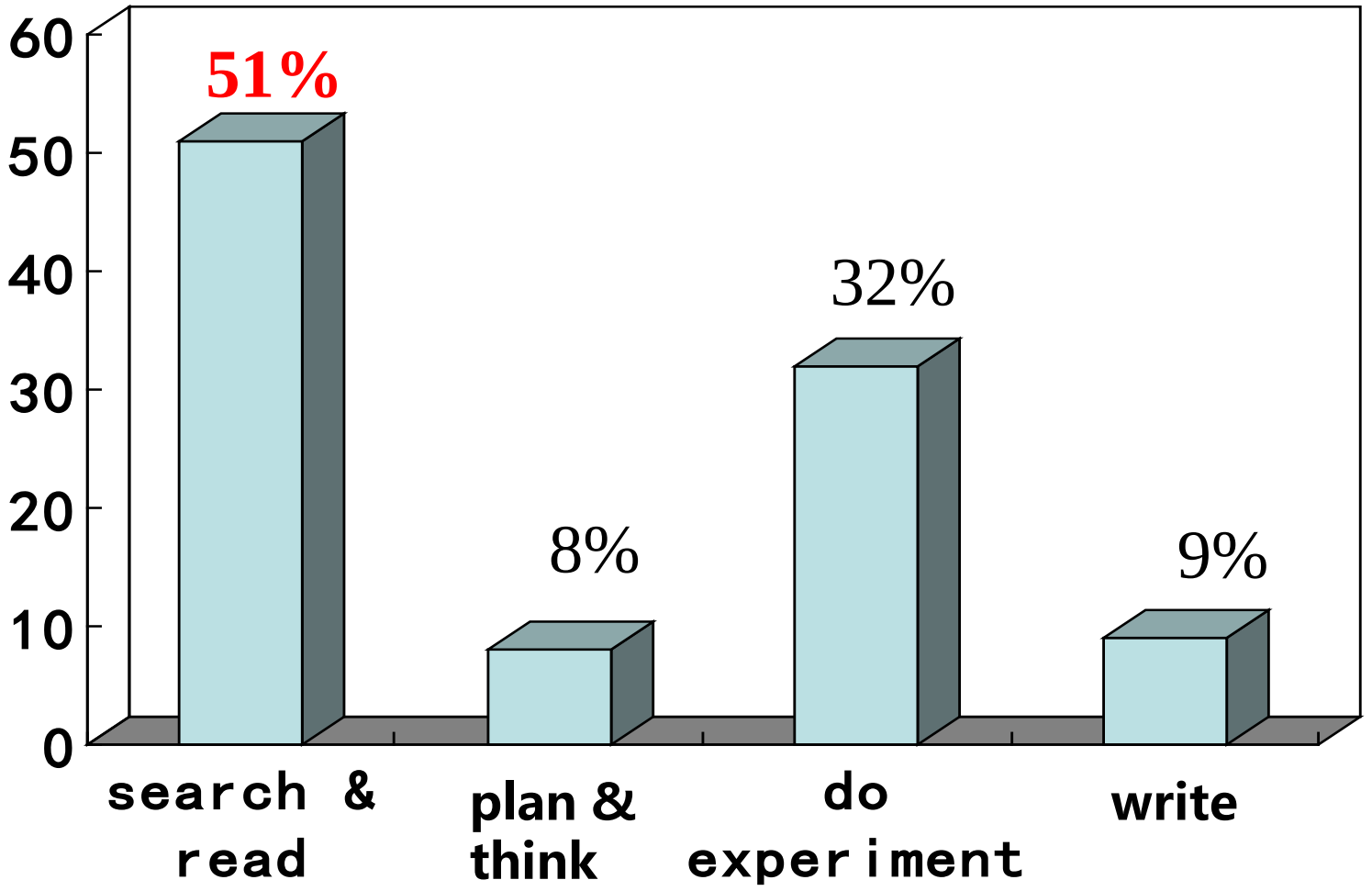
上海交通大學
SHANGHAI JIAO TONG UNIVERSITY

Literature Search Strategies for Engineering Majors

Qinling Huang（黄琴玲）
qlhuang@lib.sjtu.edu.cn
Nov. 27, 2017

Time allocation of researchers



Content

Google Scholar	• Search tips • Settings
Library resource introduction	• Library search tools • Databases • Off-campus access
A literature search case	• Web of Science

Survey


If you write an article, where will you find the reference information?

Literature search methods

Search engines (everything)

- Google
- Baidu(百度)

Search engines (scholarly)

- Google Scholar
- 百度学术（Baidu Scholar）

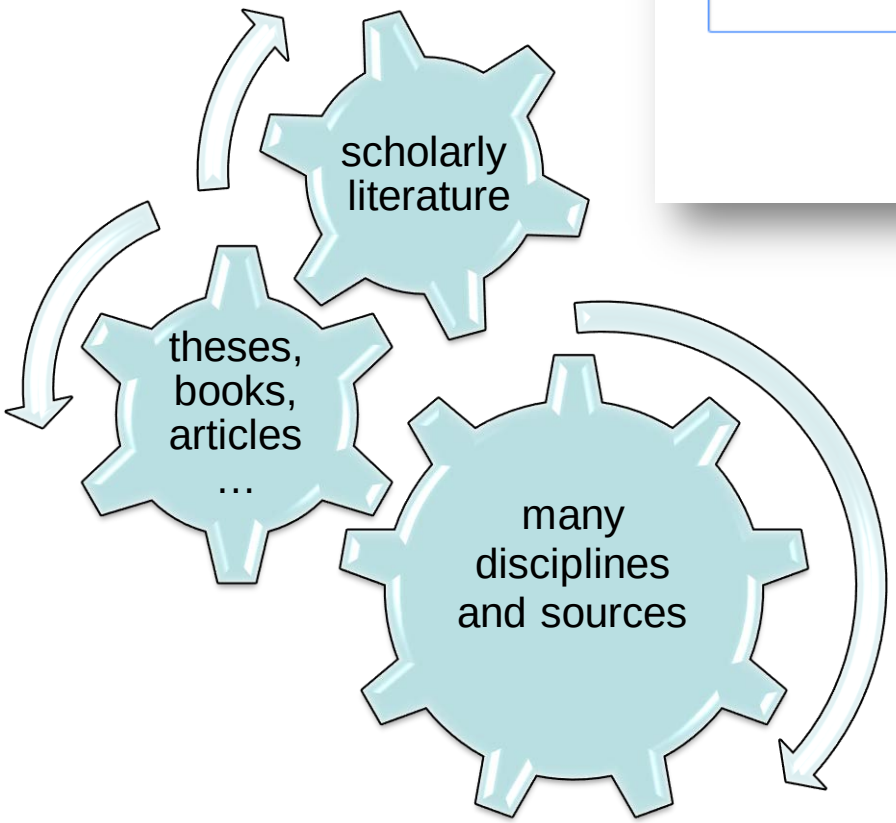
Library resources (academic)

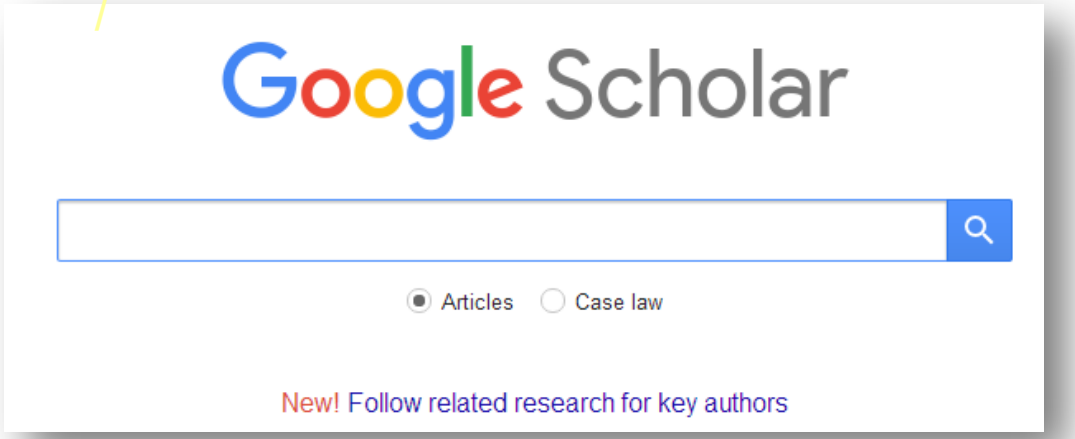
- Printed
- Electronic

Google Scholar

Google Scholar

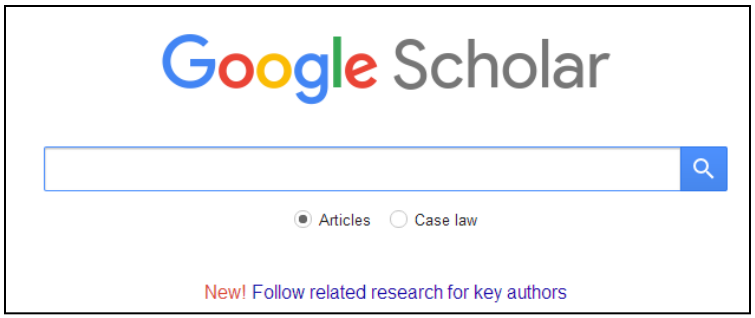
http://scholar.google.com.cn





Google Scholar—— Quick search

Quick Search



- **Logical operators**
  - and

    E.g.: “absorptive refrigeration” and “functionally graded materials”
  - -

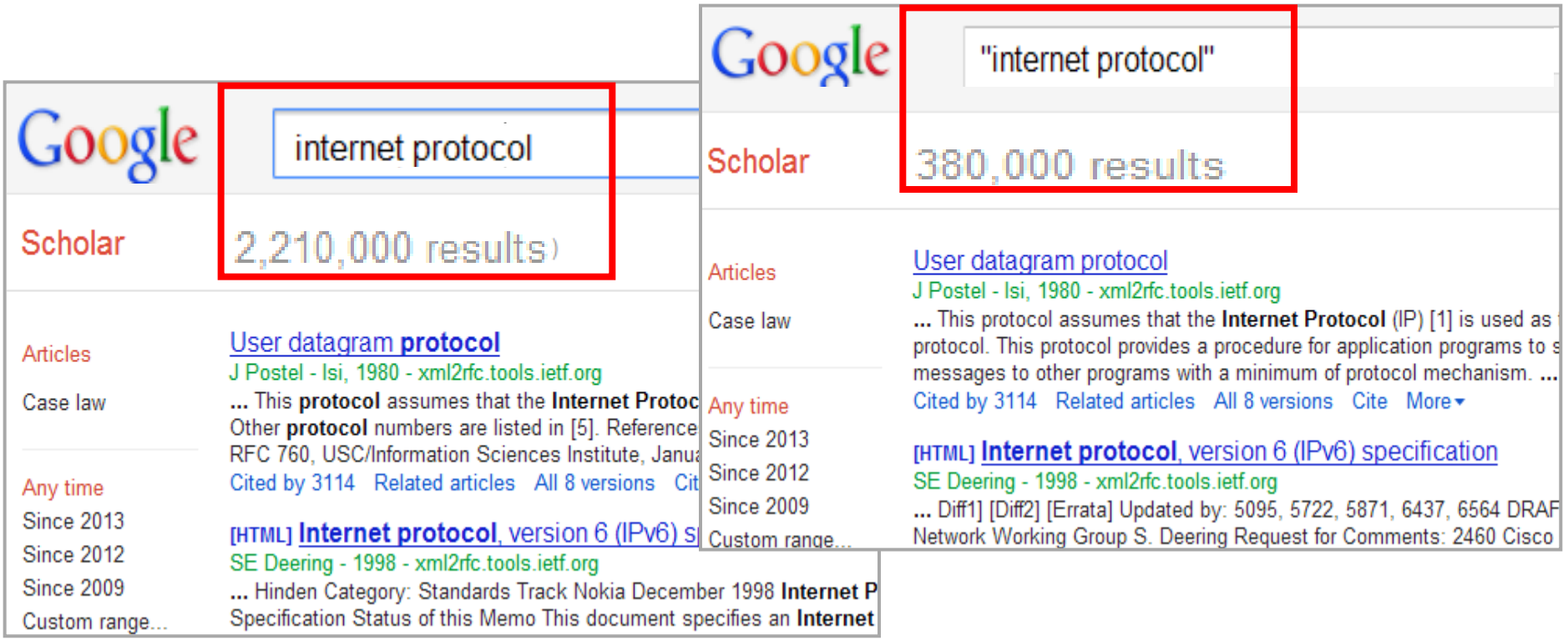
    E.g.: IP -Intellectual -property

    …

Make the search results more relevant

Search tip: add “”

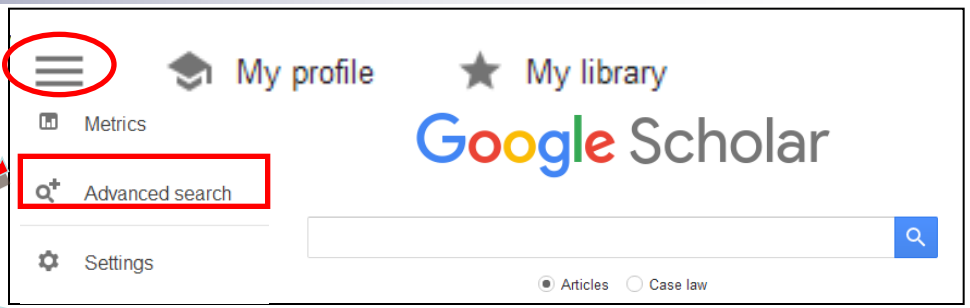
- internet protocol V.S. “internet protocol”

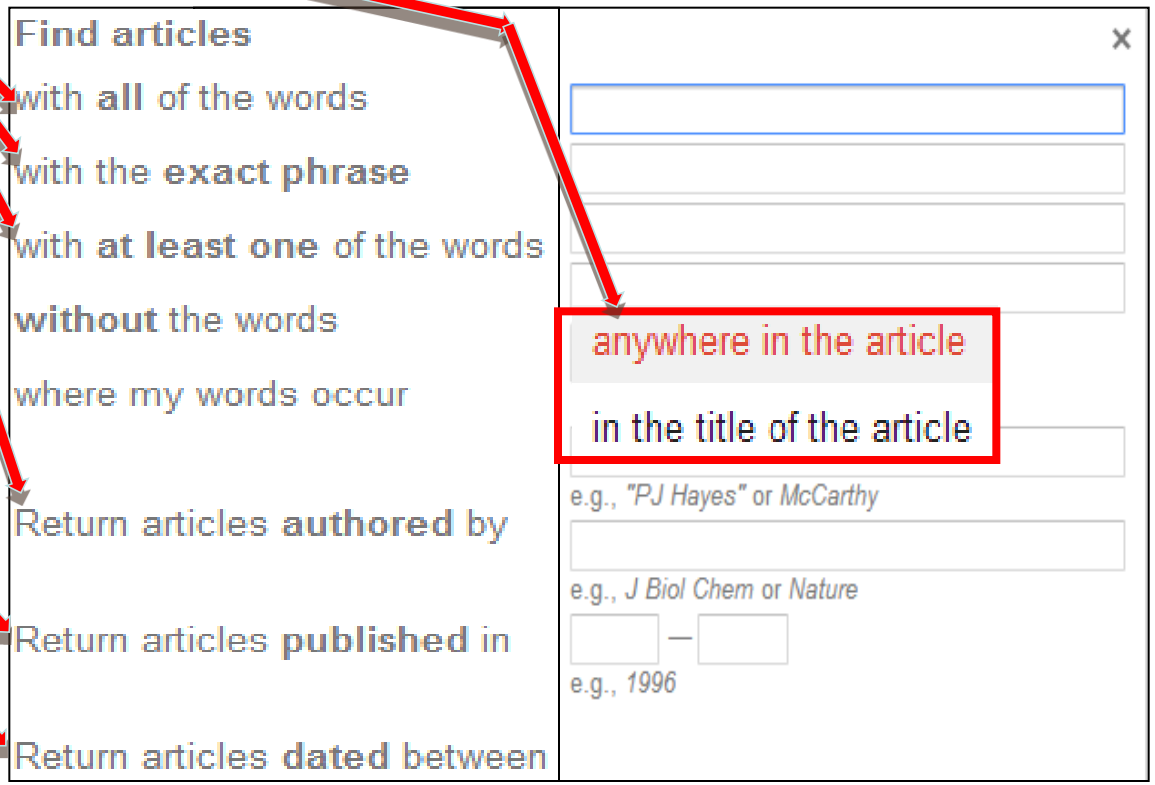


Google Scholar—— Advanced search

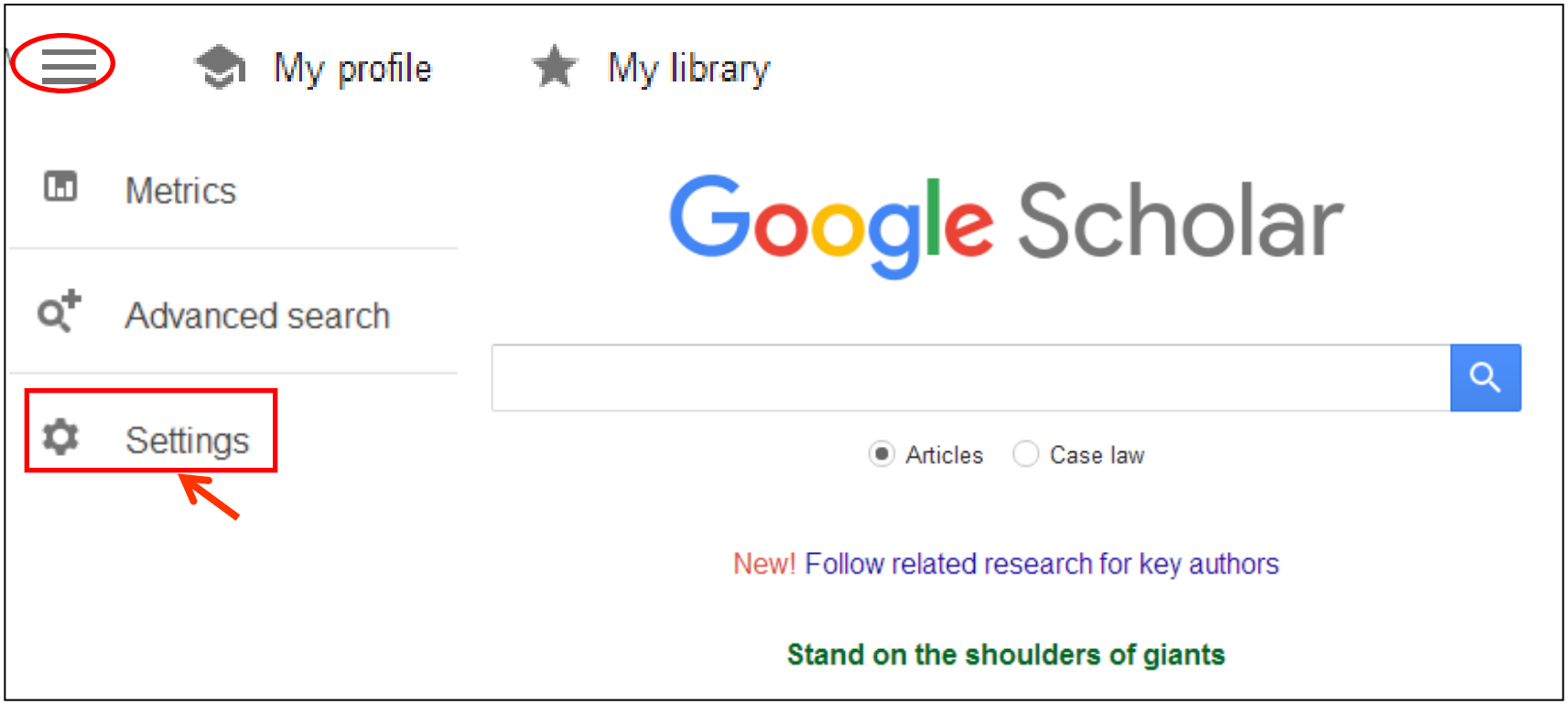
Advanced Search

- In the title/article
- Number of words
- Authors
- Publishers
- Date
- ……

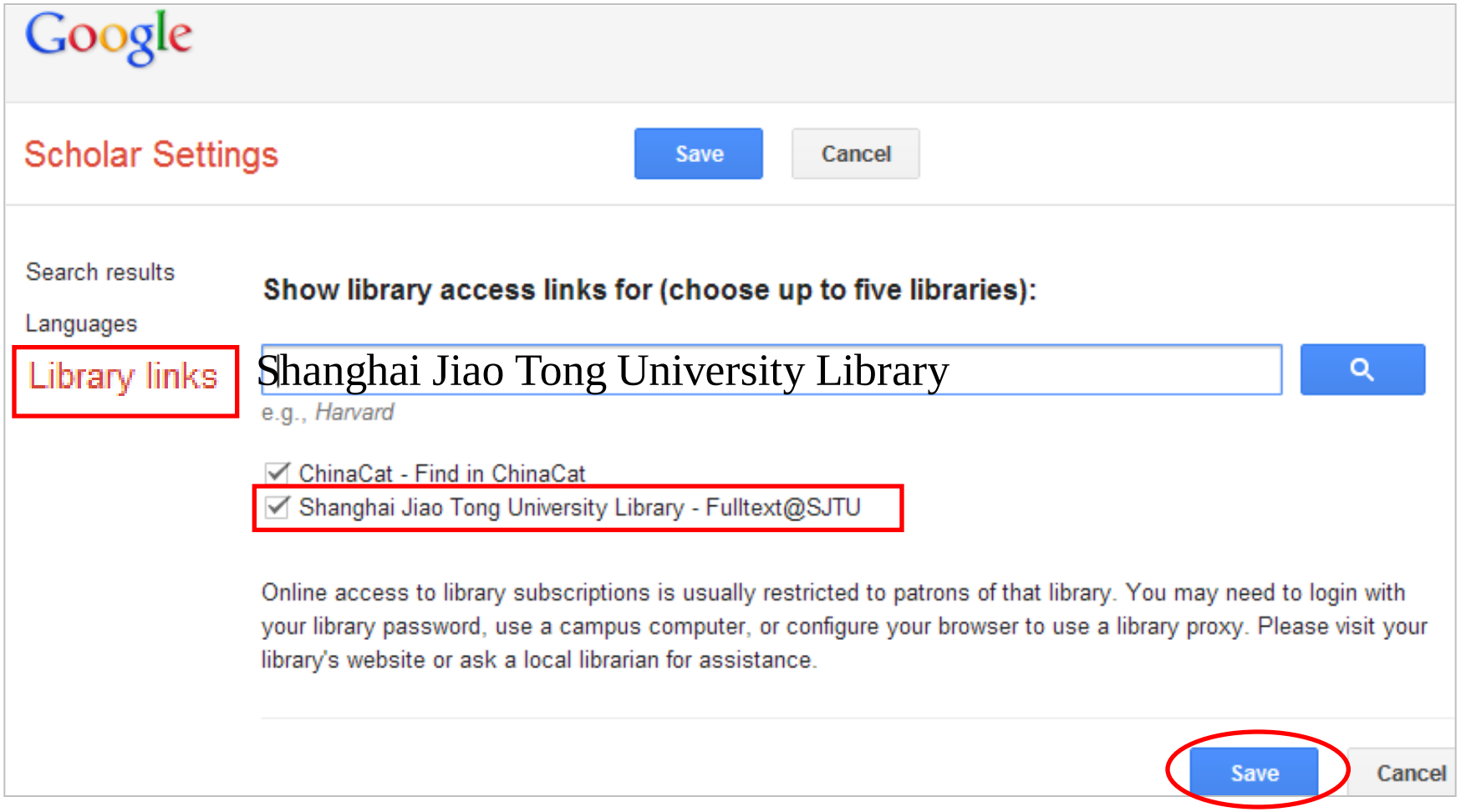




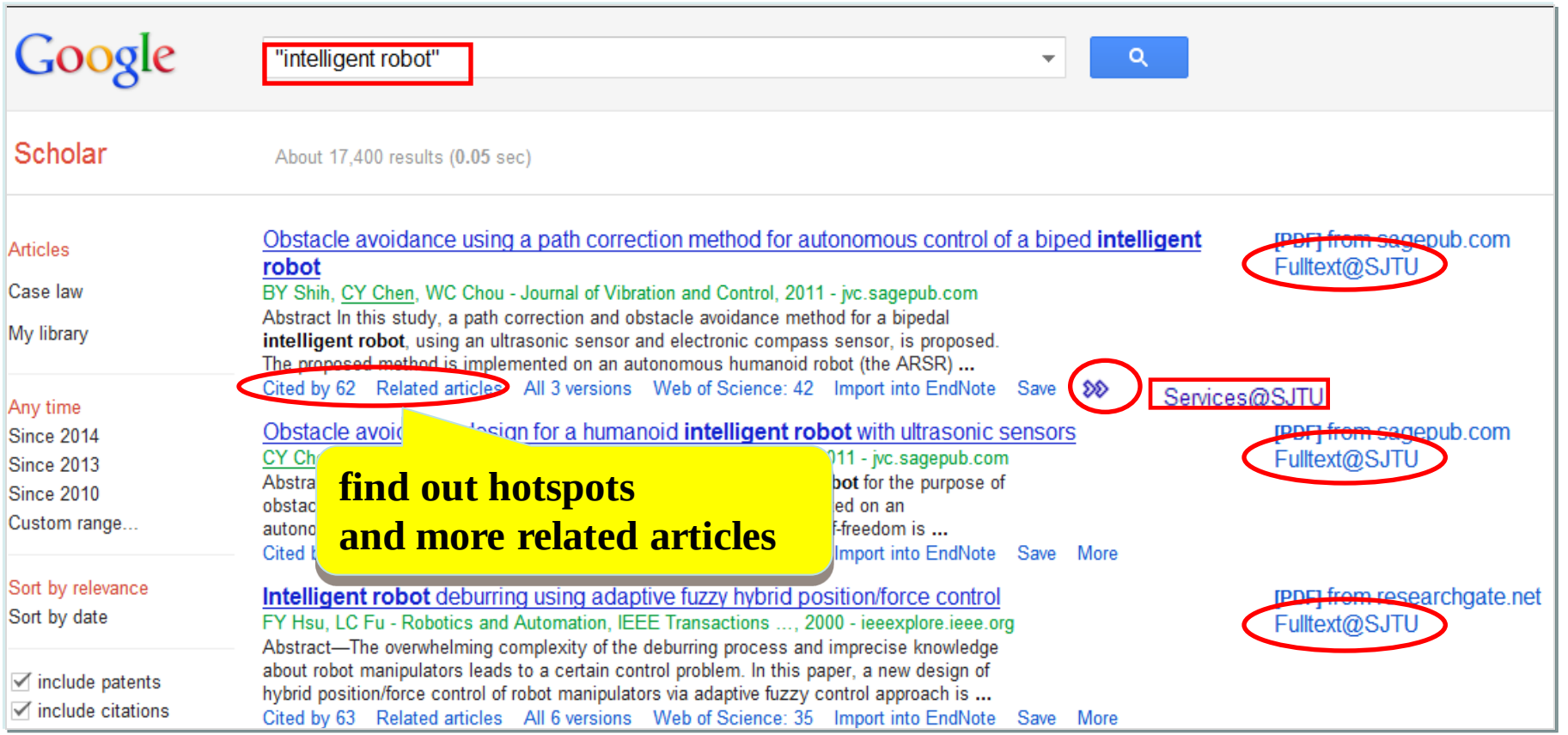
Google Scholar settings (1)



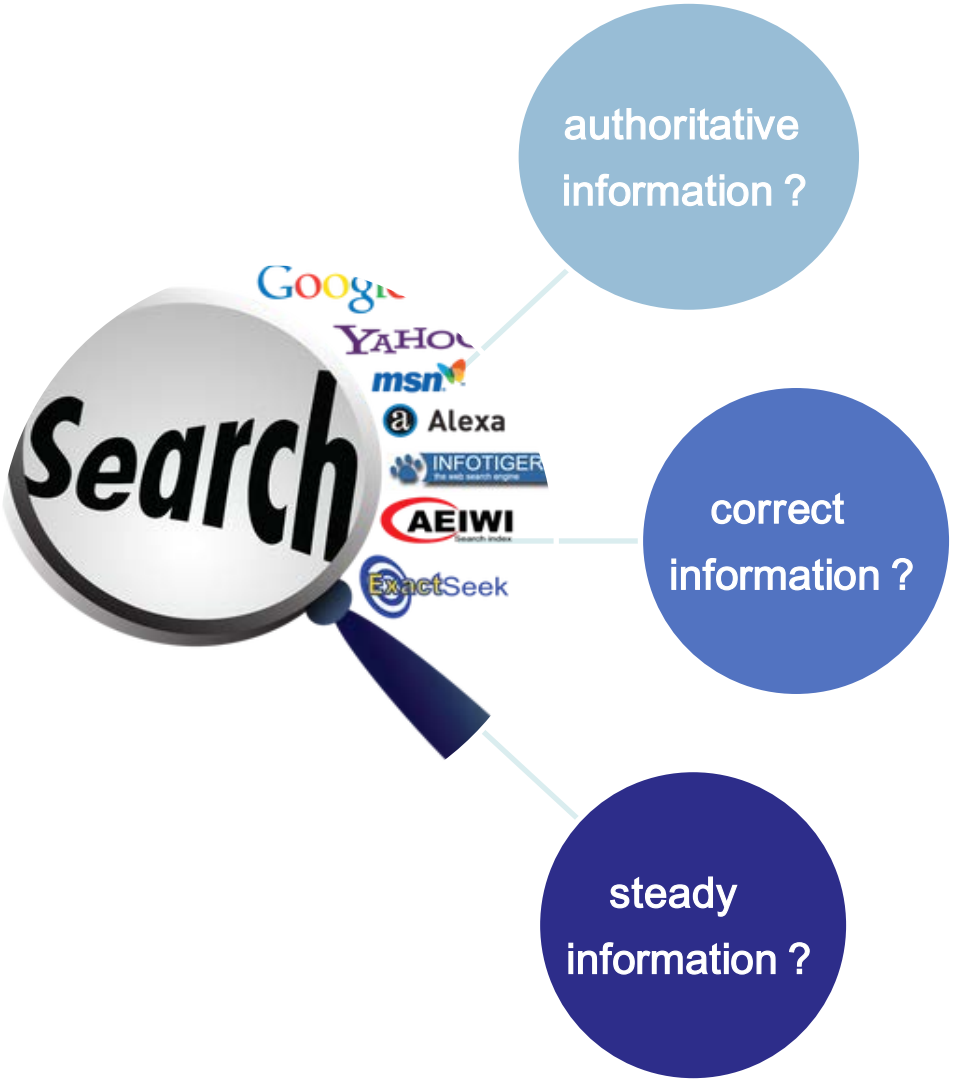
Google Scholar settings (2)



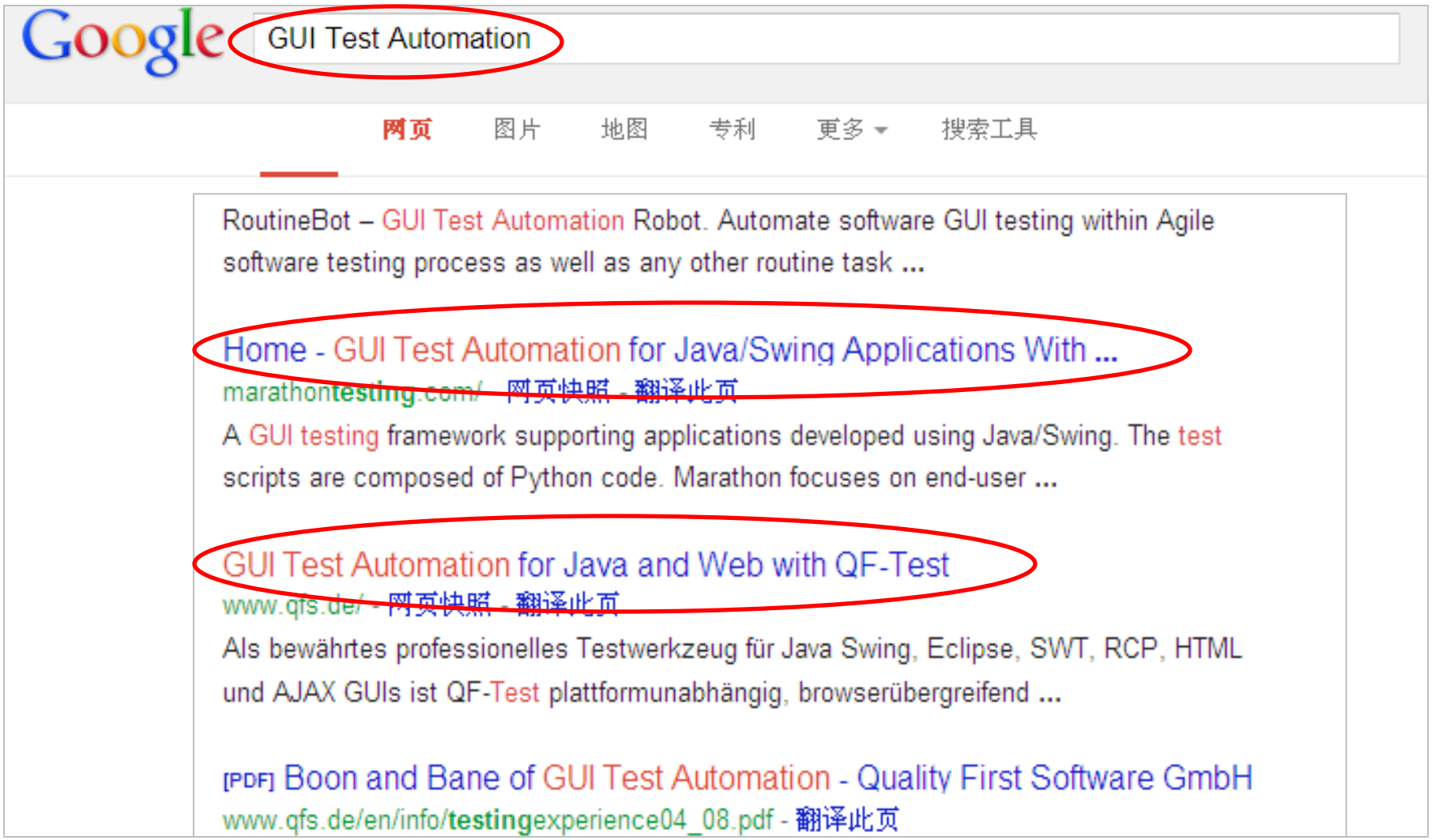
Google Scholar settings (3)



Questions


authoritative information ?
Search
Alexa
INFOTIGER
AEIWI
ExactSeek
correct information ?
steady information ?

Google


Google
GUI Test Automation
网页 图片 地图 专利 更多 搜索工具
RoutineBot – GUI Test Automation Robot. Automate software GUI testing within Agile software testing process as well as any other routine task ...
Home - GUI Test Automation for Java/Swing Applications With ...
marathontesting.com/ - 网页快照 - 翻译此页
A GUI testing framework supporting applications developed using Java/Swing. The test scripts are composed of Python code. Marathon focuses on end-user ...
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Als bewährtes professionelles Testwerkzeug für Java Swing, Eclipse, SWT, RCP, HTML und AJAX GUIs ist QF-Test plattformunabhängig, browserübergreifend ...
[PDF] Boon and Bane of GUI Test Automation - Quality First Software GmbH
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帮助
保存整页结果到
在当前结果中筛选
在线资源 (1)
纸质资源 (1)
精简检索结果
主题
Automation (12)
User interface (9)
Studies (7)
Inventors (4)
Software packages
图书
An FSM based GUI Test Automation Model
Miao, Yuan
11TH INTERNATIONAL CONFERENCE ON CONTROL, AUTOMATION, ROBOTICS AND VISION (ICARCV 2010)
2010
其他信息
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评论/标签
图书
A Test Automation Solution on GUI Functional Test
Zhu Xiaochun
2008 6TH IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS, VOLS 1-3
2008
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图书
Action-driven automation test framework for graphical user interface (GUI) software testing
Feng, Li
2007 IEEE AUTOTESTCON, VOLS 1 AND 2
2007
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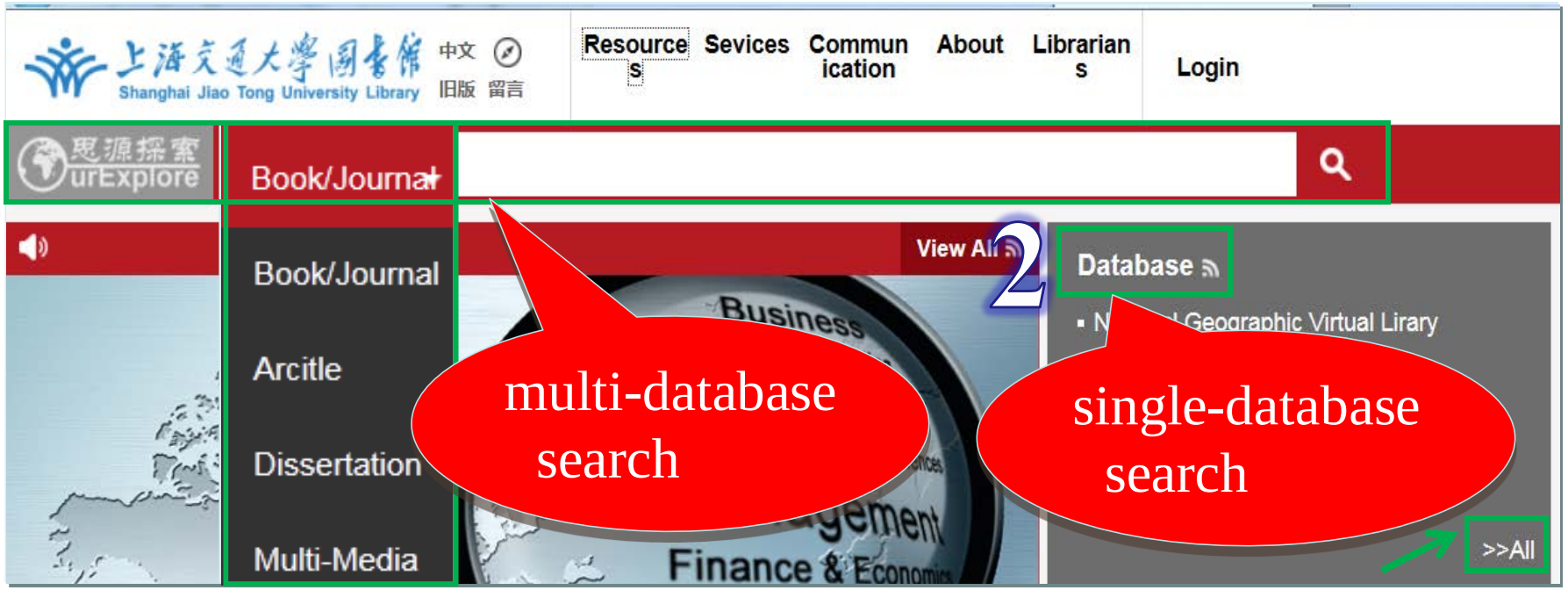
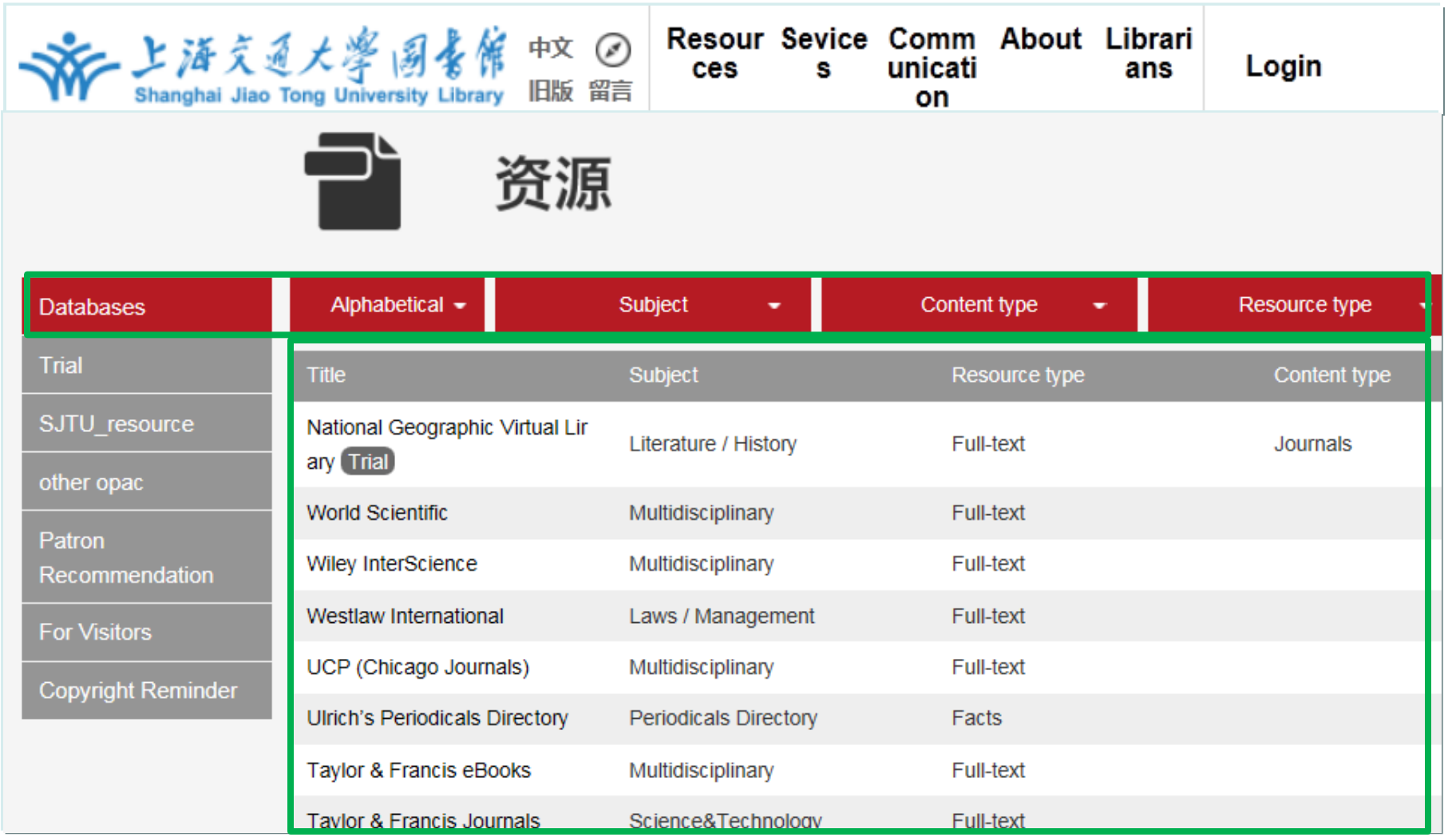
Introduction to library academic resources

Library resources

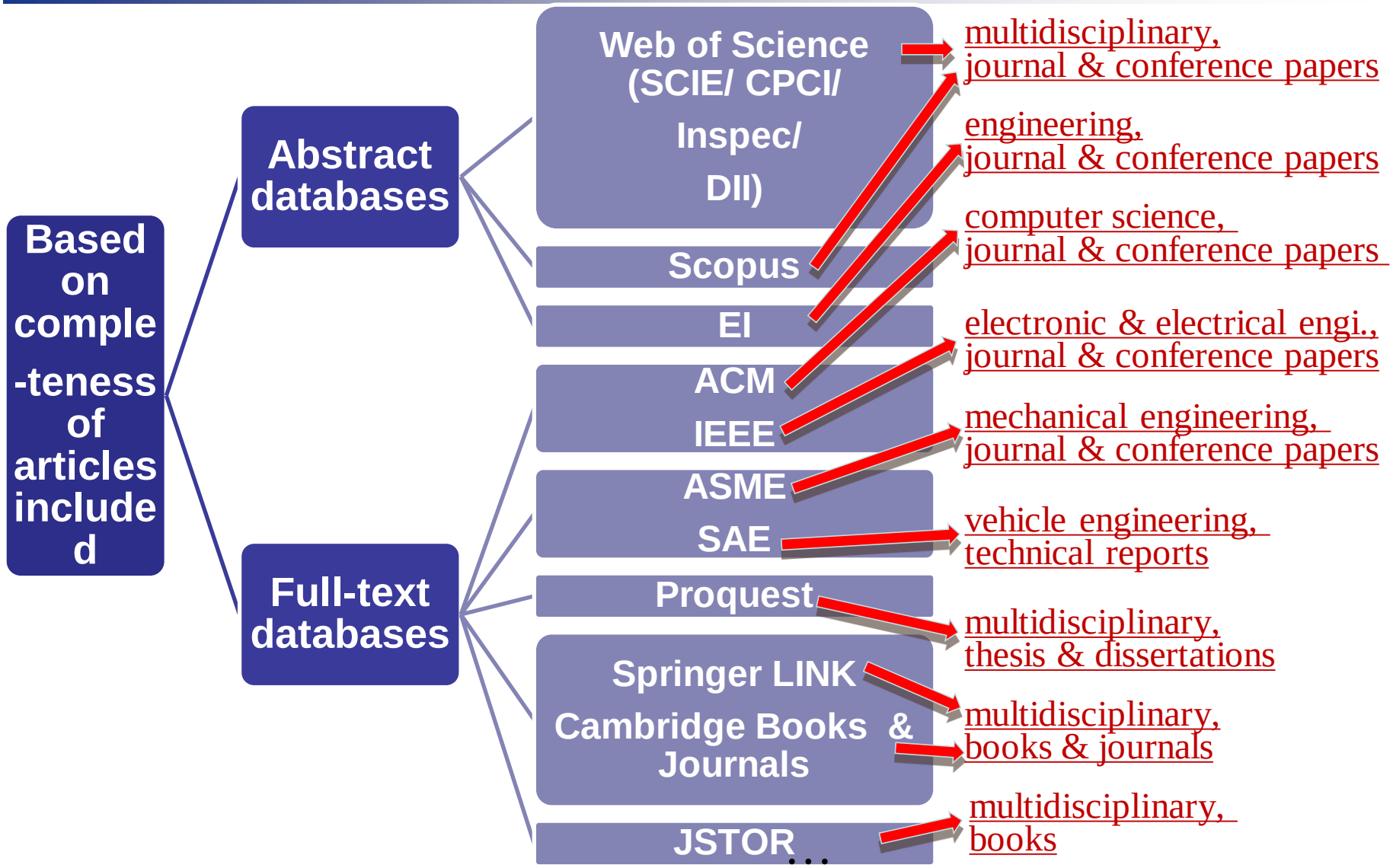
www.lib.sjtu.edu.cn



Database list



Major relevant databases



Pay attention to thesis and dissertations

APPROVAL SHEET

Title of Dissertation:

Name of Candidate:

Dissertation and Abst

Table of Contents

Using databases off-campus

For students—— proxy service

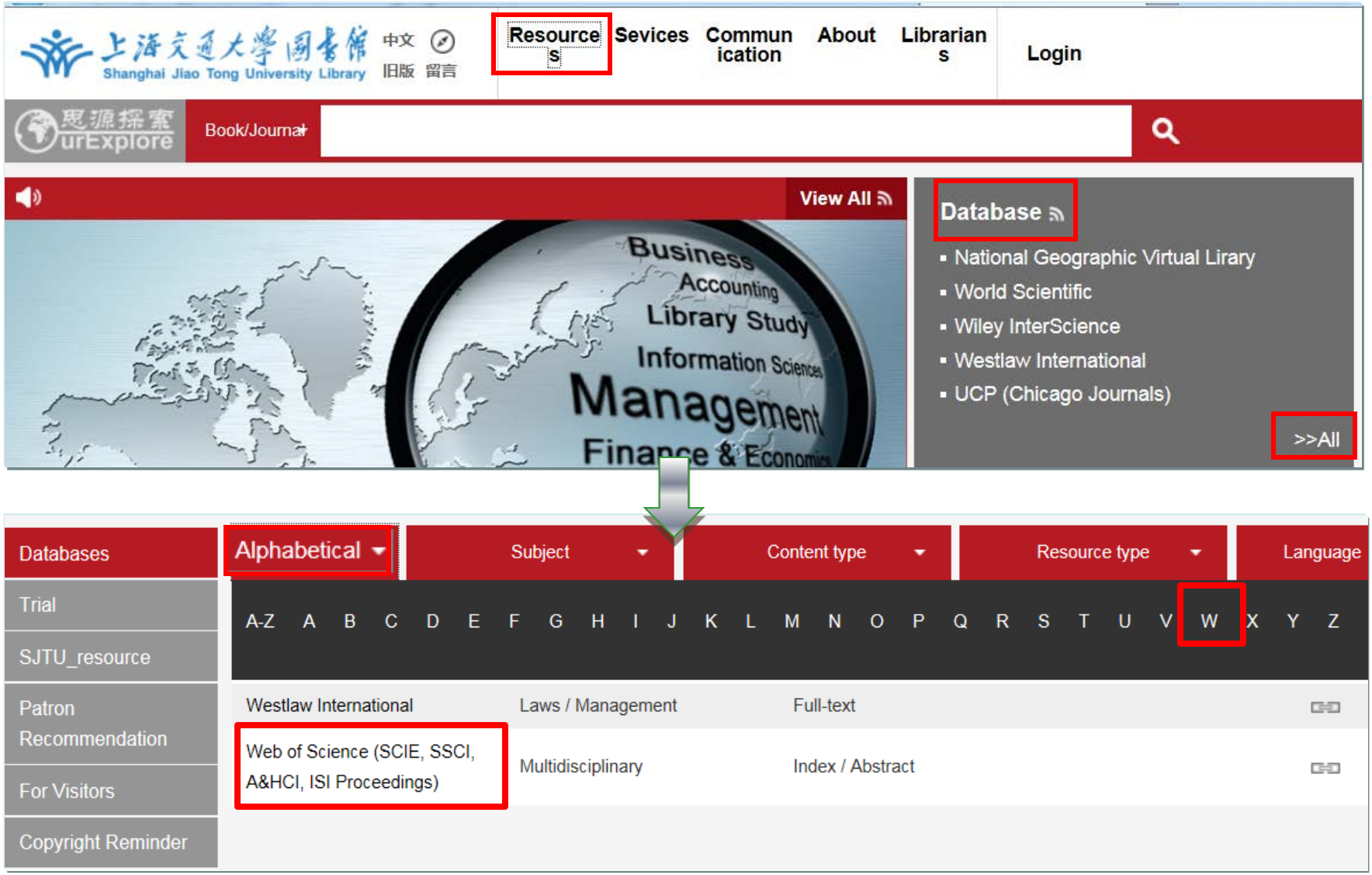
- **server: inproxy.sjtu.edu.cn**
- **port: 80 or 8000**
- **jAccount for user authentication**
- **Find more information at :**

http://net.sjtu.edu.cn/wlfw.htm

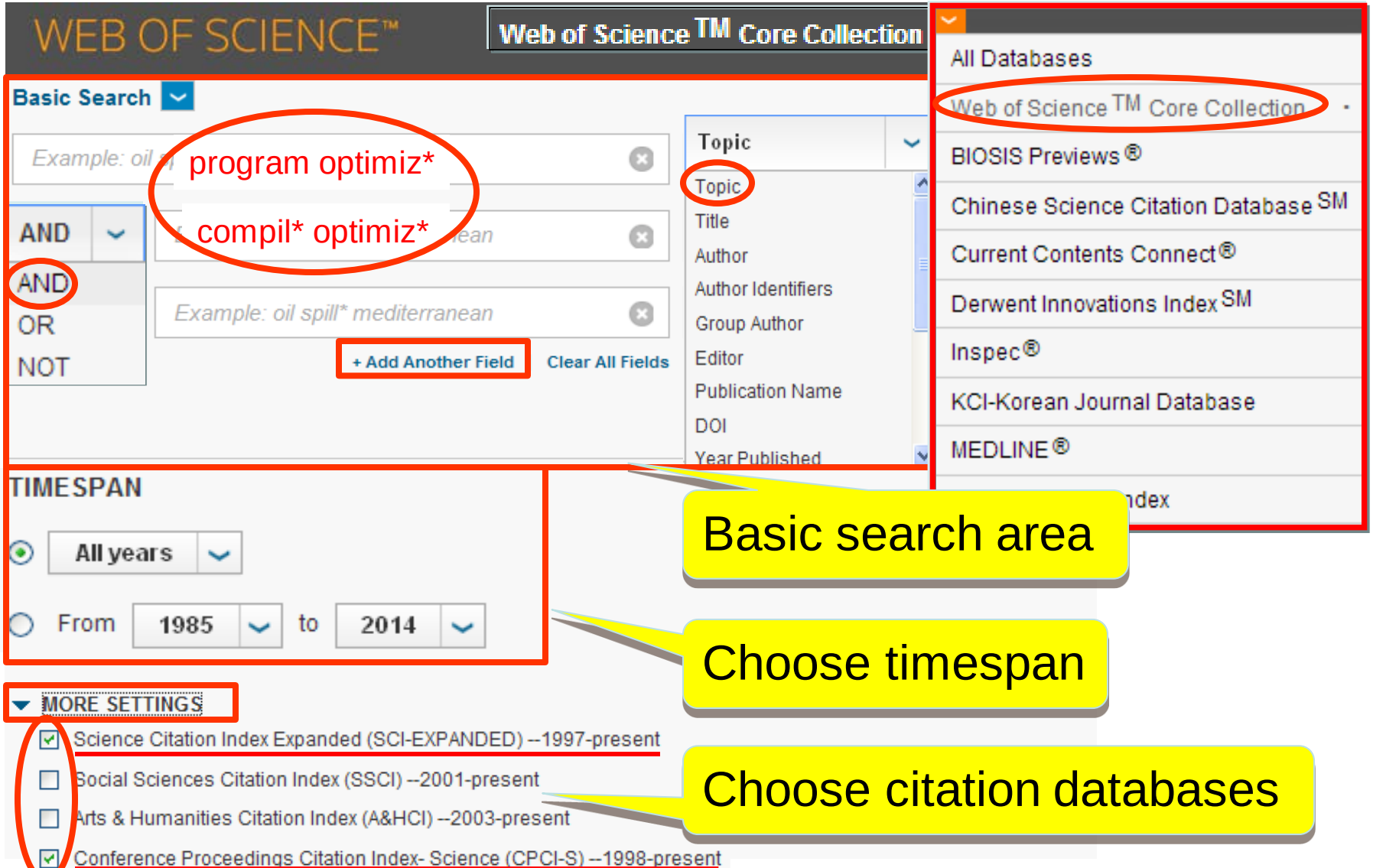
网络信息中心
Network & Information Center

A literature search case (Web of Science)

Find the database



Web of Science

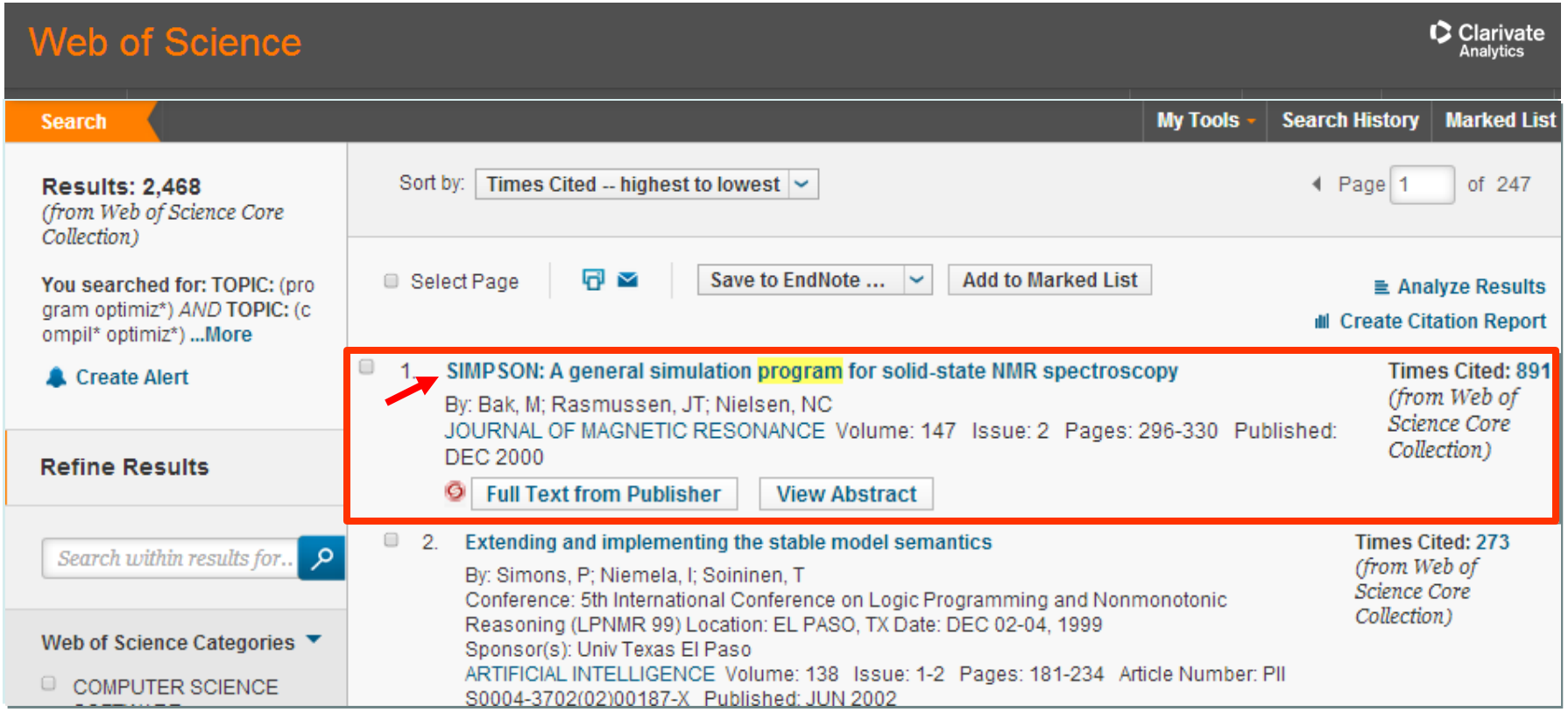


Search results

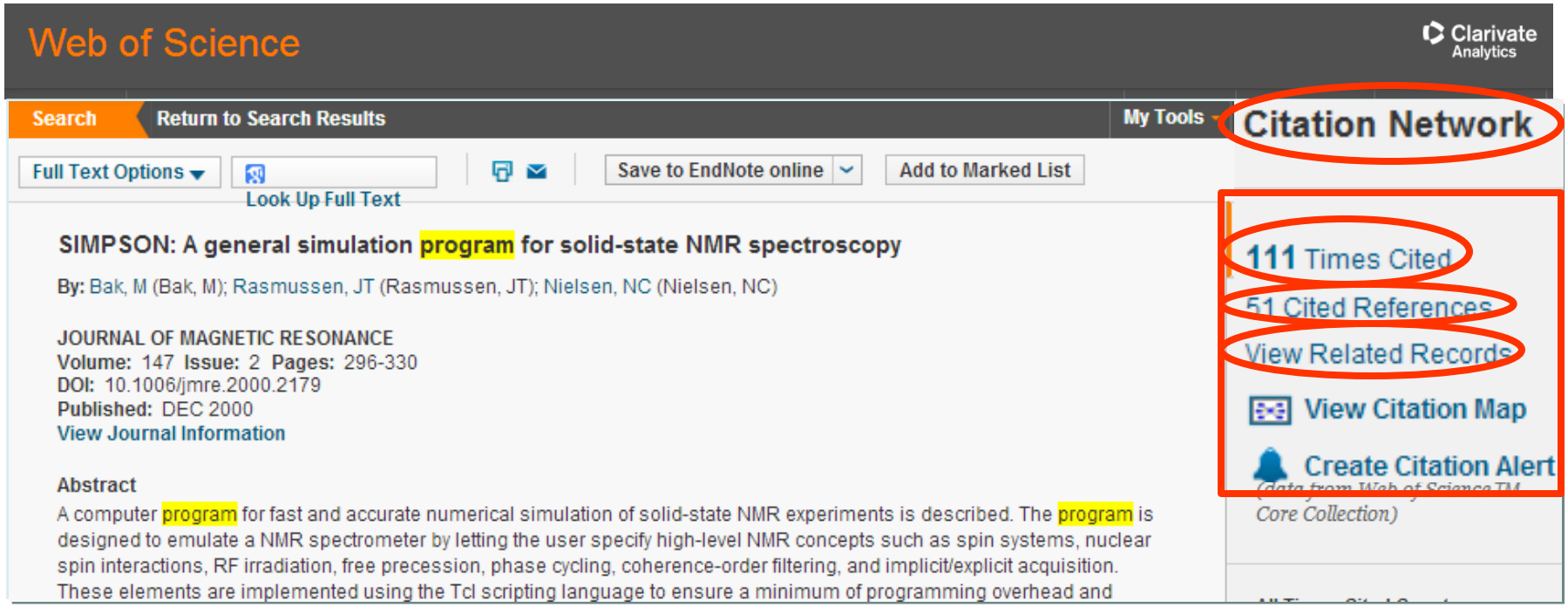
Highly-cited papers- Full text links

Download the full text

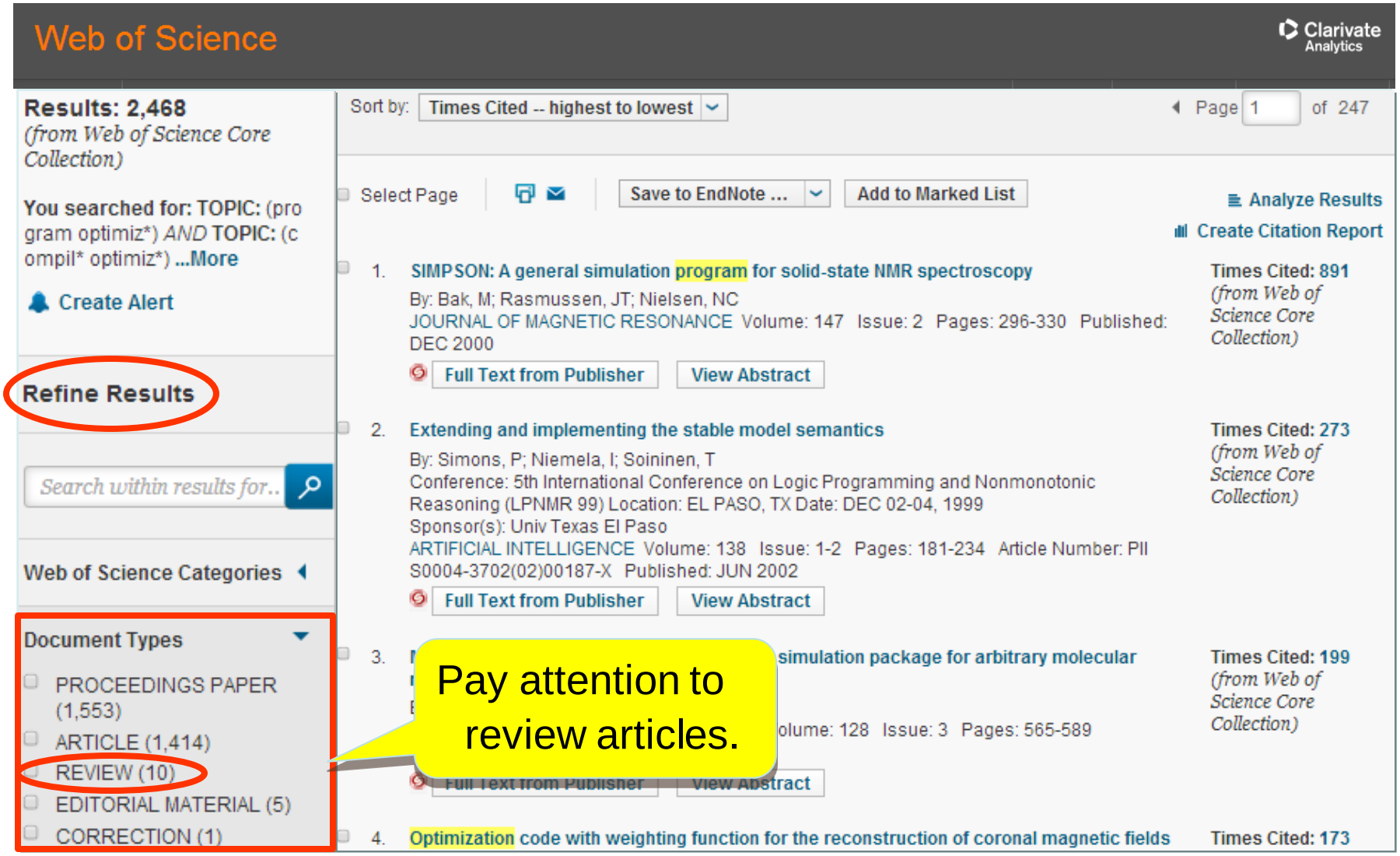
Citation Network of the highly-cited paper(1)



Citation Network of the highly-cited paper(2)



Analyze the search results (1)



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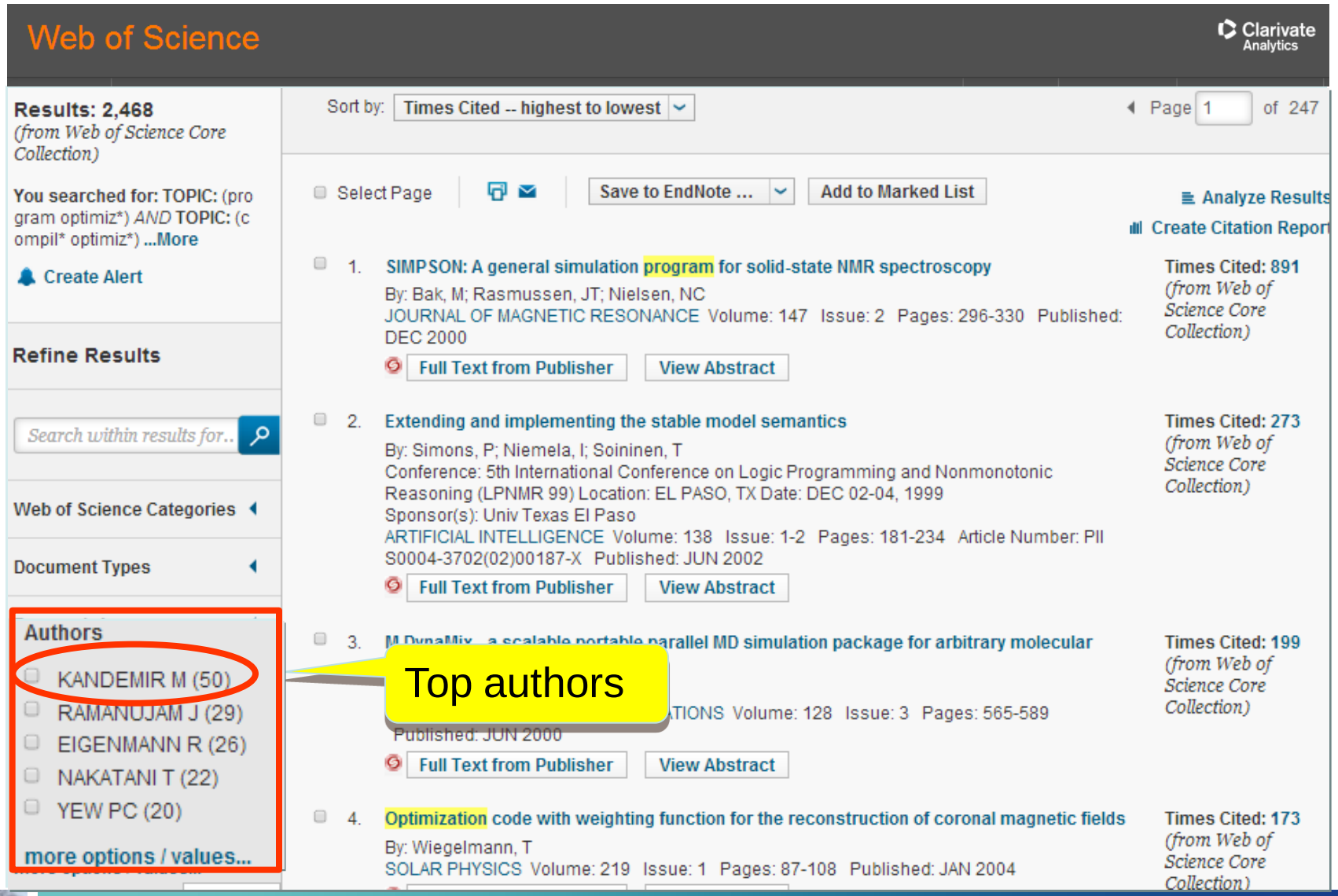

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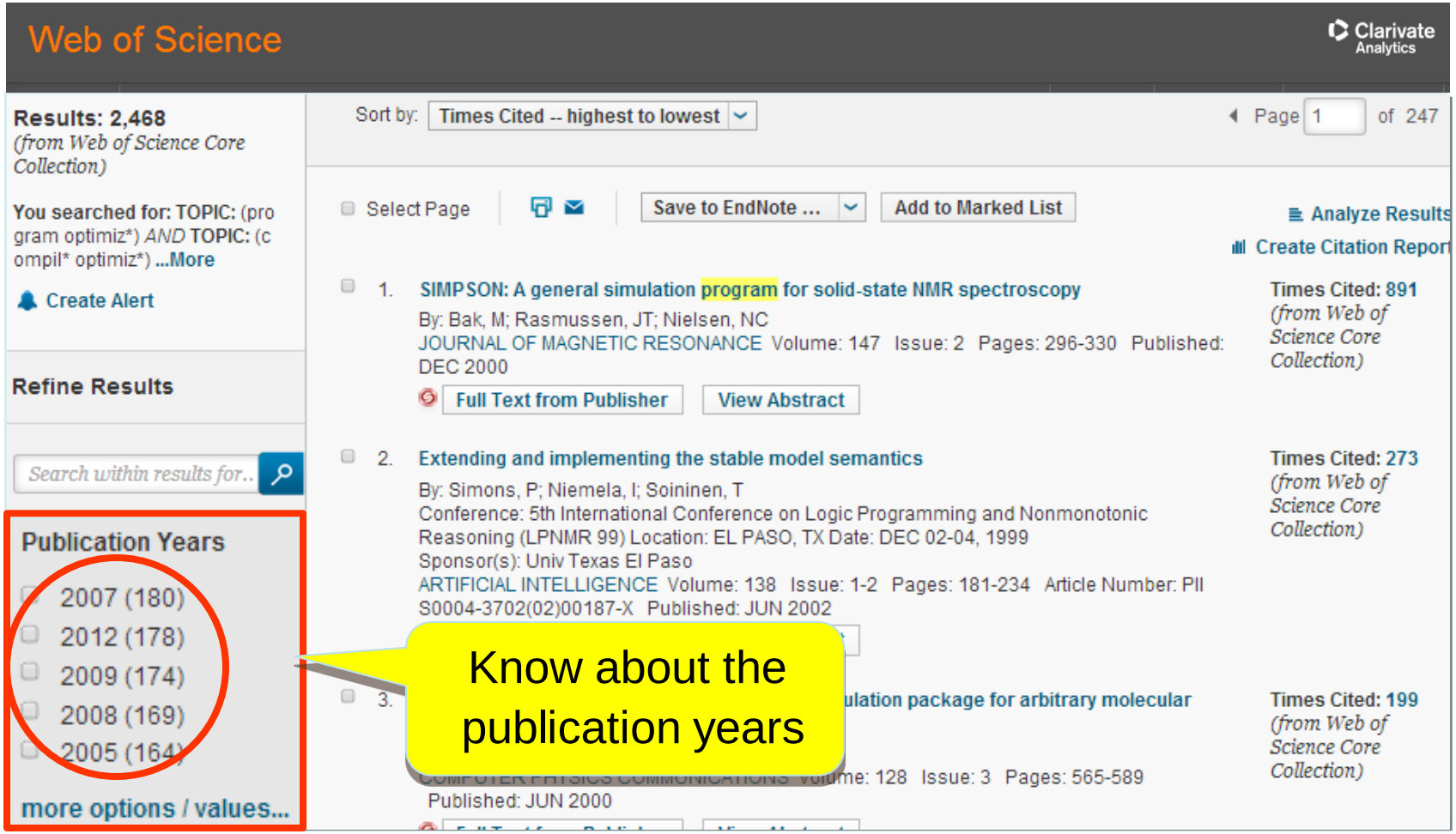
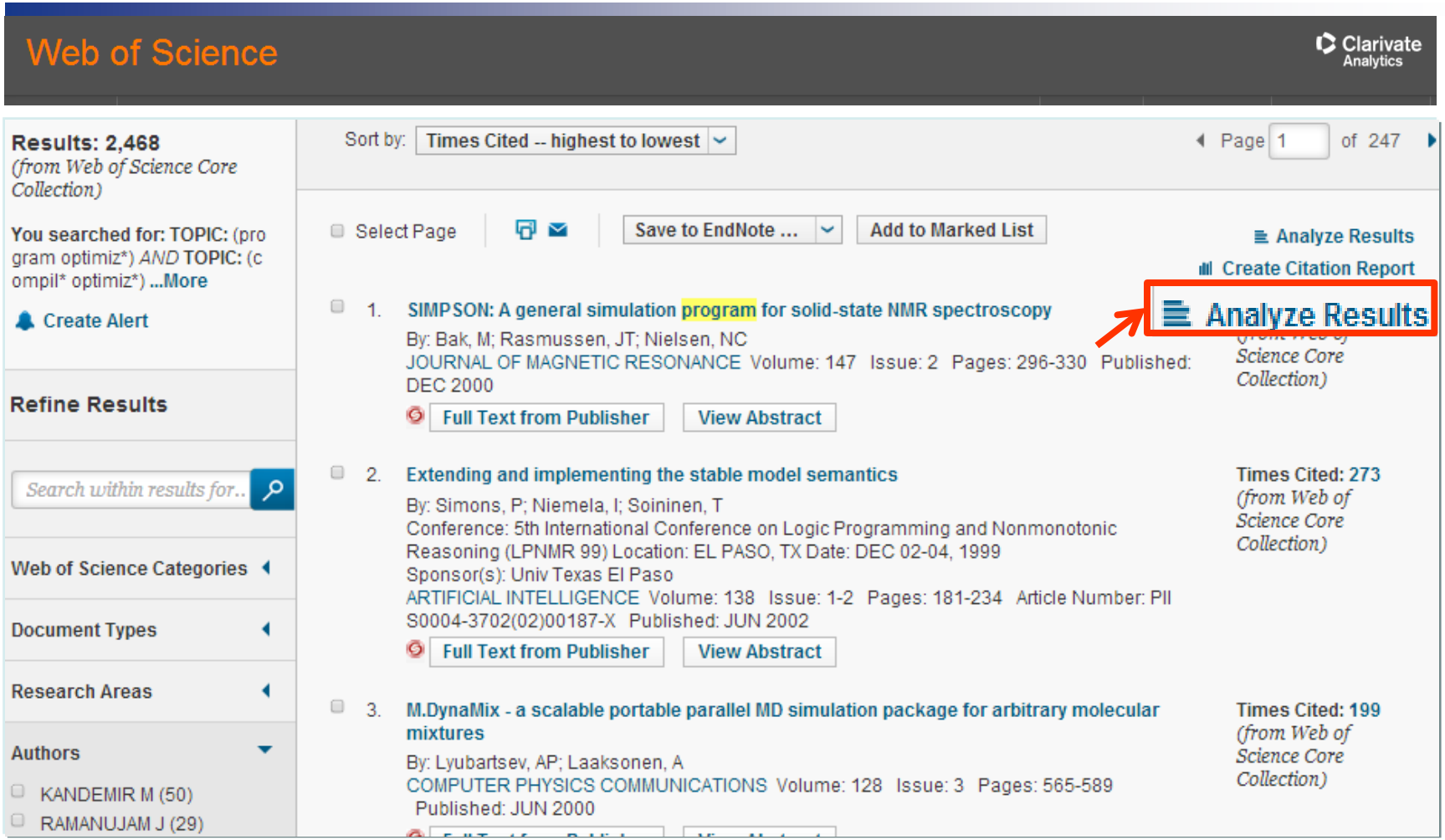


Analyze the search results (4)



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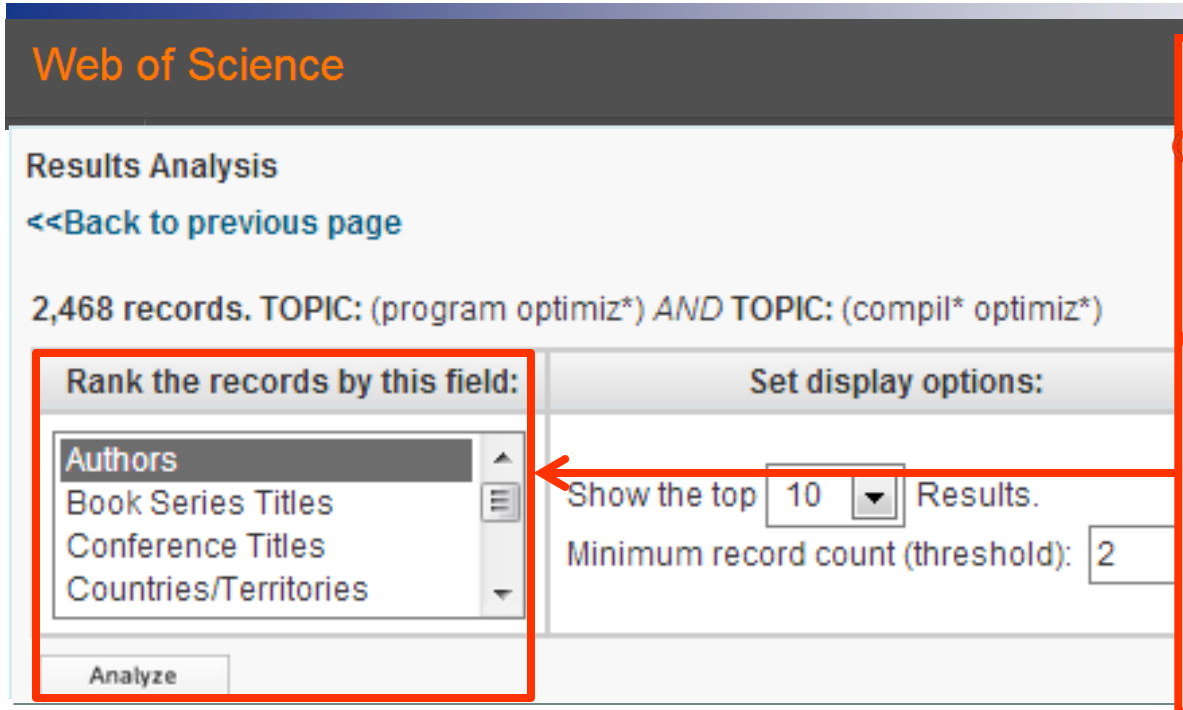
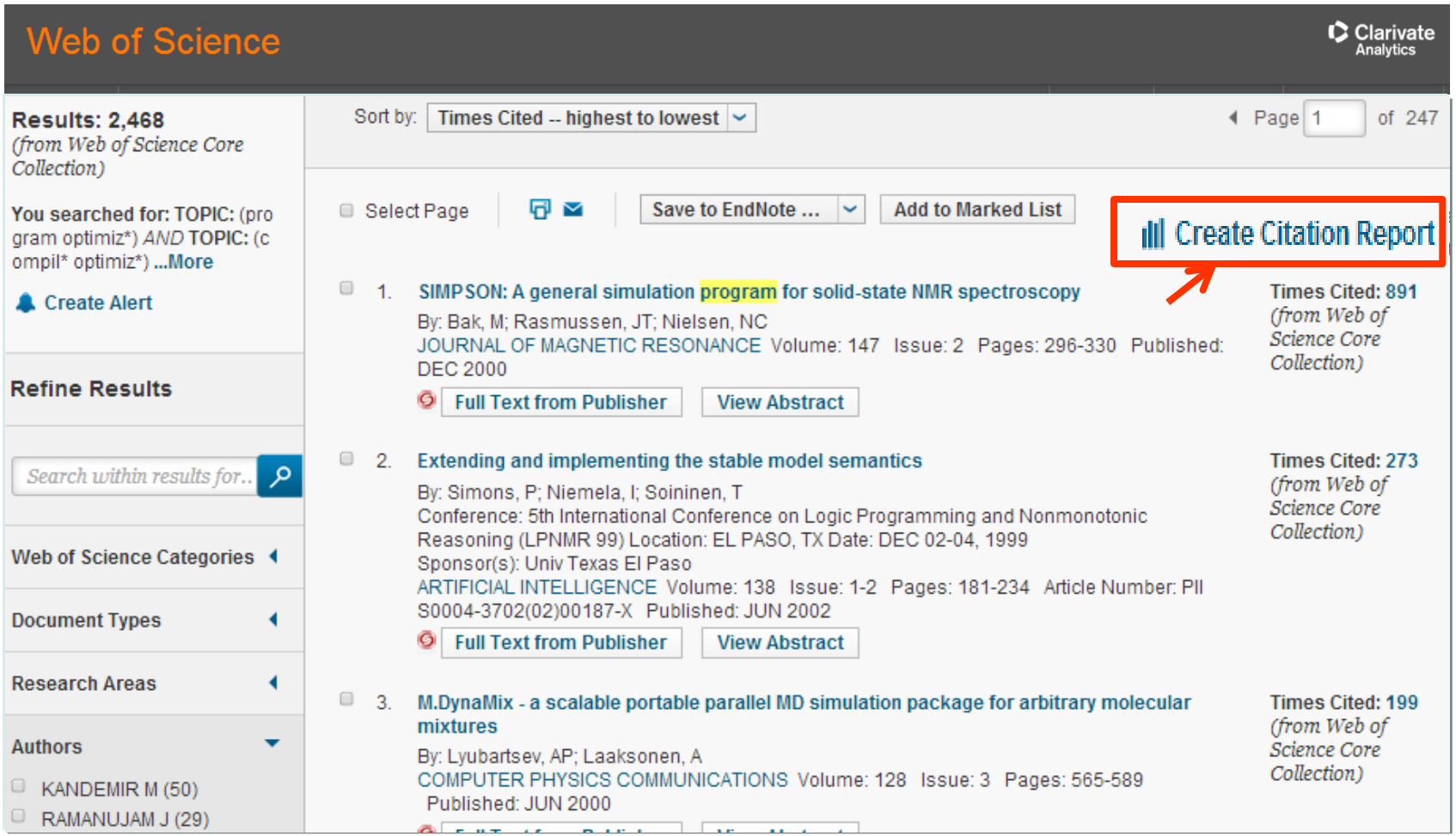


15 Fields:

- Authors
- Book Series Titles
- Conference Titles
- Countries/Territories
- Document Types
- Editors
- Funding Agencies
- Grant Numbers
- Group Authors
- Institutions
- Languages
- Publication Years
- Source Titles
- Subject Areas
- Web of Science Categories

Create Citation Report (1)



Create Citation Report (2)

Web of Science

Clarivate Analytics

Citation Report: 2468

(from Web of Science Core Collection)

You searched for: **TOPIC:** (program optimiz*) *AND* **TOPIC:** (compil* optimiz*) **...More**

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

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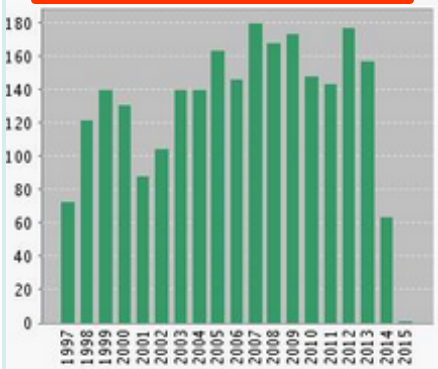
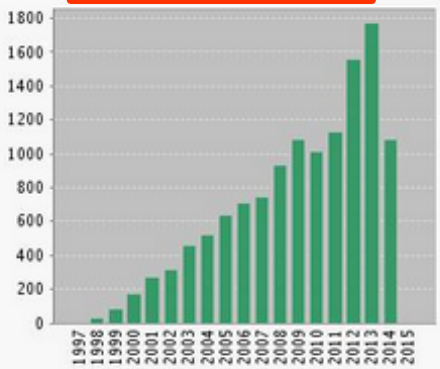


The latest 20 years are displayed.

Citations in Each Year



The latest 20 years are displayed.

Results found:	2468
Sum of the Times Cited [?] :	12542
Sum of Times Cited without self-citations [?] :	11031
Citing Articles [?] :	10114
Citing Articles without self-citations [?] :	9343
Average Citations per Item [?] :	5.08
h-index [?] :	39

Sort by: Times Cited -- highest to lowest

Highly-cited papers

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	2011 ◄	2012	2013	2014	2015 ►	Total	Average Citations per Year
Use the checkboxes to remove individual items from this Citation Report or restrict to items published between 1985 and 2015 Go	1134	1559	1769	1085	5	12542	696.78
1. SIMPSON: A general simulation program for solid-state NMR spectroscopy By: Bak, M; Rasmussen, JT; Nielsen, NC	75	86	57	49	0	891	59.40

THANK YOU