
Randy H. Katz
Kang G. Shin
Mario Gerla
Karl Aberer
Walter Willinger
Help | Feedback | Follow Us | Terms of Use | Specific Terms | Trademarks | Privacy Statement | Survey
©2011 Microsoft Corporation. All rights reserved.
Microsoft Research
Share this on | Contribute to Academic
Transferring data from academic.research.microsoft.com...
22:03 to Dhuhr
12:36 PM

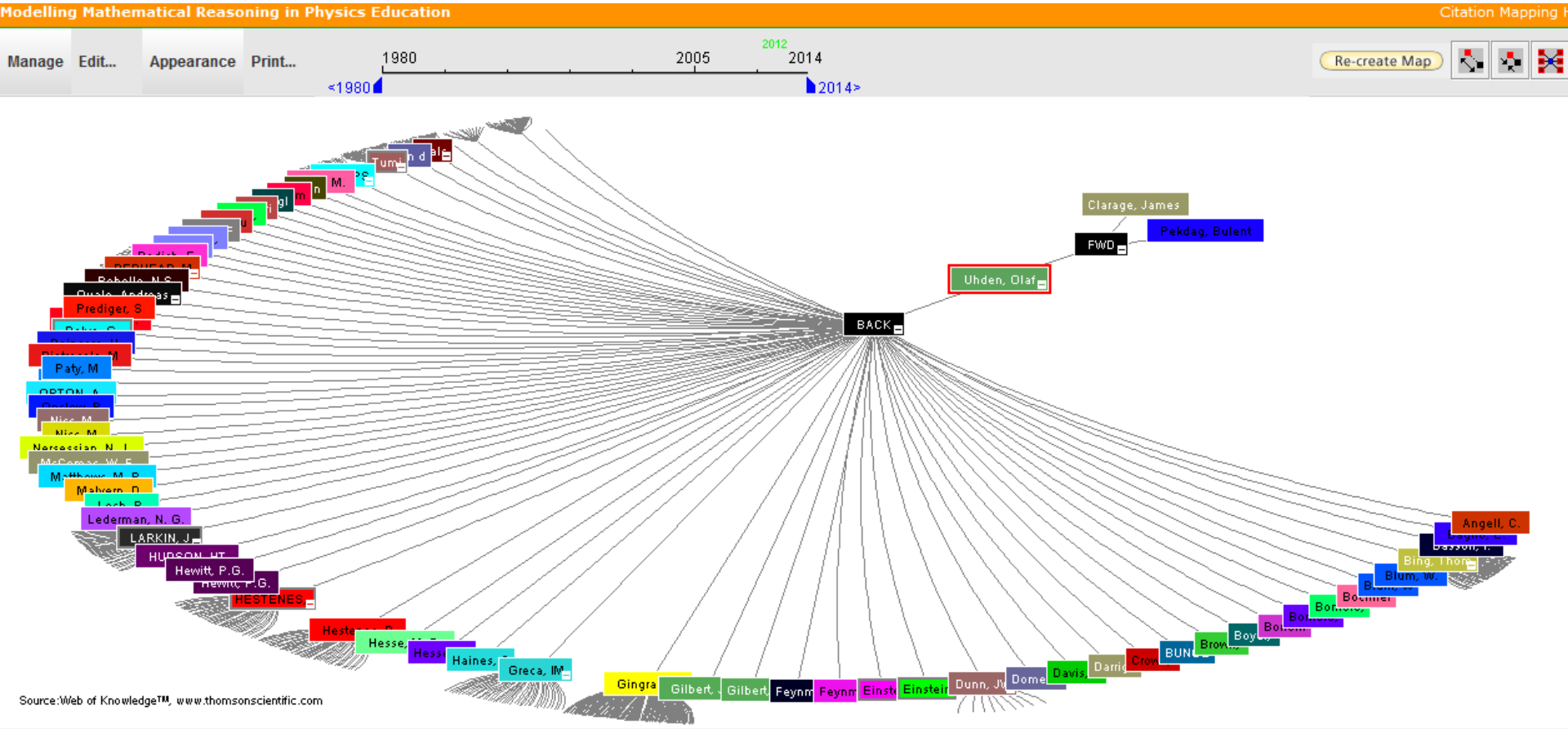

VisualExplorer - Microsoft Academic Search - Mozilla Firefox
File Edit View History Delicious Bookmarks Tools Help
http://academic.research.microsoft.com/VisualExplorer#196415
Most Visited Getting Started Post to CiteULike Import to Mendeley CiteULike: My publicat... Share Share on Facebook Google Bookmark RSS Feed Add to list Share on LinkedIn Add to Connotea
Diigo "Foreign direct investment spillover Bookmark Highlight Capture Comment Send Message (0) Read Later Unread Recent Add a filter Options Go premium!
Submit Article - Article Submission ... Malay Language Course by pgoh13 ... "Foreign direct investment spillover... VisualExplorer - Microsoft Acade... Research Tools By: Nader Ale Ebrahi...
Microsoft Academic Search Beta
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
Richard Manning Karp
Martin Casado
Teemu Koponen
Christos Papa
Joan Feigenbaum
Vern Paxson
Mark Handley
Liang Zhang
Alan Demers
Lixia Zhang
Sally Floyd
Arsalan Tavakoli
Deborah Estrin
Philip Alexander Levis
Sylvia Ratnasamy
Scott J. Shenker
David E. Culler
Walter Willinger
Ion Stoica
Ramesh Govindan
Joseph Hellerstein
Lee Breslau
Brad Karp
Hari Balakrishnan
Byung-Gon Chun
Hongsuda Tangmunarunkit
Cheng Tien Ee
Michael Walfish
Help | Feedback | Follow Us | Terms of Use | Specific Terms | Trademarks | Privacy Statement | Survey
©2011 Microsoft Corporation. All rights reserved.
Microsoft Research
Share this on | Contribute to Academic
Transferring data from academic.research.microsoft.com...
18:48 to Dhuhr
Inbox - Microsoft O... C:\Nader\Nader\Re... C:\Nader\Nader\Re... VisualExplorer - Mic... Microsoft PowerPoi...
EN 12:40 PM

Web of Science

- 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



Paper ©2014 Nader Ale Ebrahim

Sign In | Marked List (0) | My EndNote Web | My ResearcherID | My Citation Alerts | My Saved Searches | Log Out | Help

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

Search | Author Search | Cited Reference Search | Advanced Search | Search History

Web of Science®

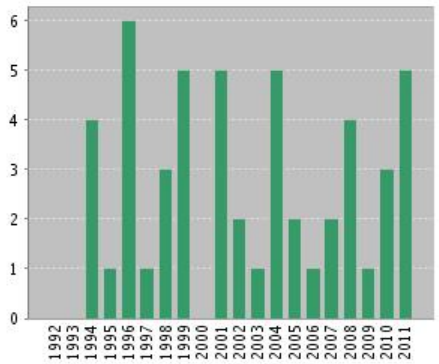
<< Back to previous page

Citation Report Distinct Author Summary: Zadeh, LA

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

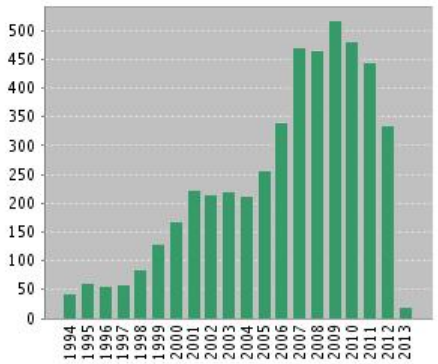
This report reflects citations to source items indexed within Web of Science. Perform a Cited Reference Search to include citations to items not indexed within Web of Science.

Published Items in Each Year



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

Citations in Each Year



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

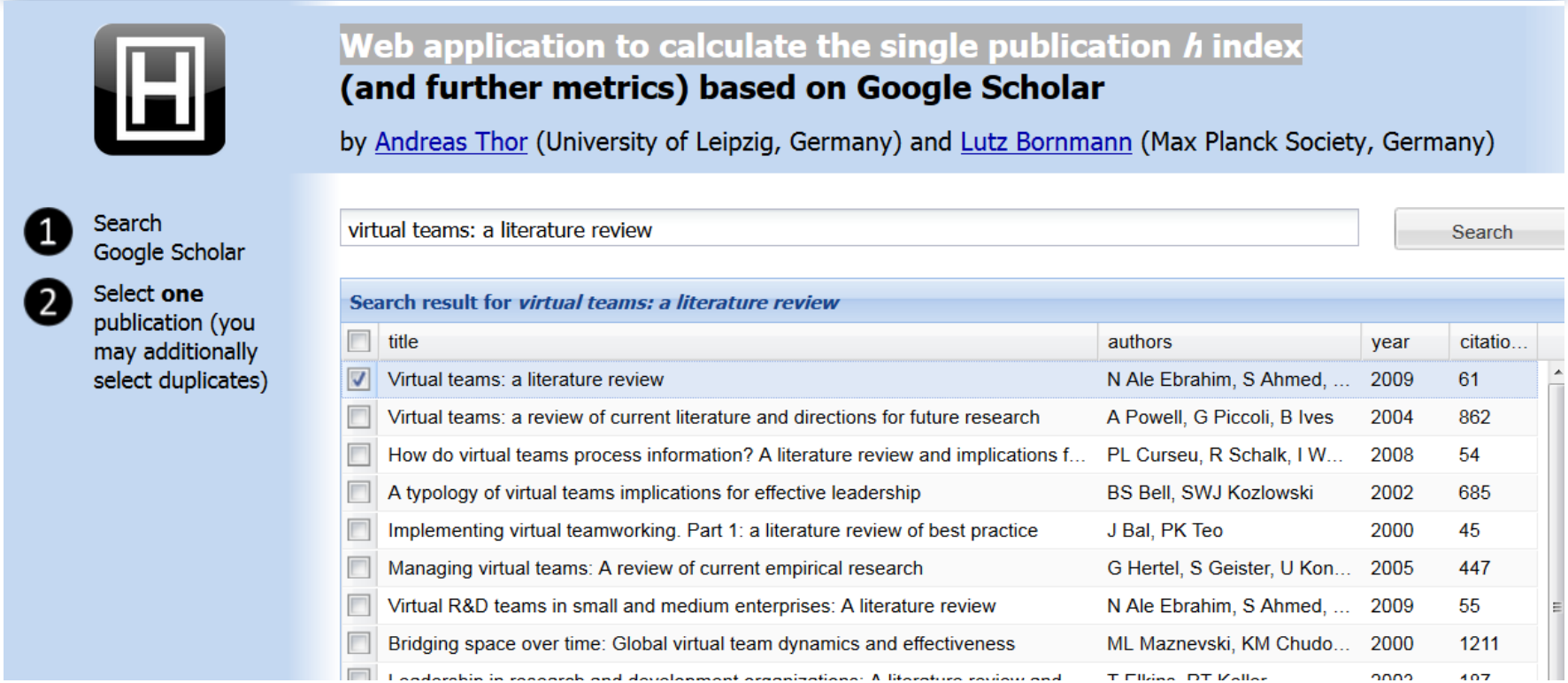
Results found:	**75**
Sum of the Times Cited [?]:	**5187**
Sum of Times Cited without self-citations [?]:	**5114**
Citing Articles[?]:	**4159**
Citing Articles without self-citations [?]:	**4130**
Average Citations per Item [?]:	**69.16**
h-index [?]:	**26**

Results: **75** Page 1 of 8 Go Sort by: Times Cited -- highest to lowest

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



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/

Paper ©2014 Nader Ale Ebrahim

For More Info.

How to do an Effective Literature Search?

Application Training Module Series I
by Customer Education Team

ts.training.asia@thomson.com

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.

1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2007 2008

Science Citation Index

Social Sciences Citation Index

Arts & Humanities Citation Index

ISI Web of Knowledge

WOK 4.0

SciSearch

Custom citation projects and national indicators - mainframe

PC-based citation sets

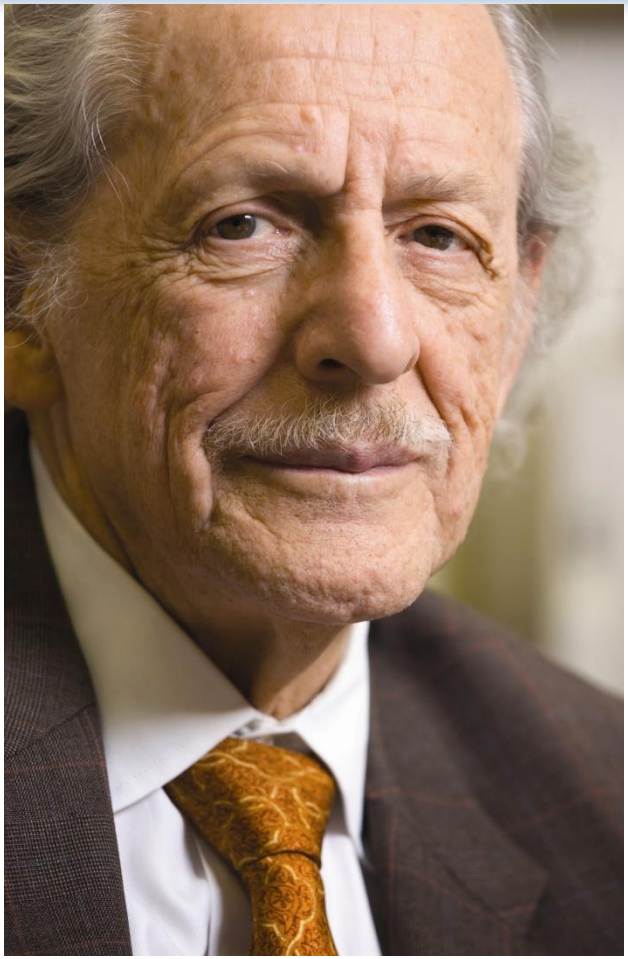
PC-based Indicators for journals, nations, institutions

Essential Science Indicators

Century of Science

TS Innovation

Eugene Garfield, Ph.D.



Founder & Chairman Emeritus
Institute for Scientific Information (ISI)

For more Info

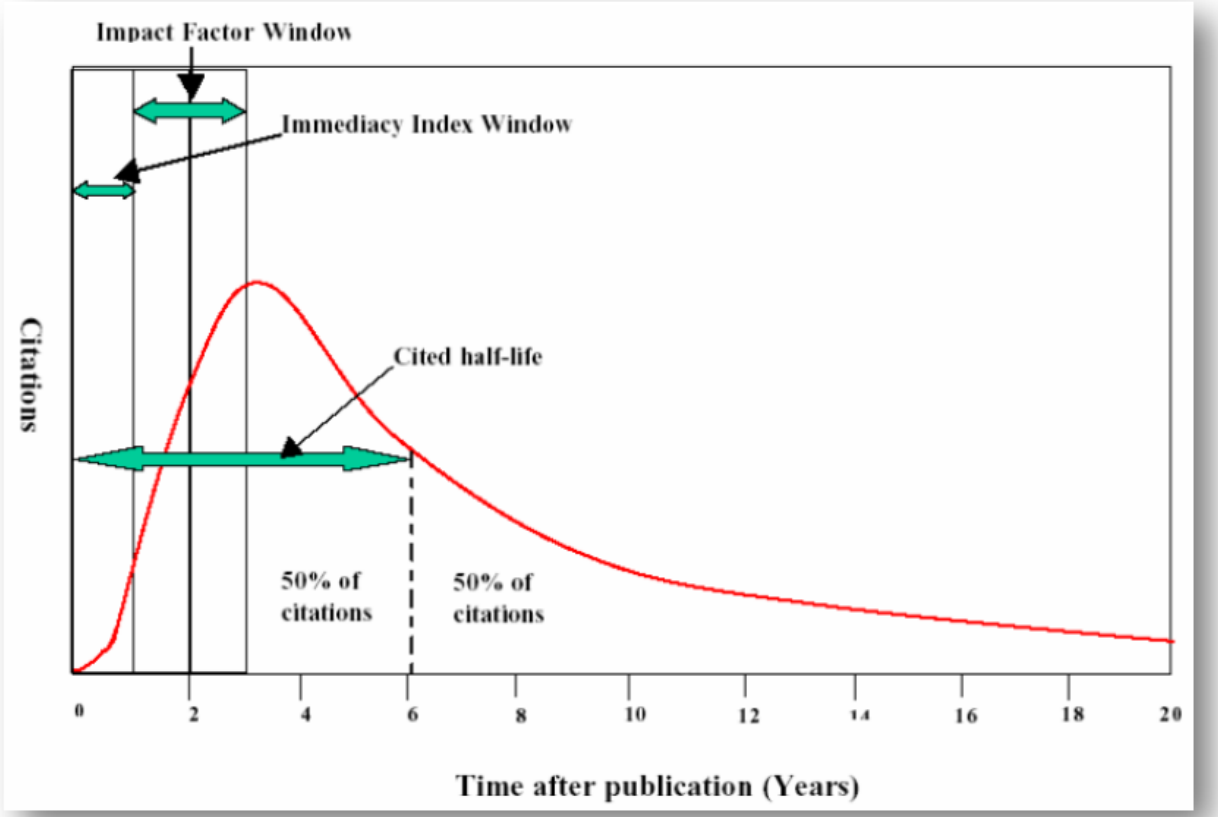
The Institute for Scientific Information (ISI)

- 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.

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



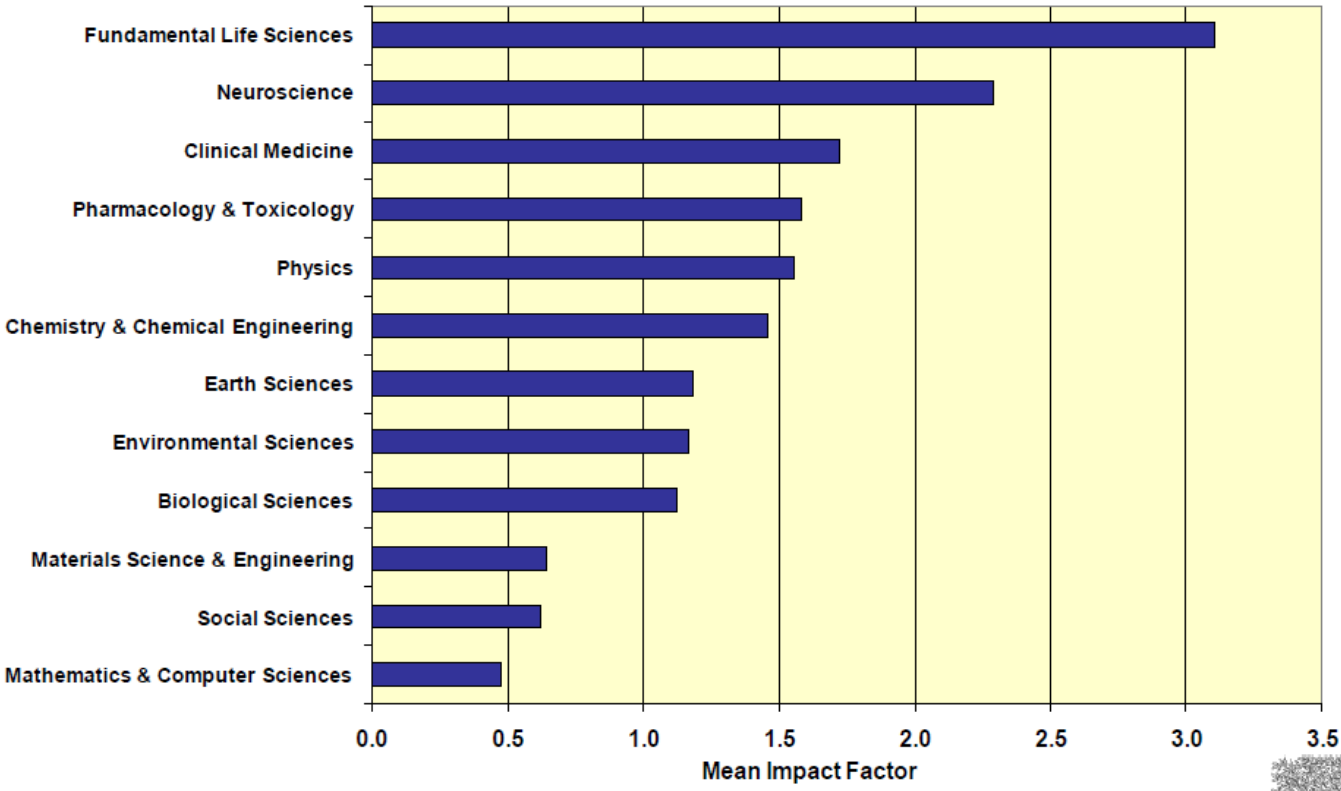
ELSEVIER

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

Impact Factor-Journal Ranking

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

Influences on Impact Factors: Subject Area



32

ELSEVIER

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

What are journal impact factors?

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

Impact factors can be used to:

identify journals in which to publish

identify journals relevant to your research

confirm the status of journals in which you have published

The Impact factor formula

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

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

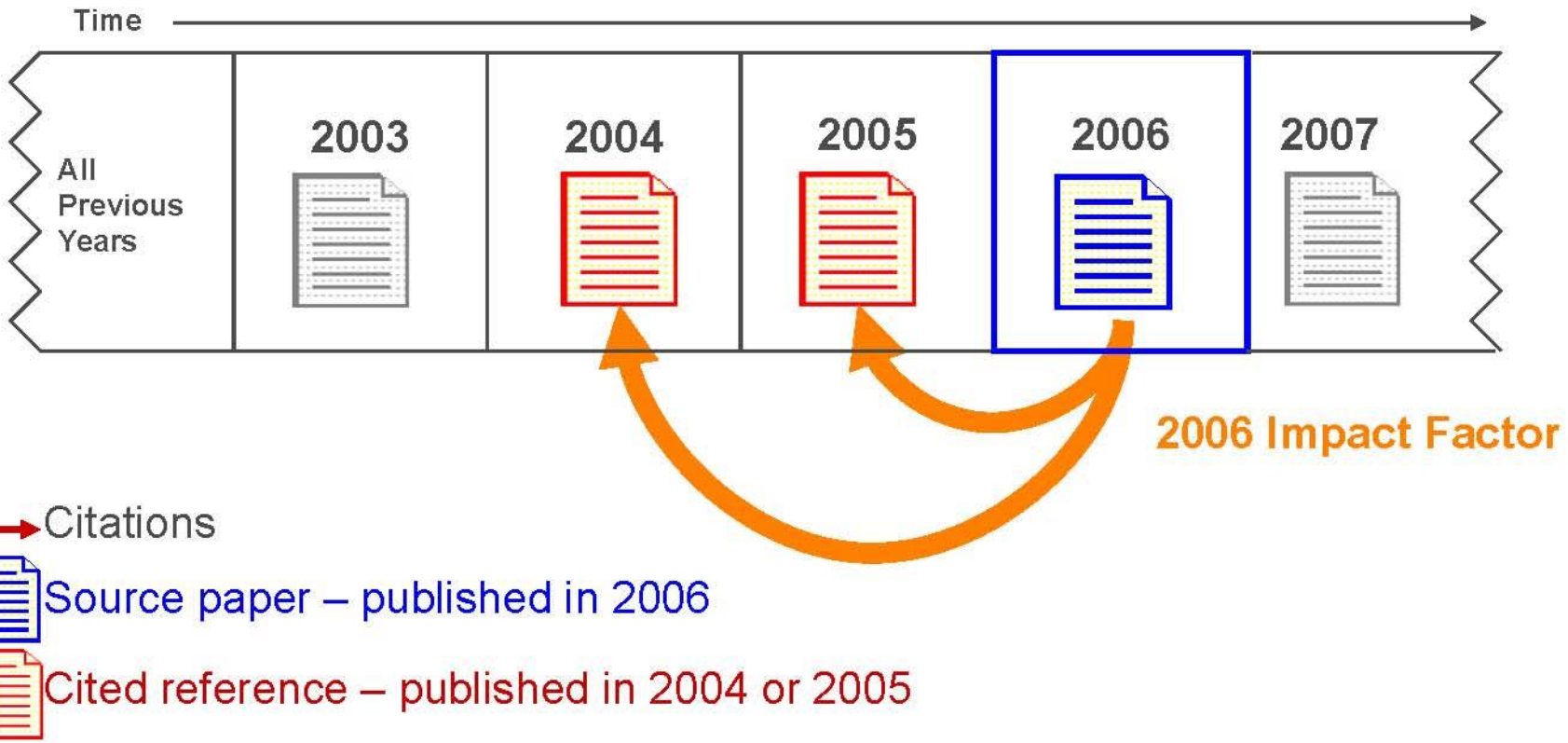
If an impact factor is lower than 1.0 that means there were more articles published in the journal than there were cites to those articles in any given year.

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

Be aware that...

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

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



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

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

Paper ©2014 Nader Ale Ebrahim

INTERNATIONAL JOURNAL OF PRODUCTION RESEARCH
Impact Factor in 2008

Cites in 2008 to items published in:			Number of items published in:		
	2007 =	144		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**

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Journal...
http://admin-apps.isiknowledge.com/JCR/JCR?RQ=RECORD&rank=2&journal=INT+J+PROD+RES
SurveyMonkey UM CIMB UM Library SOCOLNET ISI ResearcherID EndNote EJSR AJBAS IMDS Nader TDF ISI Web Other bookmarks

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
☐	INT J PROD RES	0020-7543	5900	0.774	1.380	0.132	325	9.0	9.8

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 — 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

Eigenfactor™ Metrics
Eigenfactor™ Score
0.01042
Article Influence™ Score
0.360

Journal Impact Factor

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

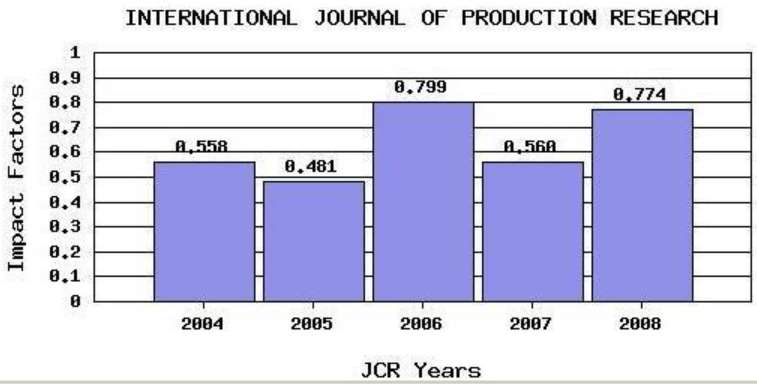
Calculation: Cites to recent items 424 / Number of recent items 548 = **0.774**

Paper ©2014 Nader Ale Ebrahim

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Impact...
http://admin-apps.isiknowledge.com/JCR/JCR?RQ=IMPACT&rank=2&journal=INT+J+PROD+RES
SurveyMonkey | UM | CIMB | UM Library | SOCOLNET | ISI | ResearcherID | EndNote | EJSR | AJBAS | IMDS | Nader | TDF | ISI Web | Other bookmarks

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: Cites to recent articles 424 = **0.774**
Number of recent articles 548

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: Cites to recent articles 292 = **0.560**
Number of recent articles 521

Paper ©2014 Nader Ale Ebrahim

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Journal...
http://admin-apps.isiknowledge.com/JCR/JCR?RQ=RECORD&rank=2&journal=INT+J+PROD+RES
SurveyMonkey UM CIMB UM Library SOCOLNET ISI ResearcherID EndNote EJSR AJBAS IMDS Nader TDF ISI Web Other bookmarks

ISI Web of Knowledge℠

Journal Citation Reports®

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
☐	INT J PROD RES	0020-7543	5900	0.774	1.380	0.132	325	9.0	9.8

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 — 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

Eigenfactor™ Metrics
Eigenfactor™ Score
0.01042
Article Influence™ Score
0.360

Journal Rank in Categories: JOURNAL RANKING

Journal Impact Factor

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

Calculation: Cites to recent items 424 / Number of recent items 548 = **0.774**

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Impact...
http://admin-apps.isiknowledge.com/JCR/JCR?RQ=IF_CAT_BOXPLOT&rank=2&journal=INT+J+PROD+RES
SurveyMonkey | UM | CIMB | UM Library | SOCOLNET | ISI | ResearcherID | EndNote | EJSR | AJBAS | IMDS | Nader | TDF | ISI Web | Other bookmarks

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**.

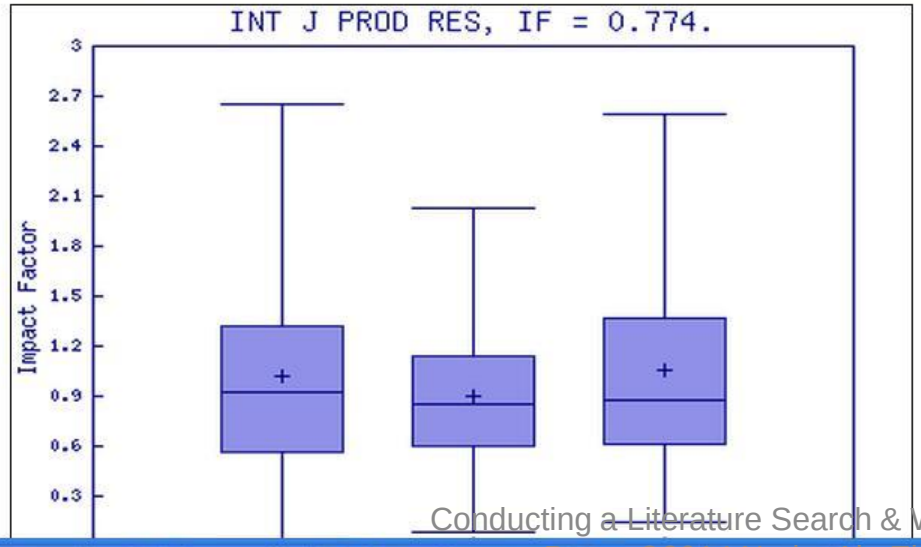
This table shows the ranking of this journal in its subject categories based on Impact Factor.

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.



Conducting a Literature Search & Writing Review
Paper ©2014 NaderAli Ebrahim

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Journal...
http://admin-apps.isiknowledge.com/JCR/JCR
SurveyMonkey UM CIMB UM Library SOCOLNET ISI ResearcherID EndNote EJSR AJBAS IMDS Nader TDF ISI Web Other bookmarks

ISI Web of Knowledge℠

Journal Citation Reports®

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 SORT AGAIN

Journals 1 - 20 (of 33)

[1 | 2]

Page 1 of 2

MARK ALL UPDATE MARKED LIST

Impact Factor

Ranking is based on your journal and sort selections.

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data						*Eigenfactor*™ Metrics	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	*Eigenfactor*™ Score	*Article Influence*™ Score
☐	1	APPL ERGON	0003-6870	1719	1.250	1.419	0.489	88	8.2	0.00333	0.404
☐	2	CIRP ANN-MANUF TECHN	0007-8506	3771	1.123	1.514	0.094	149	>10.0	0.00474	0.307
☐	3	COMPUT IND ENG	0360-8352	2389	1.057	1.637	0.209	139	9.0	0.00438	0.437
☐	4	COMPUT OPER RES	0305-0548	3389	1.366	1.789	0.318	261	6.1	0.01317	0.673
☐	5	ERGONOMICS	0014-0139	4167	1.604	1.729	0.110	127	>10.0	0.00525	0.436
☐	6	IEEE IND APPL MAG	1077-2618	484	0.529	0.698	0.043	46	7.0	0.00144	0.306
☐	7	IEEE T ENG MANAGE	0018-9391	1507	1.156	2.153	0.152	46	8.2	0.00312	0.655
☐	8	IEEE T IND INFORM	1551-3203	227	2.356	2.565	0.286	28	2.6	0.00069	0.364
☐	9	IIE TRANS	0740-817X	2656	1.023	1.373	0.144	90	>10.0	0.00659	0.673
☐	10	IND MANAGE DATA SYST	0263-5577	720	0.945	1.237	0.042	72	5.0	0.00179	0.228
☐	11	IND ROBOT	0143-991X	245	0.404	0.471	0.073	55	5.6	0.00068	0.110
☐	12	INT J IND ENG-THEORY	1072-4761	131	0.123	0.257			6.4	0.00046	0.087
☐	13	INT J IND ERGONOM	0169-8141	1288	0.760	0.995	0.071	99	8.3	0.00230	0.245
☐	14	INT J PROD ECON	0925-5273	4733	2.026	2.767	0.344	358	5.9	0.01131	0.612
☐	15	INT J PROD RES	0020-7543	5900	0.774	1.380	0.132	325	9.0	0.01042	0.360
☐	16	ISSUES SCI TECHNOL	0748-5492	229	0.825	0.510	0.086	35	6.8	0.00111	0.255
☐	17	J CONSTR ENG M ASCE	0733-9364	1410	0.564	0.954	0.049	103	7.7	0.00292	0.234

Conducting a Literature Search & Writing Review
Paper ©2014 NaderAly Ebrahim

Scribd | Research tools By: N... | Virtual R&D teams in ... | ISI Web of Knowledg... | JCR-Web 4.5 Journal...
http://admin-apps.isiknowledge.com/JCR/JCR?RQ=LIST_SUMMARY_JOURNAL
SurveyMonkey UM CIMB UM Library SOCOLNET ISI ResearcherID EndNote EJSR AJBAS IMDS Nader TDF ISI Web Other bookmarks

ISI Web of Knowledge℠

Journal Citation Reports®

WELCOME HELP

2008 JCR Science Edition

Journal Summary List

Journal Title Changes

Journals from: subject categories ENGINEERING, INDUSTRIAL VIEW CATEGORY SUMMARY LIST

Sorted by: Impact Factor SORT AGAIN

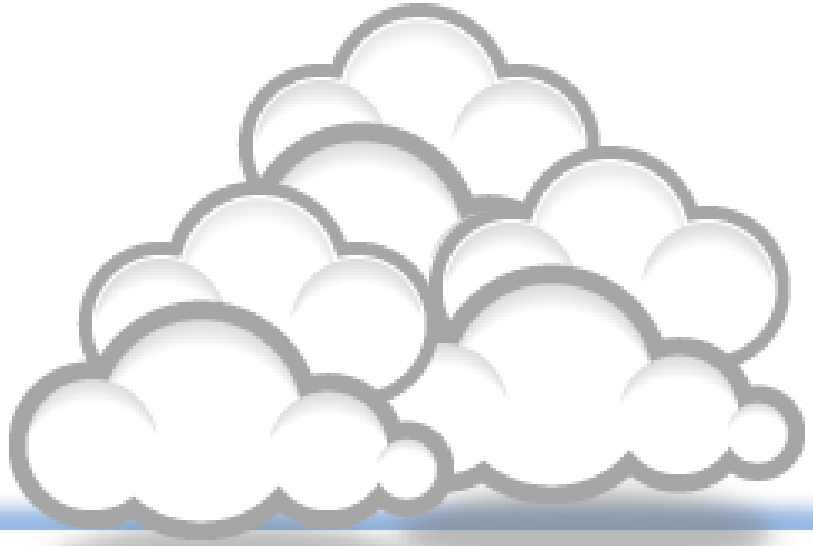
Journals 1 - 20 (of 33) [1 | 2] Page 1 of 2

MARK ALL UPDATE MARKED LIST

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

Mark	Rank	Abbreviated Journal Title (linked to journal information)	ISSN	JCR Data						*Eigenfactor*™ Metrics	
				Total Cites	Impact Factor	5-Year Impact Factor	Immediacy Index	Articles	Cited Half-life	*Eigenfactor*™ Score	*Article Influence*™ Score
☐	1	J PROD INNOVAT MANAG	0737-6782	1832	2.650	3.607	0.121	33	9.5	0.00285	0.953
☐	2	IEEE T IND INFORM	1551-3203	227	2.356	2.565	0.286	28	2.6	0.00069	0.364
☐	3	INT J PROD ECON	0925-5273	4733	2.026	2.767	0.344	358	5.9	0.01131	0.612
☐	4	TECHNOVATION	0166-4972	1477	1.907	1.871	0.183	71	4.7	0.00327	0.312
☐	5	J QUAL TECHNOL	0022-4065	1765	1.837	2.007	0.156	32	>10.0	0.00301	0.955
☐	6	ERGONOMICS	0014-0139	4167	1.604	1.729	0.110	127	>10.0	0.00525	0.436
☐	7	RELIAB ENG SYST SAFE	0951-8320	2490	1.379	1.666	0.304	168	6.6	0.00790	0.549
☐	8	COMPUT OPER RES	0305-0548	3389	1.366	1.789	0.318	261	6.1	0.01317	0.673
☐	9	RES ENG DES	0934-9839	559	1.320	2.056	0.133	15	8.1	0.00091	0.569
☐	10	APPL ERGON	0003-6870	1719	1.250	1.419	0.489	88	8.2	0.00333	0.404
☐	11	IEEE T ENG MANAGE	0018-9391	1507	1.156	2.153	0.152	46	8.2	0.00312	0.655
☐	12	J MATER PROCESS TECH	0924-0136	11836	1.143	1.402	0.154	927	6.0	0.03738	0.412
☐	13	CIRP ANN-MANUF TECHN	0007-8506	3771	1.123	1.514	0.094	149	>10.0	0.00474	0.307
☐	14	COMPUT IND ENG	0360-8352	2389	1.057	1.637	0.209	139	9.0	0.00438	0.437
☐	15	IIE TRANS	0740-817X	2656	1.023	1.373	0.144	90	>10.0	0.00659	0.673
☐	16	IND MANAGE DATA SYST	0263-5577	720	0.945	1.237	0.042	72	5.0	0.00179	0.228
☐	17	J ENG TECHNOL MANAGE	0923-4748	449	0.923	2.217	0.053	19	7.1	0.00082	0.447

Conducting a Literature Search & Writing Review
Paper ©2014 NaderAly Ebrahim



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.

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

Source: http://www.library.nuigalway.ie/support/supportforresearchers/literaturereview/keepingup-to-date/

Keeping up-to-date

Create a Google Alert

- Enter the topic you wish to monitor.
- Search terms:
- Type:
- How often:
- Email length:
- Your email:

Keeping up-to-date

SpringerAlerts

zetoc
INFORMING RESEARCH

ScienceDirect

IngentaConnect

Routledge
Taylor & Francis Group

WILEY InterScience®

SpringerLink

WILEY-BLACKWELL

ISI Web of Knowledge℠

The MIT Press
YOUR PROFILE | TO ORDER | CONTACT US

Scopus Citation Tracker

Example - 1

- **From:** Google Scholar Alerts [mailto:scholaralerts-noreply@google.com]
  Sent: 2011/02/01 06:21 ق.ظ
  Subject: Scholar Alert - [Virtual Teams: A "Literature Review" + ebrahim]
-
- **Scholar Alert: [Virtual Teams: A "Literature Review" + ebrahim]**
- [PDF] How to Conduct a Literature
- NA **Ebrahim**
  ... 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 **...**
- [PDF] Web Application User Interface Technologies
- M Pohja
  ... are 7 Page 28. Introduction discussed in the next section of this thesis. Finally, web servers may sup- port **virtual** hosting, content compression and other things that may help manage client-server communication. Application **...**
- This Google Scholar Alert is brought to you by Google.

Cancel alert
List alerts

- Doctoral dissertation for the degree of Doctor of Science in Technology to be presented with due permission of the School of Science for public examination and debate in Auditorium T2 at the Aalto University School of Science (Espoo, Finland) on the **4th of February 2011 at 12 noon**.

- Aalto University
- School of Science
- 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.

Paper ©2014 Nader Ale Ebrahim

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.	Critical factors for new product developments in SMEs virtual team	Ebrahim, N.A., Ahmed, S., Taha, Z.	2010	*African Journal of Business Management*, **4** (11) pp. 2247-2257.	0
2.	Virtual R&D teams and SMEs growth: A comparative study between Iranian and Malaysian SMEs	Ebrahim, N.A., Ahmed, S., Taha, Z.	2010	*African Journal of Business Management*, **4** (11) pp. 2368-2379.	0

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

If you would like to Maintain your Scopus Alerts, click on the link below:
http://www.scopus.com/alert/form/MyAlerts.url.
We hope that this information is useful to you.
If you have questions about this or other features of Scopus, Please visit our Info site.
Your previous alert for AU-ID("Ebrahim, Nader Ale" 22974706300) AND (LIMIT-TO(AU-ID, "Ahmed, Shamsuddin" 35241743000)) was sent on 4 Nov 2010

Note: Results from CSA Illumina are not included in this e-mail alert. Your results list on Scopus for this e-mail alert can contain not only newly published documents, but also newly added archive material with an earlier publication date.

This email has been sent to you by Scopus ®, a product of Elsevier B.V., Radarweg 29, 1043NX Amsterdam, The Netherlands, Tel.+31 20 485 3911. You are receiving this e-mail because you are a subscriber to a Search Alert from Scopus.

Elsevier respects your privacy and does not disclose, rent or sell your personal information to any non-affiliated third parties without your consent, except as may be stated in the Scopus Online Privacy Policy .

By using the Search Alert, you are agreeing to abide by the Scopus Terms and Conditions .

If you would like to unsubscribe from future mailings regarding the Search Alert mentioned above, please login to Scopus and go to My Alerts to delete this alert from your profile.
© 2010 Scopus. All rights reserved. Any unauthorized use, reproduction, or transfer of this message or its contents, in any medium, is strictly prohibited. SciVerse® is a registered trademark of Elsevier Properties S.A., used under license. Scopus ® is a registered trademark of Elsevier B.V.

Conducting a Literature Search & Writing Review Paper©2014 Nader Ale Ebrahim

Delivery Job ID: 11259:009013825:11252:009588722

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...

This once a week Google Alert is brought to you by Google.

Remove this alert.
Create another alert.
Manage your alerts.

Conference Alerts

AllConferencealerts.com - Conference call for research papers

IEEE Conference Alerts

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.

Paper ©2014 Nader Ale Ebrahim

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.

Paper ©2014 Nader Ale Ebrahim

THE THREE-PASS APPROACH

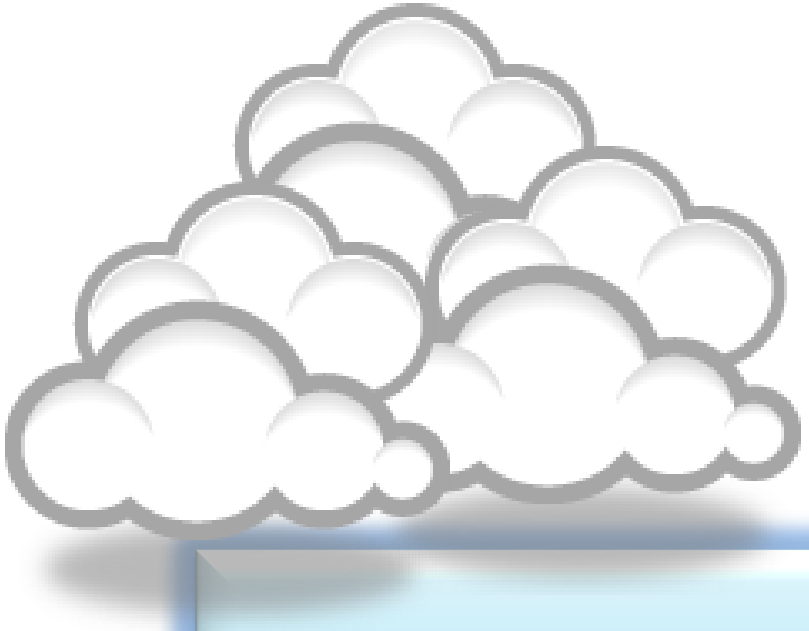
1- The third pass

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.

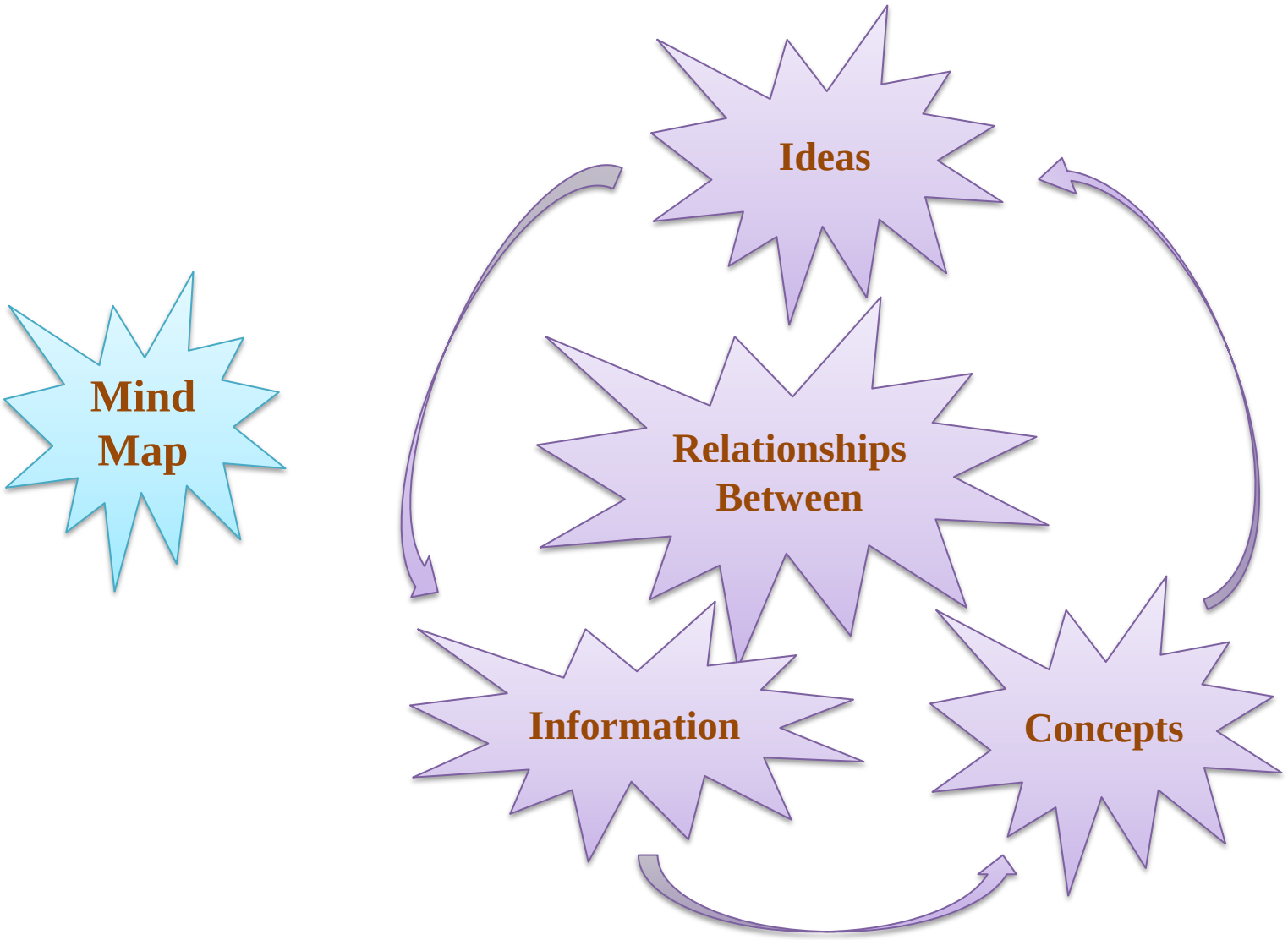
This pass can take about four or five hours for beginners, and about an hour for an experienced reader.

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

Paper ©2014 Nader Ale Ebrahim



Mind mapping tools



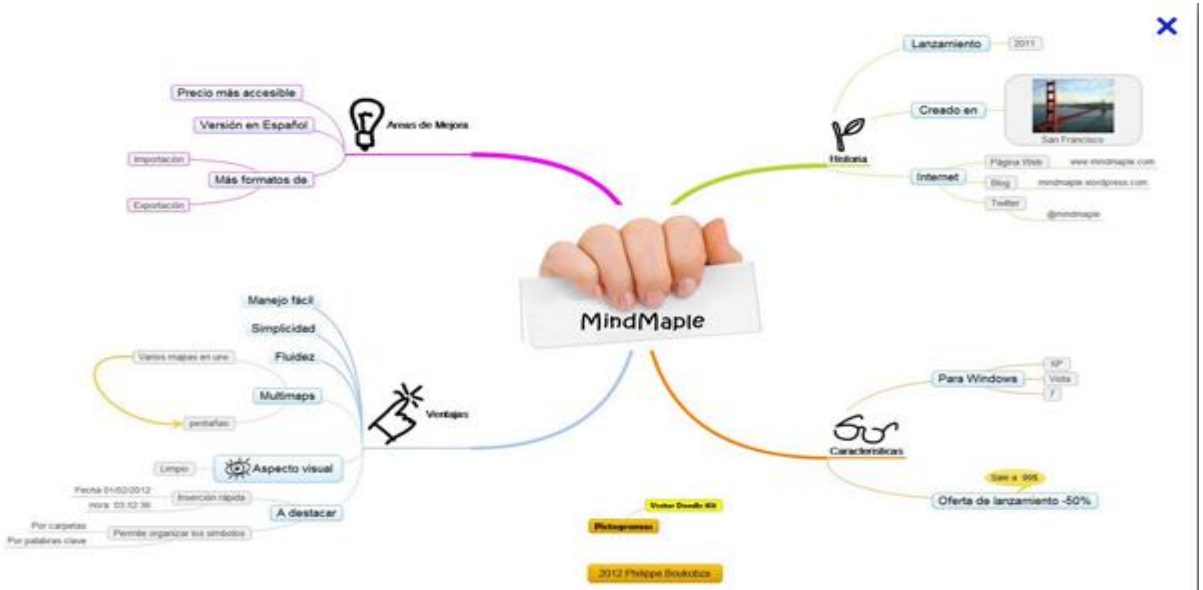
Source: **Mind Map Tools, By:**Seyyed Ali Fattahi Computer PhD Candidate FTSM UKM

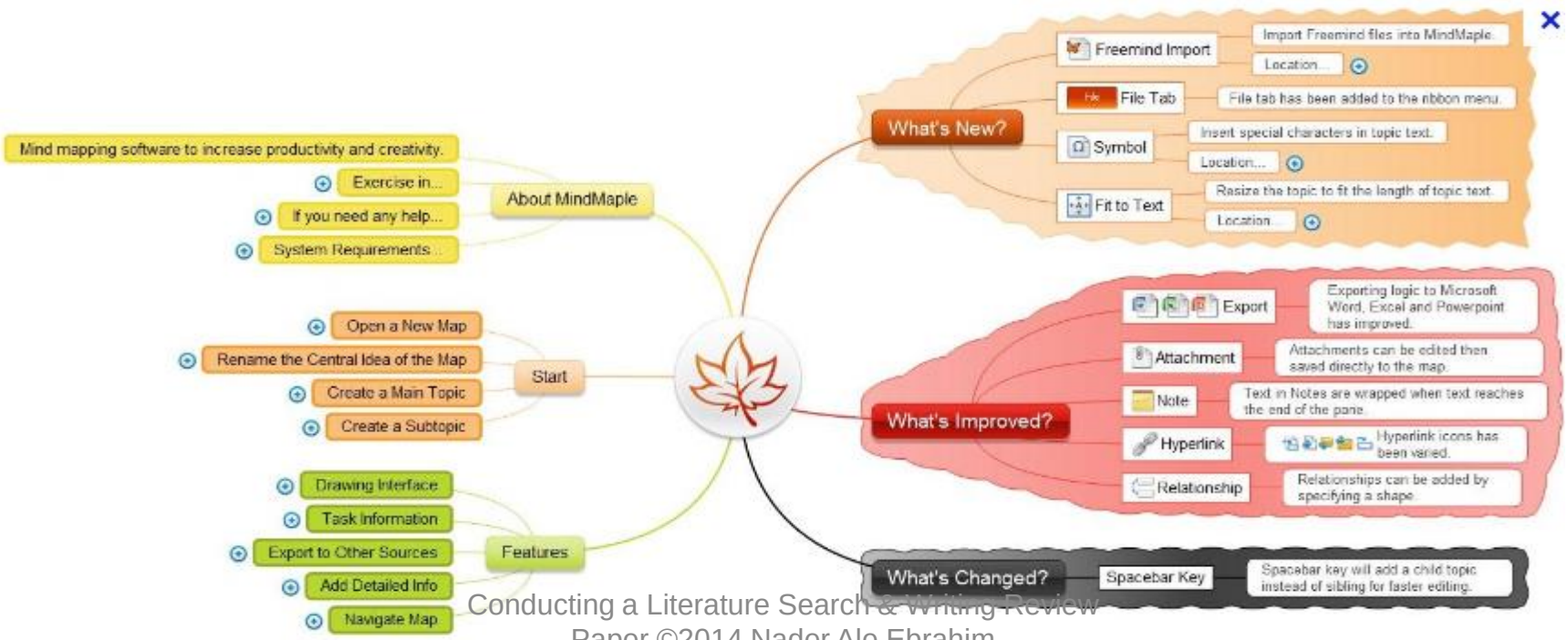
Paper ©2014 Nader Ale Ebrahim

Mind Map Tools

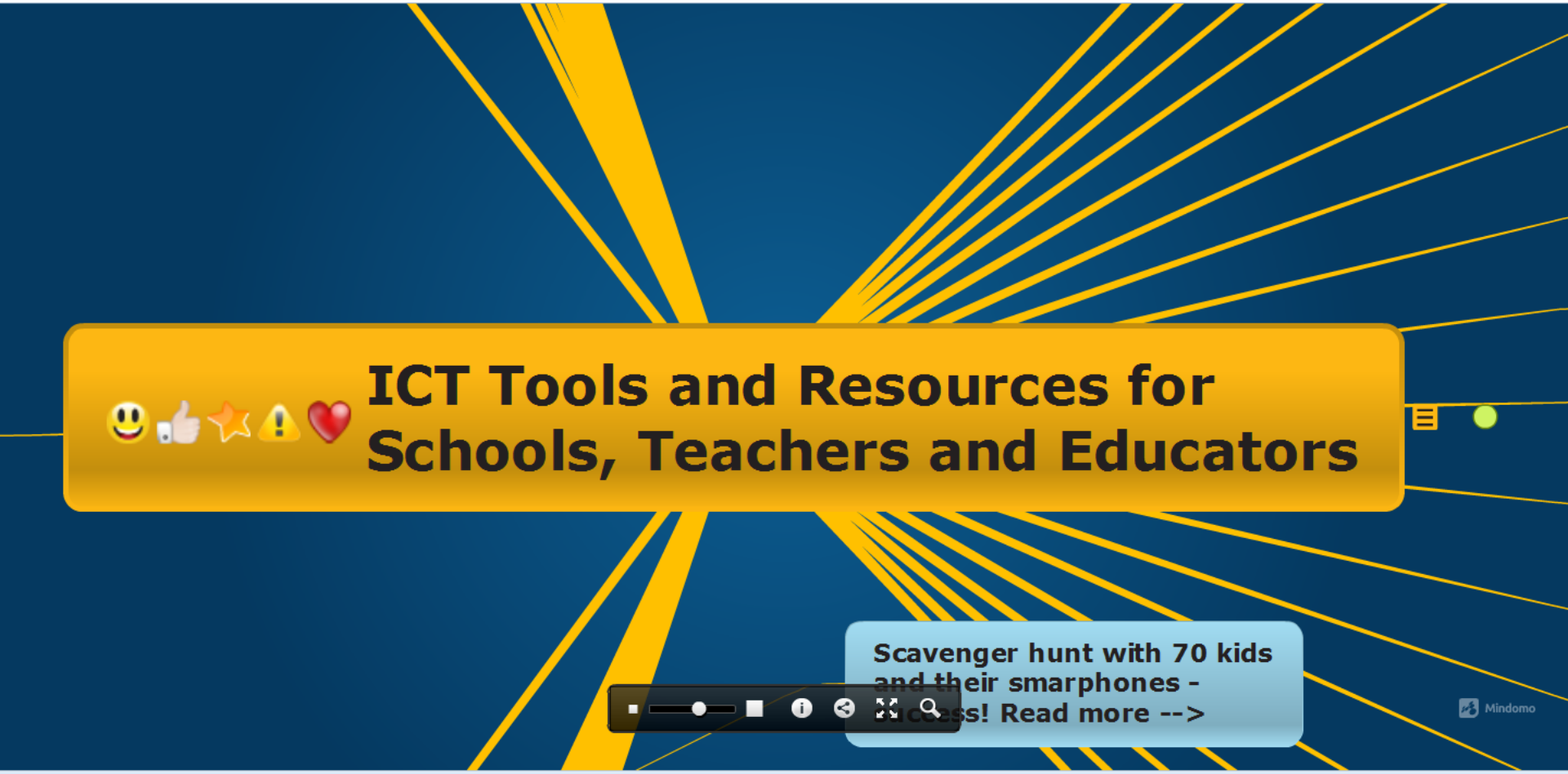
Source: **Mind Map Tools, By:**Seyyed Ali Fattahi Computer PhD Candidate FTSM UKM

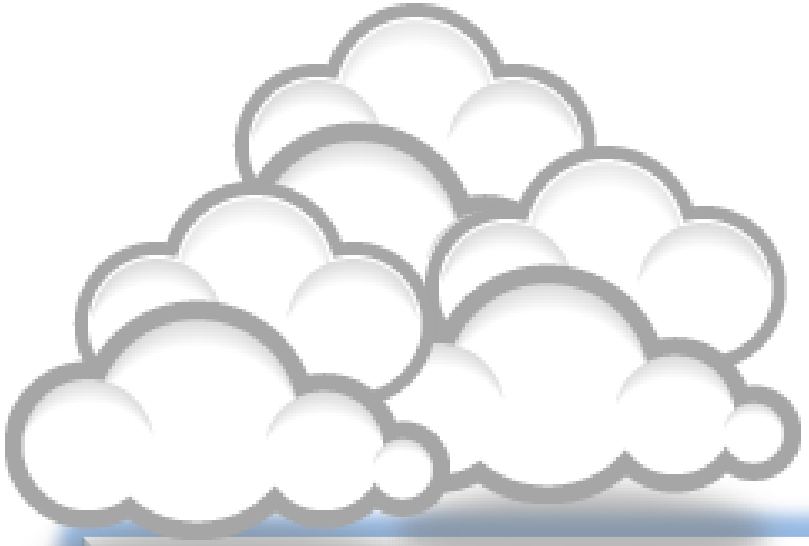
Paper ©2014 Nader Ale Ebrahim


MindMaple
Precio más accesible
Versión en Español
Más formatos de
Importación
Exportación
Áreas de Mejora
Lanzamiento
2011
Creado en
San Francisco
Internet
Página Web
www.mindmaple.com
Blog
mindmaple.wordpress.com
Twitter
@mindmaple
Historia
Manejo fácil
Simplicidad
Fluidez
Varios mapas en uno
Multimaps
pestañas
Aspecto visual
Limpio
Inserción rápida
A destacar
Por carpetas
Por palabras clave
Ventajas
Para Windows
XP
Vista
7
Características
Oferta de lanzamiento -50%


Mind mapping software to increase productivity and creativity.
About MindMaple
Exercise in...
If you need any help...
System Requirements...
Start
Open a New Map
Rename the Central Idea of the Map
Create a Main Topic
Create a Subtopic
Features
Drawing Interface
Task Information
Export to Other Sources
Add Detailed Info
Navigate Map
What's New?
Freemind Import
Import Freemind files into MindMaple.
Location...
File Tab
File tab has been added to the ribbon menu.
Symbol
Insert special characters in topic text.
Location...
Fit to Text
Resize the topic to fit the length of topic text.
Location...
What's Improved?
Export
Exporting logic to Microsoft Word, Excel and Powerpoint has improved.
Attachment
Attachments can be edited then saved directly to the map.
Note
Text in Notes are wrapped when text reaches the end of the pane.
Hyperlink
Hyperlink icons has been varied.
Relationship
Relationships can be added by specifying a shape.
What's Changed?
Spacebar Key
Spacebar key will add a child topic instead of sibling for faster editing.

Example: MinDomo



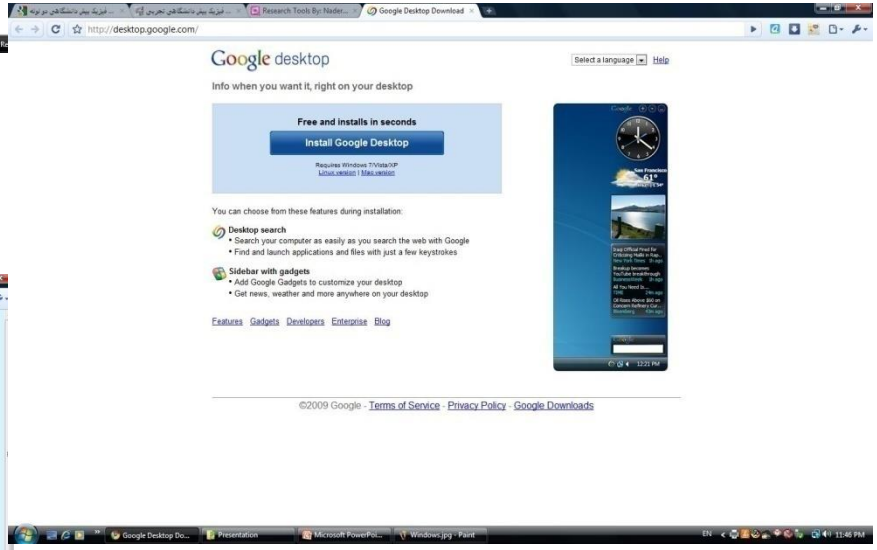


Indexing desktop search tool

[dtSearch]

[Google Desktop]

[Windows Search]



"Virtual R&D teams in New Product development" -- doi:10.1016/S0019-8501(02)00276-6 - dtSearch

File Edit Search Index View Options Help

<-->	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
3	Virtual Workplaces.pdf	73%	6,390	E:\UM\Thesis\Literature Review\Link 2009	2009/04/09	7,070,659	Link 2009	Handbook (
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
6	Nader-AJBAS 3(3)2653-2669-2009.pdf	48%	810	E:\UM\Thesis\Literature Review\Link 2009	2009/11/04	222,924	Link 2009	Nader-AJB

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

2 of 139 -- "E:\UM\Thesis\Literature Review\Link 2009\DBA Thesis.pdf" 139 files 54852 hits dtSearch 7.54 (7680) Evalu...ion

Conducting a Literature Search & Writing Review
Paper ©2014 Nader Ale Ebrahim

start Google Search Desktop EN 09:49 ق.ظ

Search Request: Questionnaire design

Total files: 259
Total hits: 1,852

Front_Cover.PDF

Hits: 8

Location: D:\Nader\UM\UM\Useful articles\Other Information\Doctorate SG\Methods\Front_Cover.PDF

Size: 242,702 **Last modified:** 7/9/2012

[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

Task for second session

- Measure the downloaded papers/journal's quality
- Turn on Alert system in WoS and other databases
- Read Keshav, S. (2007). How to read a paper. *ACM SIGCOMM Computer Communication Review*, *37*(3), 83-84.
- Create a literature review Mind Map
- Install Dtsearch and create a report based on most frequent keywords

 ©2014 Nader Ale Ebrahim

UNIVERSITY OF MALAYA

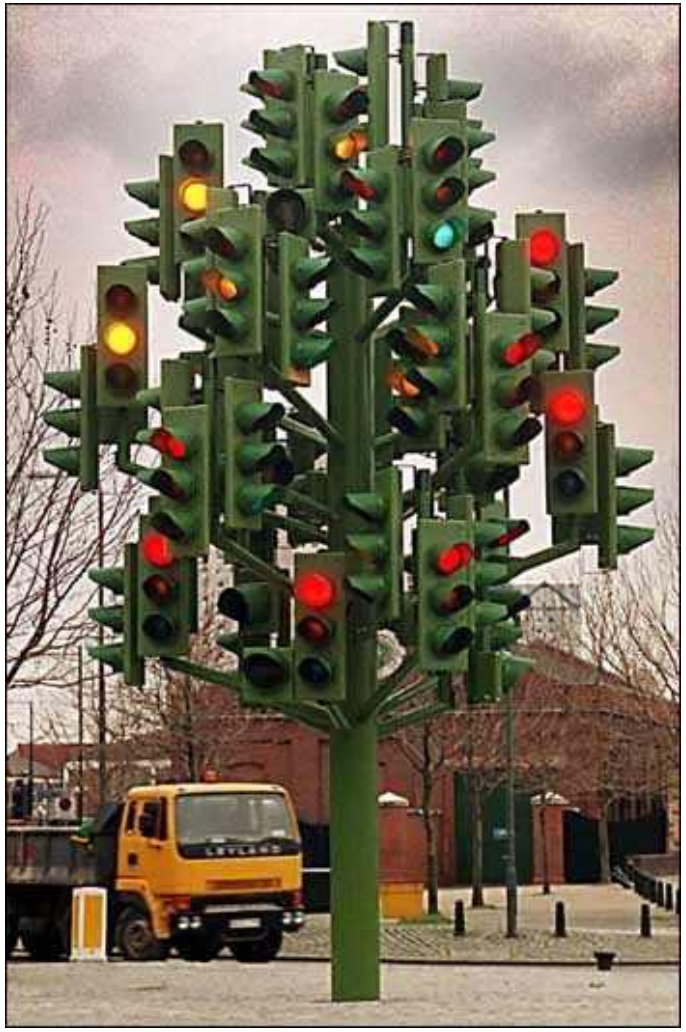
The Leader in Research & Innovation

RESEARCH SUPPORT UNIT (RSU)

Unit Sokongan Penyelidikan

LEVEL 2, CENTRE OF RESEARCH SERVICES

RESEARCH MANAGEMENT & INNOVATION COMPLEX



Thank you!

Nader Ale Ebrahim, PhD

==========

Research Support Unit

Centre of Research Services

Research Management & Innovation Complex

University of Malaya, Kuala Lumpur, Malaysia

www.researcherid.com/rid/C-2414-2009

http://scholar.google.com/citations

Paper ©2014 Nader Ale Ebrahim

References

1. Leary, Z. (2004) The Essential Guide to Doing Research. London: Sage Chapter Six
2. Ale Ebrahim, N., Ahmed, S., & Taha, Z. (2009). Virtual R & D teams in small and medium enterprises: A literature review. [Review]. Scientific Research and Essay, 4(13), 1575–1590.
3. Randolph, Justus (2009). A Guide to Writing the Dissertation Literature Review. Practical Assessment, Research & Evaluation, 14(13).
4. FIXSON, S. 2007. Modularity and commonality research: past developments and future opportunities. Concurrent Engineering, 15, 85.
5. UNE. 2009. The literature review [Online]. University of New England. Available: http://www.une.edu.au/library/eskillsplus/literature/litreview.php [Accessed 25 January 2010].
6. http://en.wikipedia.org/wiki/Systematic_review
7. MOHAMMADJAFARI, M., AHMED, S., DAWAL, S. Z. M. & ZAYANDEHROODI, H. 2011(Article in press). The Importance of Project Management in SMEs for the Development of New Products through E-Collaboration. African Journal of Business Management.
8. *Journal Citation Reports* - Science - Thomson Reuters
9. ISI *Web of Knowledge*
10. ALE EBRAHIM, N., ABDUL RASHID, S. H., AHMED, S. & TAHA, Z. 2011. The Effectiveness of Virtual R&D Teams in SMEs: Experiences of Malaysian SMEs. *Industrial Engineering and Management Systems, 10**, 109-114.***
11. EBRAHIM, N. A., AHMED, S. & TAHA, Z. 2010. SMEs; Virtual research and development (R&D) teams and new product development: A literature review. *International Journal of the Physical Sciences, 5**, 916-930.***
12. ALE EBRAHIM, N., AHMED, S. & TAHA, Z. 2009. Modified Stage-Gate: A Conceptual Model of Virtual Product Development Process. *African Journal of Marketing Management, 1**, 211-219.***
13. PÓS, P., DE PRODUÇÃO, G. P. D. E. E., SISTEMAS, E. & FERREIRA, P. G. S. 2011. *THE COMPREHENSION OF PERFORMANCE MEASUREMENT INDICATORS BY VIRTUAL TEAMS. Master of Science in Industrial and Systems Engineering.*
14. https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/mindmaps.html
15. Creswell, J. W. (2012). *Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (4th ed. ed.). Boston: Pearson Education, Inc.*
16. Keshav, S. (2007). How to read a paper. *ACM SIGCOMM Computer Communication Review*, *37*(3), 83-84.

Paper ©2014 Nader Ale Ebrahim