UMISCA
University of Malaya Iranian Scientific and Cultural Association
انجمن علمی و فرهنگی دانشجویان ایرانی

بسم الله الرحمن الرحیم

How to write a review paper

How to Conduct an Effective Literature Review & write a review paper

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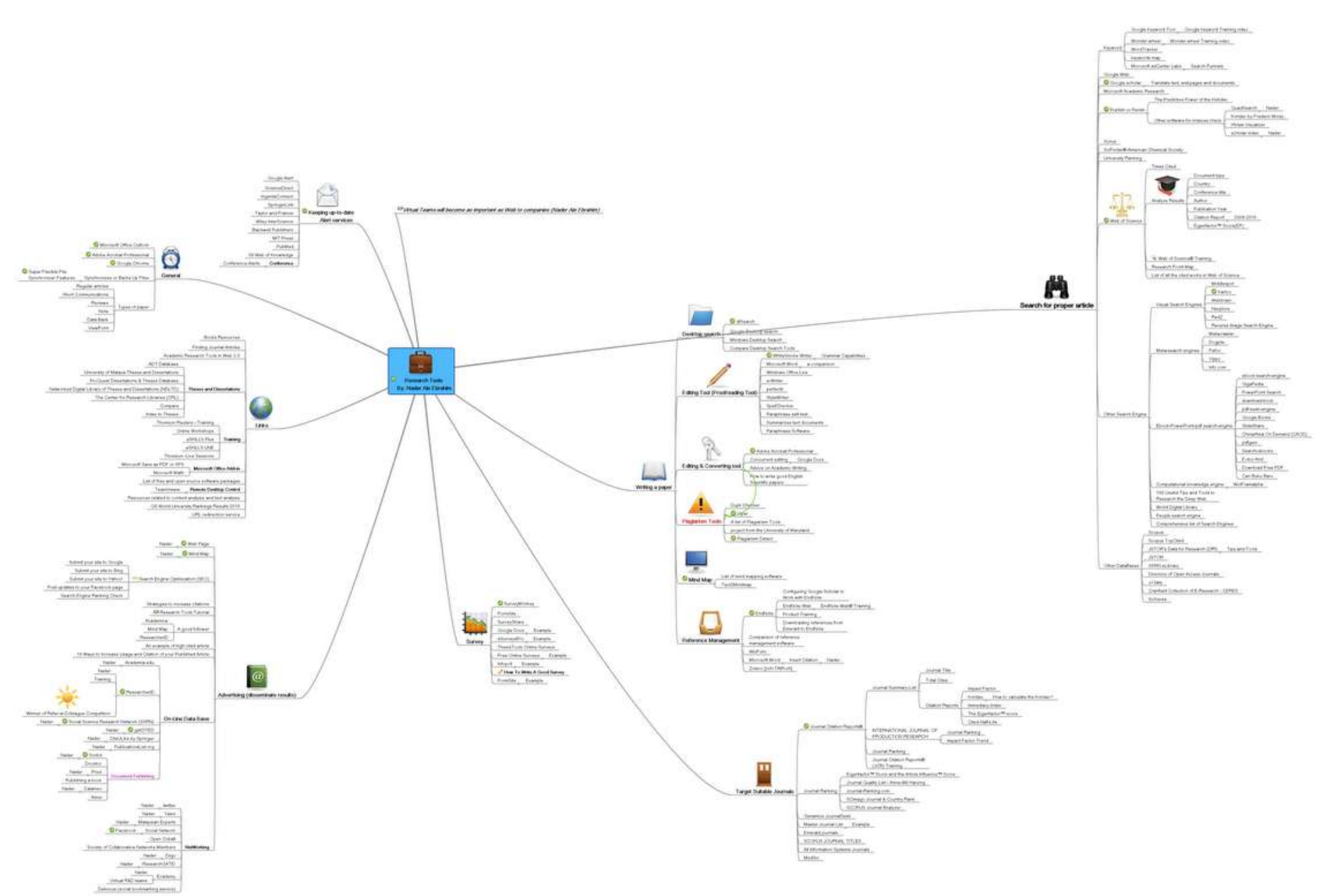
"Research Tools" Advisor
www.researcherid.com/rid/C-2414-2009
http://scholar.google.com/citations
works.bepress.com/aleebrahim/

Outline

- Find literature associated with the topic.
- Search and analyze the literature.
- Evaluate the paper before reading.
- Cite literature properly.
- Make a summary table of reviewed papers.
- Avoid plagiarism.
- Write a journal article based on literature review.

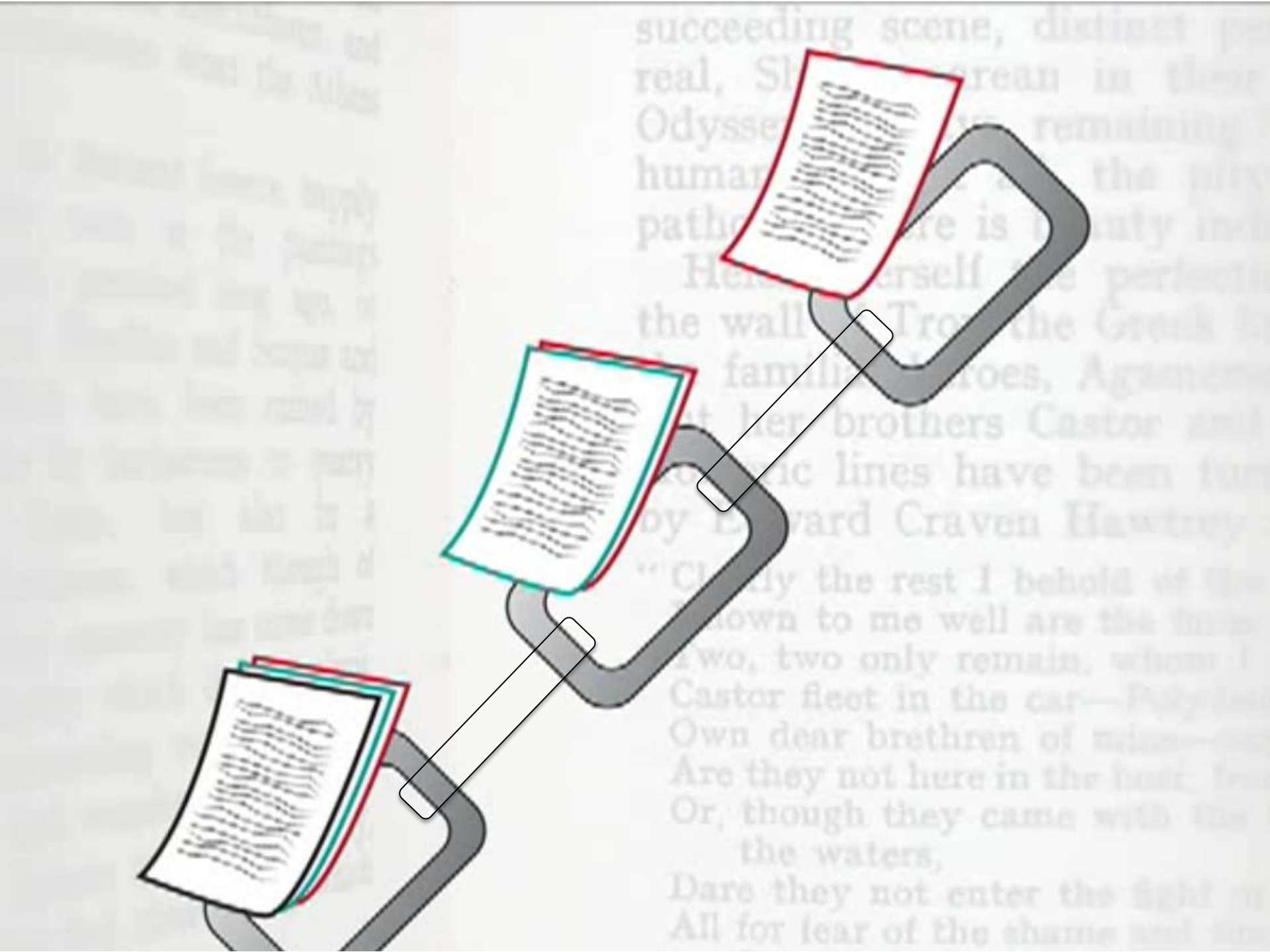


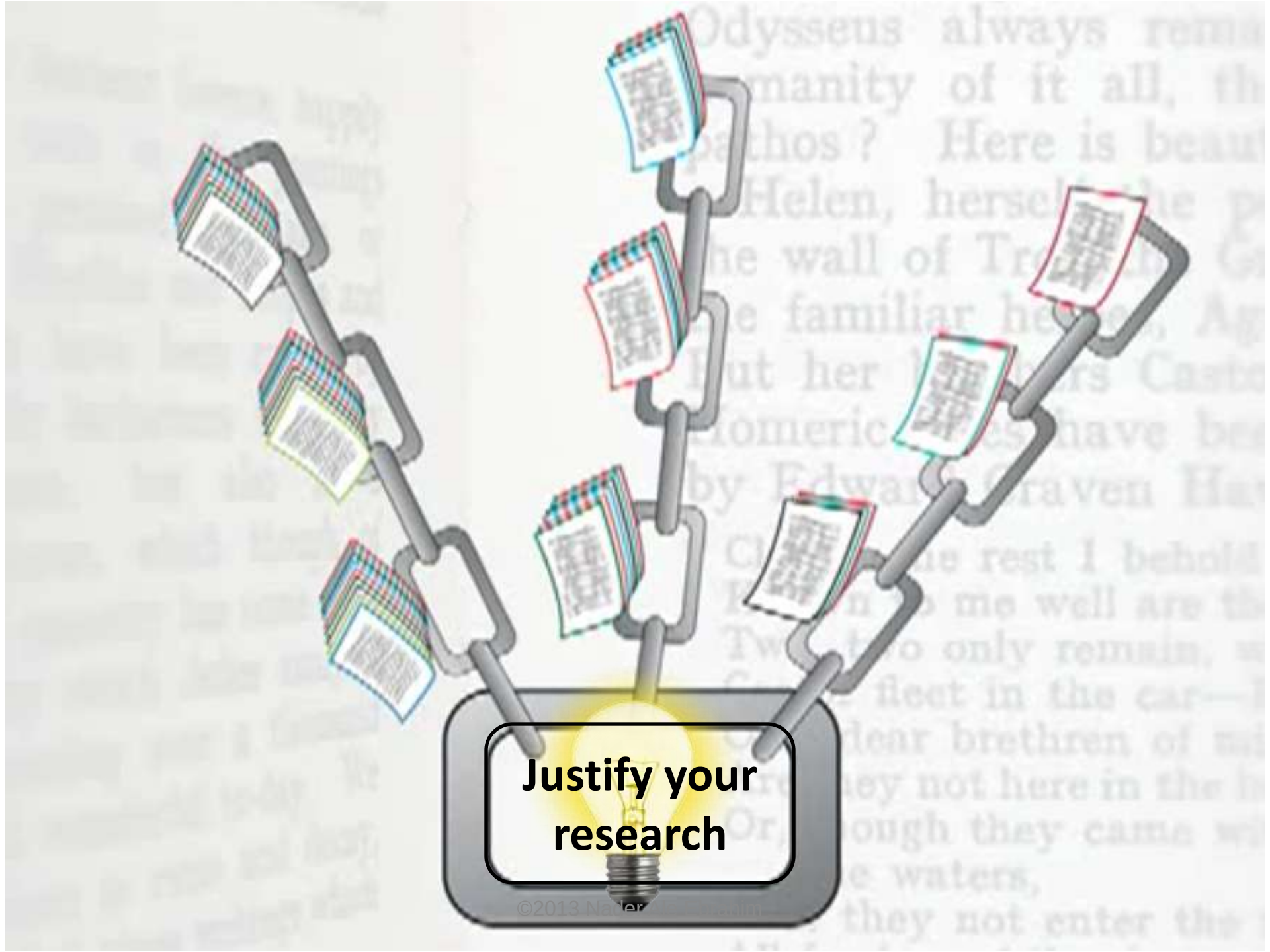
What is a literature review

A literature review discusses published information in a particular subject area, and sometimes information in a particular subject area within a certain time period.

A literature review can be just a simple summary of the sources, but it usually has an organizational pattern and combines both summary and synthesis. A summary is a recap of the important information of the source, but a synthesis is a re-organization, or a reshuffling, of that information. It might give a **new interpretation of old material** or **combine new with old interpretations**. Or it might **trace the intellectual progression of the field**, including major debates. And depending on the situation, the literature review may **evaluate the sources and advise the reader** on the most pertinent or relevant

Source: http://writingcenter.unc.edu/handouts/literature-reviews/




Justify your research

The literature review

In your literature review, you should:

- **clarify your understanding of the field**
- explain the rationale for your research
- place your research within a broader context
- **evaluate the results of previous research**
- **define key concepts and ideas**
- **identify research in related areas that are generalisable or transferable to your topic**
- **identify relevant methodological issues.**

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].

The literature review

A literature review ensures that you are at least familiar with the body of research in your field before starting your own investigations. Writing a literature review also provides practice in critical thinking. Once you have applied critical thinking skills to the findings of past researchers, you are in a better position to apply these same skills to your own work.

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].

Systematic Review 1/2

- A systematic literature review is a means of identifying, evaluating and interpreting all available research relevant to a particular research question, or topic area, or phenomenon of interest. Individual studies contributing to a systematic review are called *primary studies; a systematic review is a form a secondary study.*

Systematic Review 2/2

- A **systematic review** is a literature review focused on a research question that tries to identify, appraise, select and synthesize all high quality research evidence relevant to that question.

Source: http://en.wikipedia.org/wiki/Systematic_review

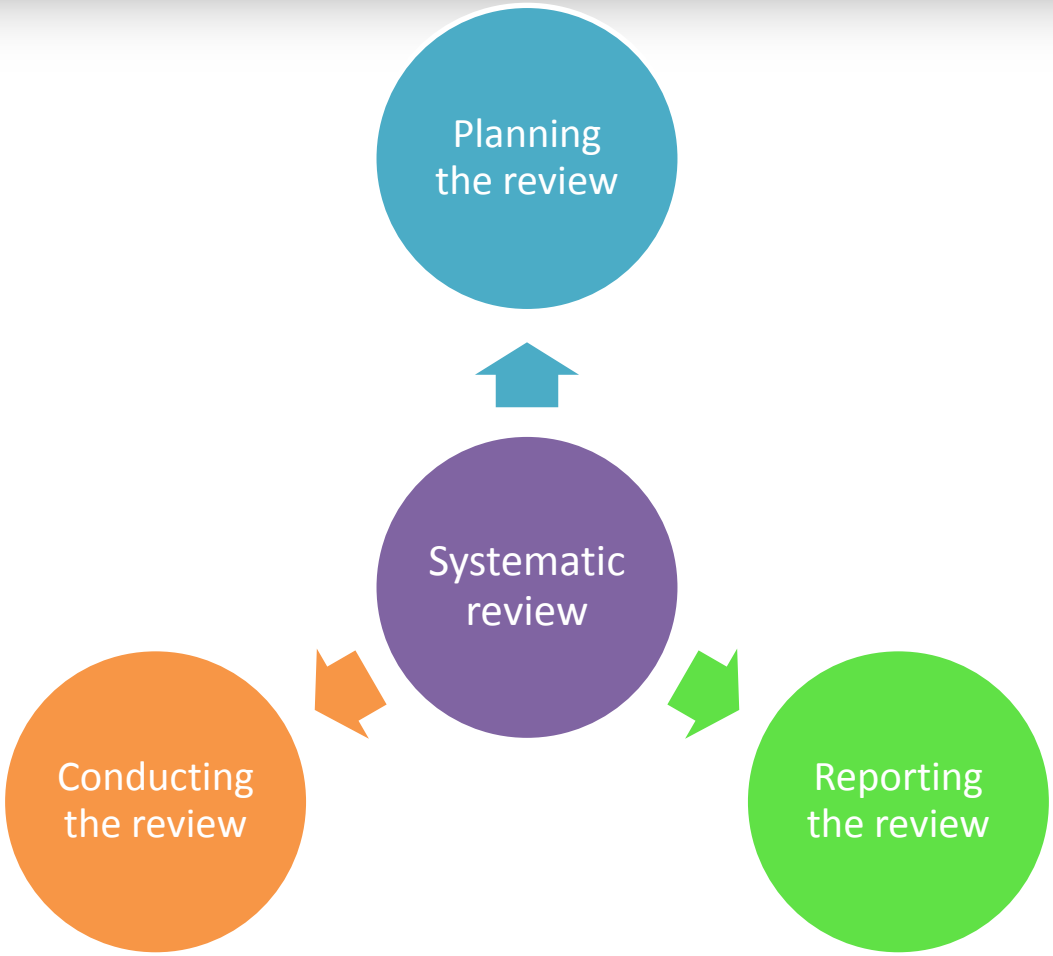
- A Guide to Writing the Dissertation Literature Review

Reasons for Performing Systematic Reviews

- **To summarise** the existing evidence concerning a treatment or technology e.g. to summarise the empirical evidence of the benefits and limitations of a specific agile method.
- **To identify any gaps** in current research in order to suggest areas for further investigation.
- **To provide a framework/background** in order to appropriately position new research activities.

However, systematic reviews can also be undertaken to examine the extent to which empirical evidence supports/contradicts theoretical hypotheses, or even to assist the generation of new hypotheses

The Systematic Review Process



Source: Adapted from Systematic Review

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.

Reporting the review

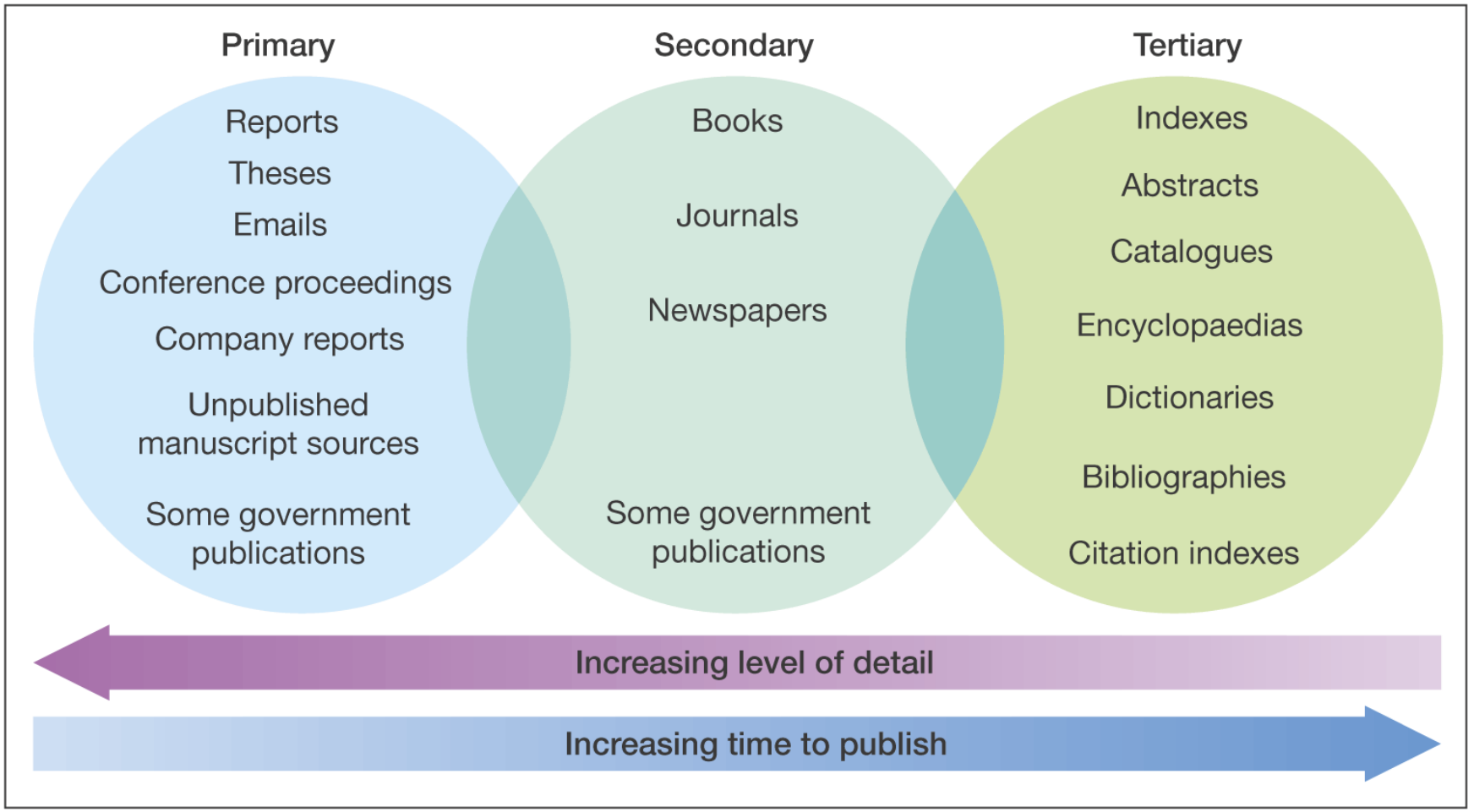
Reporting the review is a single stage phase.

Checklist for reading a review paper

- What are the review's objectives?
- What sources were searched to identify primary studies? Were there any restrictions?
- What were the inclusion/exclusion criteria and how were they applied?
- What criteria were used to assess the quality of primary studies and how were they applied?
- How were the data extracted from the primary studies?
- How were the data synthesised? How were differences between studies investigated? How were the data combined? Was it reasonable to combine the studies? Do the conclusions flow from the evidence?

Checklist for reading a review paper-From a more general viewpoint

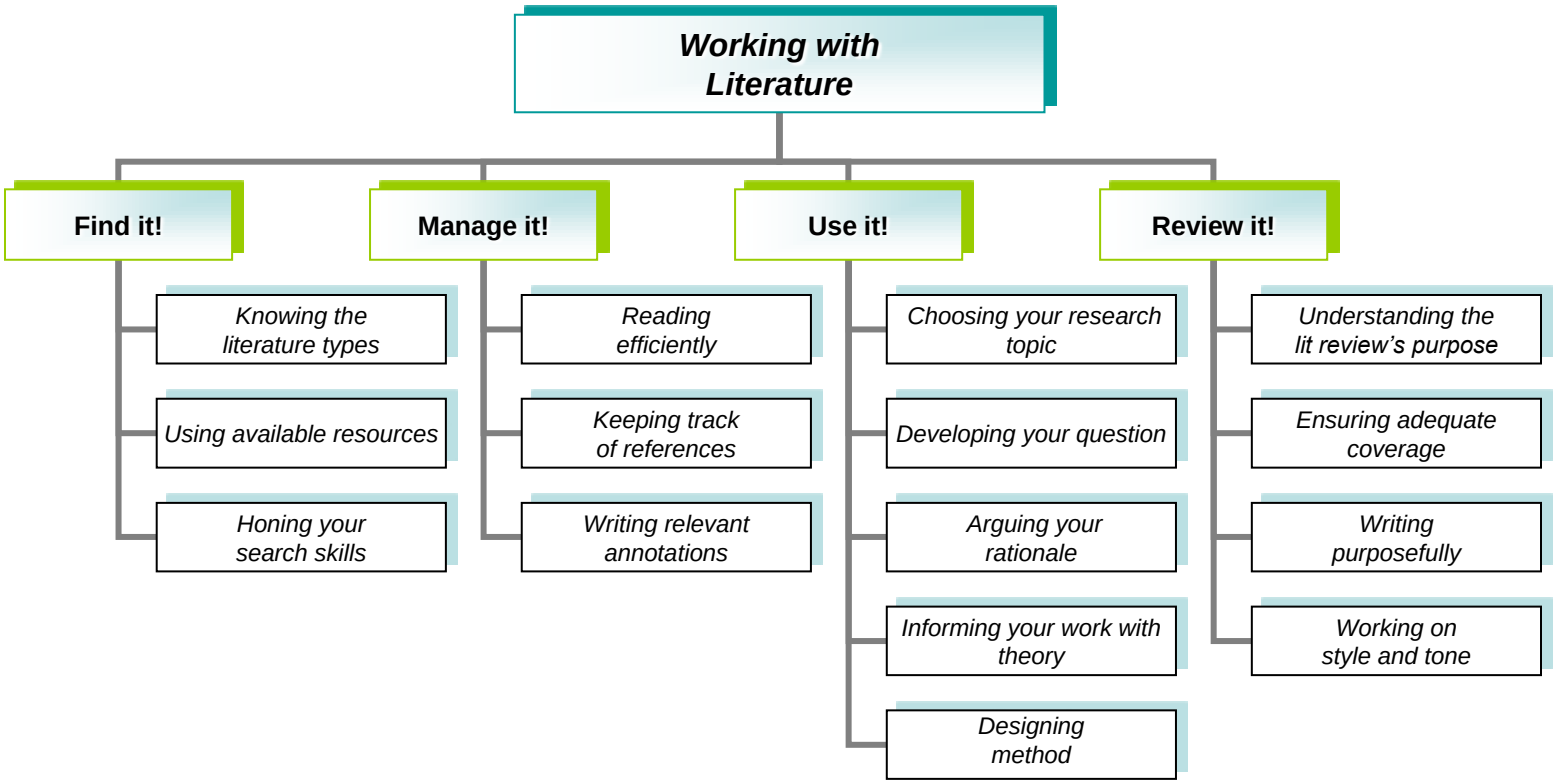
- Can you find an important question, which the review addressed?
- Was a thorough search done of the appropriate databases and were other potentially important sources explored?
- Was methodological quality assessed and the trials weighted accordingly?
- How sensitive are the results to the way that the review has been done?
- Have numerical results been interpreted with common sense and due regard to the broader aspects of the problem?



Literature sources available

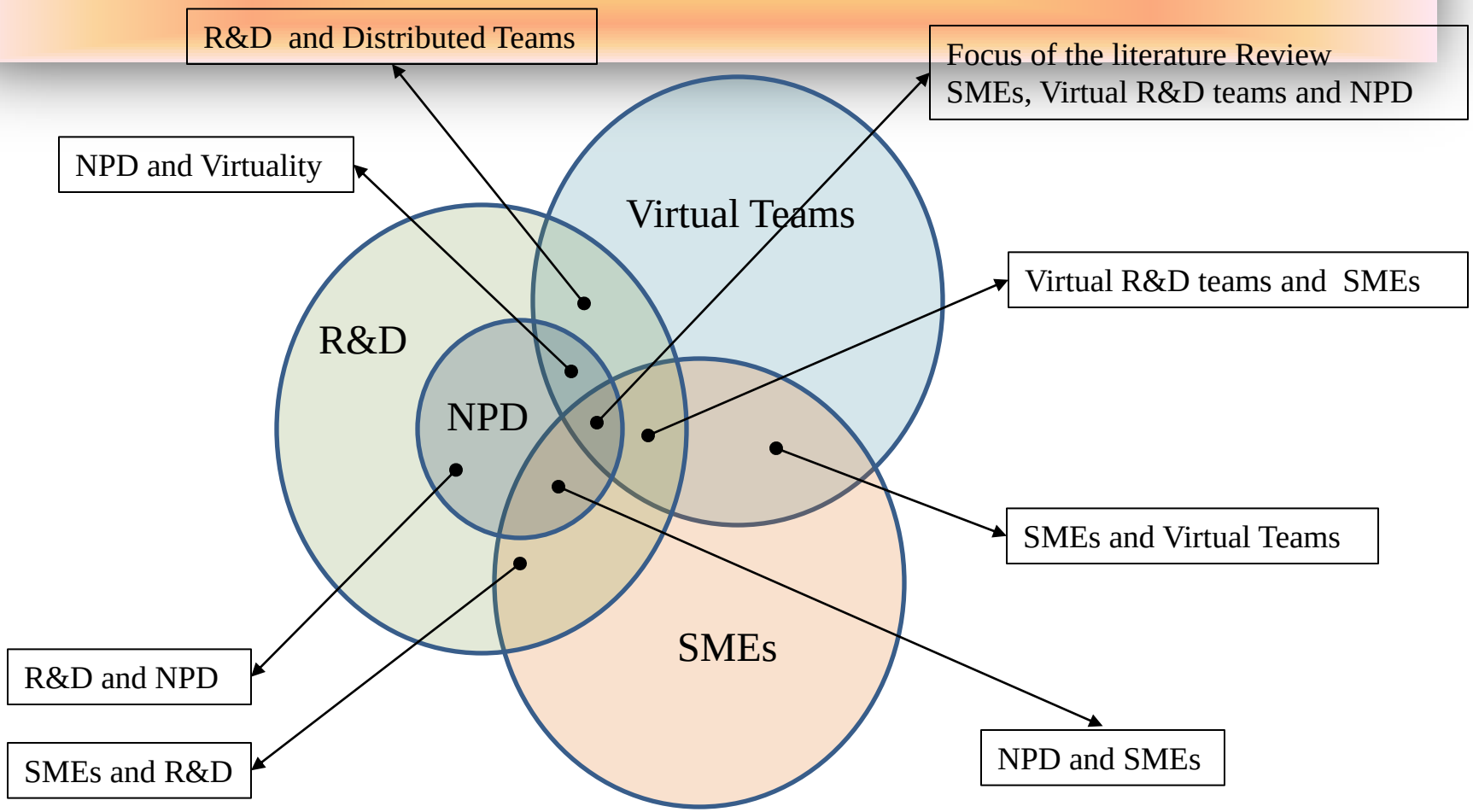
Source: Research methods for business students / Mark Saunders, Philip Lewis, Adrian Thornhill. —5th ed.

Working with literature

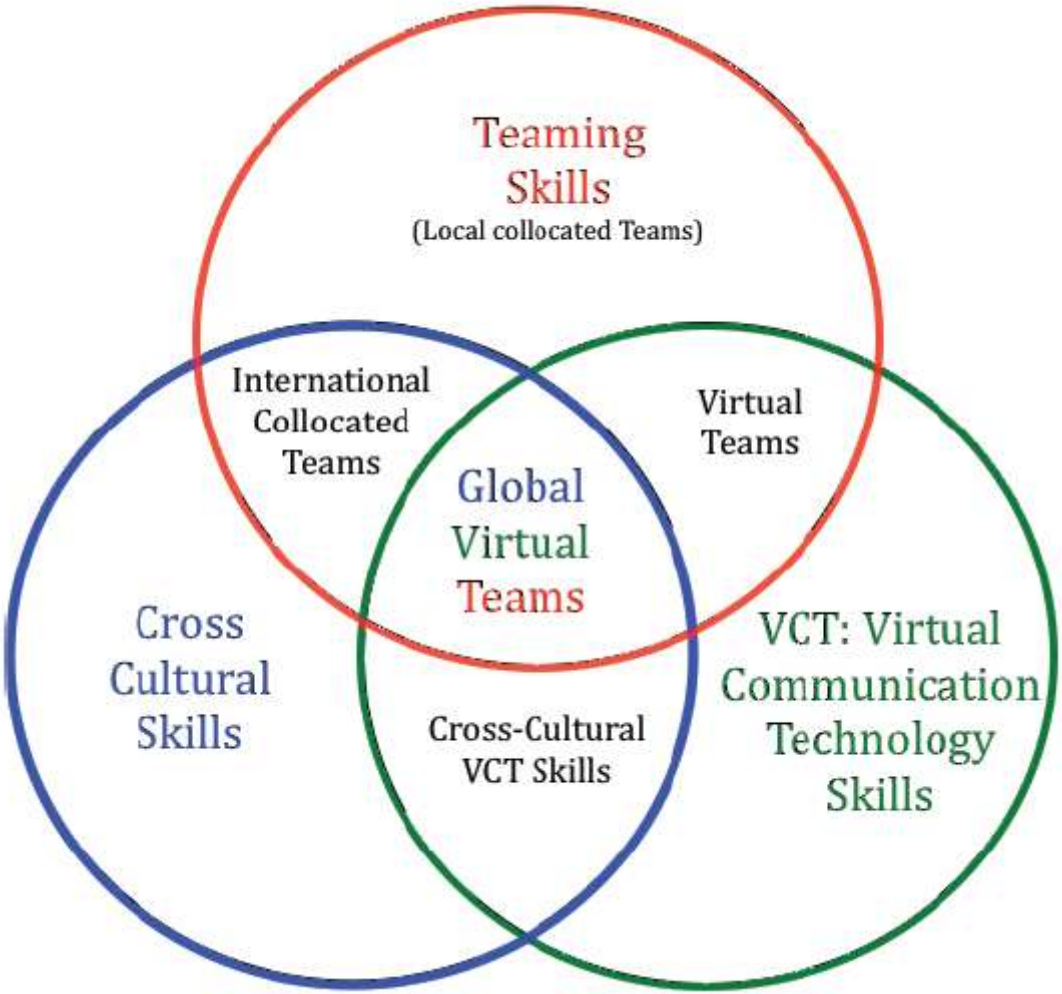


Source: O'Leary, Z. (2004) The Essential Guide to Doing Research. London: Sage - Chapter Six

Narrow the area of research



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.



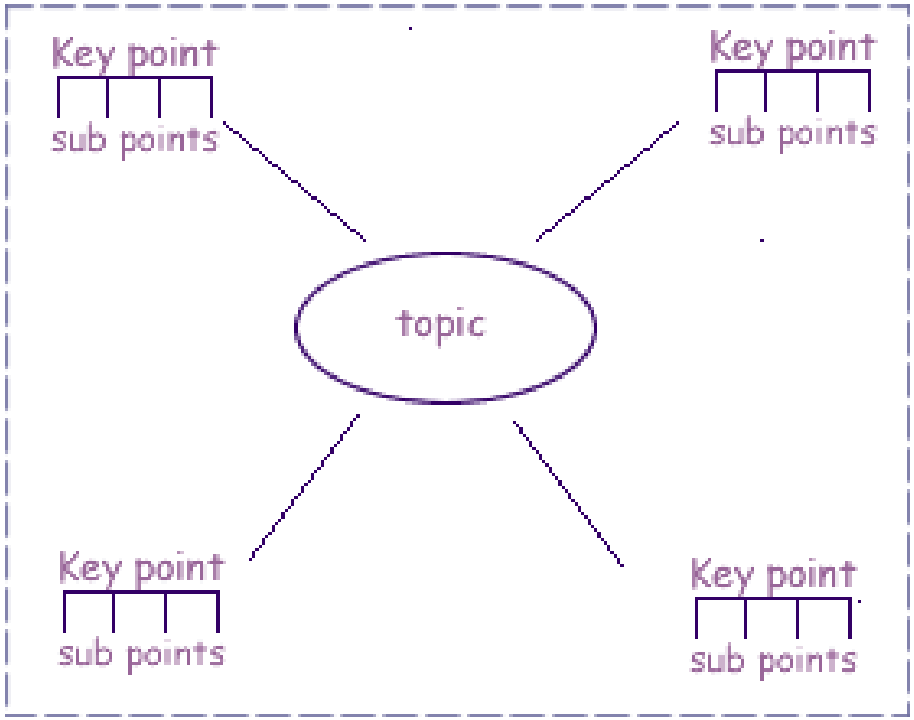
The interactions between teaming, cross-cultural and virtual communication skills to create new engineering interactions.

Figure from: http://memeburn.com/2012/06/do-links-from-social-media-sites-really-hold-any-seo-value/

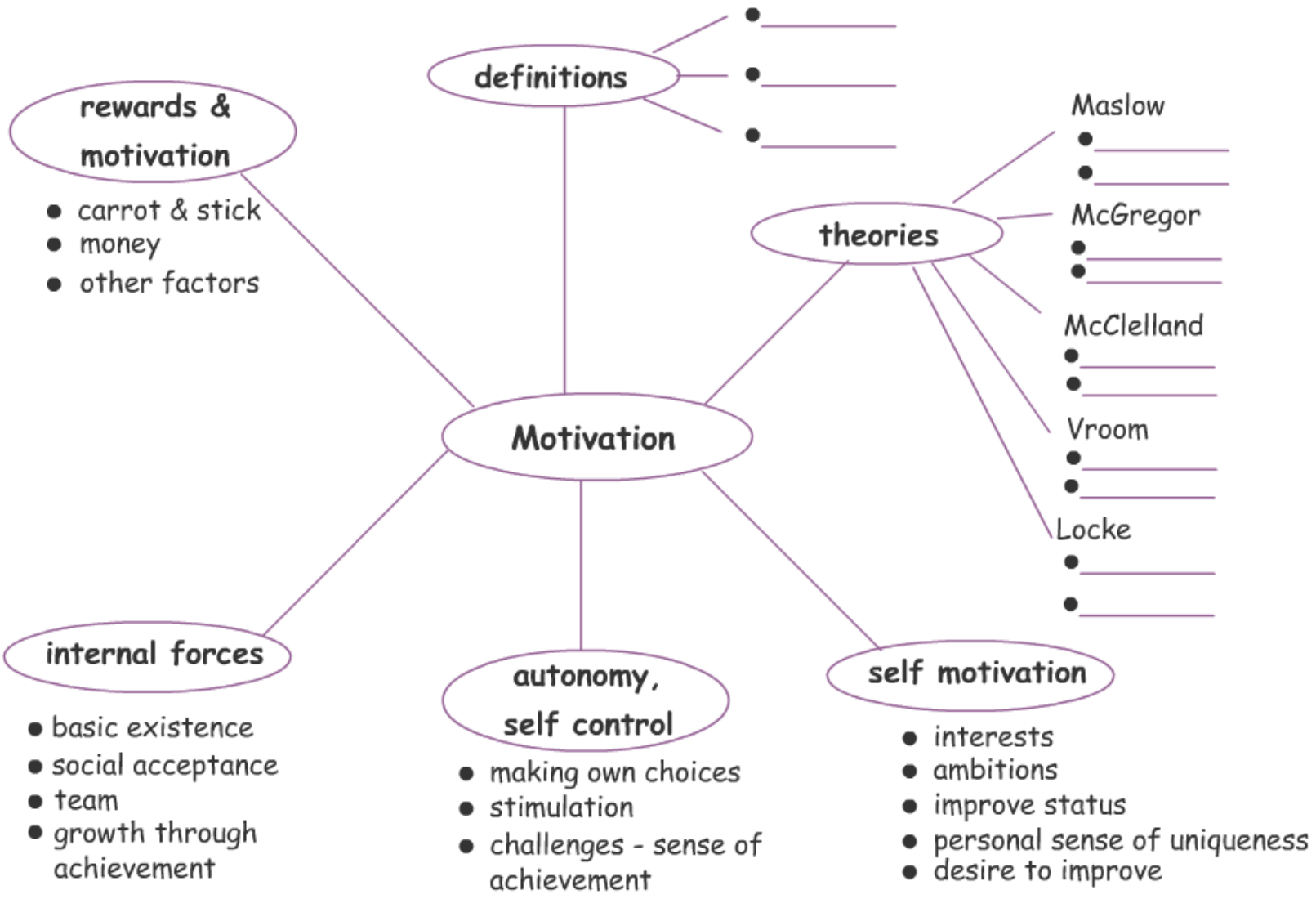
Structure & planning your writing - MindMaps

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.

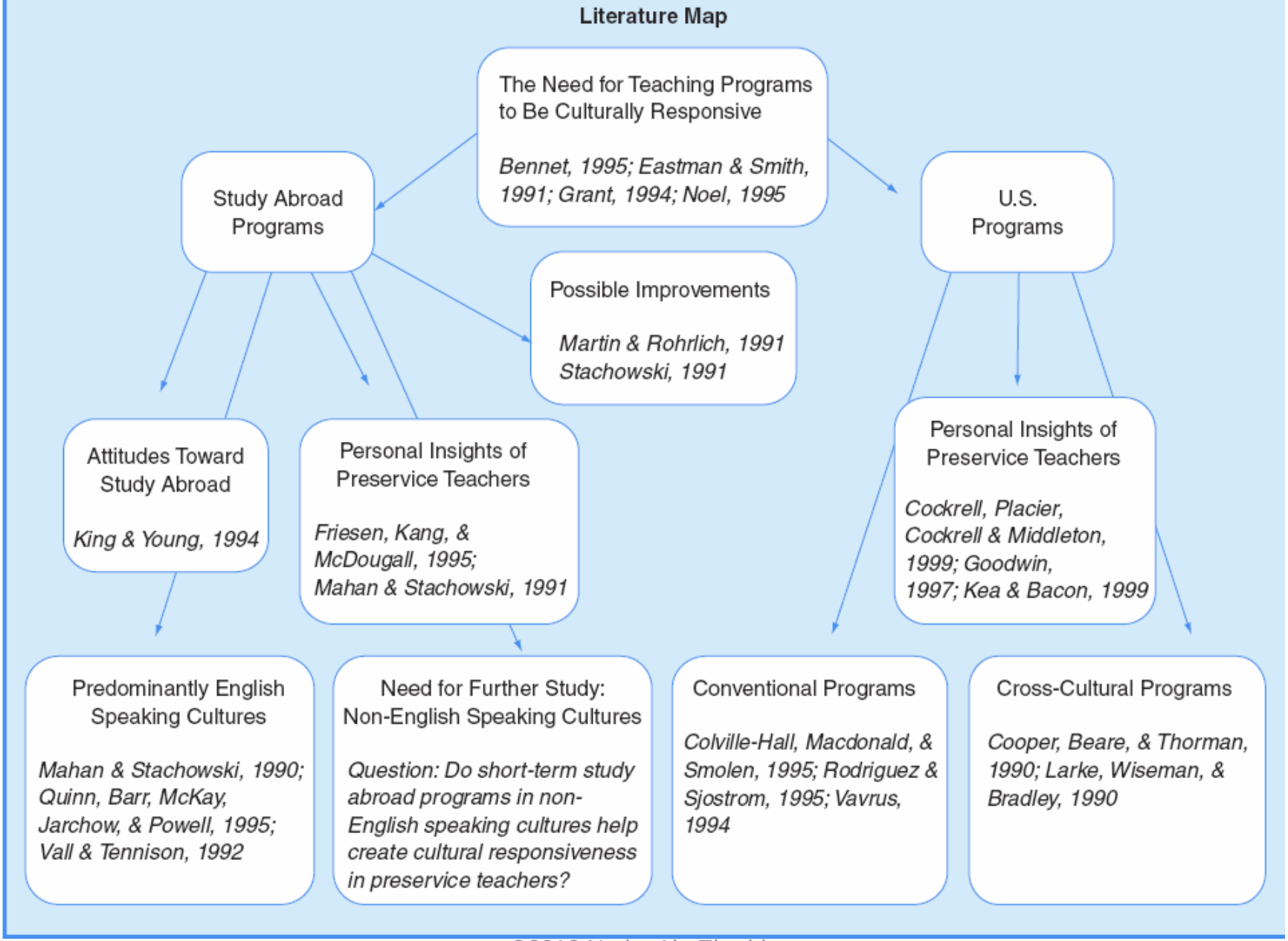
Example



Example of a MindMap

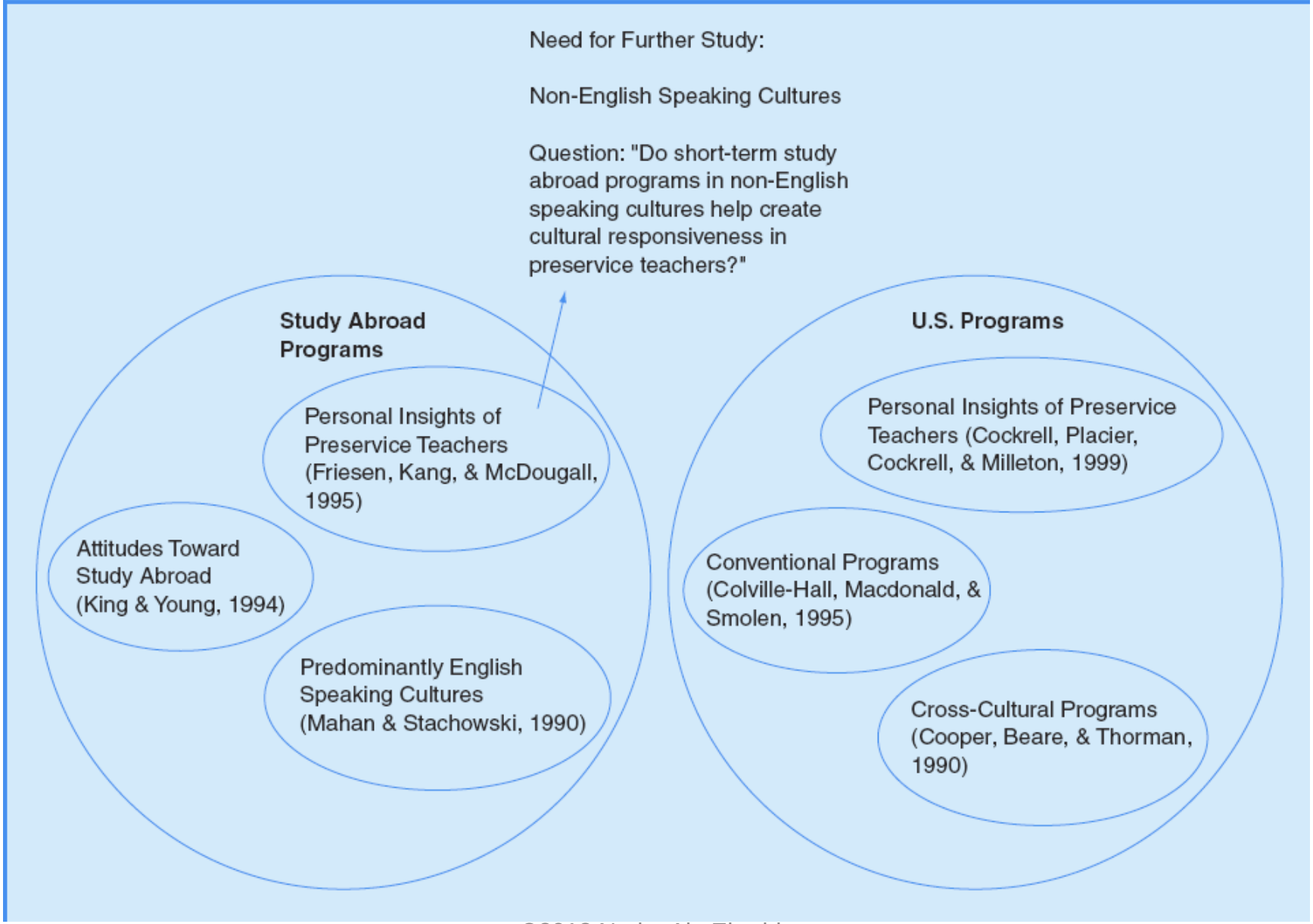


A Literature Map, Hierarchical Design

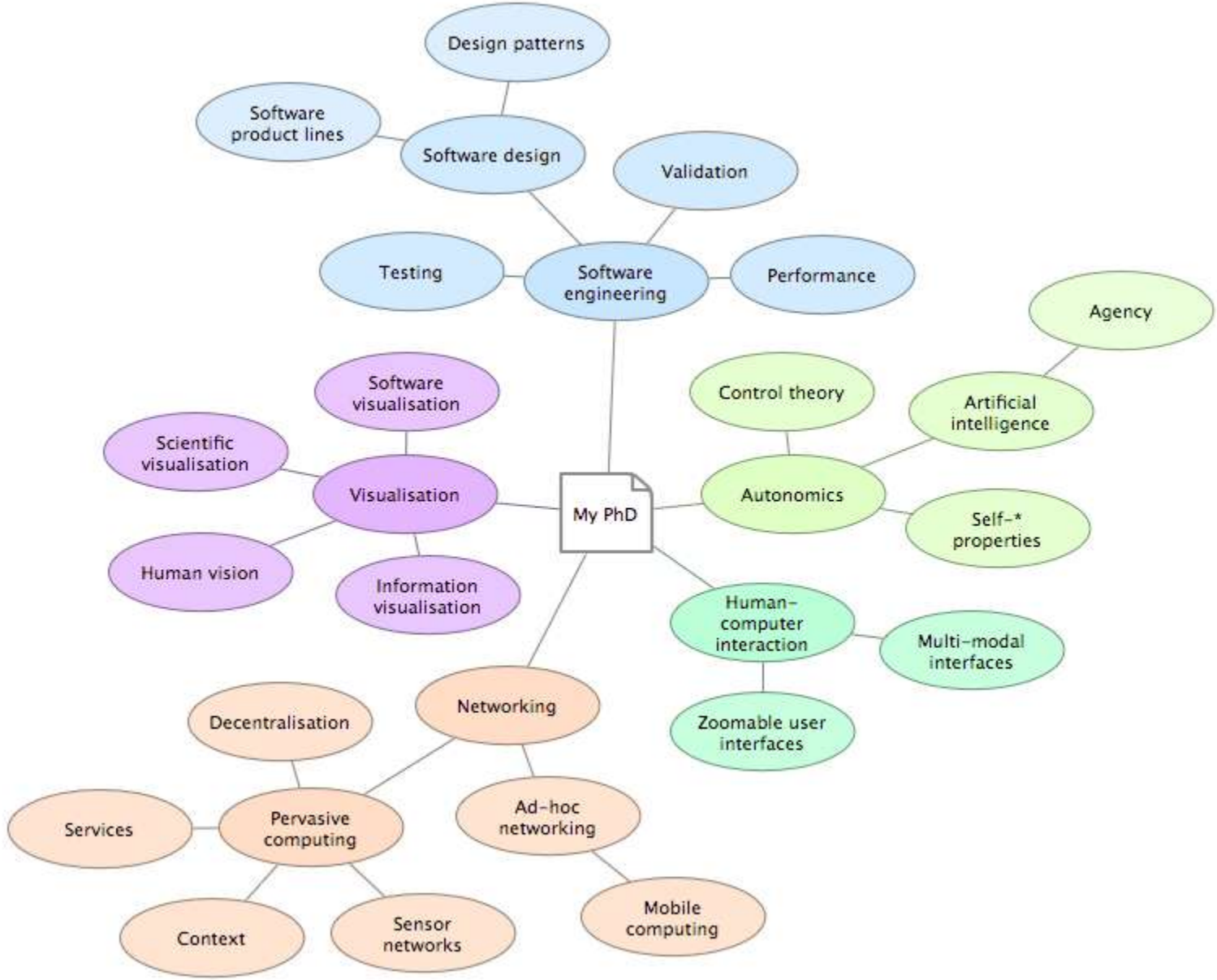


Source: Creswell, J. W. (2012). *Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (4th ed. ed.). Boston: Pearson Education, Inc.*

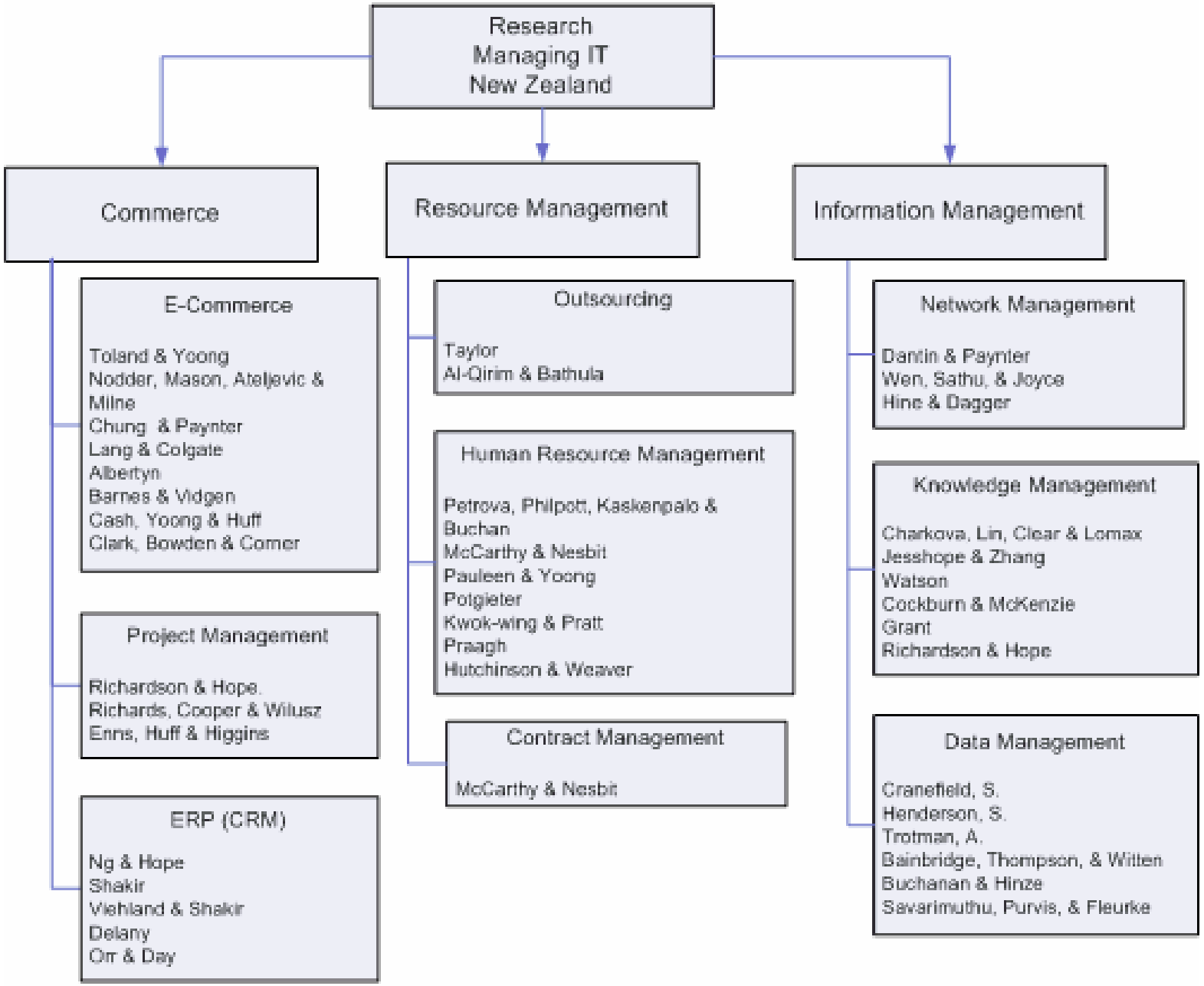
A Literature Map, Circular Design



Source: Creswell, J. W. (2012). *Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (4th ed. ed.). Boston: Pearson Education, Inc.*



Source: Ross' PhD Literature Review Mind Map



Source: http://www.wordsinspace.net/course_material/MatternLiteratureReviewTips.pdf

Review biases

- Read outdated version of a paper/book
- Reading but not writing
- Read unlinked papers (detect as much of the relevant literature as possible)
- Read before planning (defining a review protocol that specifies the research question being addressed)
- Start reading with few resources
- Language bias
- Publication bias
- Read everything
- Not keeping bibliographical information

Identifying a Research Problem

Researchers begin a study by identifying a research problem that they need to address. They write about this "problem" in the opening passages of their study and, in effect, give you as a reader the rationale for why the study is important and why you need to read their study.

Reference: Creswell, J. W. (2012). *Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (4th ed. ed.). Boston: Pearson Education, Inc.*

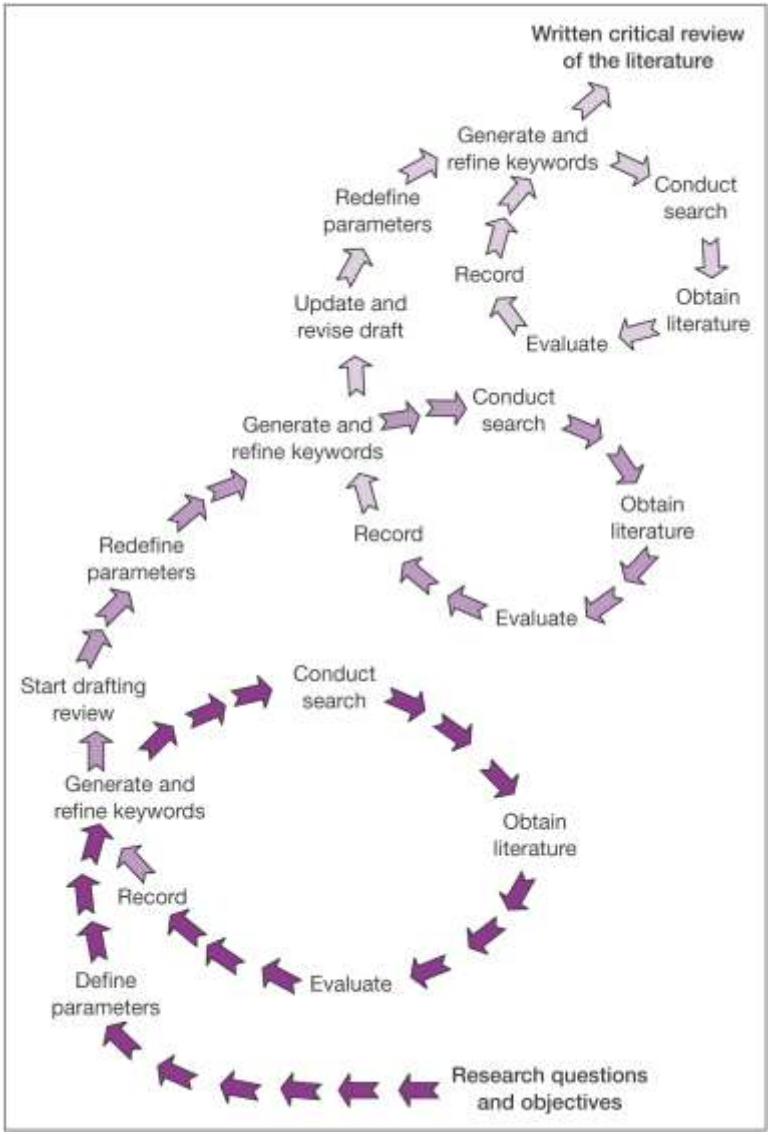
Reviewing the Literature

With so much information available, searching and locating good literature on your topic can be challenging. Five steps will provide a sense of how researchers proceed in reviewing the literature are:

1. ***Identify key terms to use in your search for literature.***
2. ***Locate literature about a topic by consulting several types of materials and databases,* including those available at an academic library and on the Internet.**
3. ***Critically evaluate and select the literature for your review.***
4. ***Organize the literature you have selected by abstracting or taking notes on the* literature and developing a visual diagram of it.**
5. ***Write a literature review that reports summaries of the literature for inclusion in your* research report.**

Reference: Creswell, J. W. (2012). *Educational research: Planning, Conducting, and Evaluating Quantitative and Qualitative Research (4th ed. ed.). Boston: Pearson Education, Inc.*

Selecting keywords



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.

Improving Readership of Your Articles

Appearing at the top of the list of search results, and having a useful description of your work, greatly improve the likelihood that a reader will find and download your document.

- Abstracts should include **keywords** that potential readers are likely to use in searches. It is especially valuable to modify and reuse words that appear in the document's title and full text to improve the article's rank when readers search for those words.

- The **first sentence of the abstract** is all that is likely to be displayed in the search page results, so make your first sentence one that will encourage readers to click the link.

Using keywords is a vital part of abstract writing, because of the practice of retrieving information electronically: keywords act as the search term. Use keywords that are specific, and that reflect what is essential about the paper. Put yourself in the position of someone researching in your field: what would you look for? Consider also whether you can use any of the current "buzzwords".

Source: http://www.emeraldinsight.com/authors/guides/write/abstracts.htm?part=1#2

Keywords

Selecting keywords lead to get more citation.

Web of Science

Want more keyword ideas? Try the Search-based Keyword Tool, a new tool that will generate ideas matched to your website.

Results are tailored to **English, United States** Edit

How would you like to generate keyword ideas?

- (•) Descriptive words or phrases (e.g. green tea)
- ( ) Website content (e.g. www.example.com/product?id=74893)

Enter one keyword or phrase per line:

Virtual R&D teams in new product development

[x] Use synonyms

▸ Filter my results

Get keyword ideas

Selected Keywords:

To advertise with these keywords on Google, export them in TEXT or CSV format. Click 'Sign up for AdWords' to create your AdWords account, then paste the keywords into your new campaign.

virtual teams « Remove

« Remove All

+ Add your own keywords

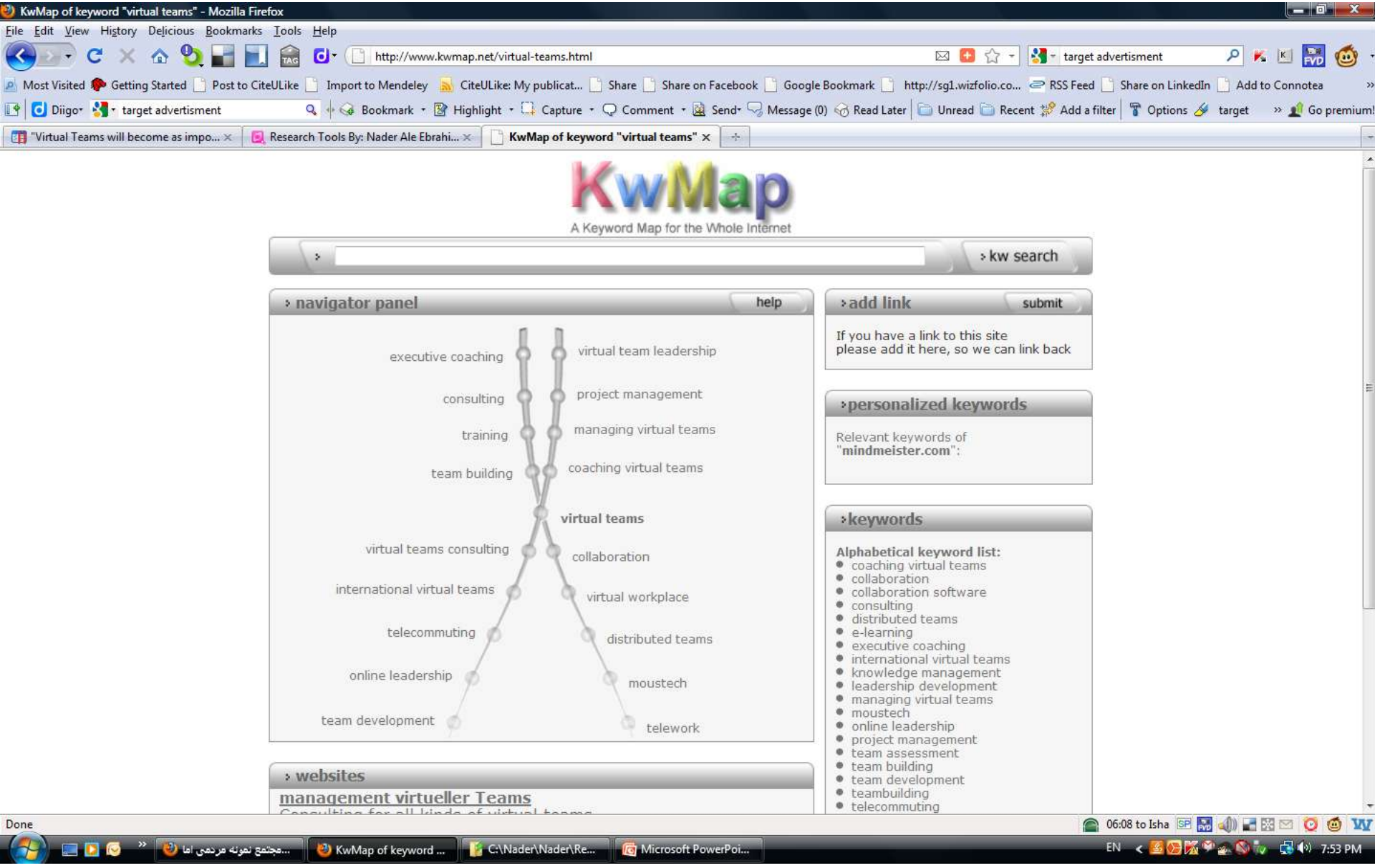
Get more related keywords

Download these keywords: text , .csv (for excel), .csv

Sign up for AdWords

Choose columns to display: Show/hide columns

Keywords	Advertiser Competition	Local Search Volume: December	Global Monthly Search Volume	Match Type: Broad
Keywords related to term(s) entered - sorted by relevance				
virtual r&d teams in new product development		Not enough data	Not enough data	Add
				Add all 1 »
				Download all keywords: text, .csv (for excel), .csv
Additional keywords to consider - sorted by relevance				
new product		246,000	246,000	Add
product launch		49,500	60,500	Add
product		11,100,000	11,100,000	Add
product management		165,000	201,000	Add
research and development management		880	1,900	Add
technology and innovation		9,900	14,800	Add
innovation collaborative		1,600	1,900	Add
technology innovation		27,100	40,500	Add
collaboration technology		3,600	4,400	Add



KwMap of keyword "virtual r&d teams" - Mozilla Firefox

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http://www.kwmap.net/virtual-R&D-teams.html

target advertisment

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KwMap

A Keyword Map for the Whole Internet

kw search

navigator panel help

add link submit

If you have a link to this site
please add it here, so we can link back

personalized keywords

Relevant keywords of
"**mindmeister.com**":

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KeyWords Plus

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

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

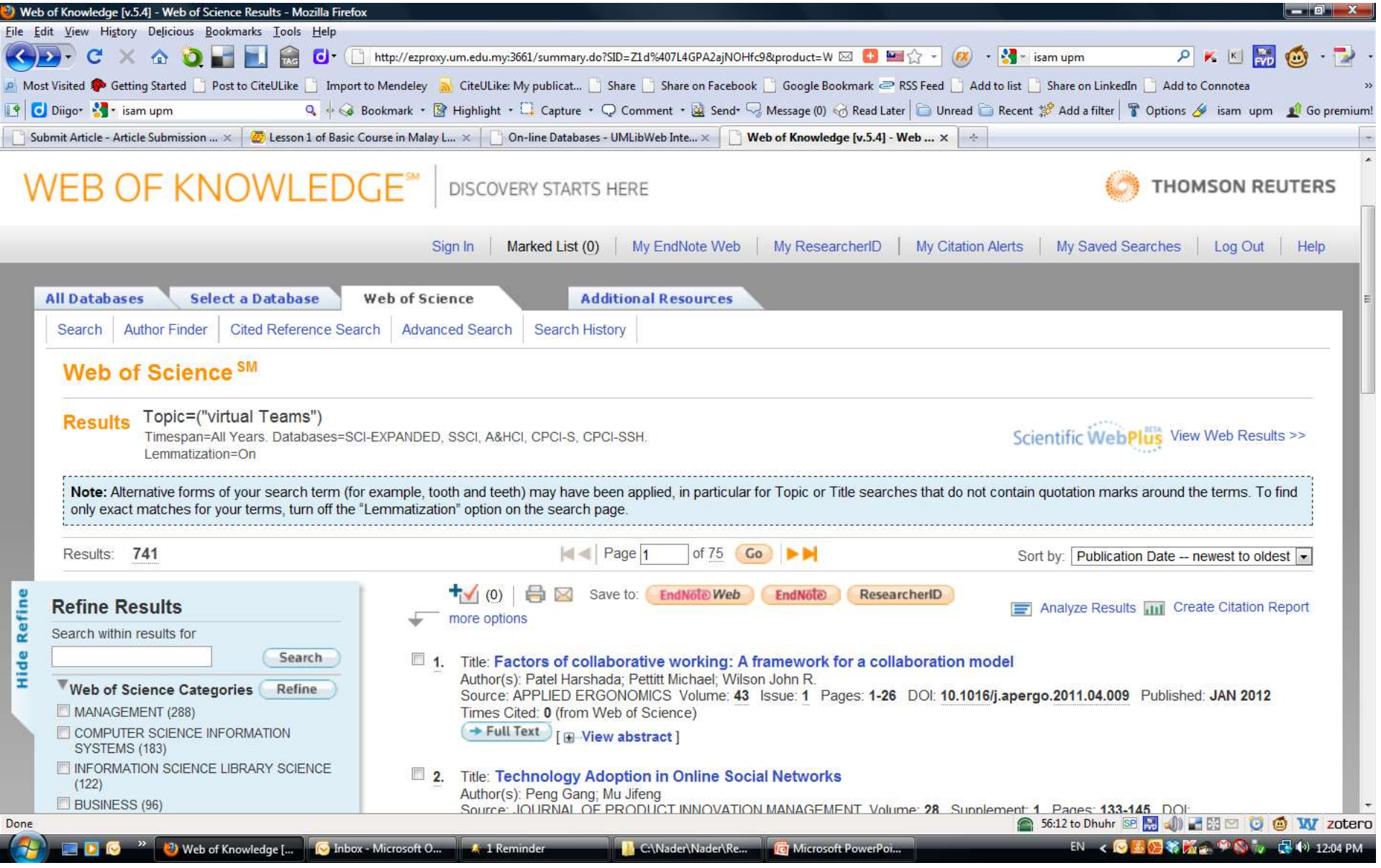
Thanks and keep your feedback and questions coming!

Smiles,

Lim Khee Hiang
Ph.D., Principal Consultant

KeyWords Plus- Example

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



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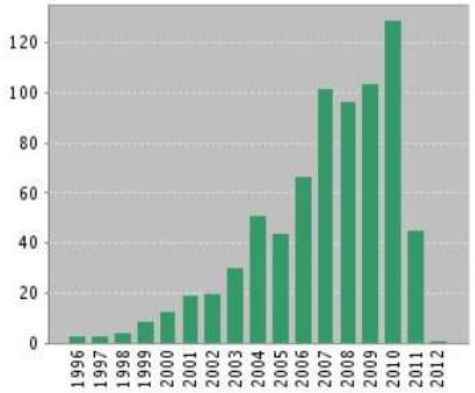
Citation Report

Topic=("virtual Teams")

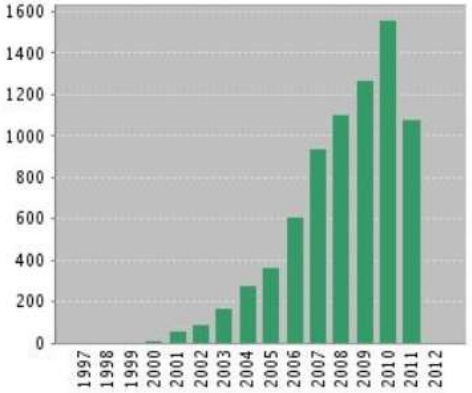
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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



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Sum of Times Cited without self-citations [?] :	4771
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View without self-citations	
Average Citations per Item [?] :	10.20
h-index [?] :	42

Results: 741 | Page 1 of 75 Go | Sort by: Times Cited -- highest to lowest

	2008	2009	2010	2011	2012	Total	Average

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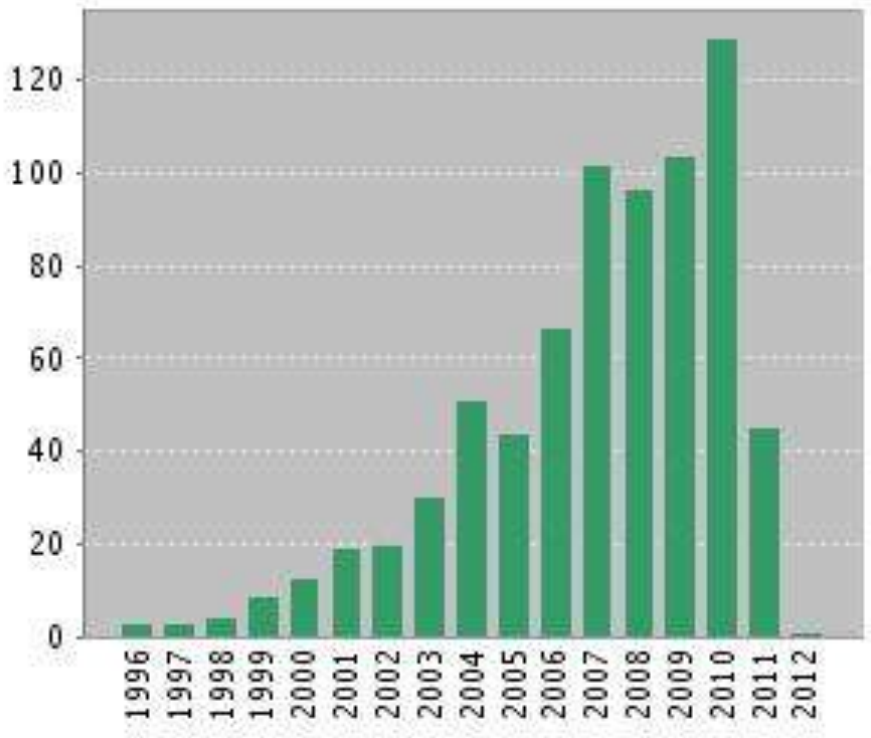
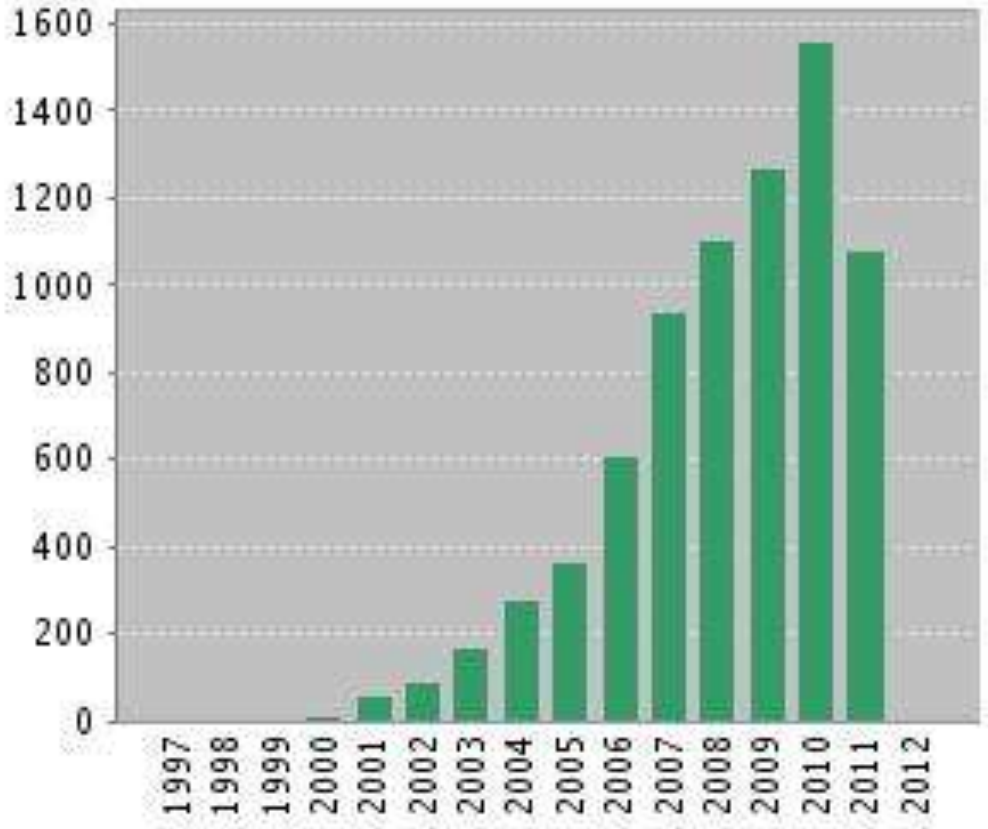


Published Items in Each Year (Retrieved on 2 December 2011) from WOS



Citations in Each Year (Retrieved on 2 December 2011) from WOS

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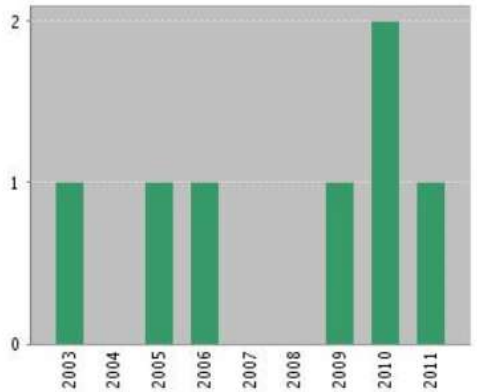
Citation Report

Topic=("virtual R&D Teams")

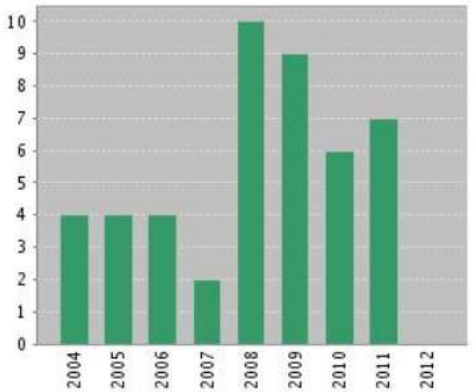
Timespan=All Years. Databases=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH.

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



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View Citing Articles	
View without self-citations	
Average Citations per Item [?] :	6.57
h-index [?] :	2

Results: 7 | Page 1 of 1 Go | Sort by: Times Cited -- highest to lowest

	2008	2009	2010	2011	2012	Total	Average

Done

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Where to Find Research Literature

- **ISI *Web of Knowledge***
- **Research tools Mind Map** **(Refer to "search for proper article" section)**

Finding review articles

- To demonstrate finding review articles in a *Google Scholar* search, enter the search:
- *"health insurance""review article"* and click on the **Search** button.

How do I select material?

Use three major criteria for selection, and ask yourself some questions:

•**relevance**

• has the material contributed to the development of you main concepts?

• does it clarify your position (either by supporting or contrasting with it)?

• does it provide key interpretations or models you can apply to your design?

• is the material bound to a particular context or culture?

authority

• is the author qualified to report on the subject?

• has it been published by a reputable source or can you justify why it is an important source?

• has the material been critically evaluated or assessed by other authors or colleagues; for

example, peer reviewed or professionally edited.

currency

• is the material still influential in the field?

• are you keeping up to date with new research?

Source: Writing the Literature Review / Using the Literature

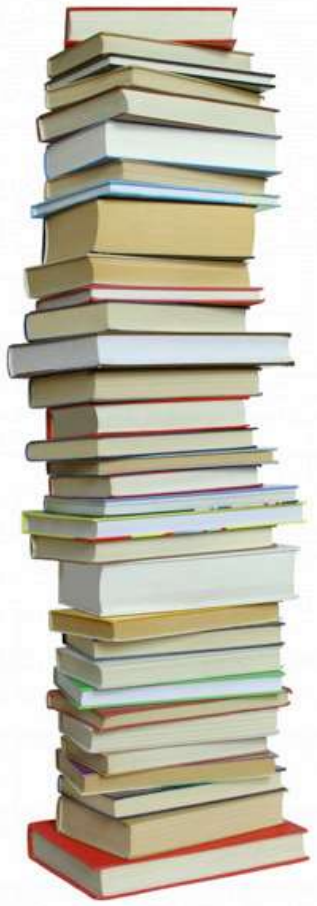
Critically Analyzing Information Sources

1- Initial Appraisal:

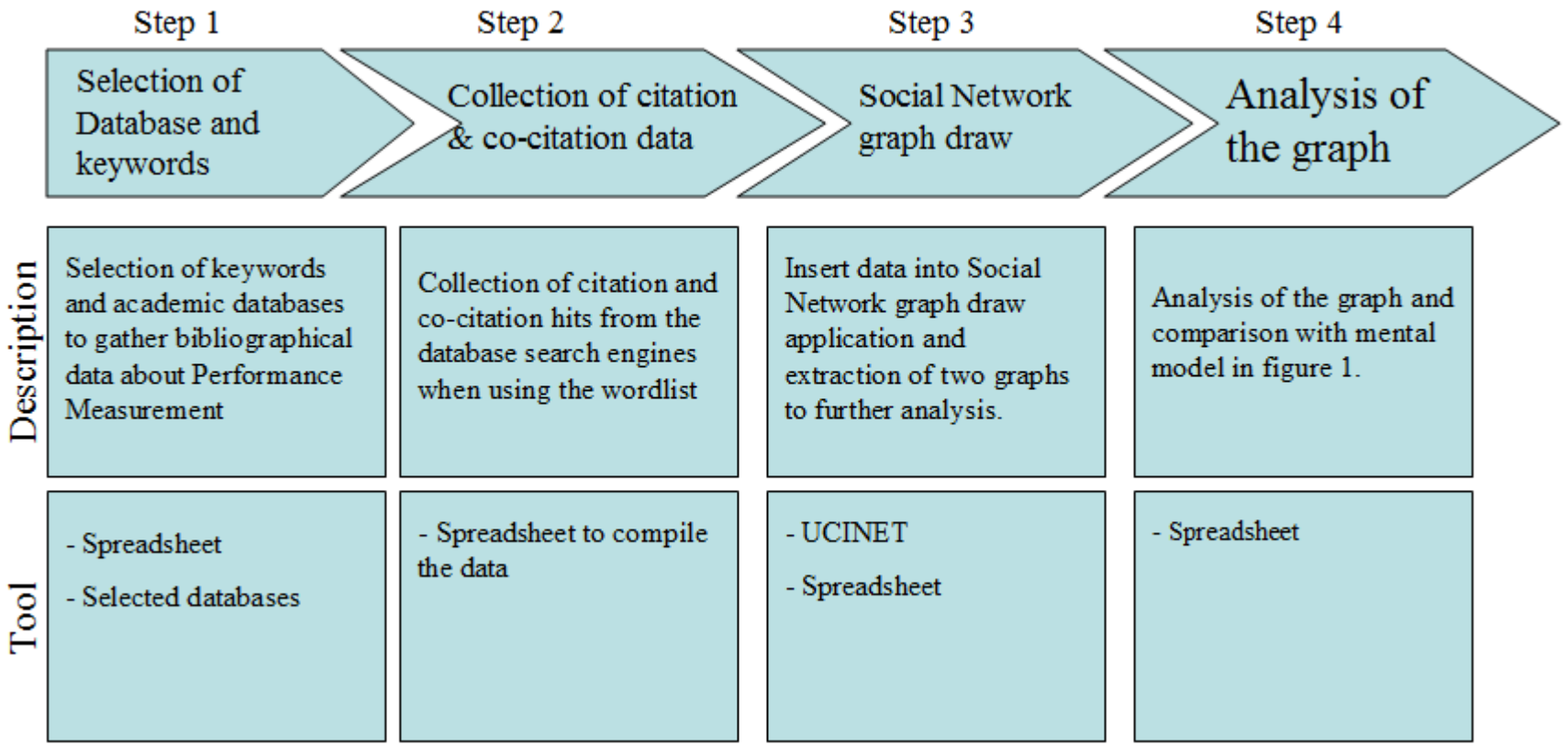
- Author
- Date of Publication
- Edition or Revision
- Publisher
- Title of Journal (Distinguishing Scholarly Journals from other Periodicals)

2- Content Analysis:

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



Research planning steps



Source: 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.*

Keywords used in the research

#	Keyword
1	Performance Measurement System
2	Performance Measurement
3	Performance Indicators
4	Metrics
5	Software Services
6	Licensing
7	IT Asset Management
8	Behavior AND Commitment
9	Culture
10	Global Team

Source: 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.*

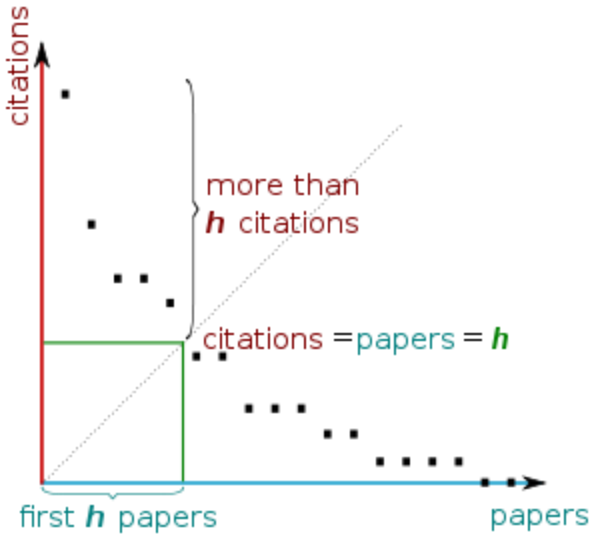
Articles before and after the 'substantive review'

#	Keyword	# entries after review	# entries initial
1	Performance Measurement System	36	494
2	Performance Measurement	19	1046
3	Performance Indicators	14	698
4	Metrics	1	12
5	Software Services	0	671
6	Licensing	4	275
7	IT Asset Management	1	31
8	Behavior AND Commitment	1	2
9	Culture	6	181
10	Global Team	0	2
		82	3412

Source: 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.*

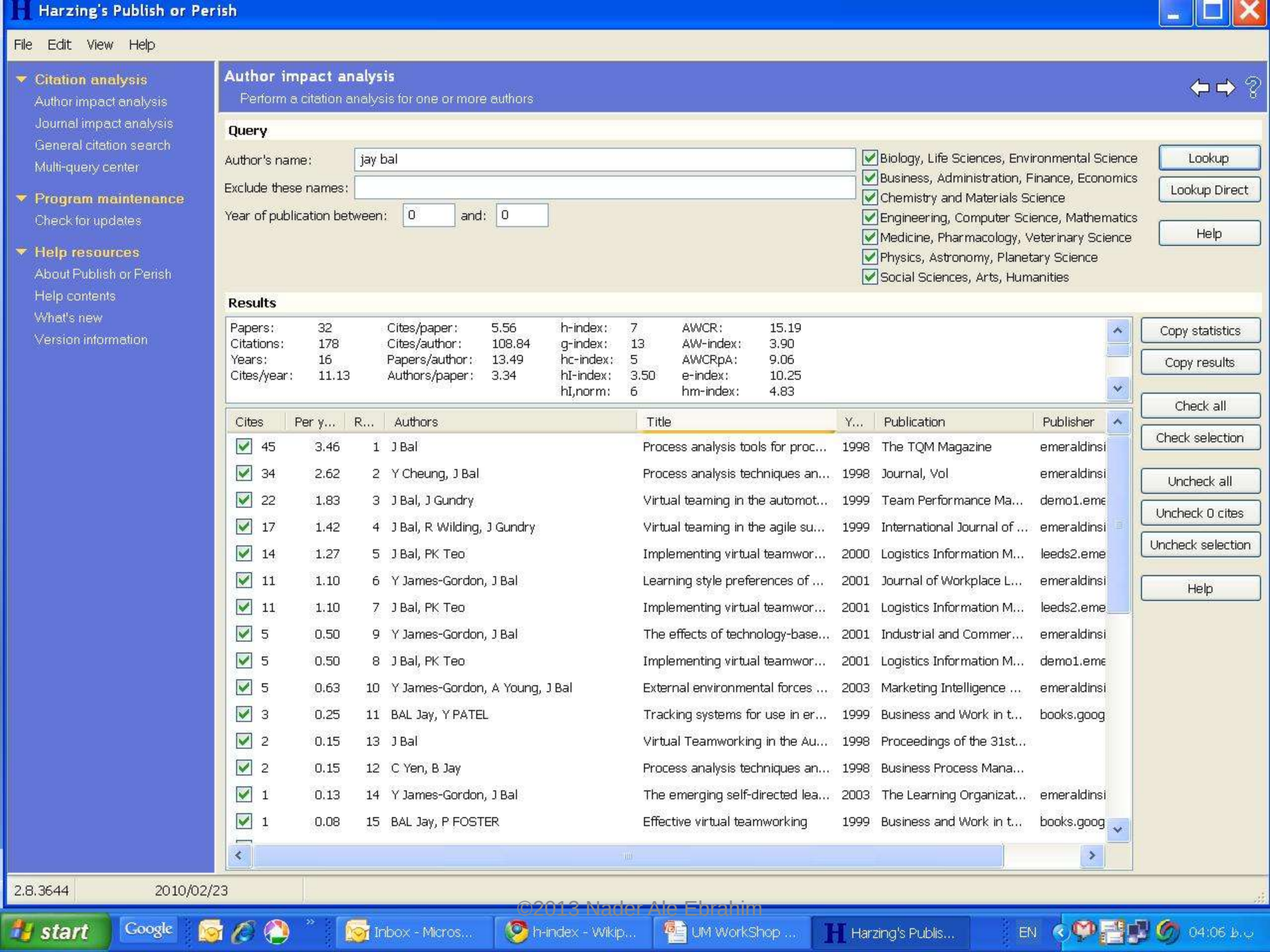
h-index (Jorge E. Hirsch)

- *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

Comments: *The candidate made an extensive bibliographic analysis. The adopted approach taking into account ISI references and h-index shows a clear concern with quality. It is arguable that h-index should be used in absolute (as it can exclude relevant recent work by younger authors), but it is commendable that the candidate shows concerns about the quality of the sources.*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Version information
Author impact analysis
Perform a citation analysis for one or more authors
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Exclude these names:
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Biology, Life Sciences, Environmental Science
Business, Administration, Finance, Economics
Chemistry and Materials Science
Engineering, Computer Science, Mathematics
Medicine, Pharmacology, Veterinary Science
Physics, Astronomy, Planetary Science
Social Sciences, Arts, Humanities
Lookup
Lookup Direct
Help
Results
Papers: 32 Cites/paper: 5.56 h-index: 7 AWCR: 15.19
Citations: 178 Cites/author: 108.84 g-index: 13 AW-index: 3.90
Years: 16 Papers/author: 13.49 hc-index: 5 AWCRpA: 9.06
Cites/year: 11.13 Authors/paper: 3.34 hI-index: 3.50 e-index: 10.25
hI,norm: 6 hm-index: 4.83
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Copy results
Check all
Check selection
Uncheck all
Uncheck 0 cites
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Cites Per y... R... Authors Title Y... Publication Publisher
45 3.46 1 J Bal Process analysis tools for proc... 1998 The TQM Magazine emeraldinsi
34 2.62 2 Y Cheung, J Bal Process analysis techniques an... 1998 Journal, Vol emeraldinsi
22 1.83 3 J Bal, J Gundry Virtual teaming in the automot... 1999 Team Performance Ma... demo1.eme
17 1.42 4 J Bal, R Wilding, J Gundry Virtual teaming in the agile su... 1999 International Journal of ... emeraldinsi
14 1.27 5 J Bal, PK Teo Implementing virtual teamwor... 2000 Logistics Information M... leeds2.eme
11 1.10 6 Y James-Gordon, J Bal Learning style preferences of ... 2001 Journal of Workplace L... emeraldinsi
11 1.10 7 J Bal, PK Teo Implementing virtual teamwor... 2001 Logistics Information M... leeds2.eme
5 0.50 9 Y James-Gordon, J Bal The effects of technology-base... 2001 Industrial and Commer... emeraldinsi
5 0.50 8 J Bal, PK Teo Implementing virtual teamwor... 2001 Logistics Information M... demo1.eme
5 0.63 10 Y James-Gordon, A Young, J Bal External environmental forces ... 2003 Marketing Intelligence ... emeraldinsi
3 0.25 11 BAL Jay, Y PATEL Tracking systems for use in er... 1999 Business and Work in t... books.goog
2 0.15 13 J Bal Virtual Teamworking in the Au... 1998 Proceedings of the 31st...
2 0.15 12 C Yen, B Jay Process analysis techniques an... 1998 Business Process Mana...
1 0.13 14 Y James-Gordon, J Bal The emerging self-directed lea... 2003 The Learning Organizat... emeraldinsi
1 0.08 15 BAL Jay, P FOSTER Effective virtual teamworking 1999 Business and Work in t... books.goog
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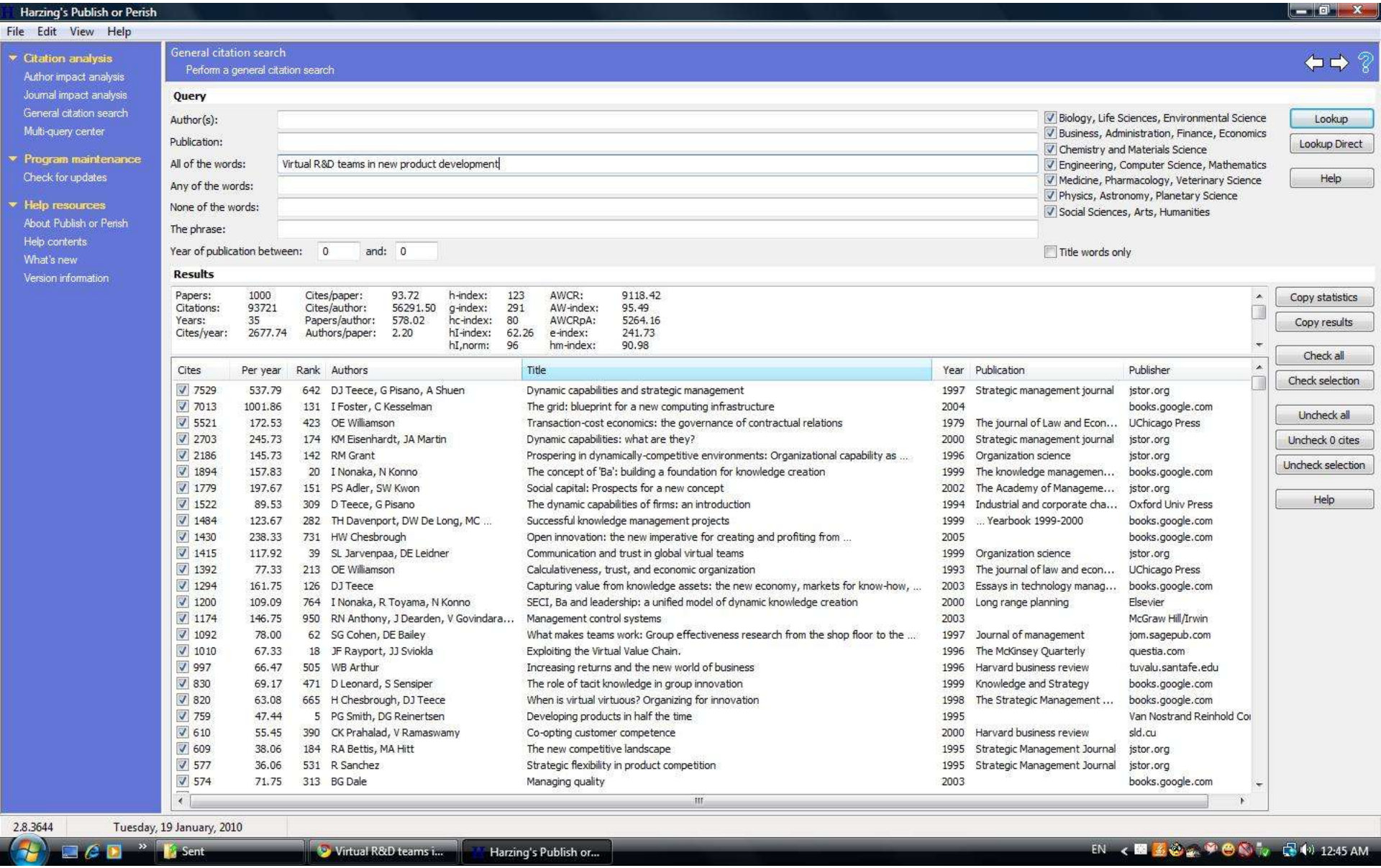
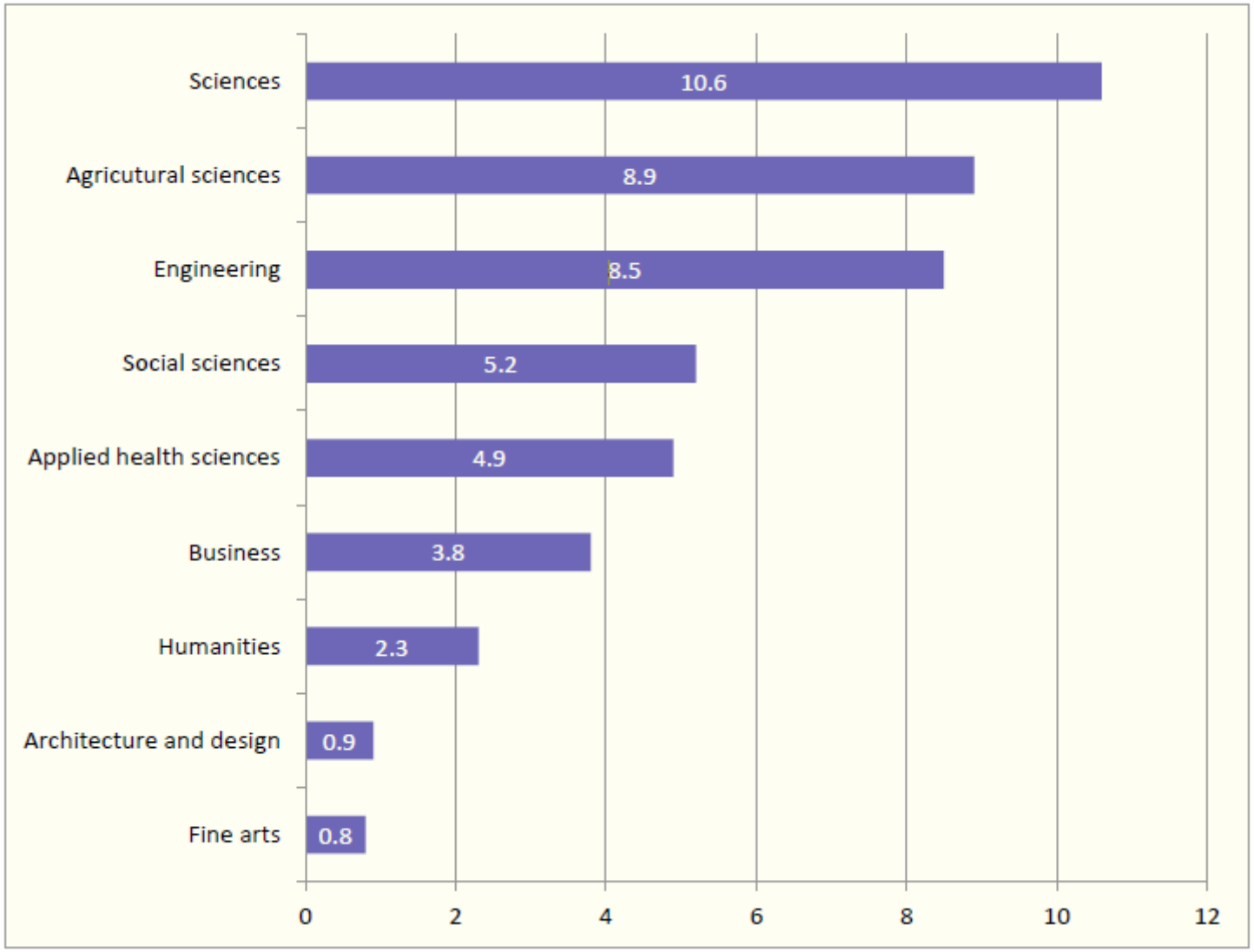


Figure 1: Mean H-index Scores by Field of Study



Source: Making Research Count: Analyzing Canadian Academic Publishing Cultures

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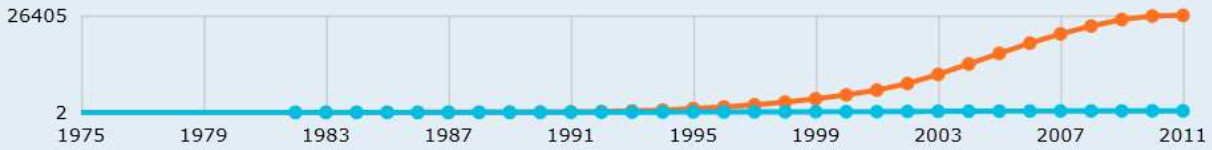
Scott J. Shenker University of California Berkeley

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

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

Collaborated with 375 co-authors from1982to2010; Cited by 22343 authors

Homepage | Bing



publications citations

Cumulative Annual

Co-author (375)

Ion Stoica

Deborah Estrin

Sylvia Ratnasamy

Ramesh Govindan

Lee Breslau

Co-author Path

Conference (41)

SIGCOMM

INFOCOM

NSDI

IPTPS

PODC

Journal (35)

CCR

Publication (479)

BibTeX

Order by: Year

View...

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

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

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

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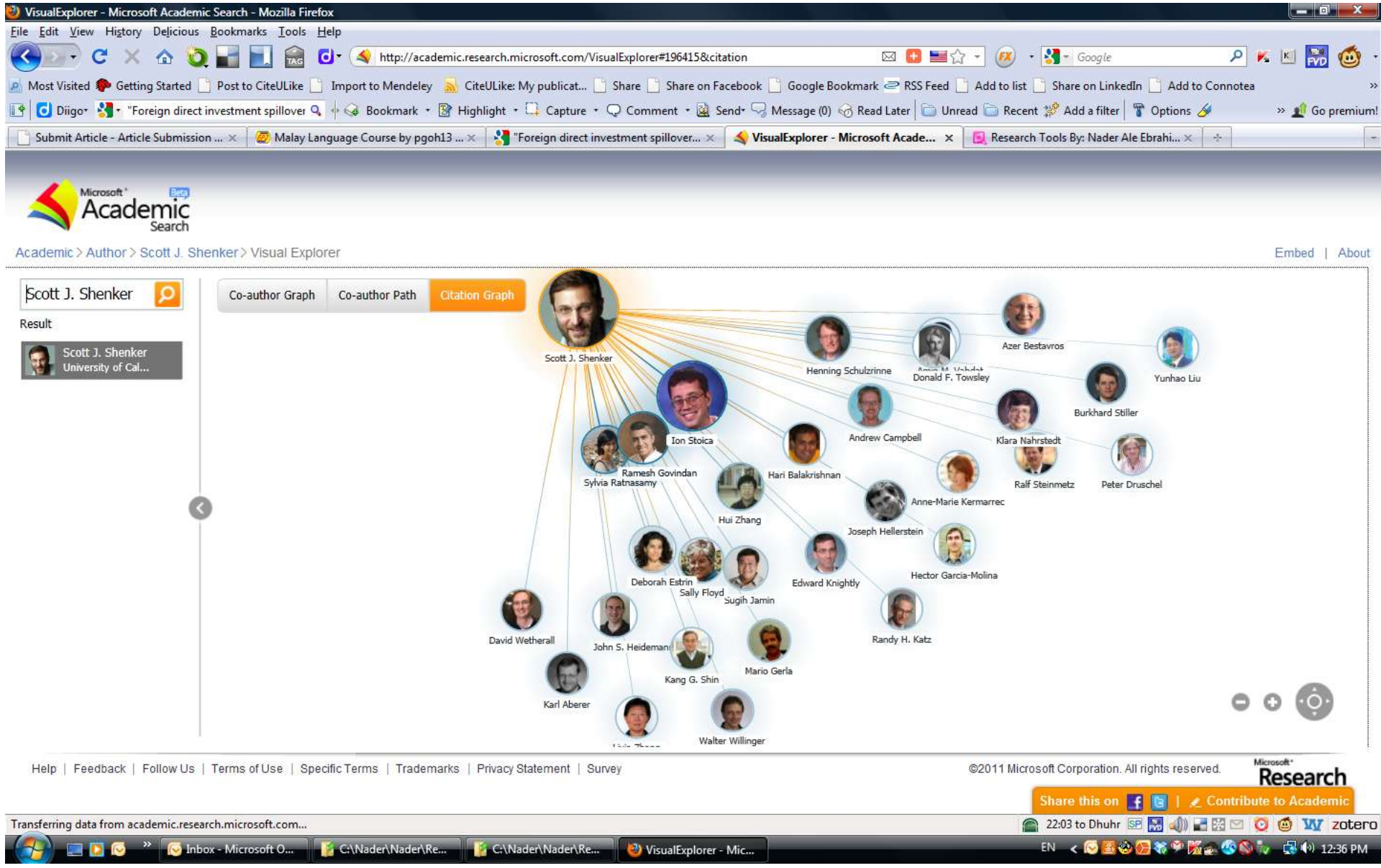

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University of Cal...

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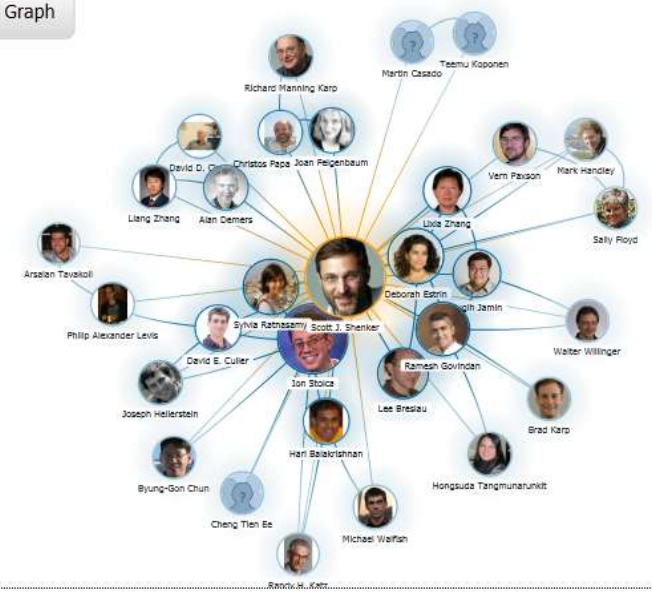

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Paper/journal quality

- Journal Index, Impact Factor
- 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.

The Institute for Scientific Information (ISI)

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.

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.

Web of Science Coverage Expansion

by ThomsonReuters on 04-27-2010 01:42 PM

In recent years, we have witnessed an explosion in the production and availability of scholarly research results. This growth is reflected in the gradual expansion of journal coverage in the Web of Science.

Journal coverage in Web of Science consists of three major indexes, namely the (**Science Citation Index Expanded**, the **Social Sciences Citation Index**, and the **Arts & Humanities Citation Index**. In addition, the Conference Proceedings Citation Index (formerly ISI Proceedings) became an edition of Web of Science in October) 2008.

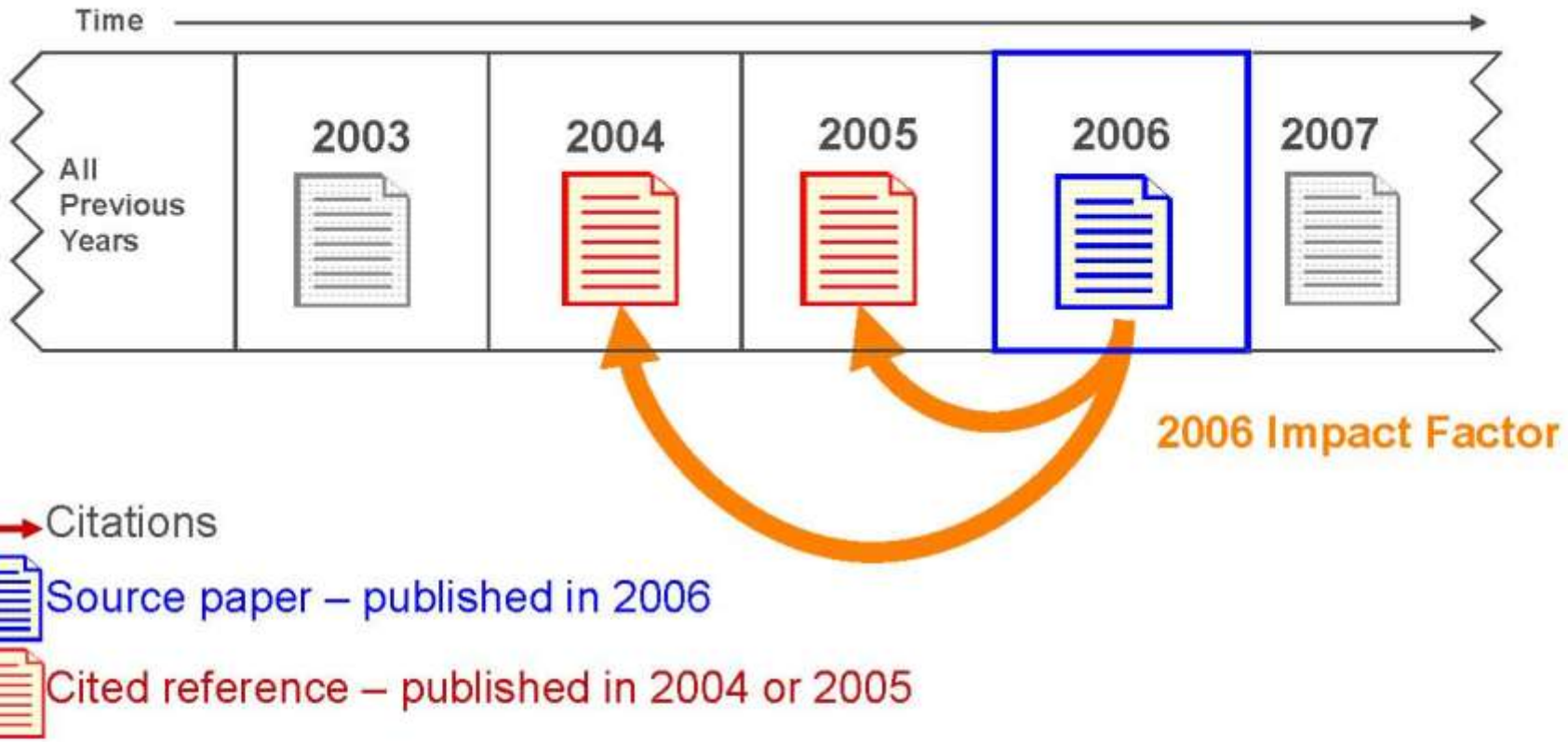
In 2000 journal coverage in Web of Science totaled 8,684 titles. In 2005, Web of Science covered 9,467 journals, an increase of 9%. As of April 1, 2010 **11,519 journals** are covered in **Web of Science**, and increase of 22%.

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-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.



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

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

THOMSON REUTERS

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

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

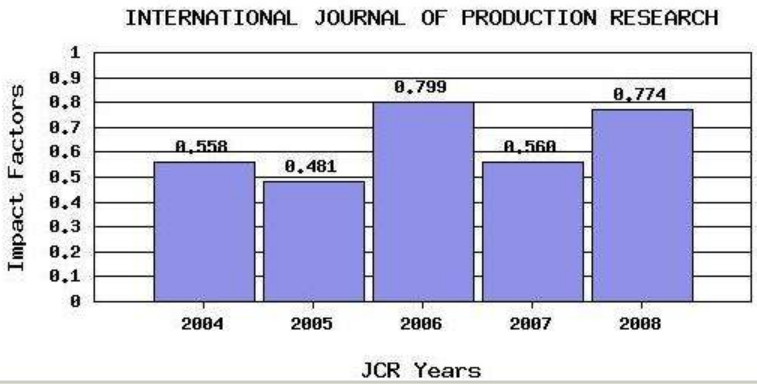
Journal Impact Factor

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 / Number of recent items = 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: 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

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**

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**.

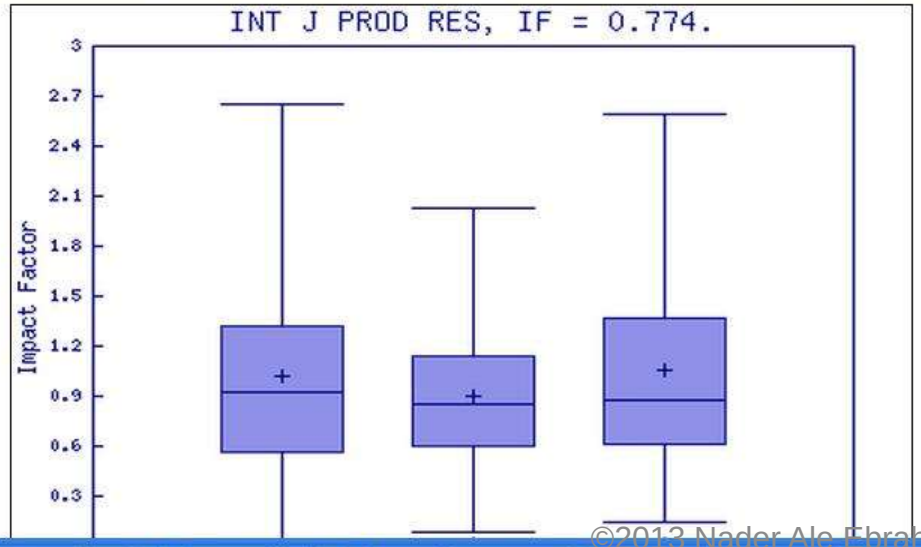
This table shows the ranking of this journal in its subject categories based on Impact Factor.

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 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)

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

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)

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

Journal Summary List

Journal Title Changes

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

Sorted by: Total Cites SORT AGAIN

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

MARK ALL UPDATE MARKED LIST

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 MATER PROCESS TECH	0924-0136	11836	1.143	1.402	0.154	927	6.0	0.03738	0.412
☐	2	INT J PROD RES	0020-7543	5900	0.774	1.380	0.132	325	9.0	0.01042	0.360
☐	3	INT J PROD ECON	0925-5273	4733	2.026	2.767	0.344	358	5.9	0.01131	0.612
☐	4	ERGONOMICS	0014-0139	4167	1.604	1.729	0.110	127	>10.0	0.00525	0.436
☐	5	CIRP ANN-MANUF TECHN	0007-8506	3771	1.123	1.514	0.094	149	>10.0	0.00474	0.307
☐	6	COMPUT OPER RES	0305-0548	3389	1.366	1.789	0.318	261	6.1	0.01317	0.673
☐	7	IIE TRANS	0740-817X	2656	1.023	1.373	0.144	90	>10.0	0.00659	0.673
☐	8	RELIAB ENG SYST SAFE	0951-8320	2490	1.379	1.666	0.304	168	6.6	0.00790	0.549
☐	9	COMPUT IND ENG	0360-8352	2389	1.057	1.637	0.209	139	9.0	0.00438	0.437
☐	10	J PROD INNOVAT MANAG	0737-6782	1832	2.650	3.607	0.121	33	9.5	0.00285	0.953
☐	11	J QUAL TECHNOL	0022-4065	1765	1.837	2.007	0.156	32	>10.0	0.00301	0.955
☐	12	APPL ERGON	0003-6870	1719	1.250	1.419	0.489	88	8.2	0.00333	0.404
☐	13	IEEE T ENG MANAGE	0018-9391	1507	1.156	2.153	0.152	46	8.2	0.00312	0.655
☐	14	TECHNOVATION	0166-4972	1477	1.907	1.871	0.183	71	4.7	0.00327	0.312
☐	15	J CONSTR ENG M ASCE	0733-9364	1410	0.564	0.954	0.049	103	7.7	0.00292	0.234
☐	16	INT J IND ERGONOM	0169-8141	1288	0.760	0.995	0.071	99	8.3	0.00230	0.245
☐	17	PROD PLAN CONTROL	0953-7287	1007	0.597	1.045	0.127	63	7.5	0.00195	0.265

Real Impact Factor

Journal Self Cites (JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY- IF= 1009)

Total Cites	4923
Cites to Years Used in Impact Factor Calculation	322
Impact Factor	1.009

Self Cites	457 (9% of 4923)
Self Cites to Years Used in Impact Factor Calculation	66 (20% of 322)
Impact Factor without Self Cites	0.803

Number of references

Journal Source Data (JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY- IF= 1009)

	Citable items			
	Articles	**Reviews**	**Combined**	**Other items**
Number in JCR year 2009 (A)	176	6	182	32
Number of references (B)	5200	839	6039	123.00
Ratio (B/A)	29.5	139.8	33.2	3.8

Journal Source Data

The Source Data Table shows the number of citable items in the JCR year. Citable items are further divided into articles (that is, research articles) and reviews.

An item is classified as a **review** if it meets any of the following criteria:

it cites more than **100 references**

it appears in a review publication or a **review section of a journal**

the word ***review* or *overview*** appears in its title

the abstract states that it is a **review** or survey

Other items include editorials, letters, news items, and meeting abstracts. These items are not counted in JCR calculations because they are not generally cited. Data in this column are available only in JCR 2003 and subsequent years.

The table also shows the number of references cited by the articles and reviews in the JCR year. The ratio of references to citable items indicates the average number of references cited by an article or review.

Cited Journal: JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY

Journals 1 - 20 (of 394) [1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10] Page 1 of 20

Impact	Citing Journal	Cited Year											
		All Yrs	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	Rest
	All Journals	4923	9	110	212	274	275	281	266	286	214	186	2810
1.009	J OPER RES SOC	457	2	18	48	35	37	36	29	26	16	18	192
	EUR J OPER RES	436	0	7	23	34	23	26	30	34	16	18	225
	ALL OTHERS (354)	354	1	12	10	15	25	21	18	20	6	19	207
	COMPUT OPER RES	167	1	7	4	9	10	15	10	10	5	3	93
	INT SER OPER RES MAN	157	0	0	2	3	5	6	8	8	3	14	108
	COMPUT IND ENG	144	2	2	6	8	11	7	7	12	9	0	80
	INT J PROD ECON	142	0	4	5	3	12	10	11	3	6	9	79
	EXPERT SYST APPL	130	1	1	2	10	14	10	17	8	9	4	54
	STUD COMP INTELL	102	0	0	5	4	9	14	4	4	10	2	50
	INT J ADV MANUF TECH	93	0	0	4	6	6	5	2	5	4	1	60
3.101	OMEGA-INT J MANAGE S	90	0	0	3	10	2	3	1	4	2	4	61
	INT J PROD RES	69	0	1	2	5	6	2	4	5	5	3	36
	OPERAT RES COMP SCI	67	0	0	1	8	2	1	3	10	8	2	32
	LECT NOTES COMPUT SC	66	0	2	2	2	3	4	4	5	2	1	41
	INT J SYST SCI	62	0	1	0	0	3	1	3	4	1	1	48
	SPRING SER RELIAB EN	53	0	0	1	4	2	2	6	0	4	2	32
	APPL MATH MODEL	52	0	0	0	0	1	2	1	5	4	0	39
	I C WIREL COMM NETW	45	0	1	3	0	1	2	4	5	1	0	28
	ANN OPER RES	39	0	2	3	3	1	3	0	2	2	0	23
	CONTEMP SY												

Citing Journal: JOURNAL OF THE OPERATIONAL RESEARCH SOCIETY

Journals 1 - 20 (of 575) [*1* | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10] **Page 1 of 29**

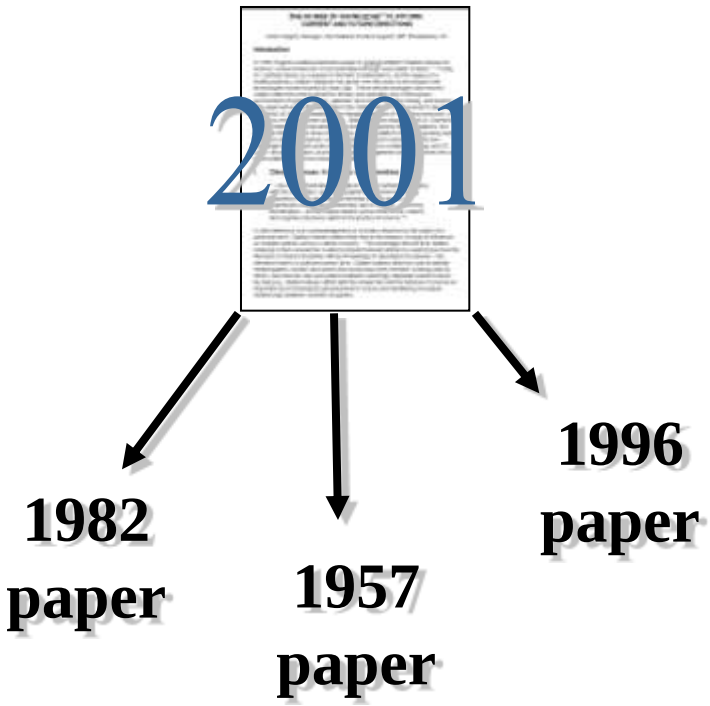
Impact	Cited Journal	Cited Year											
		All Yrs	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	Rest
	All Journals	6162	19	134	297	392	327	396	315	303	312	270	3397
	ALL OTHERS (1820)	1820	7	43	80	134	100	120	106	89	96	79	966
1.009	J OPER RES SOC	457	2	18	48	35	37	36	29	26	16	18	192
	EUR J OPER RES	444	5	22	39	22	16	36	29	35	27	14	199
2.227	MANAGE SCI	185	0	3	1	1	6	4	4	0	7	2	157
1.576	OPER RES	182	0	1	4	4	3	3	1	6	6	4	150
	COMPUT OPER RES	108	1	7	9	18	11	9	8	4	7	2	32
	LECT NOTES COMPUT SC	66	0	0	6	4	7	4	10	5	15	4	11
	INT J PROD ECON	47	2	1	4	6	4	9	0	5	6	1	9
	OPER RES QUART	45	0	0	0	0	0	0	0	0	0	0	45
3.101	OMEGA-INT J MANAGE S	44	0	3	3	5	2	2	2	1	1	2	23
	ANN OPER RES	43	0	2	2	3	3	4	0	3	1	1	24
0.838	INTERFACES	41	0	0	0	3	3	0	1	3	1	1	29
	INT J PROD RES	39	0	1	3	4	3	1	7	2	2	1	15
	NAV RES LOG	38	0	1	0	1	2	2	2	0	1	3	26
1.479	TRANSPORT SCI	38	0	2	1	1	3	1	2	0	1	2	25
	IIE TRANS	34	0	2	0	1	2	4	1	3	2	1	18
	MNGT SCI	34	0	0	0	0	0	0	0	0	0	0	34
0.806	J PROD ANAL	31	0	0	1	1	1	5	1	1	3	4	14
3.099	J MARKETING RES	31	0	0	0	2	3	4	0	1	2	1	18
	COMPUT IND ENG	27	0	0	1	1	1	2	4	1	1	3	13

Citation tracking

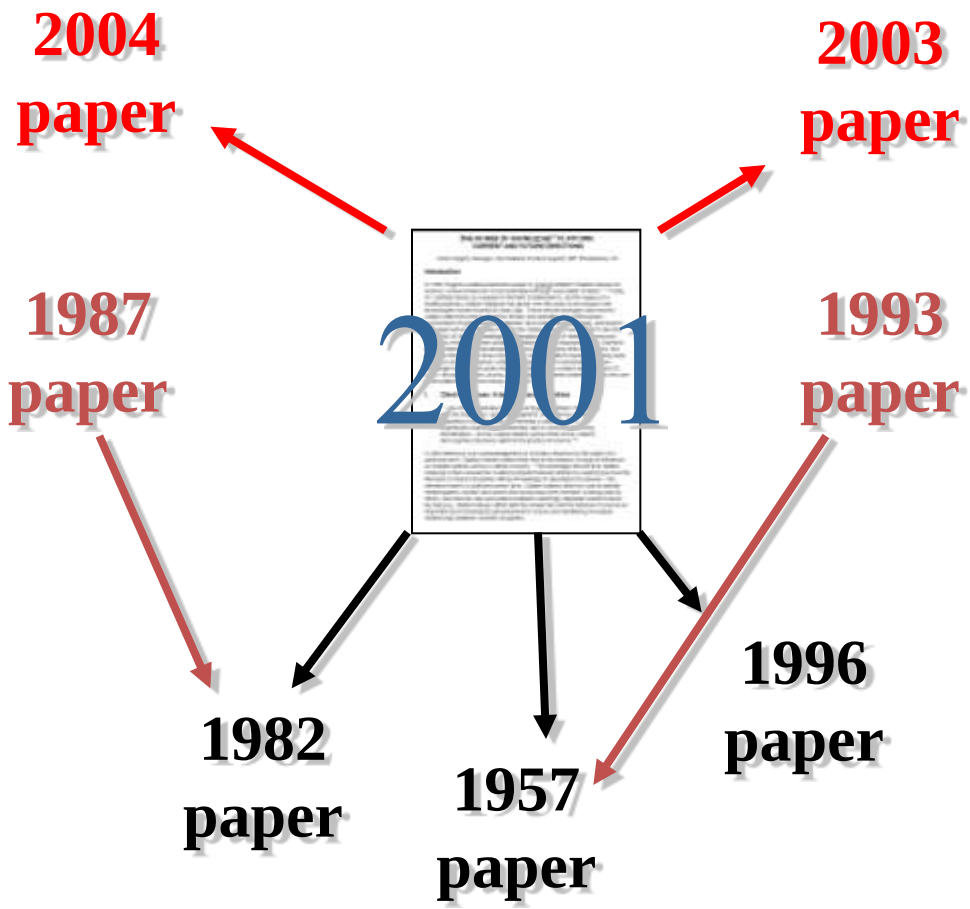
- Citation indexes allows you to search the academic literature in ways that illuminate the progress of academic debate in your field. With a citation index, you can easily identify the most influential articles, and the leading academic authorities. You can track backwards (using lists of cited articles) and forwards (using lists of articles which cite a particular article). As a result, you can determine the position of academic debate at any time in the past

Cited Reference Searching

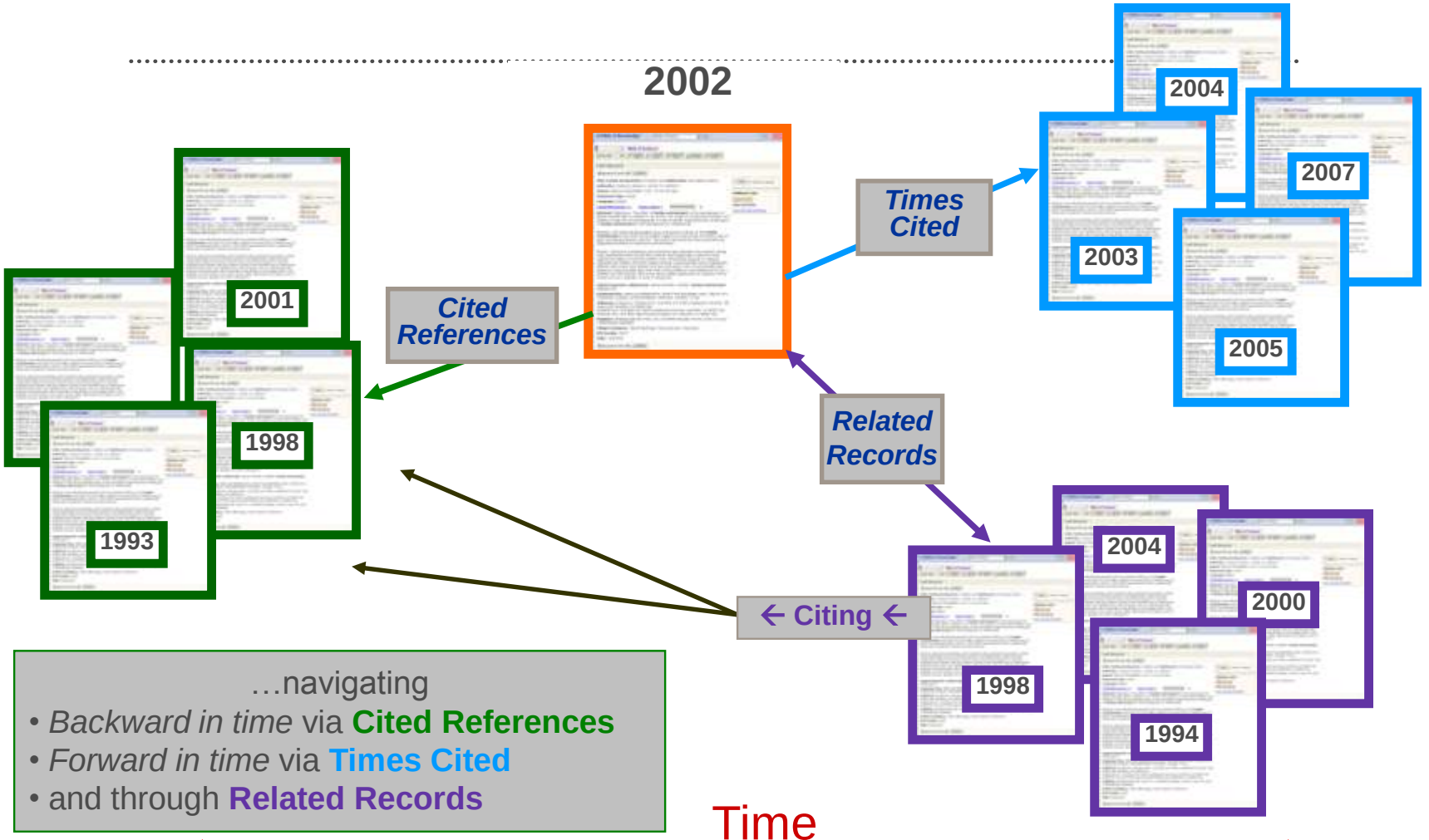
Traditional search



Cited reference search



Literature Citation Information – Driving Discovery of "CLOSE Art"



…navigating
- *Backward in time* via **Cited References**
- *Forward in time* via **Times Cited**
- and through **Related Records**

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.

For More Info.

How to do an Effective Literature Search?

Application Training Module Series I
by Customer Education Team

ts.training.asia@thomson.com

Keeping up-to-date

Keeping up-to-date

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.

Keeping up-to-date

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

Keeping up-to-date

Create a Google Alert

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

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 **...**
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- 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.

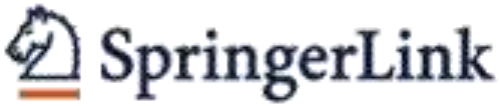
Access all new results in Scopus for this Document Citation Alert.

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.

Keeping up-to-date



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:
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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.

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...

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.

Writing Literature Review

Writing your literature review

Writing your literature review takes time. You may need to complete several drafts before your final copy. It is important to have a good introduction that clearly tells the reader what the literature will be about.

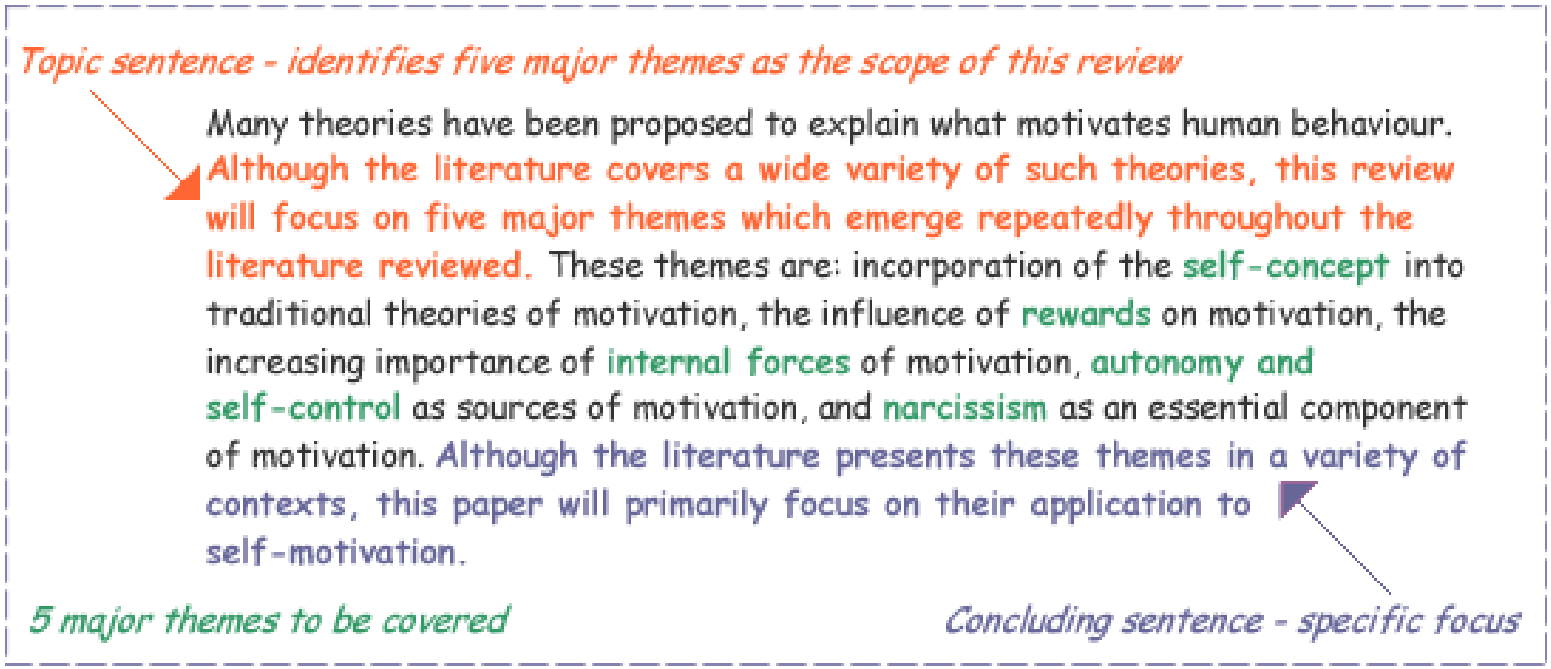
An introduction must tell the reader the following:

- **what you are going to cover in the review**
- **the scope of your research**
- **how the review ties in with your own research topic.**

Source: https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/writing.html

Introduction

This is a good example of an introduction because it has a topic sentence which indicates what will be covered and also tells the reader the specific focus of the literature review in the concluding sentence.



Paragraphs

A paragraph is a group of connected sentences that develop a single point, argument or idea. Paragraphs need to link to other paragraphs so that the themes, arguments or ideas developed are part of a coherent whole rather than separate bits.

A paragraph should include:

- **a main statement / idea that you are putting forward, ie topic sentence**
- **evidence from research to support / argue your idea, showing where the writers agree and / or disagree**
- **student analysis of the research literature where appropriate**
- **summing up and linking to the next idea (paragraph).**

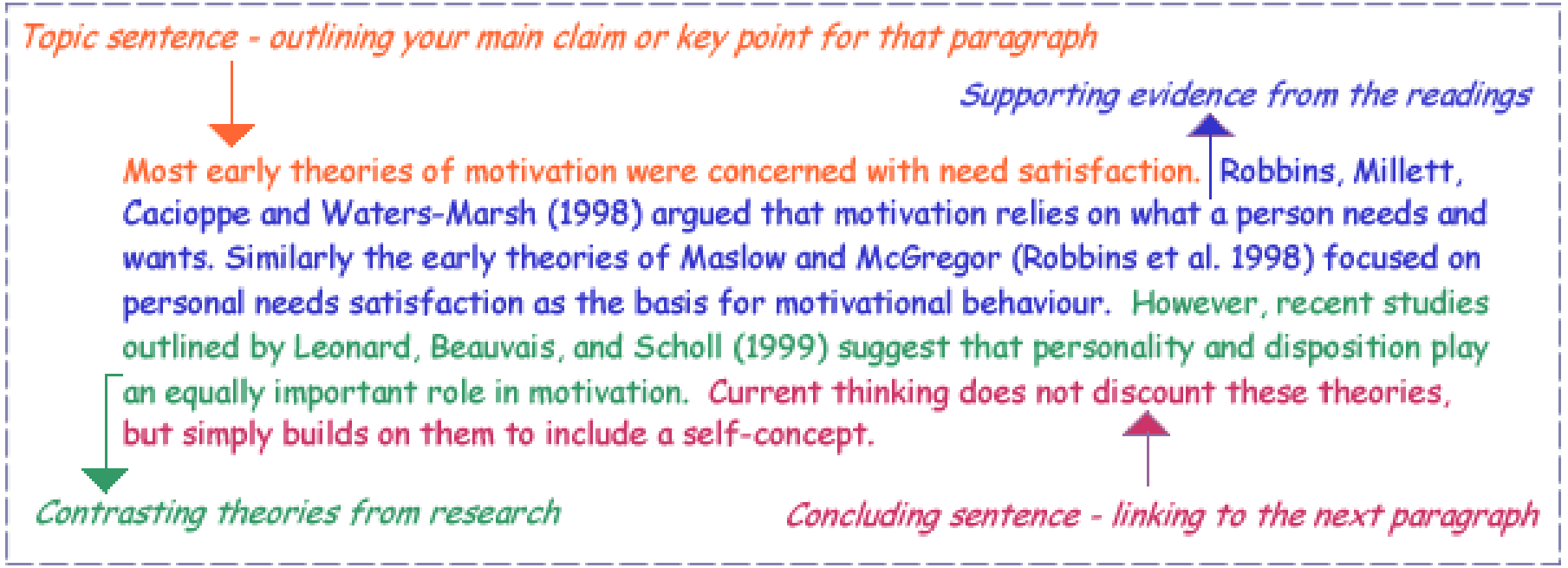
In the literature review, you will need to show evidence of integrating your readings into each paragraph and analysis of the readings where necessary.

Source: https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/writing.html

Integrating arguments in paragraphs

Integration of multiple sources

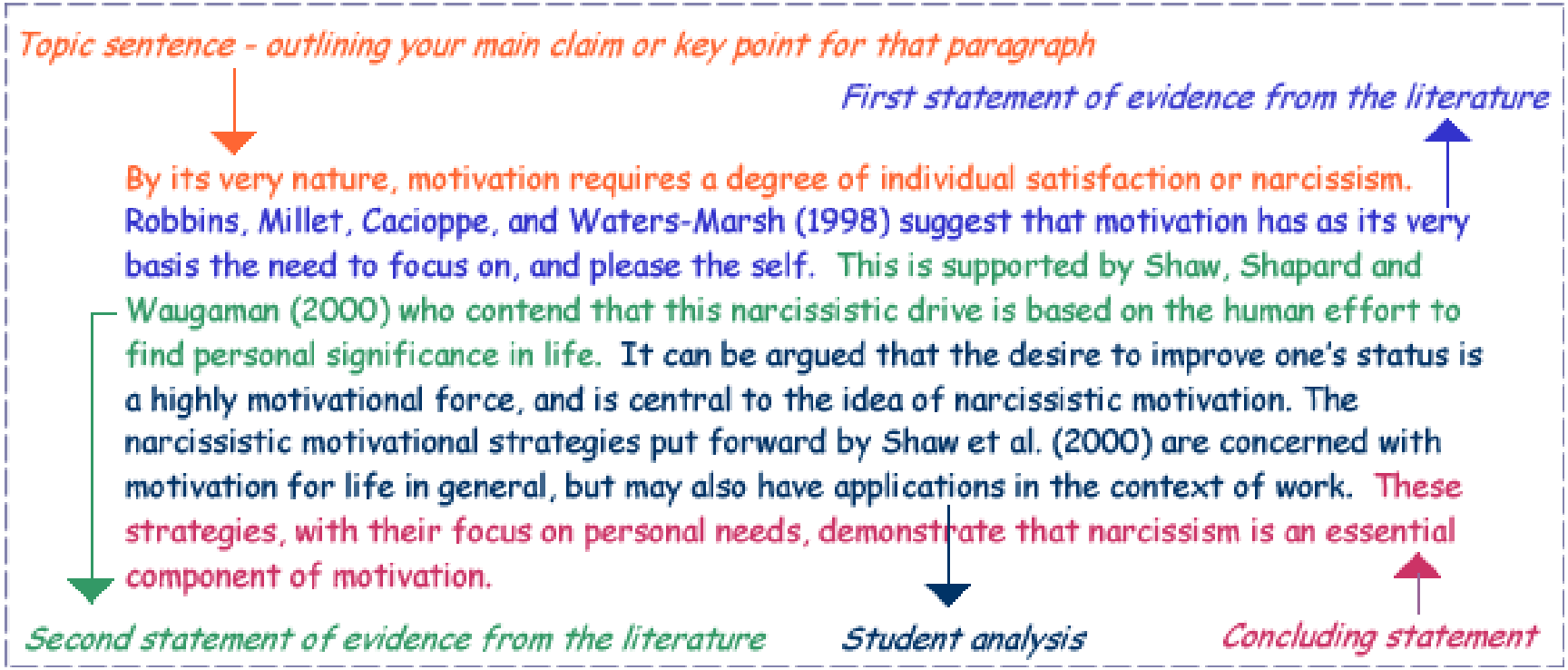
To develop an integrated argument from multiple sources, you need to link your arguments together. The model below is a guide.



Integrating arguments in paragraphs

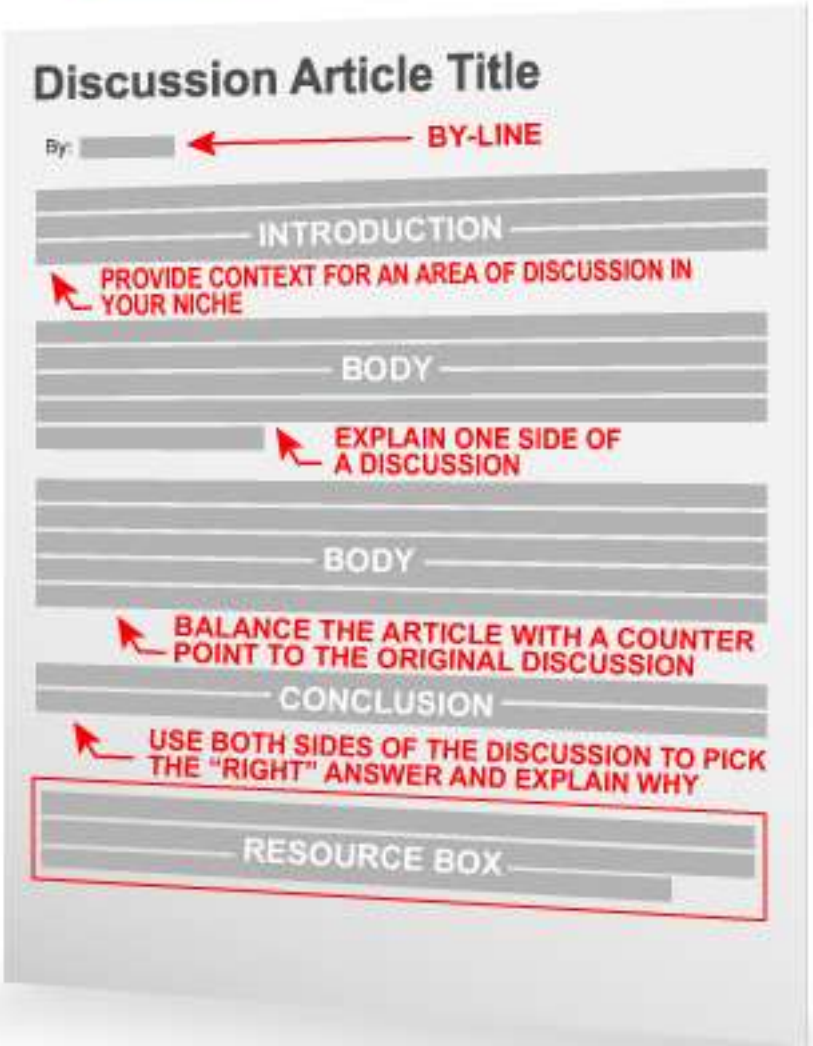
Integration of student analysis

It is important to integrate your analysis and interpretation of the literature in your literature review. Read the following paragraph and see how the arguments have been integrated into the paragraph along with student analysis. Analysis is not just student opinion, it needs to be supported by the literature.



Source: https://www.dlsweb.rmit.edu.au/lsu/content/2_AssessmentTasks/assess_tuts/lit_review_LL/integration.html

Discussion Article Template



Verbs for referencing

To incorporate quotations / references into a literature review, you can use a variety of verbs. These verbs are often used with prepositions, eg that, by, on. It is poor writing to use the same ones all the time, eg says that, states that. Verbs also allow the writer to indicate the degree to which they support the author of the research, eg claims that versus argues that. The following verbs (and prepositions) can be used to introduce references into your literature review. Please note that they can be used in different tenses.

Suggest (that)	Recent studies outlined by Leonard et al (1999) suggest that personality and disposition play an equally important role in motivation.
Argue (that)	Leonard et al (1999) argue that there are three elements of self perception.
Contend(s)	Mullens (1994) contends that motivation to work well is usually related to job satisfaction.
Outline	Recent studies outlined by Mullins (1994) suggest that personality and disposition play an equally important role in motivation.
Focus on	The early theories of Maslow and McGregor (Robbins et al, 1998) focused on personal needs and wants as the basis for motivation.
Define(s)	Eunson (1987, p. 67) defines motivation as 'what is important to you'.
Conclude(s) (that)	Reviewing the results of the case study, Taylor (1980) concludes that the theories of job enrichment and employee motivation do work.
State	He further states that there is an increasing importance on the role of autonomy and self regulation of tasks in increasing motivation.
Maintains (that)	Mullins (1994) maintains that job enrichment came from Herzber's two factor theory.
Found (that)	Mullins (1994) found that there is an increasing importance on the role of autonomy and self regulation of tasks in improving motivation.
Promote(s)	This promotes the idea that tension and stress are important external sources of motivation, which can be eliminated by completing certain tasks.
Establish(ed) (by)	As established by Csikszentmihalyi (Yair 2000, p. 2) 'the more students feel in command of their learning, the more they fulfil their learning potential'.
Asserts (that)	Locke's Goal Setting Theory asserts that setting specific goals tends to encourage work motivation (Robbins et al, 1998).
Show(s)	Various theories of motivation show employers that there are many factors that influence employees work performance.
Claim(s) (that)	Hackman and Oldham (1975) claim that people with enriched jobs, and high scores on the Job Diagnostic Survey, experienced more satisfaction and motivation.
Report(s)	Mullins (1994) reports on four content theories of motivation.
Mention(s)	Mullins (1994) mentions two common general criticisms of Herzberg's theory.
Address	Redesigning jobs so that responsibility moved from supervisors to the workers, was an attempt to address the issues of job satisfaction (Mullins, 1994).

Before submission, follow *EASE Guidelines for Authors and Translators*, freely available in many languages at www.ease.org.uk/publications/author-guidelines. Adherence should increase the chances of acceptance of submitted manuscripts.

Guidelines translations:

Arabic
Bangla
Bosnian
Chinese
Croatian
Czech
Estonian
French
Hungarian
Italian
Japanese
Korean
Persian
Polish
Portuguese-Brazilian
Romanian
Russian
Spanish
Turkish

Examples

- Example 1
- Example 2
- Example 3
- Example 4

Literature review

Search Result		Subjects																													Performance Effects					Research Methodologies																	Source information
E-collaboration	Project management	manufacturing	product	design	procurement	planning	quality control	organization	innovation	process	tool	product complexity	involvement of partners	concurrent product	team structure	project strategy	concurrent engineering	training & rewarding	simplification of structure	lead user	Supplier integration	virtual production	Time Compression Technologies	CAD technology	setting buffers	identifying critical chain	development capacity	techniques	speed	Time	cost	Quality	variety	other	Simulation	Process Model	Theory-Building	Framework	Case study(small n)	Empirical(large n)	Experiment	Math. Modeling	www-based	Review	statistical	pattern matching	prototype	pilot study	creative software	References
	✓											✓	✓																		✓			✓																	(Clift, T.B et al 1996)
	✓									✓					✓	✓						✓										✓											✓						(Griffin, A 1997)
	✓																										✓	✓		✓							✓											(Carter, 1997)
	✓				✓									✓								✓									✓									✓								(Hartley, J.et al 1997)
✓							✓		✓														✓								✓						✓												(Athalsorn et al 2001)
✓		✓	✓								✓																				✓						✓				✓							(Xie, S. Q. et al 2002)
	✓																✓										✓				✓													✓				(Kusar, J. et al. 2004)
	✓																				✓										✓	✓	✓				✓												(Petersen. et al 2005)
✓																								✓							✓	✓	✓													✓			(Tan, C.L. 2006)
✓				✓																											✓	✓									✓							(Roberts. et al 2006)
✓		✓	✓	✓							✓																				✓	✓				✓					✓							✓	(Zhou, Z. et al 2008)
	✓							✓				✓	✓																✓		✓								✓									(Bashir, H, et al 2008)
	✓				✓													✓	✓	✓									✓	✓			✓				✓											(Ahlemann, F. 2009)
✓				✓																										✓	✓														✓		(Selvaraj,P.et al 2009)
	✓					✓										✓									✓	✓			✓	✓				✓					✓									(Xia-Bao. et al 2009)
	✓			✓																									✓	✓	✓									✓							(Lifang W. et al 2009)
✓				✓																				✓					✓	✓							✓											(Vinodh, et al 2009)
	✓					✓																							✓	✓							✓											(Hebert et al 2010)
	✓	✓	✓	✓																									✓		✓									✓							(Roemer, T. et al 2010)

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Appendix B: Data Tables

Source Information			Search Results		Analysis Results																		
					Subjects				Performance Effects					Research Methodologies									
No	Author(s)	Year	Modularity	Commonality	Product	Process	Organization	Innovation	Quality	Variety	Cost	Time	Other	Theory-Building	Framework	Process Model	Math. Modeling	Simulation	Experiment	Empirical (large n)	Case Study (small n)	Review	Notes: Product / Industry / Application
1	Akcay and Xu	2004		1	1						1						1						Non-product specific assemble-to-order systems
2	Alfaro and Corbett	2003		1	1						1						1				1		Chemical films for the automotive industry
3	Anderson and Parker	2002	1		1						1		1				1						Automobiles as examples
4	Baker et al.	1986		1	1						1						1						Non-product-specific inventory model
5	Balakrishnan and Brown	1996		1	1	1					1						1				1		Aluminum tube manufacturing
6	Balakrishnan et al.	1996		1	1						1						1						Non-product-specific assemble-to-forecast systems
7	Baldwin and Clark	1997	1		1	1				1	1				1								Examples from computer and auto industries
8	Baldwin and Clark	2000	1		1		1	1					1	1			1				1		Computer
9	Bartezzaghi and Verganti	1995		1	1	1							1				1						Telecommunication equipment
10	Bi and Zhang	2001	1		1	1				1	1	1			1							1	Several conceptual products as descriptions
11	Blackburn et al.	1996	1		1				1		1	1			1								Software
12	Browning	2001	1		1	1	1				1	1	1		1							1	Automobile climate control
13	Cetin and Saitou	2004	1	1	1				1	1	1					1	1				1		Bicycle frame example
14	Cetin and Saitou	2004	1		1				1	1	1					1	1				1		Automotive space frame
15	Cetin and Saitou	2005	1		1				1	1	1					1	1				1		Automotive space frame
16	Cheung	2002		1	1						1						1						Non-product-specific inventory model
17	Cheung and Hausman	1995		1	1						1						1						Aircraft engine repair
18	Choobineh and Mohebbi	2004		1	1						1	1	1					1					Non-product-specific inventory (kit preparation) model
19	Collier	1982		1	1						1						1						Non-product-specific inventory model
20	Desai et al.	2001		1	1				1	1	1						1						Model balancing cost savings and revenue decrease; examples from the auto industry
21	Deshpande et al.	2003		1	1						1						1						Non-product-specific inventory model
22	Djelic and Ainamo	1999	1				1						1								1		Luxury fashion industry
23	Dong and Chen	2005		1	1						1				1			1					Non-product-specific supply chain model
24	Du et al.	2001	1	1	1					1	1			1		1					1		Power supplies
25	Duray	2004	1		1								1							1			Manufactured products
26	Duray et al.	2000	1		1								1							1			Manufactured products
27	Ethiraj and Levinthal	2004	1		1		1						1					1					Non-product-specific simulation study
28	Ethiraj and Levinthal	2004	1		1	1			1									1					Microchip
29	Evans	1963	1		1					1	1						1						Screw assortment for creating kits
30	Eynan and Fouque	2003		1	1						1						1						Non-product-specific demand reshape model
31	Eynan and Rosenblatt	1996		1	1						1						1						Non-product-specific Inventory Model
32	Farrell and Simpson	2003		1	1						1	1				1							Yokes used to mount valve actuators
33	Fellini et al.	2005		1	1				1		1						1						Automotive body side frame
34	Ferrer and Whybark	2001		1	1						1		1				1				1		Automobile component remanufacturing
35	Fine et al.	2005	1		1	1	1				1	1					1						High-level example from the auto industry
36	Fisher et al.	1999		1	1					1	1						1			1			Automotive Brakes
37	Fixson	2005	1	1	1								1		1						1		Automotive Doors
38	Fleming and Sorenson	2001	1					1	1						1								Walkman as illustration
39	Fleming and Sorenson	2001	1					1	1											1			Patents
40	Fujita and Yoshida	2004		1	1				1		1						1	1					Family of aircrafts
41	Galvin	1999	1		1			1		1			1		1						1		Bicycles
42	Garud and Kumaraswamy	1995	1		1		1				1	1		1	1								Microcomputers, automobiles as examples

FIXSON, S. 2007. Modularity and commonality research: past developments and future opportunities. Concurrent Engineering, 15, 85.

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Thank you!

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