Introduction to Academic Retrieval

AI Hub -Academy and Research (3)

GEC Academy Jiayi Zhu

Last Week

- Two main factors: Feasibility and Innovation
- Two Tools: Web of Science and Histcite

Today

- Important Database and Retrieval System
- Publication Evaluation: JCR
- Meaning of Research

Web of Science





• Four world-famous literature retrieval systems

SCI (Science Citation Index)

SSCI (Social SCI)





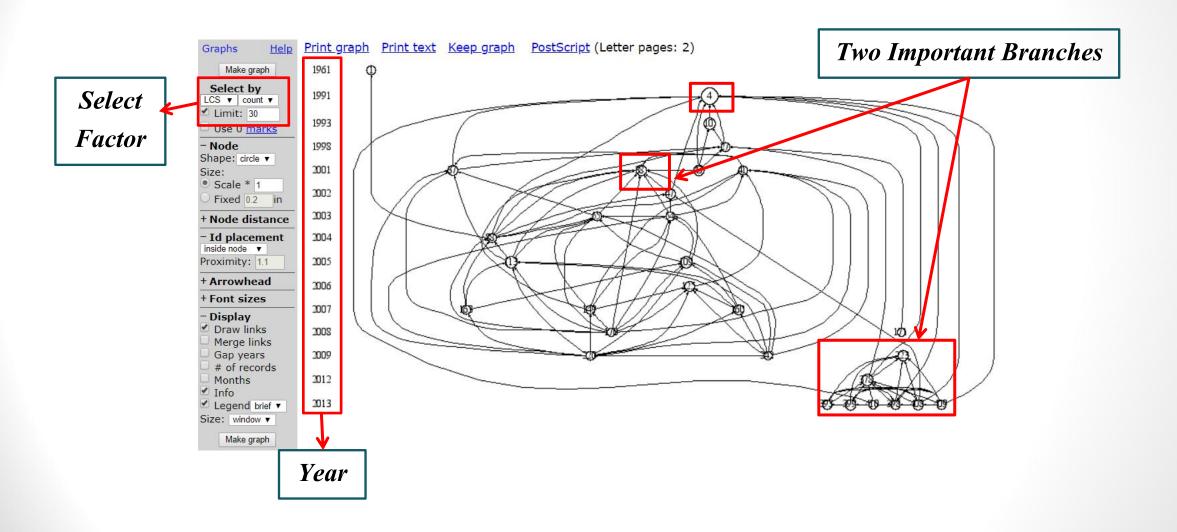
CPCI

(Conference Proceedings Citation Index)

EI (Engineering Index)



HistCite



Web of Science

Topics
Date/Country
Institute/Author/Publication
Title/ DOI: Digital Object
Identifier

AND/OR/NOT

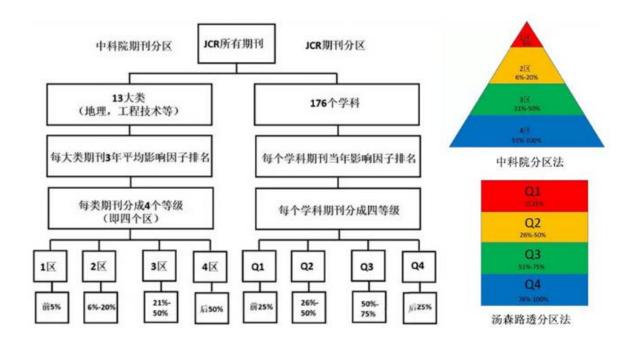


Web of Science





• JCR—Journal Evaluation



Impact Factor (IF):

The total number of citations
divided by the total number
of papers published by the
journal in the past two years

Famous Products



- Web of Science (Literature Retrieval)
- JCR (Journal Evaluation)
- *HistCite* (Literature Analysis)
- Endnote (Literature Management)



Journal Citation Reports





Endnote

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number of measures have been used, such as cross-correlations (see, e.g., Koedijk et al., 2002 and Longin and Solnik, 1995), volatility spillovers (see, e.g., Engle and Susmel, 1993, and Ng, 2000) etc., as well as a variety of econometric approaches, including GARCH modelling (see, e.g., Hamao et al., 1990 and Bekaert et al., 2005), and cointegration analysis (see, e.g., Kasa, 1992 and Richards, 1995). More recently, Forbes and Rigobon (2002) have distinguished

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• CNKI 中国知网

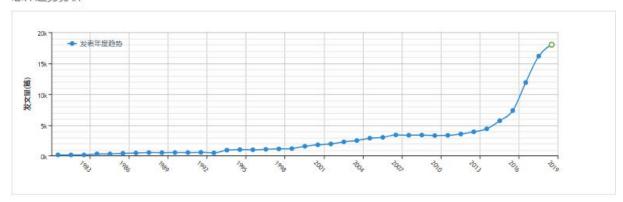




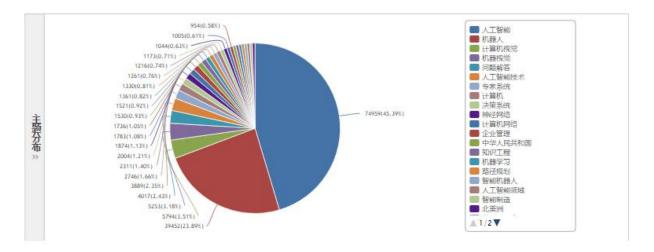
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Total number of journals



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- SCI/EI/CPCI= Libraries?

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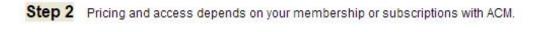








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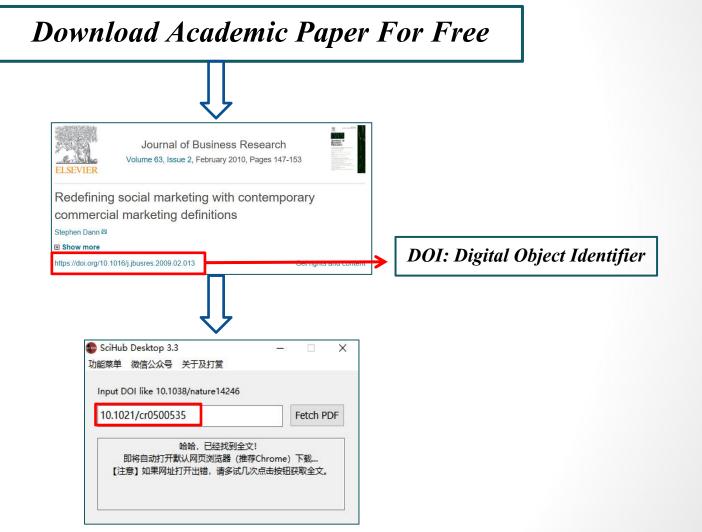
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SCI-HUB



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- Founder of SCI-HUB
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History of SCI



Question: What is the role of

SCI/EI/CPCI in scientific research?

Garfield: SCI is first and foremost search tool, and the evaluation function is just a derivative.

Meaning of Essay Publication

- Complete Training
- Attitude—Complete Job
- Record of your work
- Peer Review Process

- There is no need to seek only for high-impact SCI publications, just do your best!
- You are treated as a student, not an expert by the Research Group.

Meaning of Essay Publication



Donna Strickland
Winner of the 2018 Nobel Prize in Physics
Physicists in the field of lasers
Professor, University of Waterloo



Optics Communications

Volume 55, Issue 6, 15 October 1985, Pages 447-449



Compression of amplified chirped optical pulses

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Received 5 July 1985, Available online 19 August 2002.

OPTICS COMMUNICATIONS

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Next Lecture

- How to Prepare an Academic Paper?
- How to Prepare an Academic Presentation?

Thank you for your listening!