

Workshop Visualizing and Analyzing Scientific Literature with *CiteSpace*



Chaomei Chen

College of Information Science and Technology
Drexel University

Email: chaomei.chen@cis.drexel.edu



COLLECTING DATA



Web of Science®

Search for:

social networks

in

Topic

Example: oil spill* mediterranean

AND

in

Author

Example: O'Brian C* OR OBrian C*

Need help finding papers by an author? Use [Author Finder](#).

AND

in

Publication Name

Example: Cancer* OR Journal of Cancer Research and Clinical Oncology

[Add Another Field >>](#)

Search

Clear

Current Limits: [\[Hide Limits and Settings\]](#) (To save these permanently, [sign in or register.](#))

Timespan:



All Years

(updated 2009-03-07)



From

1980

to

2009

(default is all years)

Citation Databases:



Science Citation Index Expanded (SCI-EXPANDED)--1980-present



Social Sciences Citation Index (SSCI)--1980-present



Arts & Humanities Citation Index (A&HCI)--1980-present

View in

[简体中文](#)

[English](#)

Please give us your [feedback](#) on using ISI Web of Knowledge.

[Acceptable Use Policy](#)
Copyright © 2008 Thomson Reuters

Maintenance Alert

Thomson Reuters will be performing maintenance to the ISI Web of Knowledge this coming Sunday, March 8th, 2009. This maintenance will start at 10:00 am EST and is expected to last for approximately 1 hour. During this time, the Saved Search Histories feature will be unavailable. We apologize for any inconvenience that this might cause

Looking for ISI Proceedings?

It is now searchable from within Web of Science as the *Conference Proceedings Citation Index*.

[More information.](#)

Note: Times Cited counts now include proceedings citations.

[More information.](#)

Discover Web of Science

Explore the world's leading citation database with multidisciplinary coverage of over 10,000 high-impact journals in the sciences, social sciences, and arts and humanities, as well as international proceedings coverage for over 120,000 conferences. Powerful tools include cited reference searching, Citation Maps, and the Analyze Tool.

- [Want to know more?](#)
- [Training in multiple languages](#)

All Databases

Select a Database

Web of Science

Additional Resources

[Search](#)

[Cited Reference Search](#)

[Advanced Search](#)

[Search History](#)

[Marked List \(0\)](#)

Web of Science®

Results

Topic=(social networks)

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

Scientific WebPlus^{BETA} [View Web Results >>](#)

Results: **12,831**

Page 1 of 1,284 [Go](#)

Sort by: Latest Date

[Print](#) |
 [E-mail](#) |
 [Add to Marked List](#) |
 [Save to EndNote Web](#)

[Save to EndNote, RefMan, ProCite](#) |
 [more options](#)

[Analyze Results](#)

Citation Report feature not available.

[\[?\]](#)

Refine Results

Search within results for

[Search](#)

Subject Areas

[Refine](#)

- ☐ SOCIOLOGY (1,815)
- ☐ PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (1,058)
- ☐ MANAGEMENT (842)
- ☐ BUSINESS (588)
- ☐ GEOGRAPHY (554)
- [more options / values...](#)

Document Types

[Refine](#)

- ☐ ARTICLE (9,873)
- ☐ PROCEEDINGS PAPER (1,482)
- ☐ REVIEW (799)
- ☐ BOOK REVIEW (291)
- ☐ EDITORIAL MATERIAL (195)
- [more options / values...](#)

Authors

Source Titles

Publication Years

Institutions

Languages

- ☐ 1. Title: "SOCIOMATICS": THE STUDY OF COMPLEX ADAPTIVE SYSTEMS IN THE SOCIOECONOMIC ENVIRONMENT
 Author(s): Castaneda G
 Source: TRIMESTRE ECONOMICO Volume: 76 Issue: 1 Pages: 5-64 Published: JAN-MAR 2009
 Times Cited: 0
[SFX](#)
- ☐ 2. Title: Paradigms, exemplars and social change
 Author(s): Lawson HA
 Source: SPORT EDUCATION AND SOCIETY Volume: 14 Issue: 1 Pages: 97-119 Published: 2009
 Times Cited: 0
[SFX](#)
- ☐ 3. Title: Fragile and Resilient Trust: Risk and Uncertainty in Negotiated and Reciprocal Exchange
 Author(s): Molm LD, Schaefer DR, Collett JL
 Source: SOCIOLOGICAL THEORY Volume: 27 Issue: 1 Pages: 1-32 Published: MAR 2009
 Times Cited: 0
[SFX](#)
- ☐ 4. Title: The Meaning Structure of Social Networks
 Author(s): Fuhse JA
 Source: SOCIOLOGICAL THEORY Volume: 27 Issue: 1 Pages: 51-73 Published: MAR 2009
 Times Cited: 0
[SFX](#)
- ☐ 5. Title: HIV and HCV discordant injecting partners and their association to drug equipment sharing
 Author(s): De P, Cox J, Boivin JF, et al.
 Source: SCANDINAVIAN JOURNAL OF INFECTIOUS DISEASES Volume: 41 Issue: 3 Pages: 206-214 Published: 2009
 Times Cited: 0
[SFX](#)

Web of Science®

[<< Back to previous](#)

Results

Topic=(social networks)

Refined by: Document Type=(ARTICLE)

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

Results: **9,873**

[<<](#) Page of 988 [Go](#) [▶▶](#)

Sort by: [Latest Date](#) ▼

[Print](#) |
 [E-mail](#) |
 [Add to Marked List](#) |
 [Save to EndNote Web](#) |
 [Save to EndNote, RefMan, ProCite](#)

[more options](#)

[Analyze Results](#)
[Create Citation Report](#)

Refine Results

Search within results for

[Search](#)

Subject Areas

[Refine](#)

- ☐ SOCIOLOGY (1,355)
- ☐ PUBLIC, ENVIRONMENTAL & OCCUPATIONAL HEALTH (890)
- ☐ MANAGEMENT (838)
- ☐ PSYCHIATRY (452)
- ☐ BUSINESS (413)

[more options / values...](#)

Document Types

[Refine](#)

- ☒ ARTICLE (9,873)

Authors

Source Titles

Publication Years

Institutions

Languages

Countries/Territories

For advanced refine options, use

- ☐ 1. Title: [Paradigms, exemplars and social change](#)
 Author(s): Lawson HA
 Source: **SPORT EDUCATION AND SOCIETY** Volume: 14 Issue: 1 Pages: 97-119 Published: 2009
 Times Cited: 0

- ☐ 2. Title: [Fragile and Resilient Trust: Risk and Uncertainty in Negotiated and Reciprocal Exchange](#)
 Author(s): Molm LD, Schaefer DR, Collett JL
 Source: **SOCIOLOGICAL THEORY** Volume: 27 Issue: 1 Pages: 1-32 Published: MAR 2009
 Times Cited: 0

- ☐ 3. Title: [HIV and HCV discordant injecting partners and their association to drug equipment sharing](#)
 Author(s): De P, Cox J, Boivin JF, et al.
 Source: **SCANDINAVIAN JOURNAL OF INFECTIOUS DISEASES** Volume: 41 Issue: 3 Pages: 206-214 Published: 2009
 Times Cited: 0

- ☐ 4. Title: [The General School System as a Universal or a Particular Institution and Its Role in the Formation of Social Capital](#)
 Author(s): Englund T
 Source: **SCANDINAVIAN JOURNAL OF EDUCATIONAL RESEARCH** Volume: 53 Issue: 1 Pages: 17-33 Published: 2009
 Times Cited: 0

- ☐ 5. Title: [Parenting and Social Functioning of Children With and Without Cerebral Palsy](#)
 Author(s): Cunningham SD, Warschawsky S, Thomas PD
 Source: **REHABILITATION PSYCHOLOGY** Volume: 54 Issue: 1 Pages: 109-115 Published: FEB 2009

9. Title: [Social Network Methodology in the Study of Disasters: Issues and Insights Prompted by Post-Katrina Research](#)
Author(s): Varda DM, Forgette R, Banks D, et al.
Source: **POPULATION RESEARCH AND POLICY REVIEW** Volume: 28 Issue: 1 Pages: 11-29 Published: FEB 2009
Times Cited: 0

10. Title: [Before, Now, and After: Assessing Hurricane Katrina Relief](#)
Author(s): Forgette R, Dettrey B, Van Boening M, et al.
Source: **POPULATION RESEARCH AND POLICY REVIEW** Volume: 28 Issue: 1 Pages: 31-44 Published: FEB 2009
Times Cited: 0
 [Full Text](#)

Results: **9,873** Show 10 per page ▾

◀◀ Page 1 of 988 Go ▶▶

Sort by: Latest Date ▾

Output Records

Step 1:

- ☐ Selected Records on page
☐ All records on page
☒ Records 1 to 100

Step 2:

- ☐ Authors, Title, Source
☒ plus Abstract
☒ Full Record
☒ plus Cited Reference

Step 3: [\[How do I export to bibliographic management software?\]](#)

[Print](#) [E-mail](#) [Add to Marked List](#) [Save to EndNote Web](#)
[Save to EndNote, RefMan, ProCite](#)

Save to Plain Text ▾
Save to other Reference Software
Save to BibTeX
Save to HTML
Save to Plain Text
Save to Tab-delimited (Win)
Save to Tab-delimited (Mac)

[Save](#)

9,873 records matched your query of the 31,444,760 in the data limits you selected.

View in [简体中文](#) [English](#)

Please give us your [feedback](#) on using ISI Web of Knowledge.

[Acceptable Use Policy](#)
Copyright © 2008 Thomson Reuters



THOMSON REUTERS

Published by Thomson Reuters

Processing Records

Please wait while your request is processed.
(Note: Depending on the number of records, this may take a few moments.)

Product: Web of Science

Selected action: Save to File

Processing 100 records:

10...20...30...40...50...60...70...80...90...100...Done.

[Save](#)

If the "Save As" dialog does not appear automatically, then click "Save" to download the records.

[Back to Results](#)

When you are done saving the file, click "Back to Results."

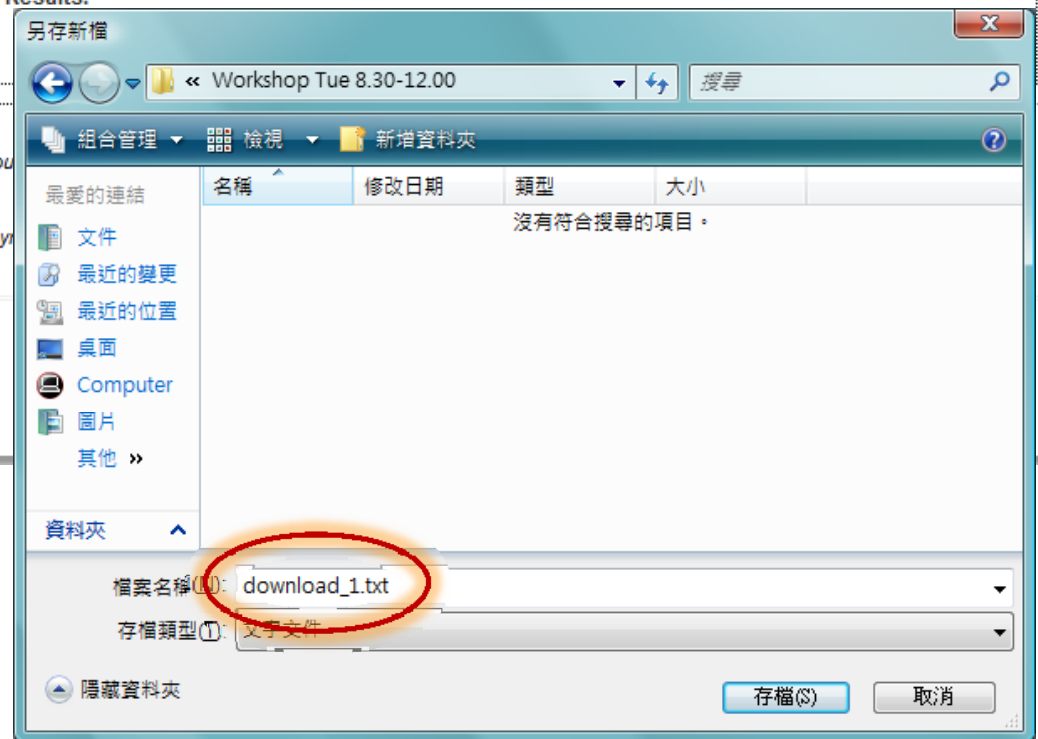
Please give us your

Copy



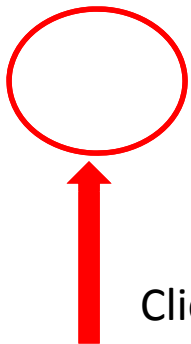
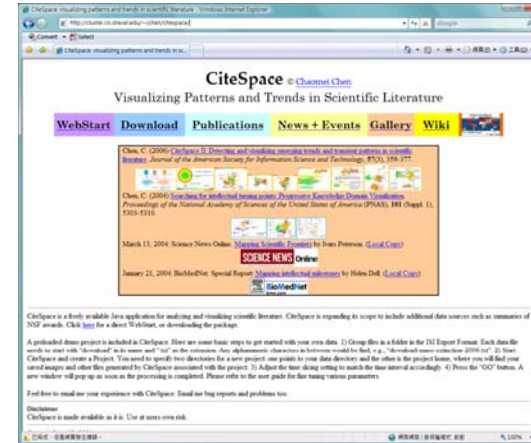
THOMSON REUTERS

Published by Thomson Reuters

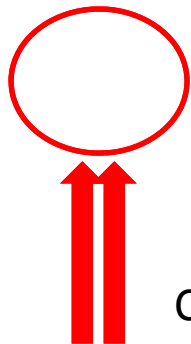


GETTING STARTED

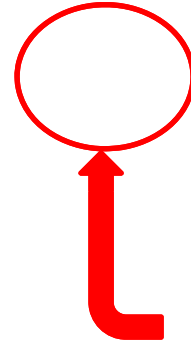
<http://cluster.cis.drexel.edu/~cchen/citespace/>



Click once



Click twice



Right click

CiteSpace: visualizing patterns and trends in scientific literature - Windows Internet Explorer

http://cluster.cis.drexel.edu/~cchen/citespace/

Convert Select

CiteSpace: visualizing patterns and trends in sc...

CiteSpace © Chaomei Chen

Visualizing Patterns and Trends in Scientific Literature

WebStart Download Publications News + Events Gallery Wiki

Chen, C. (2006) [CiteSpace II: Detecting and visualizing emerging trends and transient patterns in scientific literature](#). *Journal of the American Society for Information Science and Technology*, 57(3), 359-377.

Chen, C. (2004) [Searching for intellectual turning points: Progressive Knowledge Domain Visualization](#). *Proceedings of the National Academy of Sciences of the United States of America (PNAS)*, 101 (Suppl. 1), 5303-5310.

March 13, 2004: Science News Online. [Mapping Scientific Frontiers](#) by Ivars Peterson. ([Local Copy](#))

January 21, 2004: BioMedNet. Special Report: [Mapping intellectual milestones](#) by Helen Dell. ([Local Copy](#))

CiteSpace is a freely available Java application for analyzing and visualizing scientific literature. CiteSpace is expanding its scope to include additional data sources such as summaries of NSF awards. Click [here](#) for a direct WebStart, or downloading the package.

A preloaded demo project is included in CiteSpace. Here are some basic steps to get started with your own data. 1) Group files in a folder in the ISI Export Format. Each data file needs to start with "download" in its name and ".txt" as the extension. Any alphanumeric characters in between would be find, e.g., "download-mass-extinction-2006.txt". 2) Start CiteSpace and create a Project. You need to specify two directories for a new project: one points to your data directory and the other is the project home, where you will find your saved images and other files generated by CiteSpace associated with the project. 3) Adjust the time slicing setting to match the time interval accordingly. 4) Press the "GO" button. A new window will pop up as soon as the processing is completed. Please refer to the user guide for fine tuning various parameters.

Feel free to email me your experience with CiteSpace. Email me bug reports and problems too.

Disclaimer
CiteSpace is made available as it is. Use at users own risk.

Created: Sept 13, 2004
Last Updated: Sept 30, 2007
(c) 2004-2007 Chaomei Chen. All rights reserved.
See also: www.pages.drexel.edu/~cc345

已完成，但是網頁發生錯誤。

網路網路 | 受保護模式: 啟動

100%

