Trends in Research Librarianship Literature: A Social Network Analysis of Articles

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Outline

- ❑ Social network analysis
- ❑ Methodology
- ❑ Findings
  - ❑ Authors
  - ❑ Journals
  - ❑ Documents
  - ❑ Terms
- ❑ Conclusion

Social Network Analysis

- Investigates social structures
  - Co-citation networks
  - Collaboration types
  - Reveal the trends in scientific disciplines
- Views communities
- Focuses on the characteristics of ties rather than on the characteristics of the individuals
- Many softwares (Pajek, Ucinet, CiteSpace)

Social Network Analysis Studies

Social Network Analysis Studies

ISI Web of Knowledge [v.4.10] - Web of Science Results - Windows Internet Explorer

http://apps.isiknowledge.com/summary.do?qid=2&product=WOS&SID=W1cGkcgd5ML28pHLaGL&search_mode=Refine

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

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Refine Results

Search within results for
[   ] Search

▼ **Subject Areas**   Refine
☐ INFORMATION SCIENCE & LIBRARY SCIENCE (95)
☐ MANAGEMENT (78)
☐ COMPUTER SCIENCE, INFORMATION SYSTEMS (72)
☐ SOCIOLOGY (70)
☐ COMPUTER SCIENCE, INTERDISCIPLINARY APPLICATIONS (43)
more options / values...

▼ **Document Types**   Refine

☐ 1. Title: Improving learning management through semantic web and social networks in e-learning environments
Author(s): Cuellar MP, Delgado M, Pegalajar MC
Source: **EXPERT SYSTEMS WITH APPLICATIONS** Volume: **38** Issue: **4** Pages: **4181-4189** Published: **APR 2011**
Times Cited: **0**
360 Link to Full Text   Full Text

☐ 2. Title: The evolving structure of the technological landscape
Author(s): Carnabuci G
Source: **TECHNOLOGY ANALYSIS & STRATEGIC MANAGEMENT** Volume: **23** Issue: **2** Pages: **145-158** Published: **2011**
Times Cited: **0**
360 Link to Full Text

☐ 3. Title: The profile of Spanish journals in the field of communication (2007-2008)
Author(s): Fernandez-Quijada D
Source: **REVISTA ESPANOLA DE DOCUMENTACION CIENTIFICA** Volume: **33** Issue: **4** Pages: **553-581** Published: **OCT-DEC 2010**

Social Network Analysis Studies

WoS Search Results
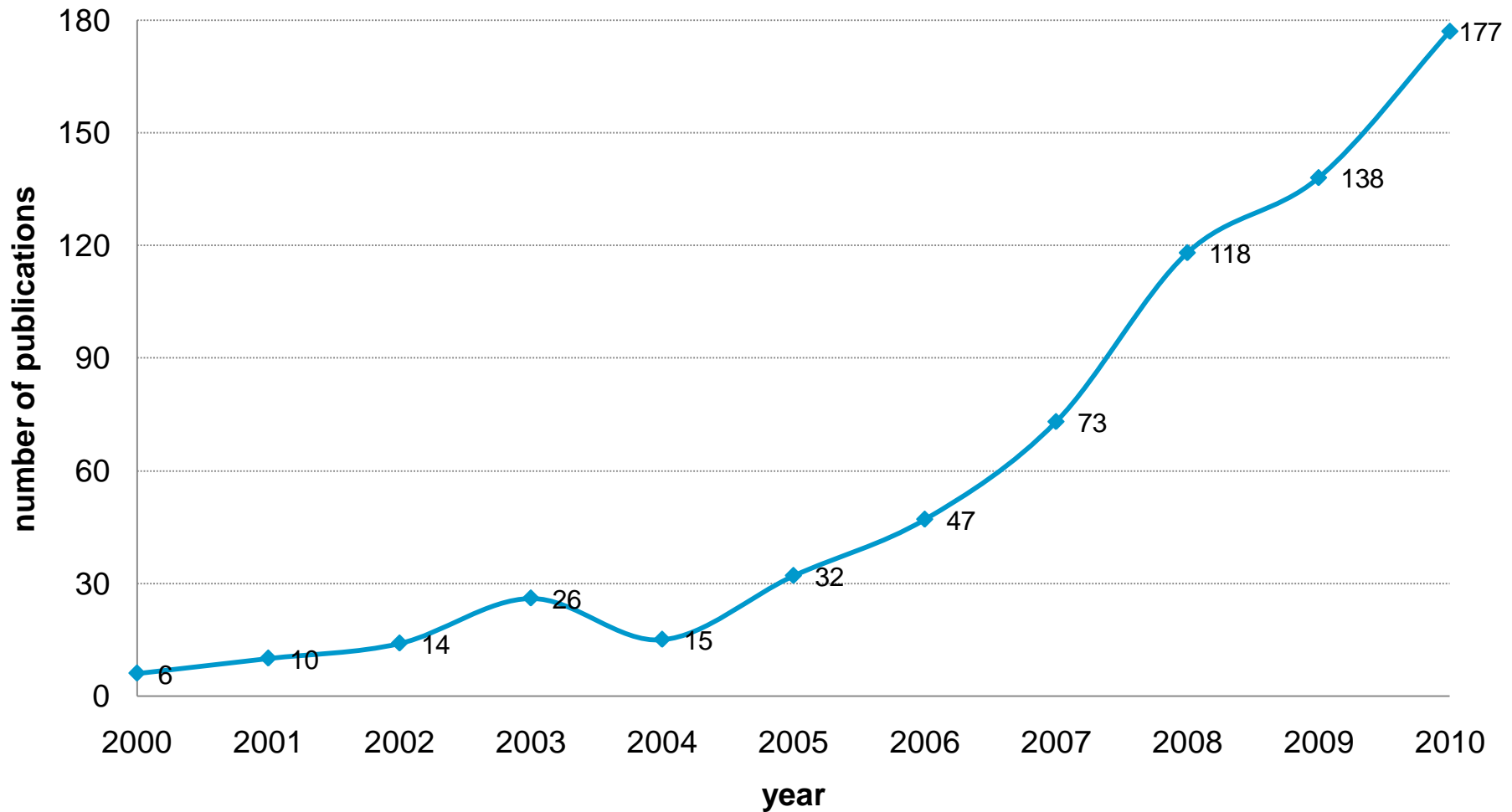
Methodology

- Data source *Social Sciences Citation Index*
- "Research librarianship" articles
- Data set cover 1956-2010

CiteSpace

Research Questions

- Who are the most productive and most cited authors of research librarianship field?

- Which journals publish more articles on research librarianship and which ones are highly cited in the literature?

- What are the most frequently used words in the abstracts of articles related to research librarianship?

- Which new words related to research librarianship are added to literature in time?

Findings

Research Librarianship Articles in the *SSCI* (1956-2010)
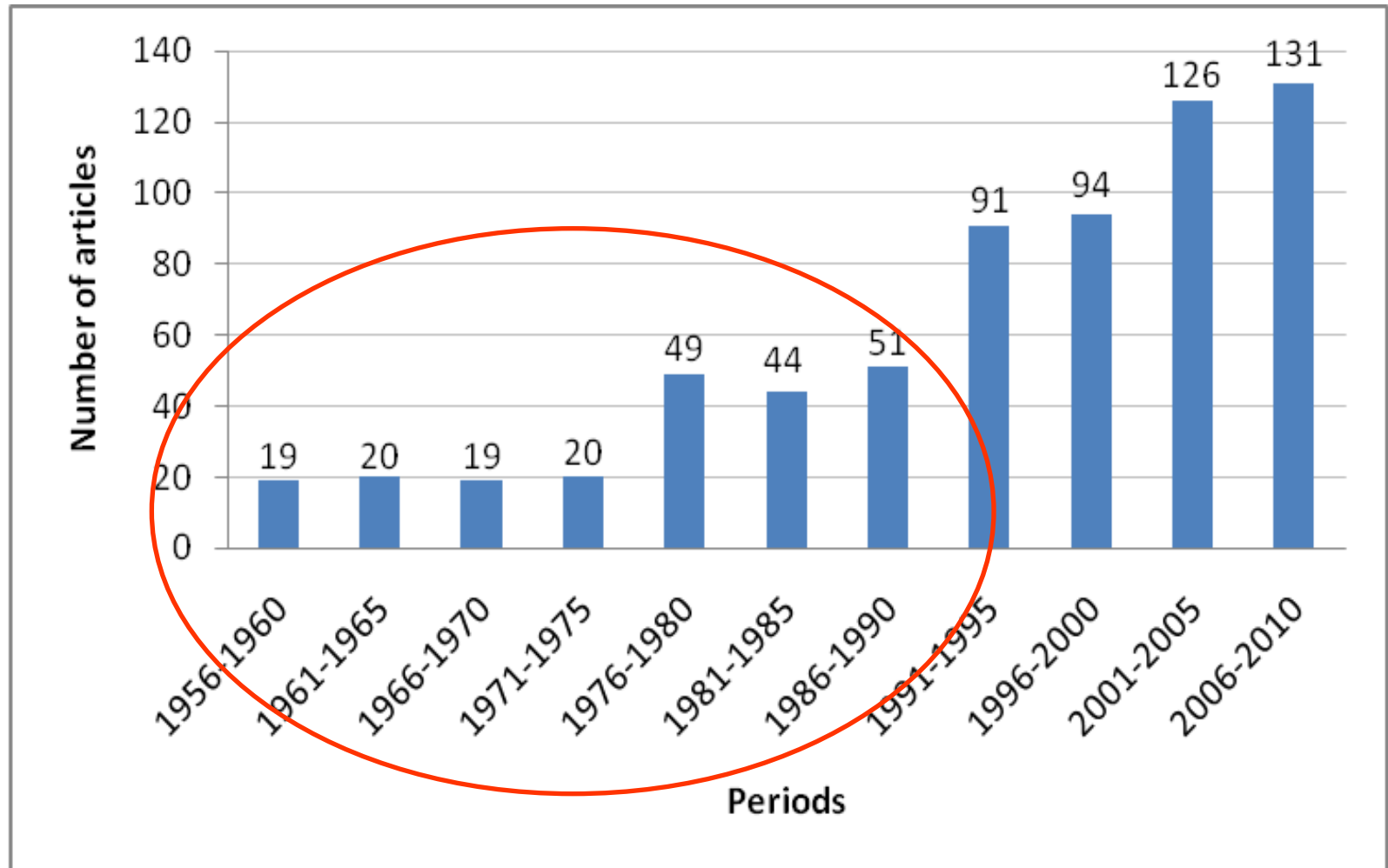
The Most Productive Authors of Research Librarianship

Author	N
Karen Schmidt	7
Tina Chrzastowski	5
Colleen Cook	5
Peter Hernon	5
Susan Lazinger	5
Richard Dougherty	4
Peter Graham	4
Mary Jackson	4
Lewis Guodo Liu	4

The Most Cited Authors

Authors	# of unique articles that cite a particular author	# of total citations
Peter Hernon	31	45
Martha Kyrillidou	23	46
Herbert S. White	22	31
Eugene Garfield	19	45
John M. Budd	18	20
Lois Buttlar	18	19
Richard Dougherty	15	21
Paul Metz	15	15
Beverly P. Lynch	14	16
Richard DeGennaro	14	19
Maurice B. Line	14	27
F. Wilfrid Lancaster	14	20
Hong Xu	12	13
Ann Okerson	12	14
Thomas E. Nisonger	12	25
Blaise Cronin	12	15
Carol Tenopir	12	25
Mary Jo Lynch	12	14
Christine L. Borgman	11	21
Michael Gorman	11	13

Author Co-citation Network of Research Librarianship
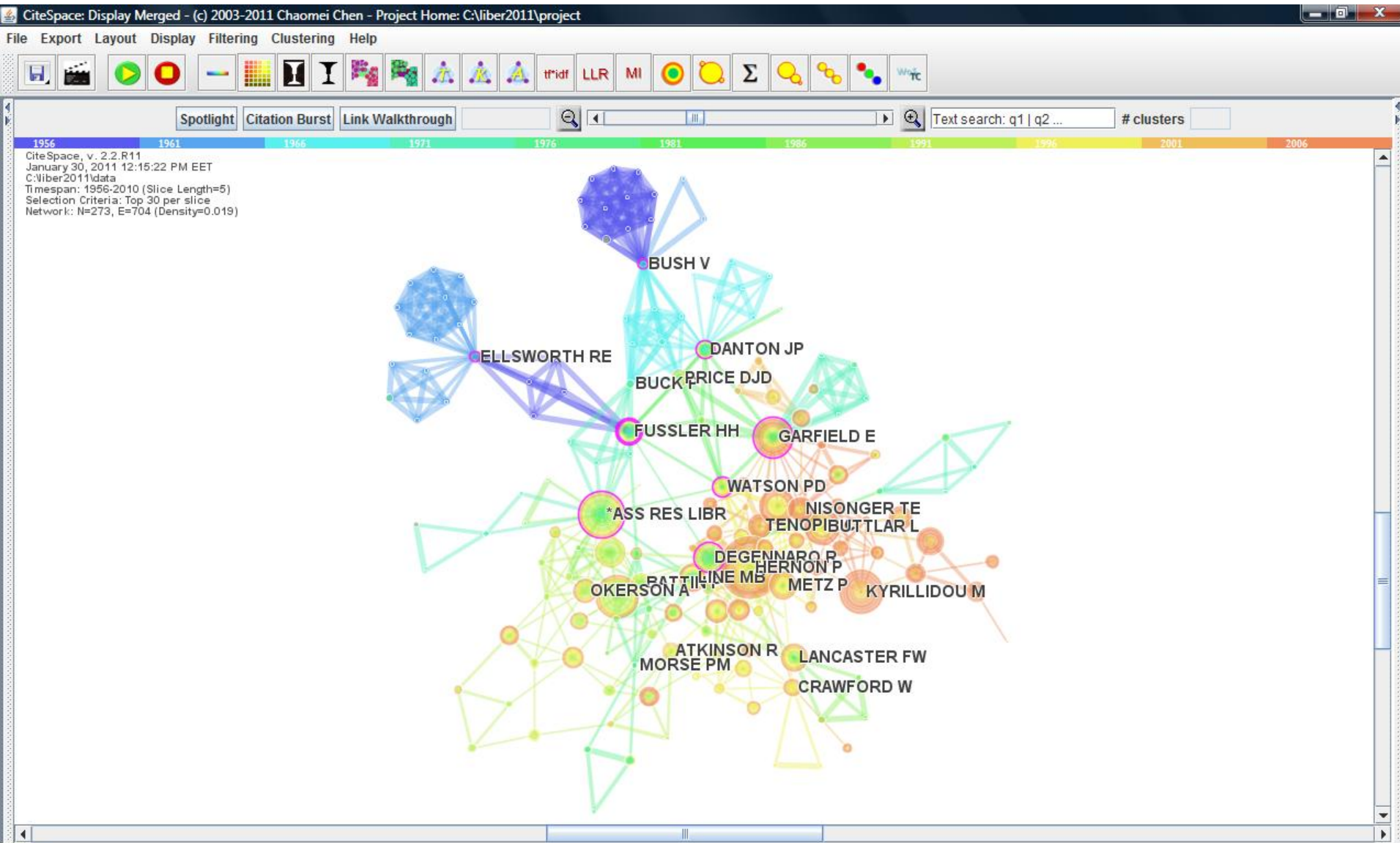
Journals Published 21 or more Articles on Research Librarianship

| Journal	N
College & Research Libraries	137
Journal of Academic Librarianship	50
Library Resources & Technical Services	49
Library Trends	39
Portal-Libraries and the Academy	32
Zentralblatt für Bibliothekswesen	28
Library Collections Acquisitions & Technical Services	22
Information Technology and Libraries	21
Interlending & Document Supply	21

The Most Heavily Cited Journals in Research Librarianship

Journal	N
College & Research Libraries	231
Journal of Academic Librarianship	138
Library Journal	107
Library Trends	90
Library Resources & Technical Services	80
JASIST	73
Library Quarterly	65
Journal of Library Administration	56
Serials Librarian	46

# Journal Co-citation Network of Research Librariansfip
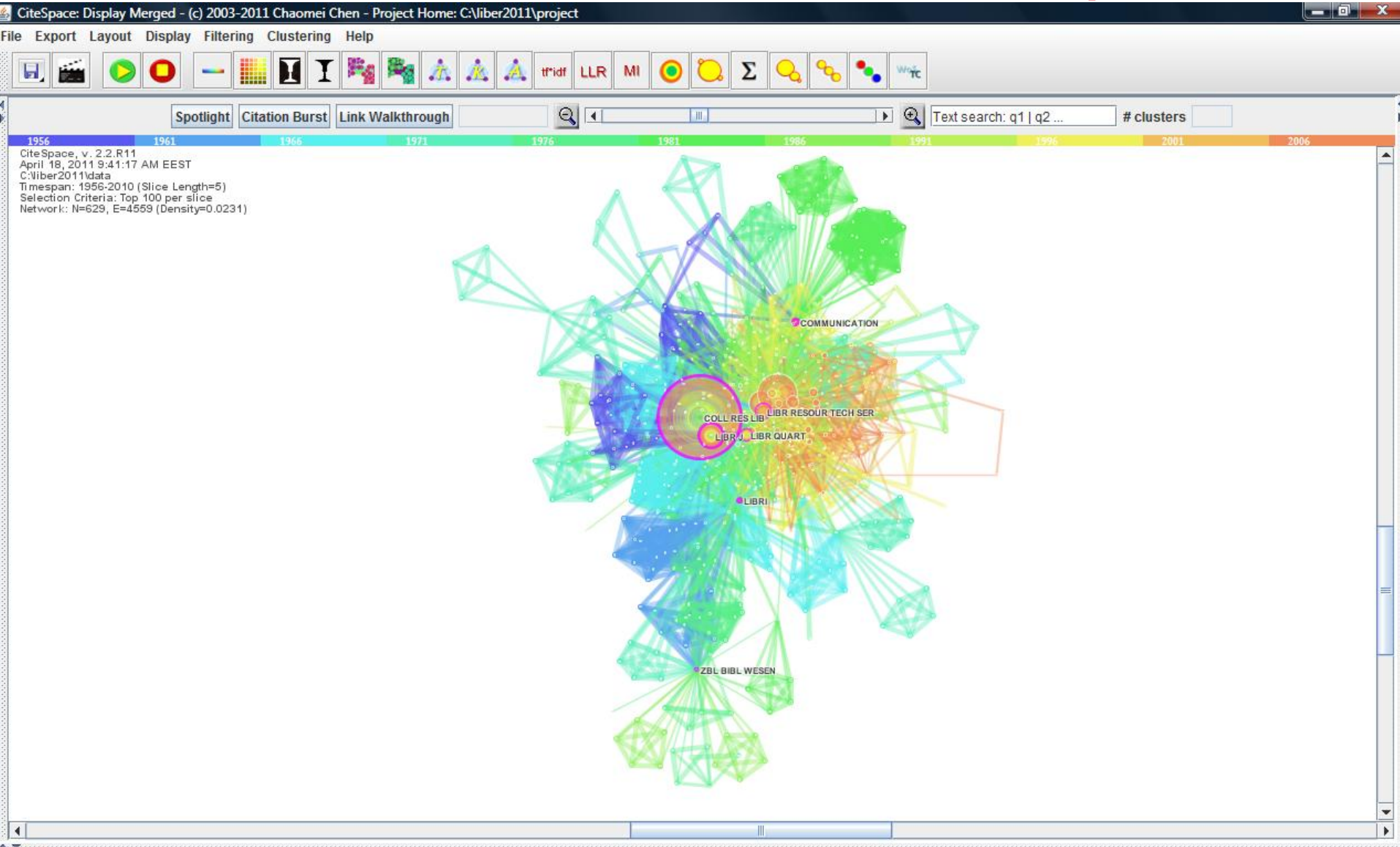
Document Co-citation Network of Research Librariansfip
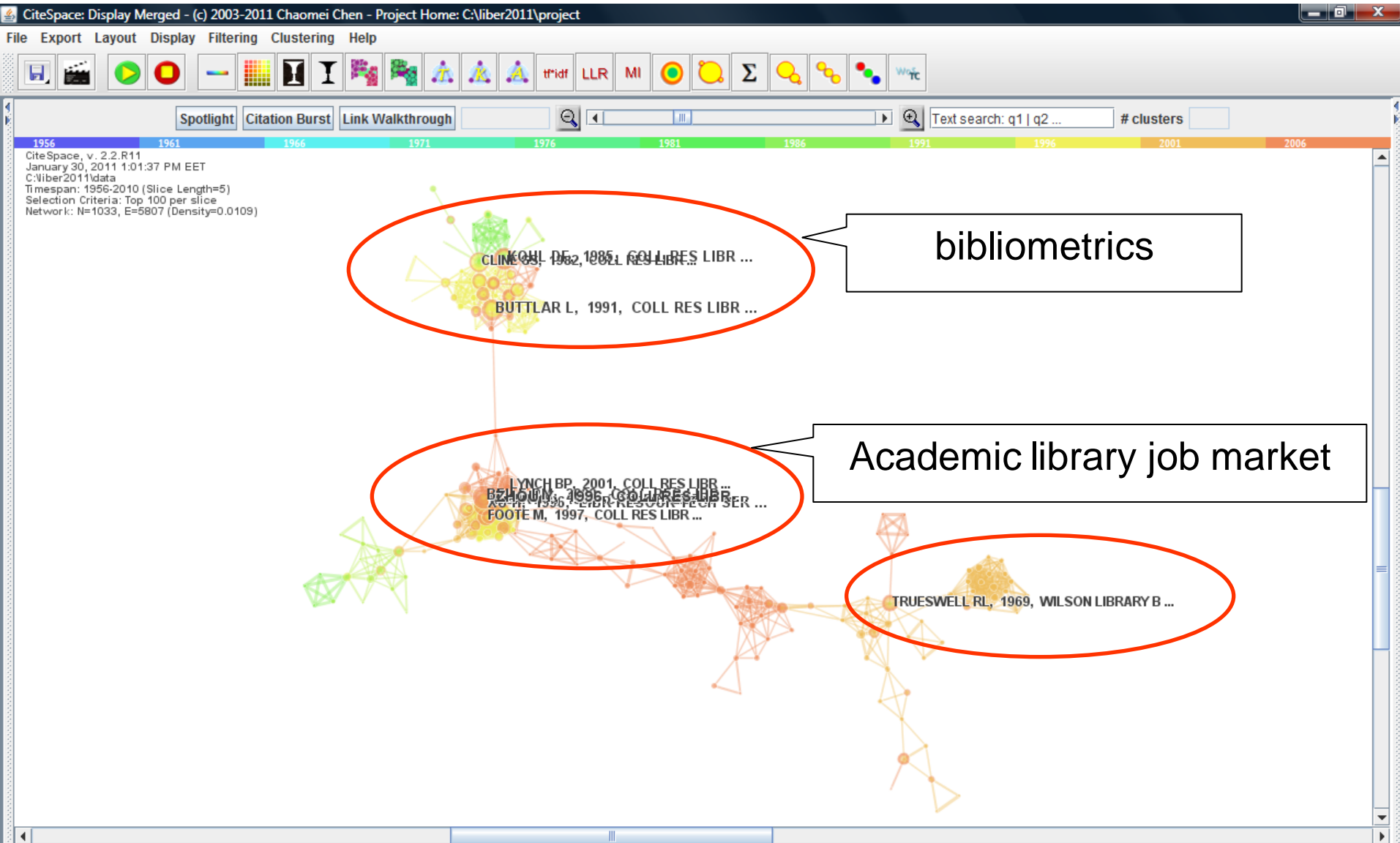
The Most Frequently Used Words in the Abstracts

Words	N
research library	289
collection development	22
electronic resources	19
university library	16
information science	15
ARL library	13
web site	12
document delivery	12
electronic journals	11
digital library	11

Network of Co-occuring Phrases
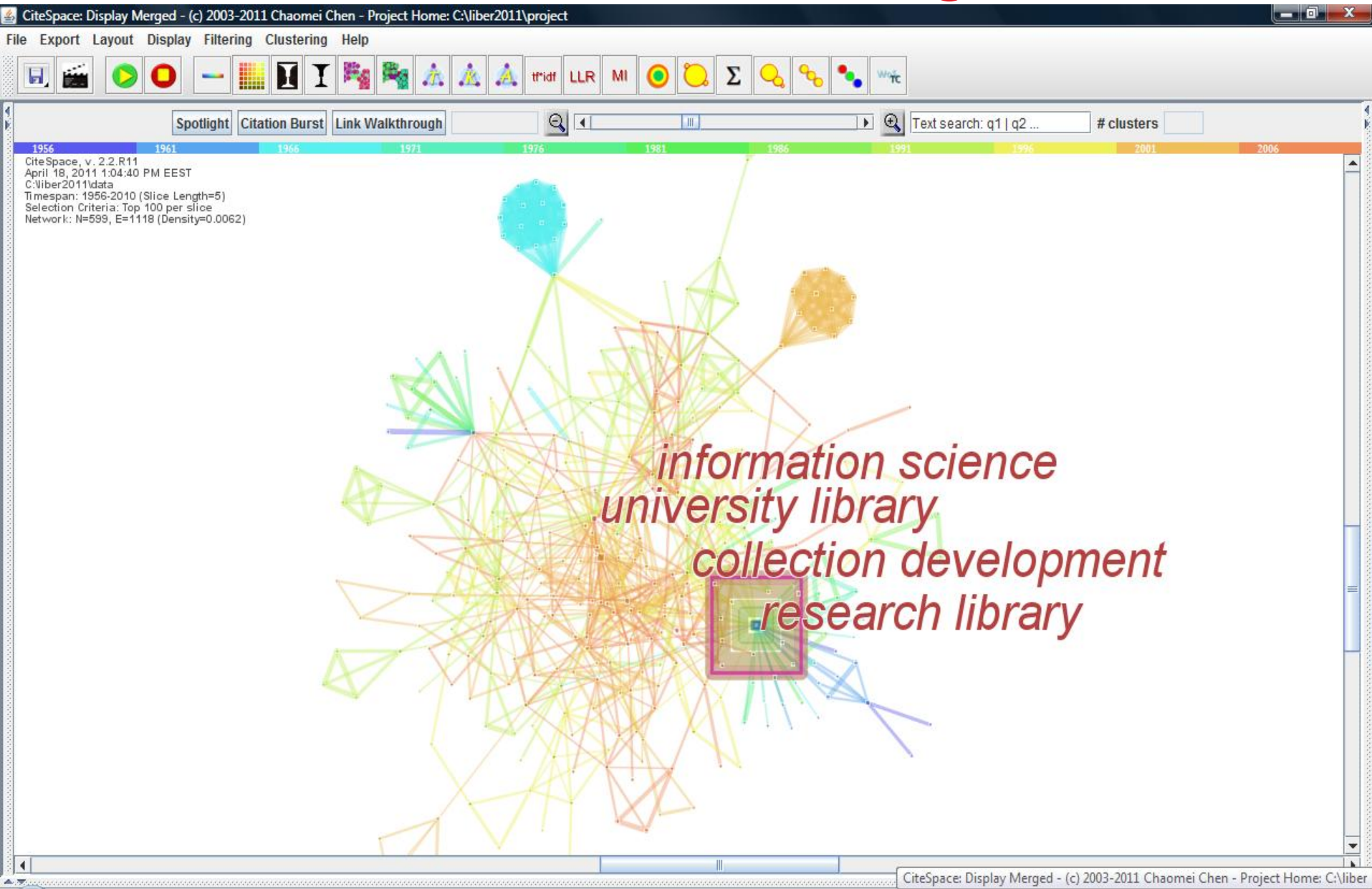
Conclusion

- *College & Research Libraries*
- Association of Research Libraries
- Authors and cited persons are different
- There is not new words in time

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