Research Methodology

Step 1:Find a Topic

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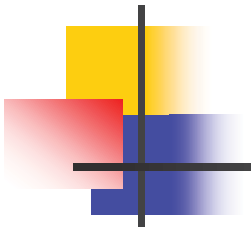


Outlines:

Determine a topic

- How can find an area
- Common structure of resources (paper or thesis)
- Where can find related resources (papers, articles)
- How to summaries a reference
- list of key words
- How can find the best topic(s)

Select a research area…

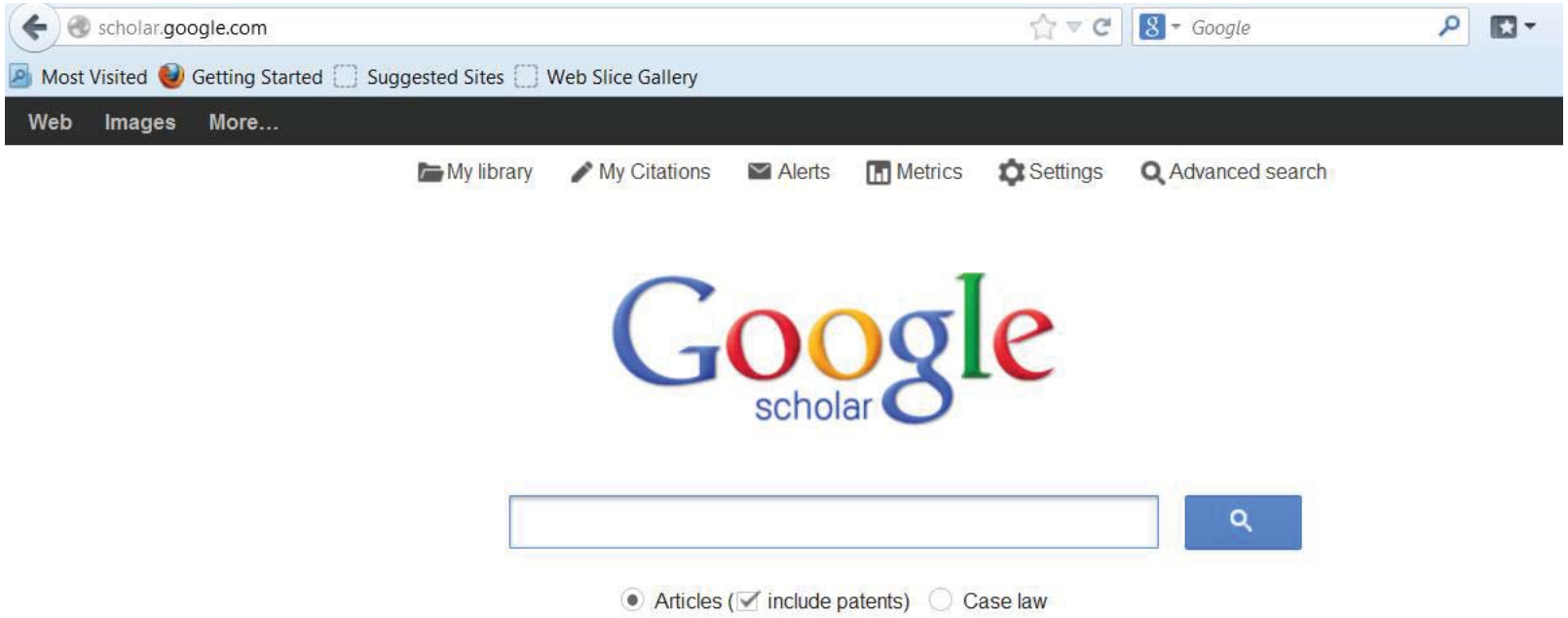
Choose a topic that interests you:

- Do you have a strong opinion on a current social or political controversy?
- Did you read a newspaper, or see a TV broadcast recently that you liked it?
- Do you have a personal issue, problem, or interest you'd like to know more about?
- Do you have a research paper due in a class this semester?
- Is there an aspect of one of your courses you are interested in learning more about?
- Do you like your lecturer?
- …

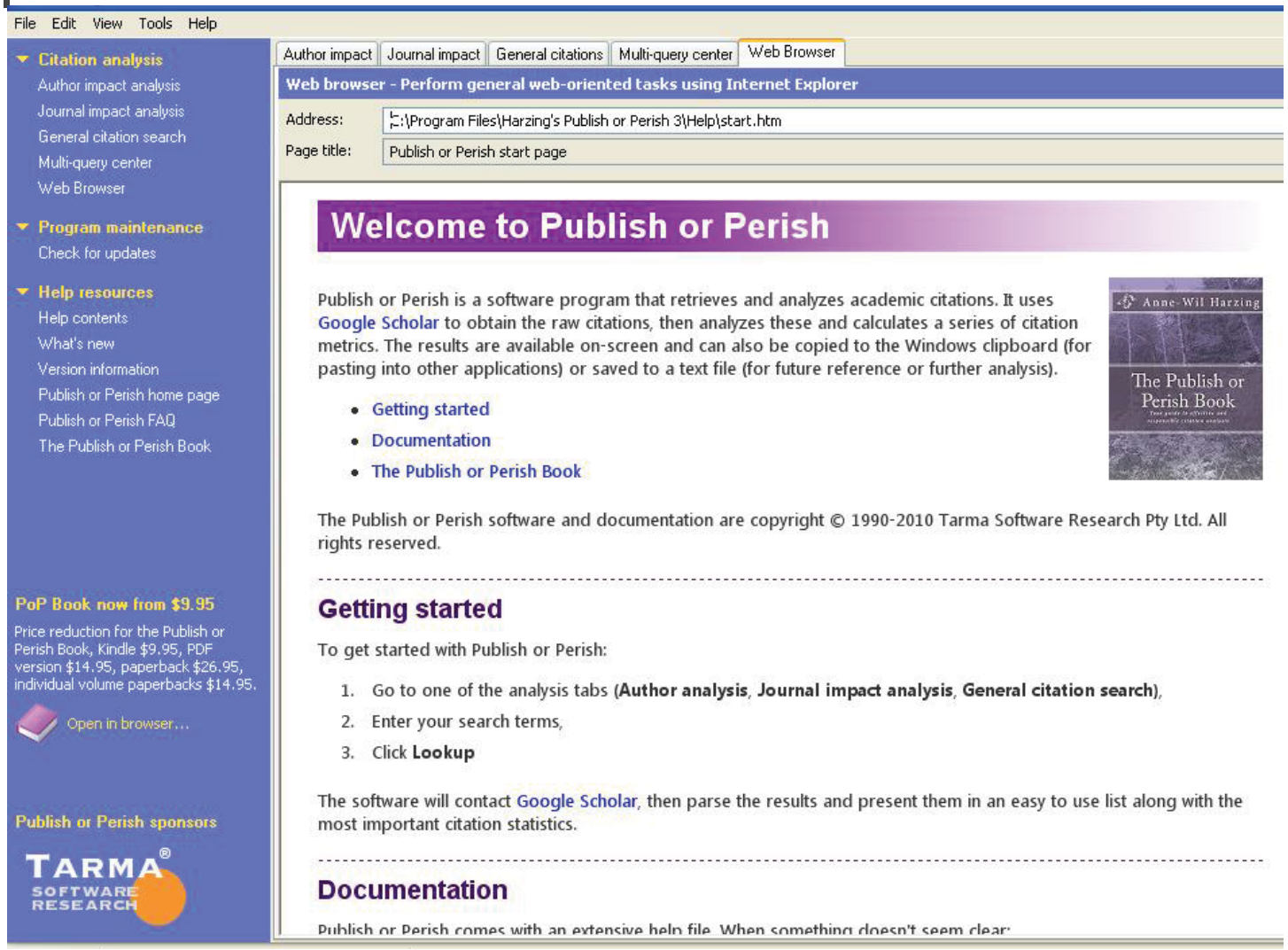
Common structure of resources…

- Title (1000 readers)
- Abstract (4-5 sentences, 100 readers)
- Keywords (5-6 words or phrases, 100 readers)
- Introduction (1-1.5 page, 100 readers)
- Related work (1-2 pages, 10 readers)
- The problem (1 page, 10 readers)
- Proposed idea (2 pages, 10 readers)
- Details (2-3 pages, 3 readers)
- Conclusions and further work (5-6 sentences-100 readers)
- Acknowledgement
- References

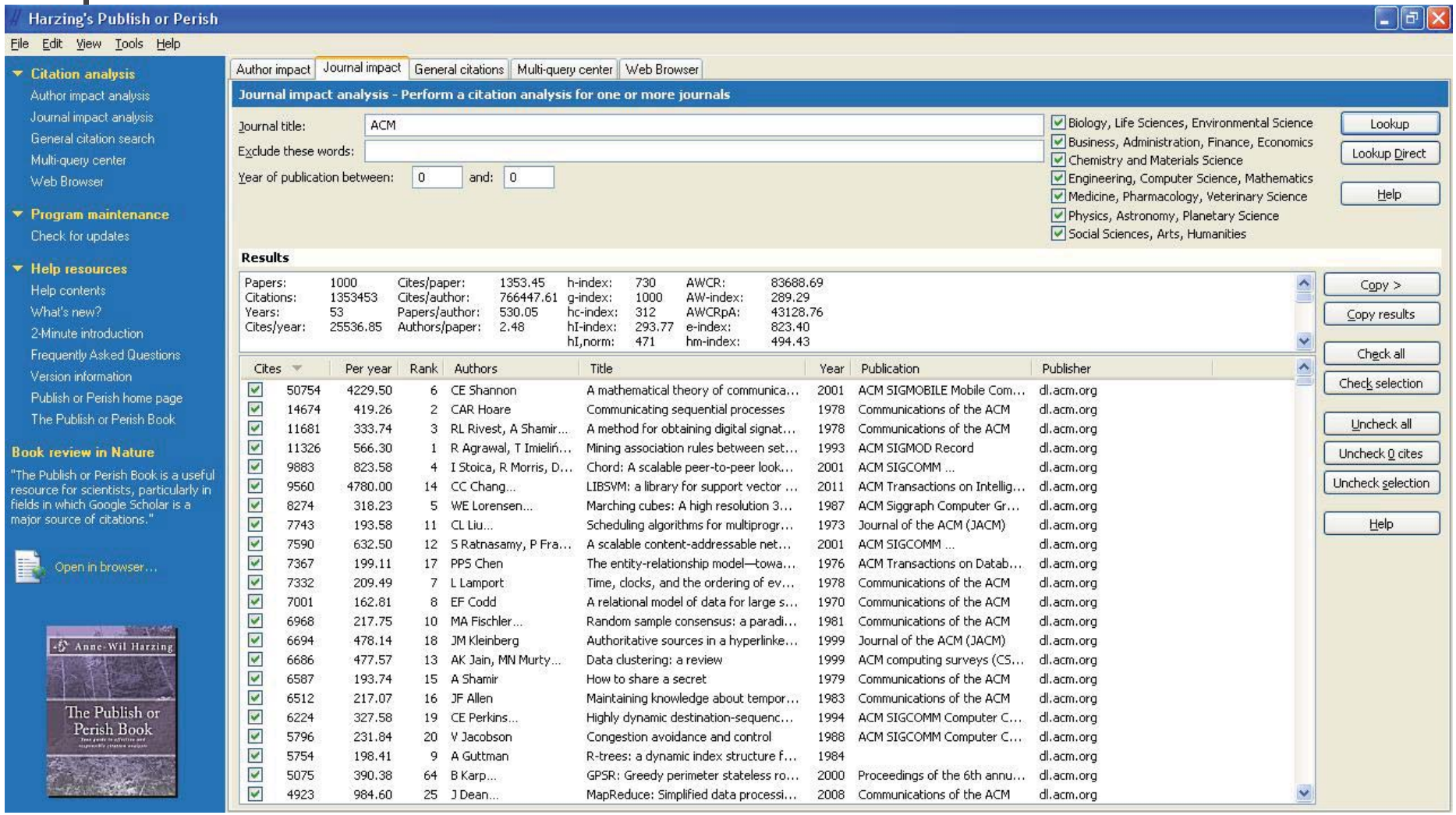
Google Scholar: website



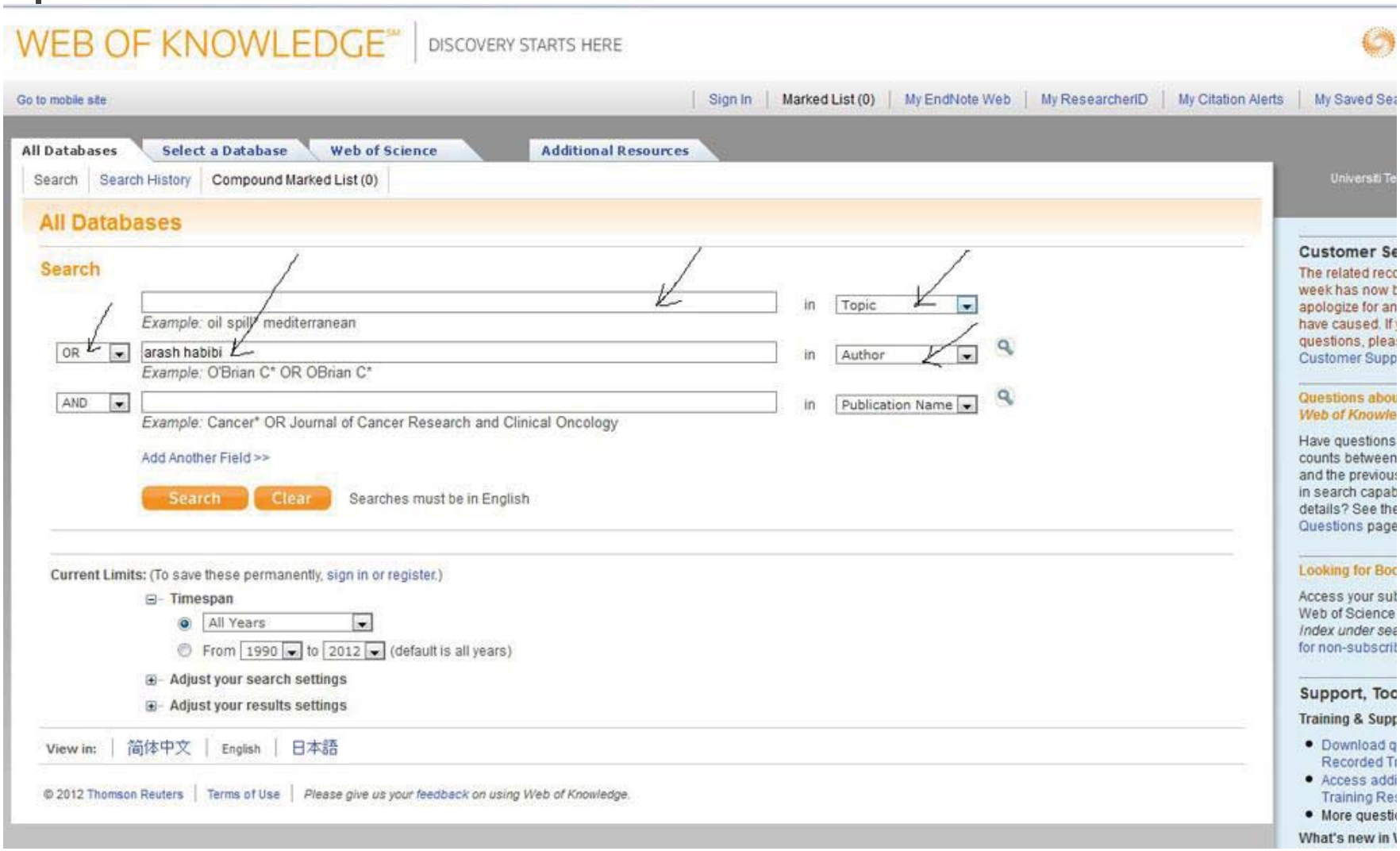
Publish or Perish: effective and responsible citation analysis



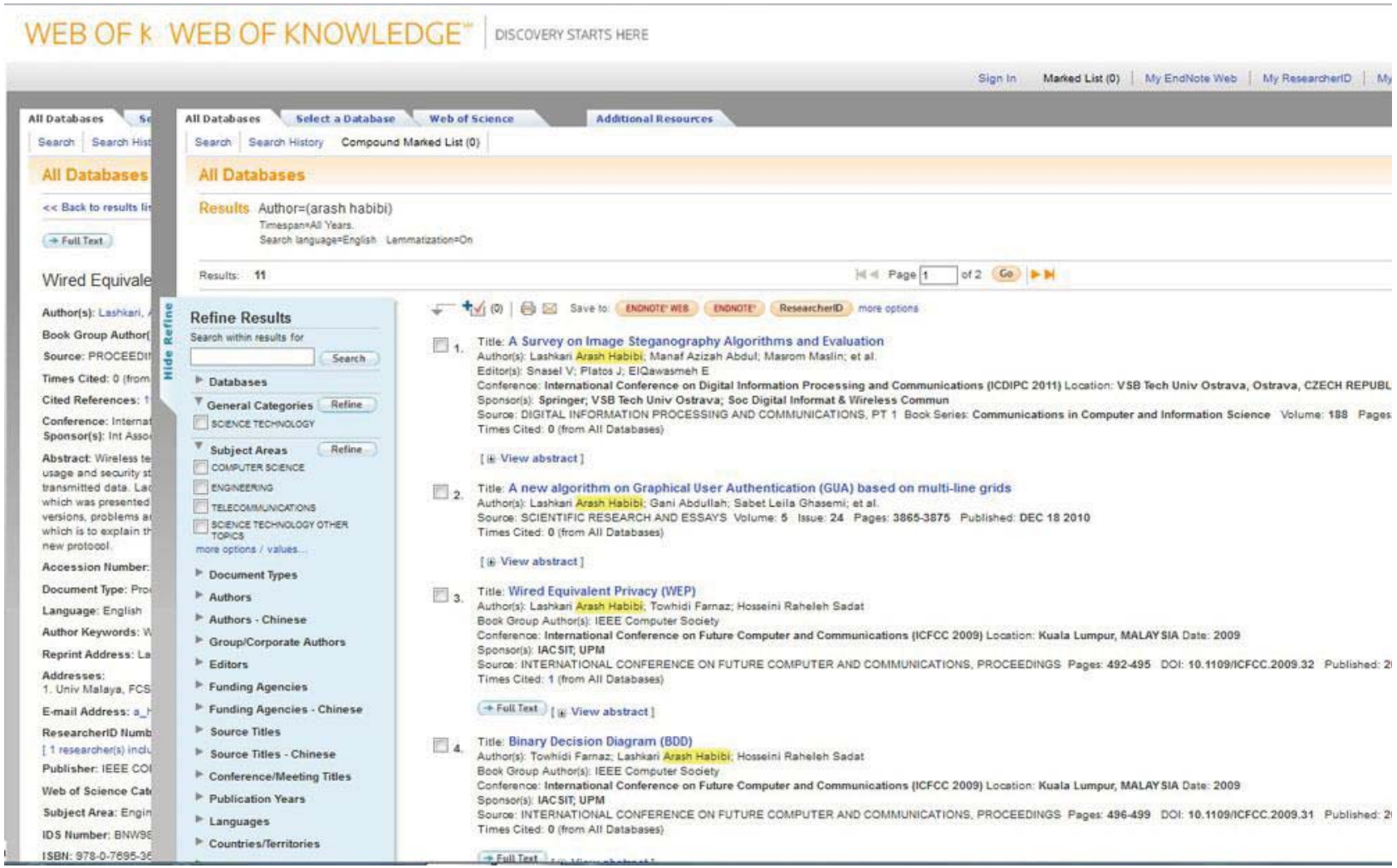
Publish or Perish: Search journal's name …



Web of Knowledge: search keywords…



Find your search result…



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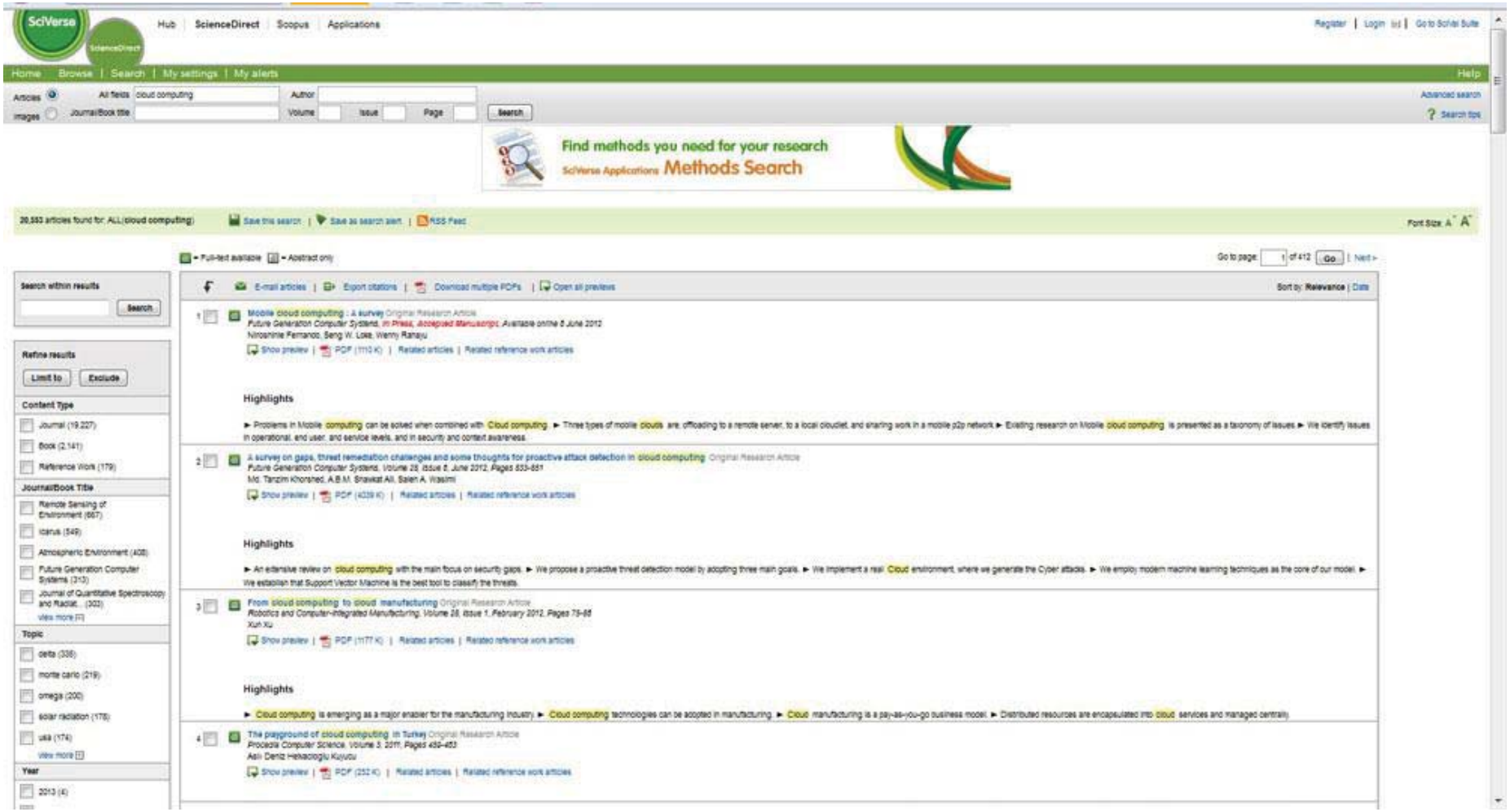
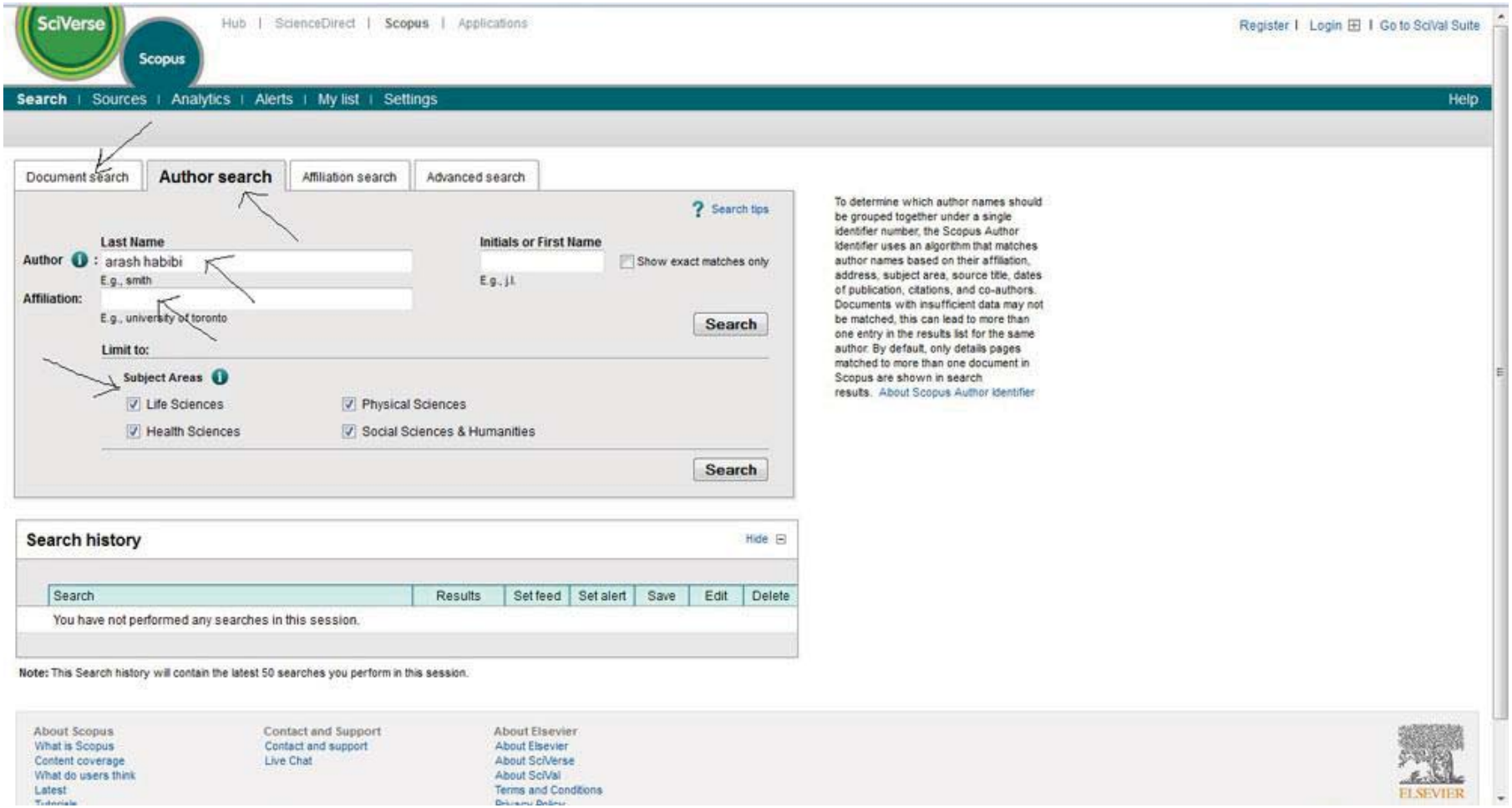
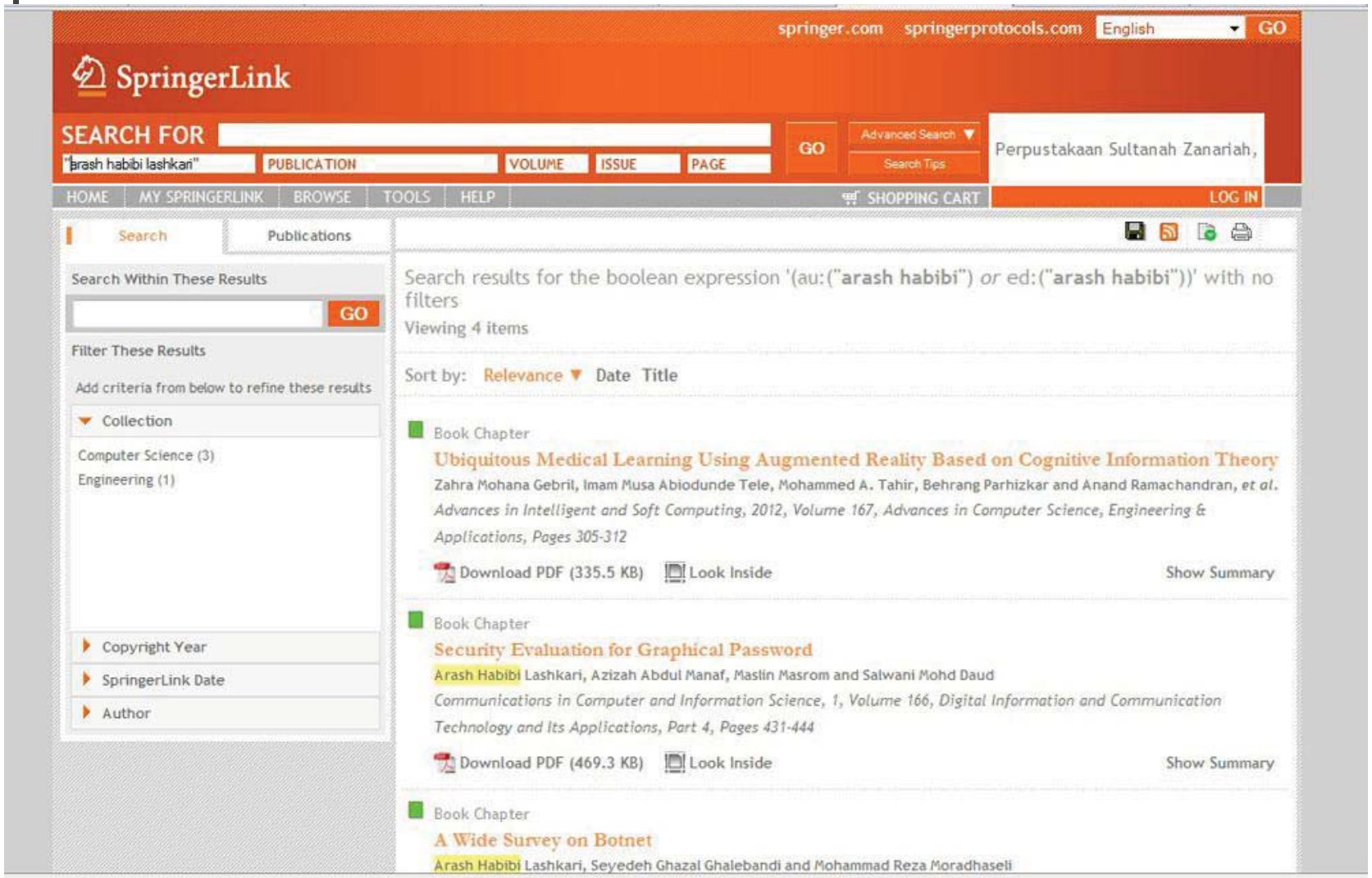
Science Direct: search keywords…



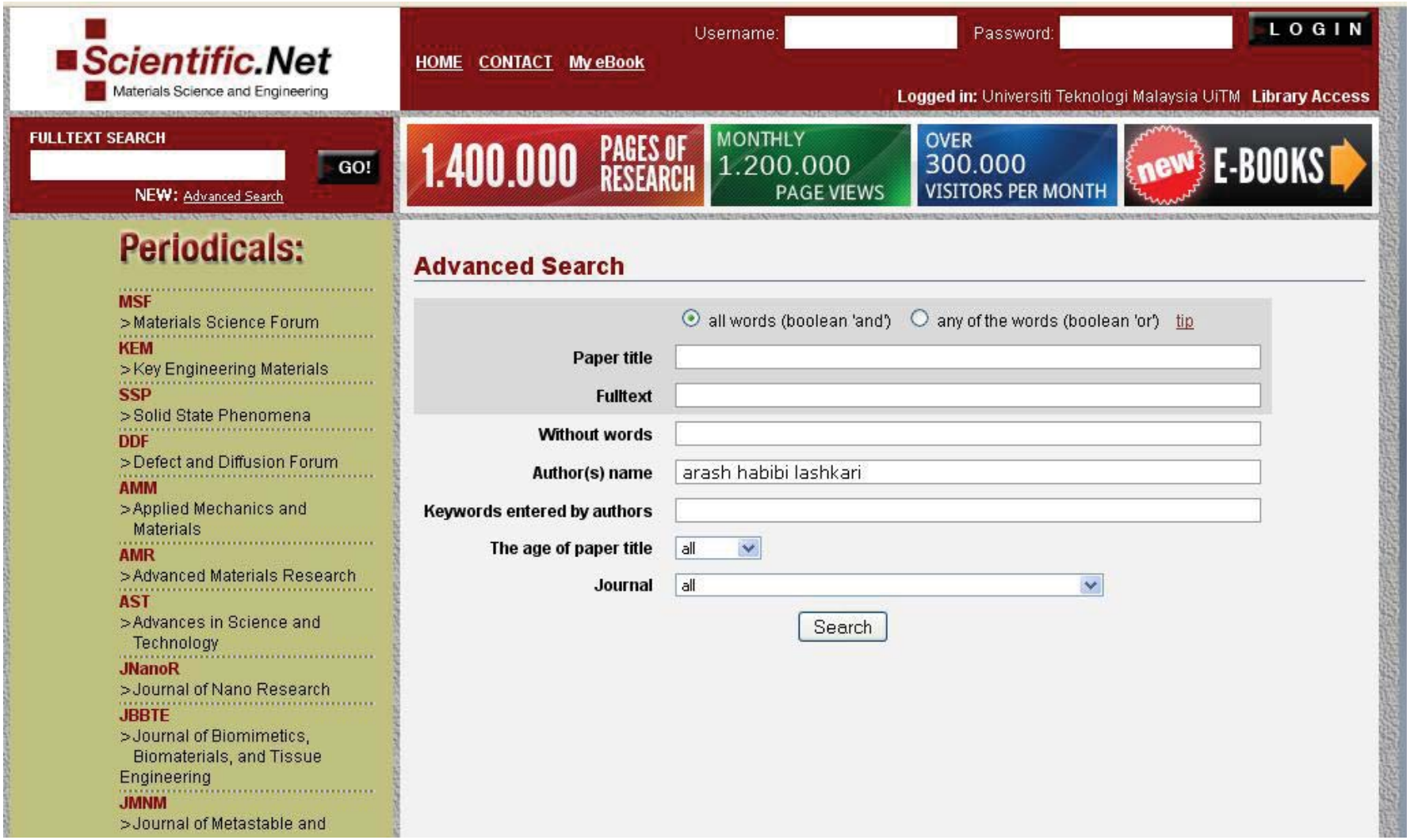
Scopus: Search keywords…



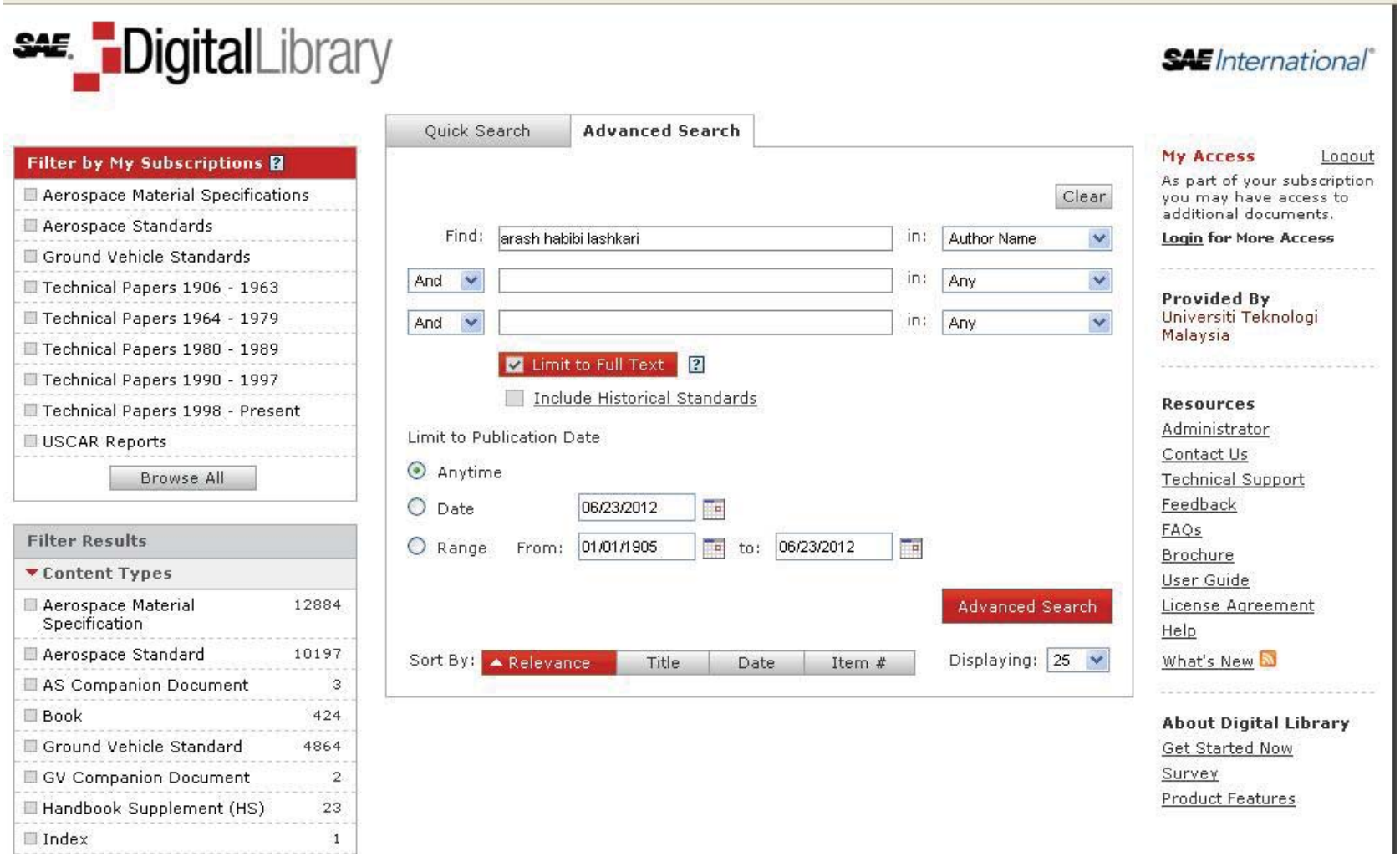
Springer Link: search Keywords…



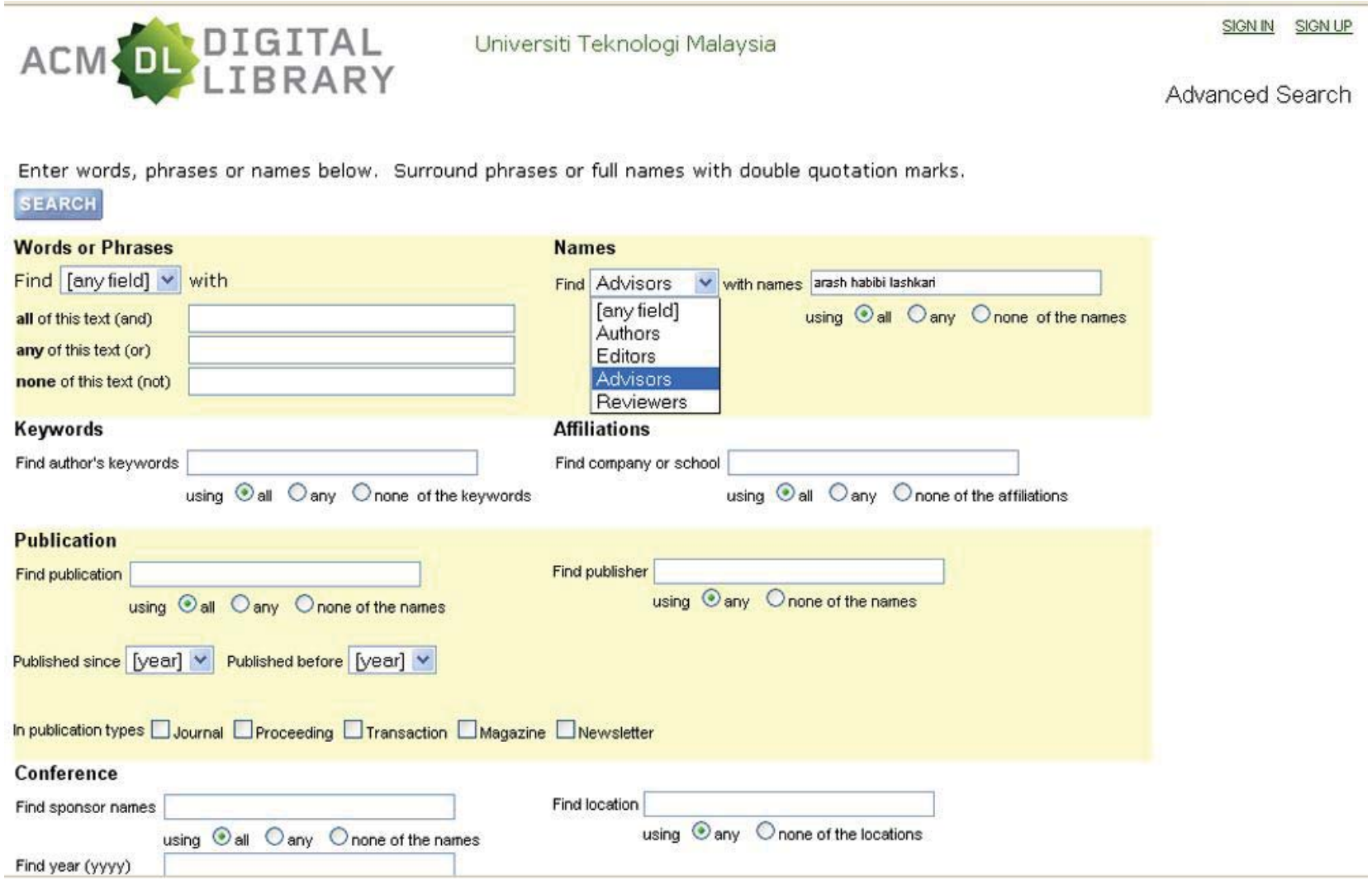
Scientific.net: Search Keywords…



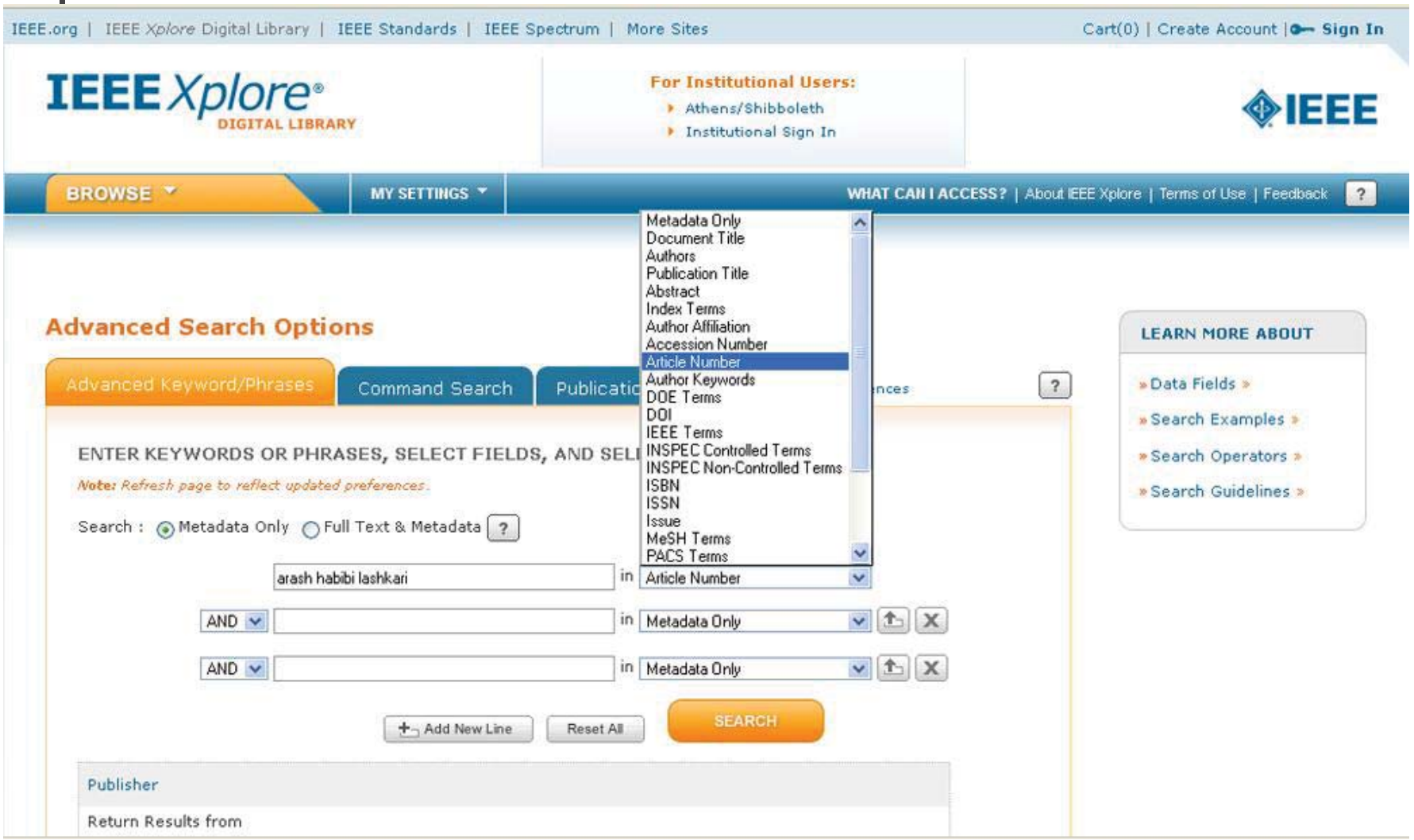
Digital Library: Search Keywords…



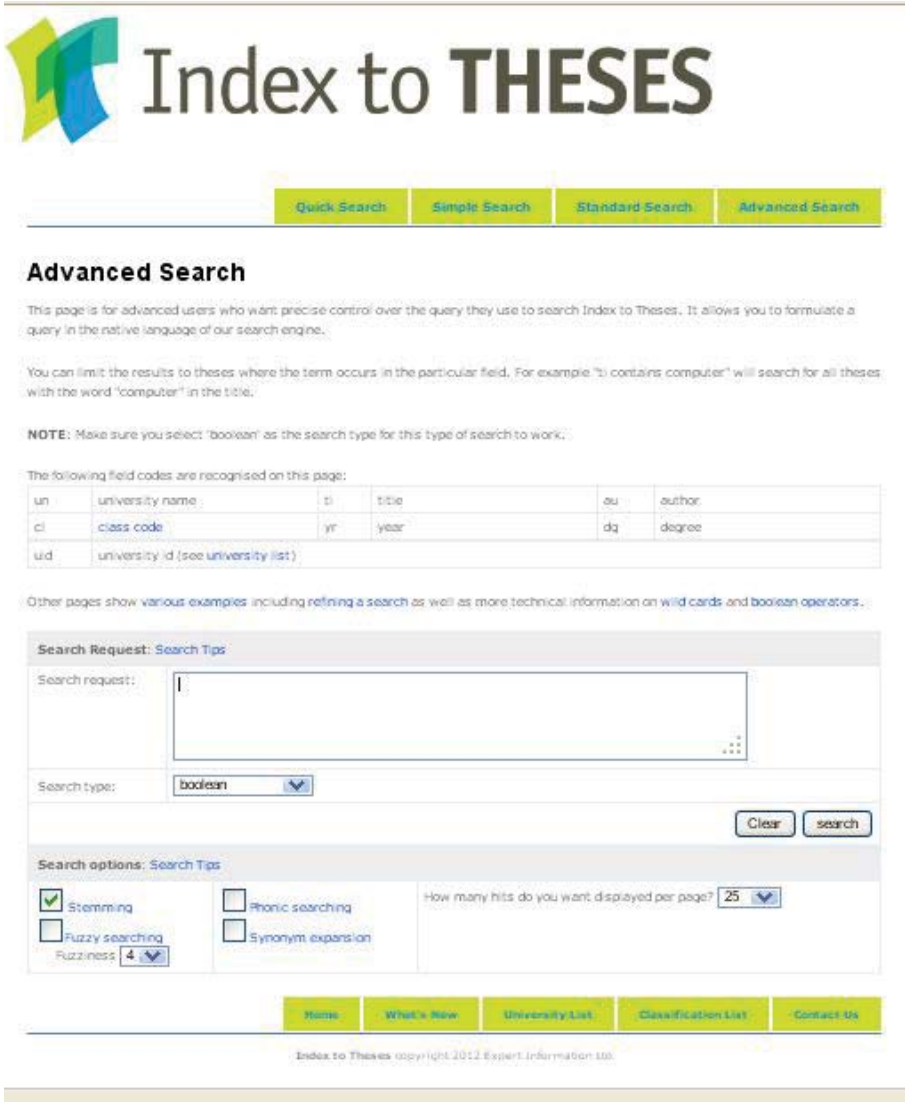
ACM: Search Keywords…



IEEE: Search Keywords…



Index to Thesis: Search Keywords…



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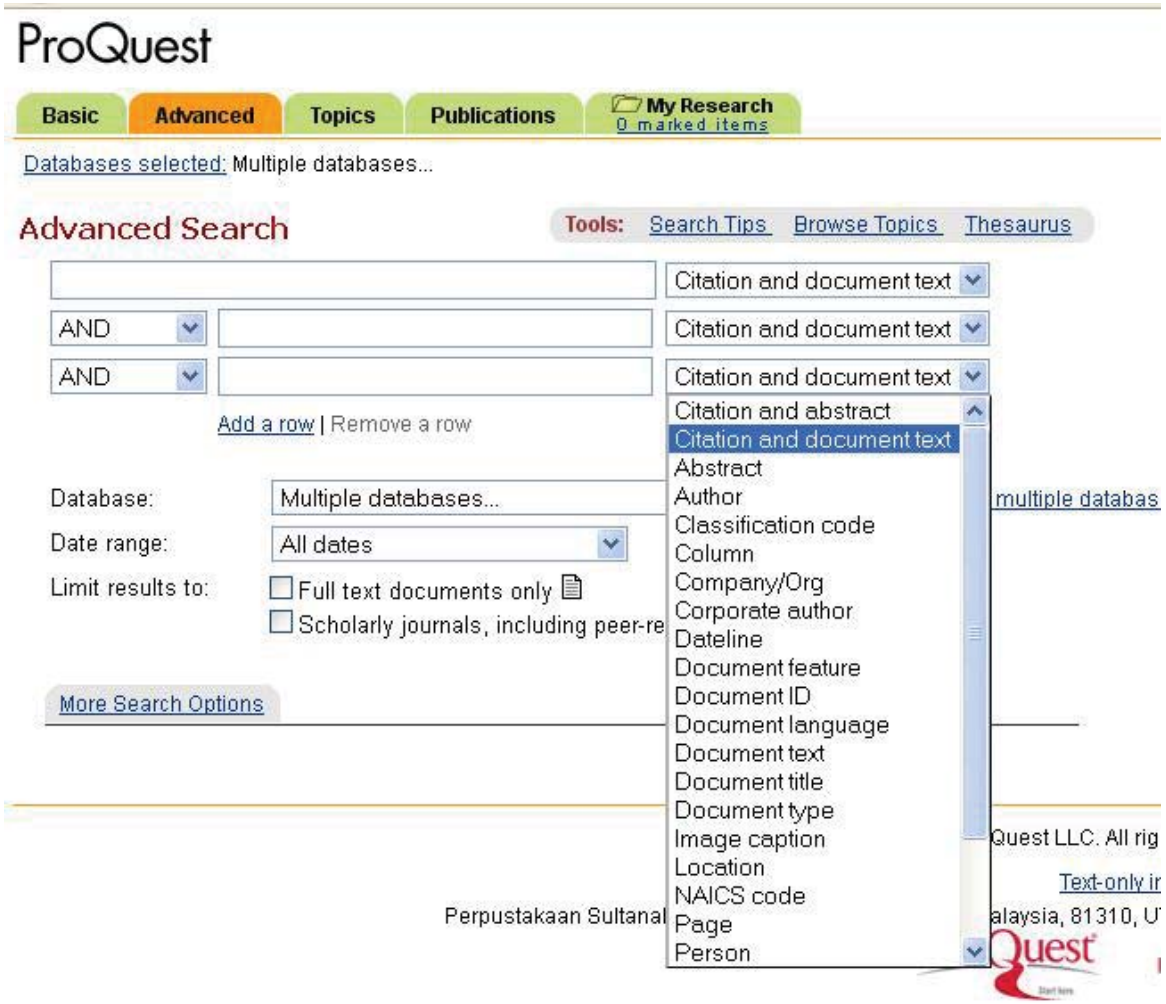
ProQuest: Search Keywords…



How to summaries a reference

Date:

Authors:

Problem:

Key words:

Methodology:

Solution / Idea:

Analysis:

Finding:

Future Works:

No.	Date	Auth.	Prob.	Key.	Meth.	So.	Ana.	Fin.	F.W.
Ref 1									
Ref 2									

List of Keywords and Authors

Repeating your search

in related resources based on

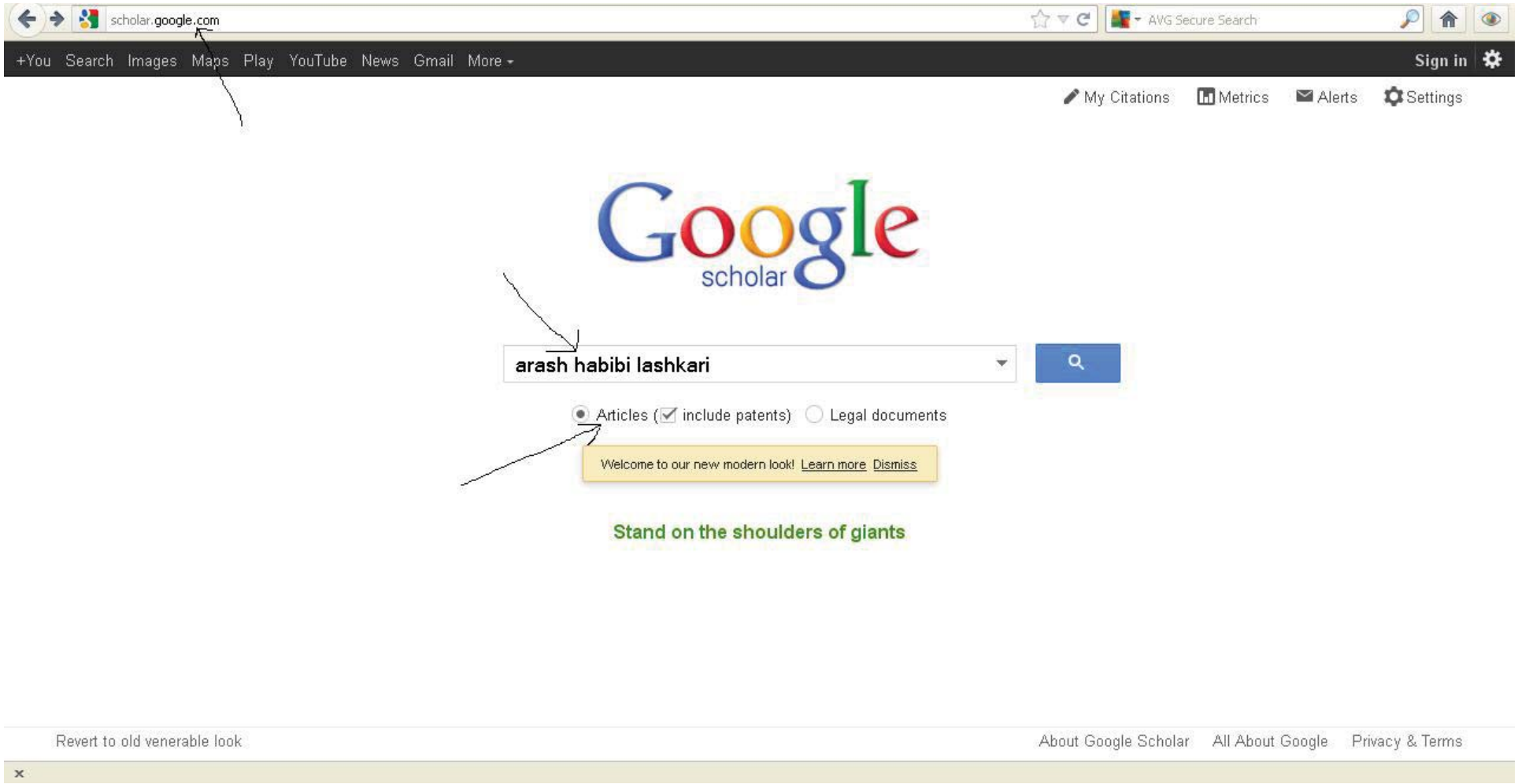
Keywords and **Authors**

No.	Date	Auth.	Prob.	Key.	Meth.	So.	Ana.	Fin.	F.W.
Ref 1									
Ref 2									

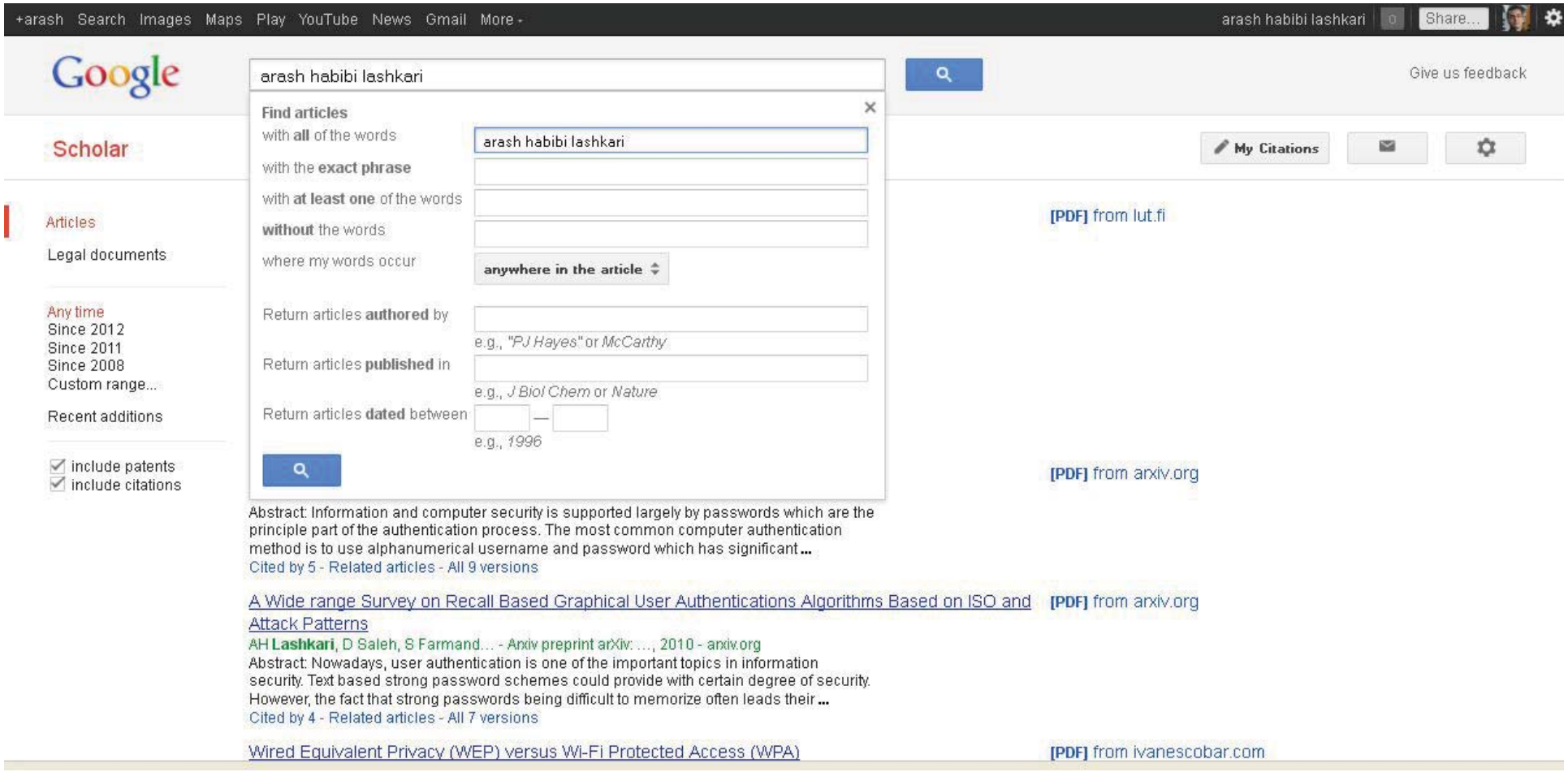
Repeat your search in related references…

- Google Scholar
- Publish or perish
- Web of Knowledge
- Science Direct
- Scopus
- Springer Link
- Scientific.net
- Digital Library
- ACM
- IEEE
- Index to Thesis
- ProQuest
- …

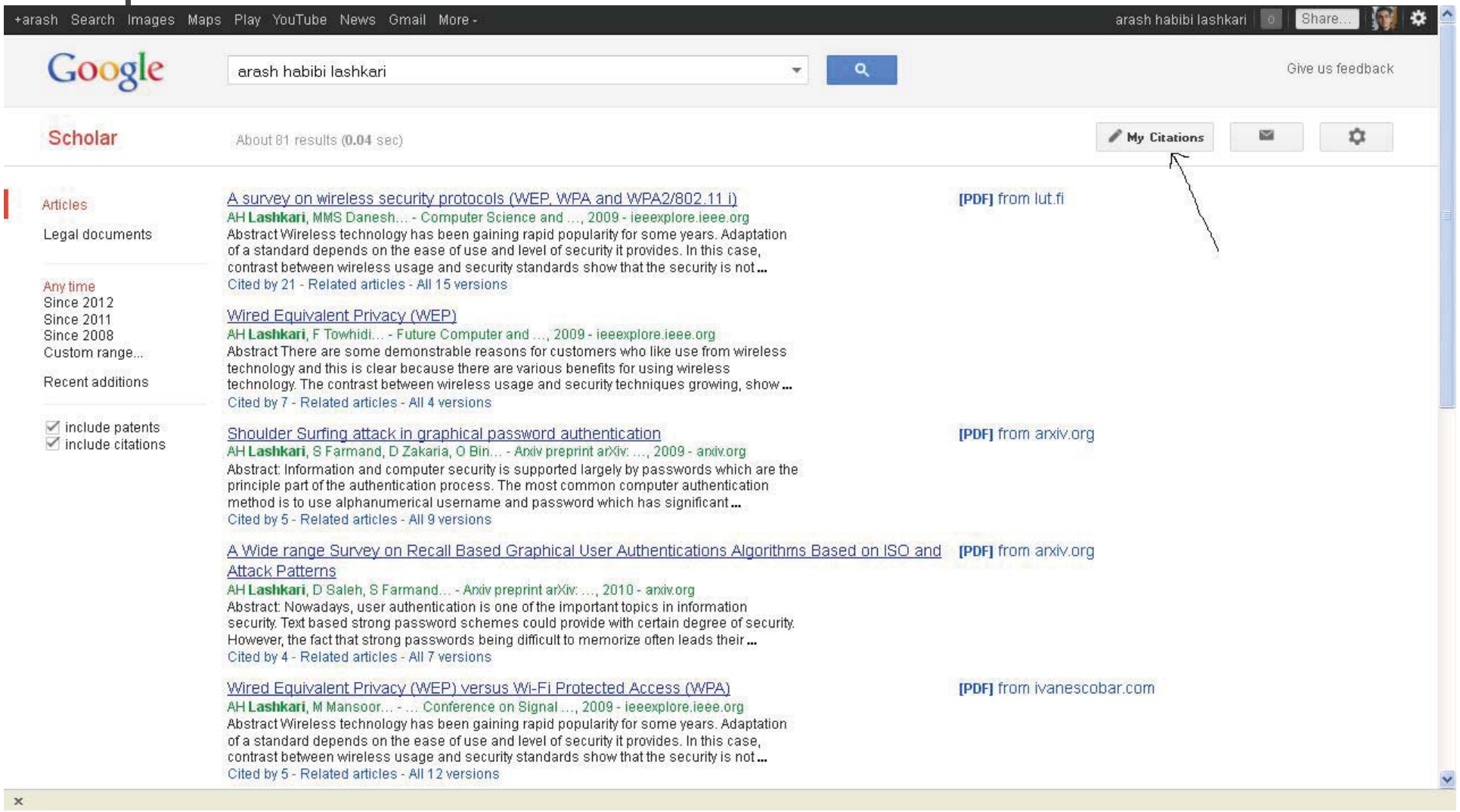
Google Scholar: website



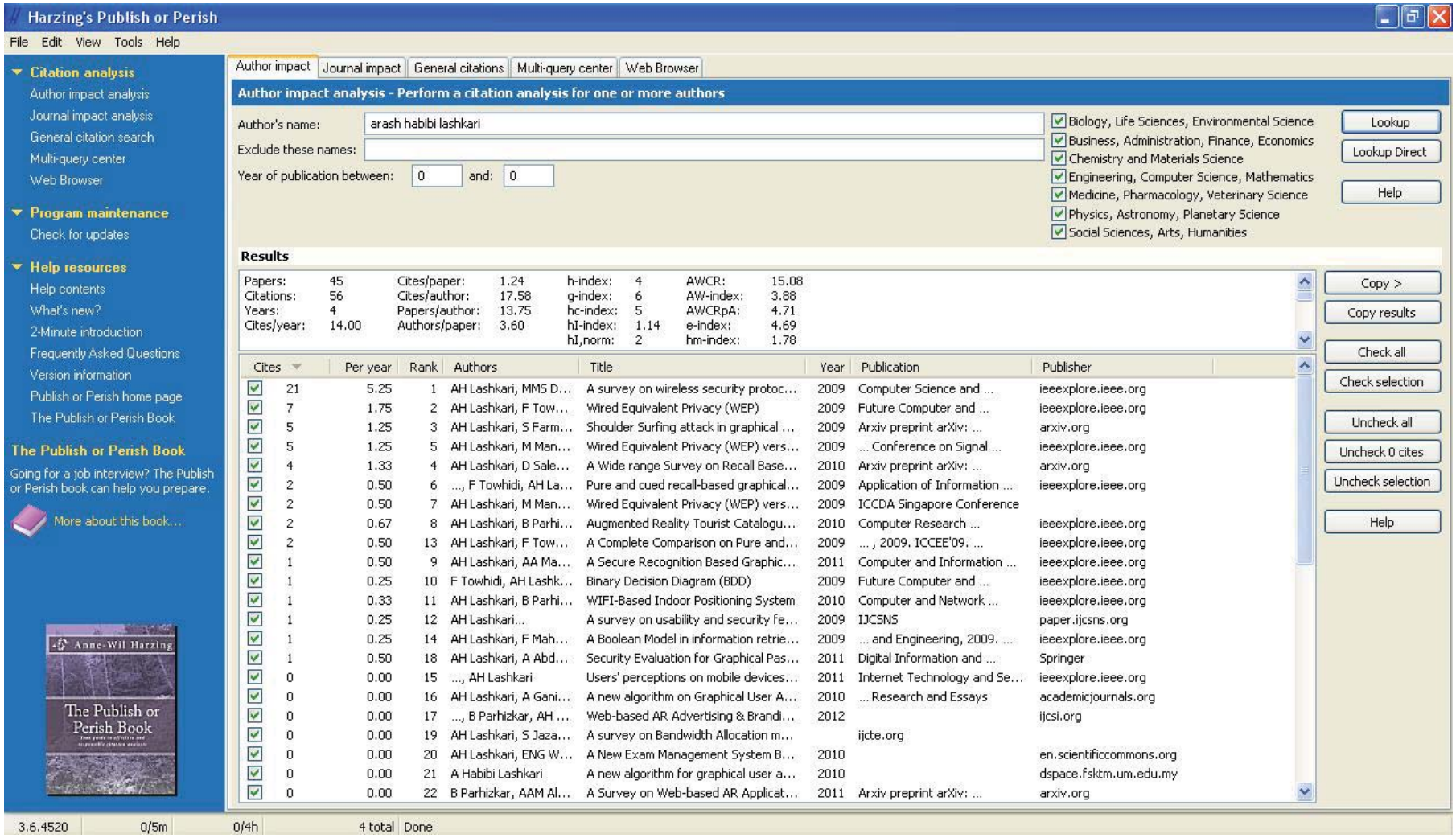
Google Scholar: Advanced search Options….



Google Scholar: Search result…



Publish or Perish: Search Author's name …



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Find the best topic(s)…

Experts and Professionals?

No.	Date	Auth.	Prob.	Key.	Meth.	So.	Ana.	Fin.	F.W.
Ref 1	2013								FW1
Ref 2	2013		FW2						FW1
Ref 3	2012		FW4						FW2
Ref 4	2010								FW3
Ref 5	2010								FW4
Ref 6	2009								FW3

Methodology:

Last Updated, Most Repeated Future Works

Next Session

Step 2: Understand the difference between primary and secondary research

"There is no way to get experience except through experience."