

Do It Yourself Research Analysis

操之在己之學術研究分析

— Practical Use of InCites Benchmarking & Analytics

Joint Library of Humanities and Social Sciences, Academia Sinica

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- Definition
- At a Glance of InCites

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- Custom Datasets
- Co-Word Analysis
- Bibliometric Study

01



Introduction

- **Benefit**
- **Definition**
- **At a Glance of InCites**

TAIWAN





Benefit

Clarivate

EnglishProducts

Web of Science™SearchMarked ListHistoryAlertsmagy

Discover multidisciplinary content
from the world's most trusted global citation database.

Search in: Web of Science Core Collection Editions: All

DOCUMENTSAUTHORS

All Fields

Example: liver disease india singh

And

All Fields

Example: liver disease india singh

Publication Date

All years (1900 - 2021)

+ Add row

Advanced Search

ClearSearch

27?



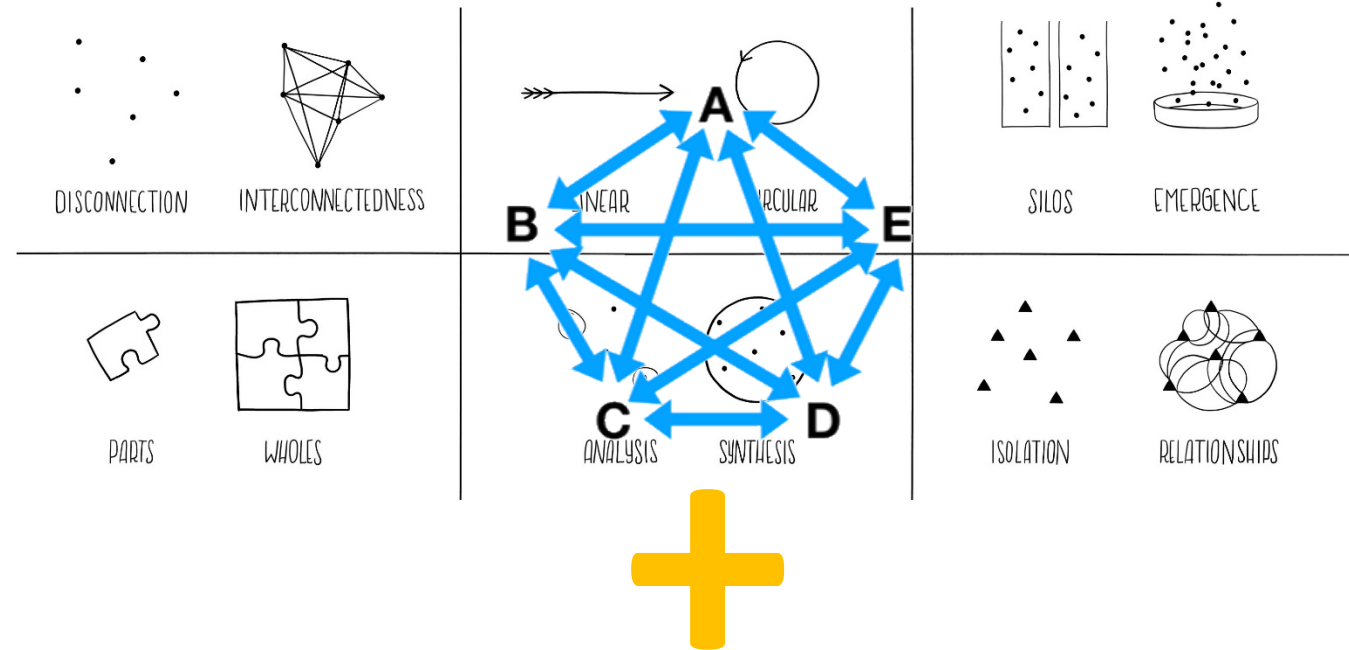
How many papers can you skim or scan?

An aerial photograph of a dense forest. The trees are mostly green, with some showing yellow and orange hues, suggesting autumn. The forest is dense and covers the entire background.

**“Miss the forest for the
trees...”**

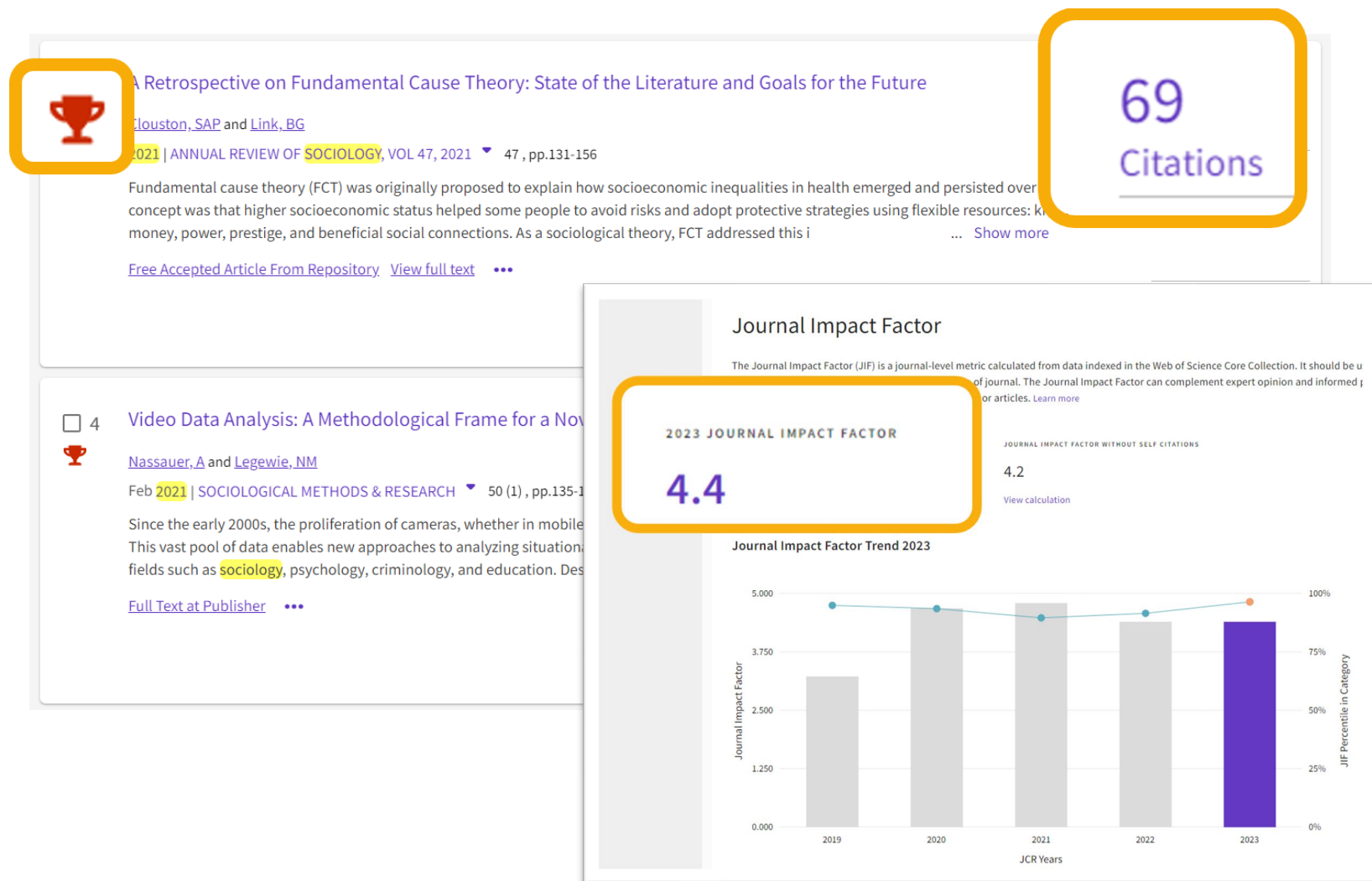
Benefit - The forest and the trees

This presentations are not a special theory or method, but provide different perspectives to observe and find about the development of the research field by using convenient database and analysis tools. Thereby, hope to help researchers insight or inspire possible directions for academic research.



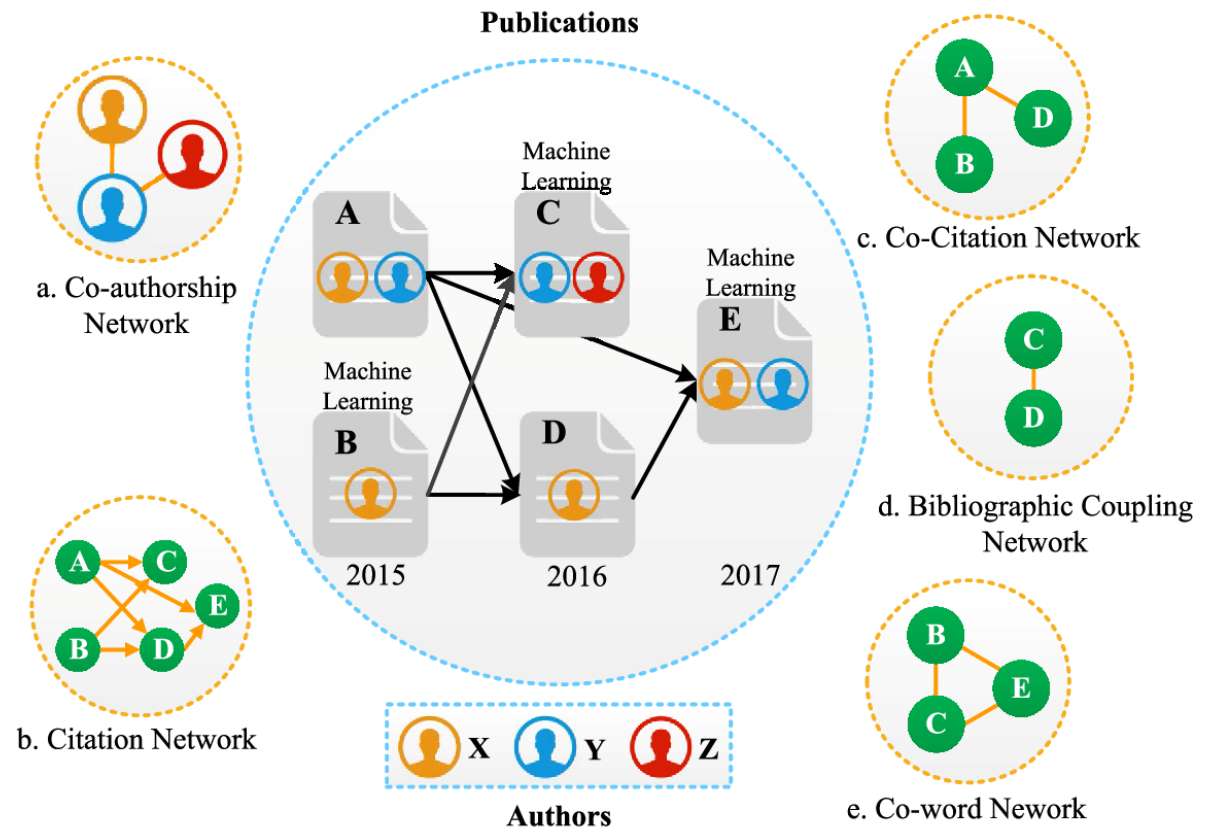
Definition - **Bibliometrics** a set of methods to quantitatively analyze scholarly literature

Bibliometrics is the quantitative method of citation and content analysis for scholarly journals, books and researchers. The quantitative impact of a given publication is appraised by measuring the amount of times a certain work is cited by other resources °



Definition - Social Network Analysis

Social network analysis (SNA) is the process of investigating social structures through the use of networks and graph theory. It characterizes networked structures in terms of nodes (individual actors, people, or things within the network) and the ties, edges, or links (relationships or interactions) that connect them.



Kong, X., Shi, Y., Yu, S., Liu, J., & Xia, F. (2019). Academic social networks: Modeling, analysis, mining and applications. *J. Netw. Comput. Appl.*, 132, 86-103. <https://doi.org/10.1016/j.jnca.2019.01.029>

Further Information

Institution's License

[Academia Sinica](#)

National Taiwan University

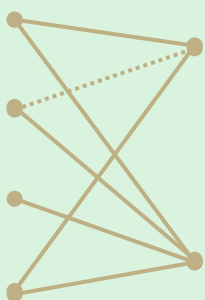
National Cheng Chi University

National Tsing Hua University

Databases

InCites (Clarivate)

SciVal (Elsevier)



[InCites training resources](#)

- InCites at-a-glance
- InCites user guide
- Self-guided learning
- Live training

註：

1. SciVal's source is from Scopus. Academia Sinica doesn't subscribe to Scopus.
2. Academic Affairs and Instrument Service subscribes 3 modules of SciVal: Overview、Benchmarking、Collaboration, not including Trends
3. Similar Chinese databases：國家圖書館「臺灣人文及社會科學引文索引資料庫」、華藝「學術引用文獻資料庫」,etc.

InCites Benchmarking & Analytics, 簡稱 InCites

InCites Source Data :

selected **Web of Science Core Collection** data

Year : **1980** – present

Updated Frequency : **Monthly**

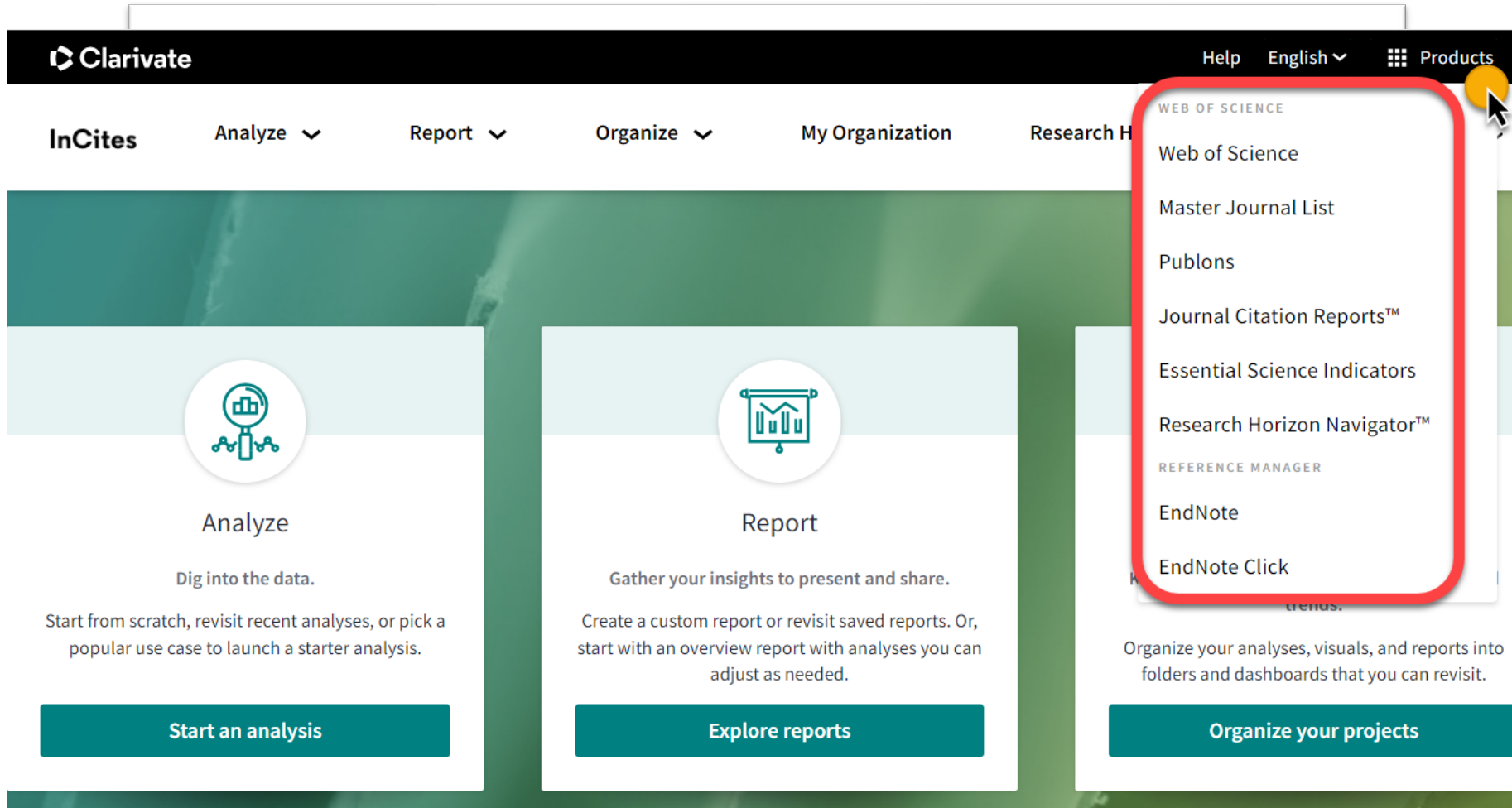
What core collections that Academia Sinica can use in Web of Science?

Updated Frequency. **Daily**

The screenshot displays the Clarivate Web of Science search interface. At the top, the Clarivate logo and 'Web of Science' text are visible. Below this, there are tabs for 'DOCUMENTS' and 'RESEARCHERS'. A search bar is present with the text 'Search in: Web of Science Core Collection' and a dropdown menu for 'Editions: All'. A red box highlights a list of core collections, including 'Science Citation Index Expanded (SCI-EXPANDED)--1900-present', 'Social Sciences Citation Index (SSCI)--1900-present', 'Arts & Humanities Citation Index (AHCI)--1975-present', 'Book Citation Index - Science (BKCI-S)--2005-present', 'Book Citation Index - Social Sciences & Humanities (BKCI-SSH)--2005-present', 'Emerging Sources Citation Index (ESCI)--2019-present', 'Current Chemical Reactions (CCR-EXPANDED)--1985-present', and 'Index Chemicus (IC)--1993-present'. The 'Book Citation Index - Science (BKCI-S)--2005-present' is currently selected. Below the list, there are input fields for 'Topic' and 'Example: oil sp', along with buttons for '+ Add row', '+ Add date range', and 'Advanced search'. A 'Search' button is located at the bottom right of the interface.

InCites – Register / Sign in

<https://incites.clarivate.com>



- Register an account within the IP domain and by Email Address of Academia Sinica.
- Set up [VPN Service](#) when outside Academia Sinica.
- Use the same login account and password as Web of Science, Journal Citation Report, EndNote, etc.

InCites – Landing page

The screenshot displays the InCites landing page with a dark header bar containing the Clarivate logo and navigation links for Help, English, and Products. Below the header, a secondary navigation bar includes 'InCites', 'Analyze', 'Report', 'Organize', 'My Organization', and 'Research Horizon Navigator™'. The user's email, 'chiuhsun@gate.sinica.edu.tw', is shown in the top right.

The main content area features three large cards for 'Analyze', 'Report', and 'Organize'. Each card has an icon, a title, a brief description, and a primary action button. A red arrow points to the 'Start an analysis' button in the Analyze card.

Analyze
Dig into the data.
Start from scratch, revisit recent analyses, or pick a popular use case to launch a starter analysis.
Start an analysis

Report
Gather your insights to present and share.
Create a custom report or revisit saved reports. Or, start with an overview report with analyses you can adjust as needed.
Explore reports

Organize
Keep tabs on multiple research questions and trends.
Organize your analyses, visuals, and reports into folders and dashboards that you can revisit.
Organize your projects

ANALYZE BY...

- Researchers
- Organizations
- Departments
- Locations
- Research Areas
- Publication Sources
- Funding Agencies

OVERVIEW REPORTS

- Organization Report
- Researcher Report
- Department Report
- Publisher Report
- Funder Report

ORGANIZE BY...

- Folders
- Dashboard

InCites – Demo for Basic

Analyze by Publication Source

→ Source Name = Scientometrics

■ Filters

- Publication Date
- Document Type
- Research Area
- Author position (2008–2023)
- JIF Quartile only for publication date 1997–

■ Indicators

■ Baselines

■ Download csv

Working with the data table

Choose your analysis type

Add filters, indicators & baselines

Select your dataset and publication years

Thresholds are available for certain filters

Click the filter name to view

Use check boxes to select, include, exclude and pin results from the table

Clear filters

Click Visual to choose a visualization for your analysis

Download your results data, including annual trend, as a CSV file

Sort and move columns

View document lists with key article-level metrics, then refocus your analysis if needed

The screenshot displays the InCites web interface. The top navigation bar includes links for Web of Science, InCites, Journal Citation Reports, Essential Science Indicators, EndNote, and Publius. The main header shows 'InCites' and navigation tabs for Analyze, Report, Organize, and My Organization. Below this, there's a section for 'Organizations' with a dropdown menu showing 'e.g. University of Toronto'. The 'Time Period' is set to '2015-2019', 'Organization Type' is 'Academic', 'Schema' is 'Web of Science', and 'Research Area' is 'CELL BIOLOGY'. A 'Clear all filters' button is visible. The main table displays '4,156 organizations (224,952 documents)' and is sorted by 'Times Cited'. The table columns include Organization Name, Rank, Web of Science Documents, Times Cited, % Documents Cited, and Category Normalized Citation Impact. A modal window titled 'Web of Science Documents' is open, showing a filter by 'Web of Science Documents' with a range from 0 to 1571296. The modal has 'Cancel' and 'Update results' buttons. A sidebar on the left lists various filters like Publication Date, Document Type, Research Area, Author position, and JIF Quartile. Annotations with arrows point to these filters and other interface elements like the 'Visual' button and the 'Download' button.

Organization Name	Rank	Web of Science Documents	Times Cited	% Documents Cited	Category Normalized Citation Impact
Harvard University	1	7,467	239,477	83.38%	2.47
Massachusetts Institute of Technology (MIT)	2	2,198	109,756	86.85%	3.61
Stanford University	3	2,833	84,686	76.02%	2.32
University of California San Francisco	4	2,675	84,560	75.29%	2.35
University of California San Diego	5	2,859	70,579	71.62%	1.98
University of Pennsylvania	6	2,598	66,068	70.90%	3.34
University of Pennsylvania	7	2,715	65,697	73.74%	1.96
University of Cambridge	8	2,154	62,930	88.62%	2.21
	9	2,148	62,337	76.49%	2.21
	10	2,625	59,011	79.92%	1.81
	11	2,010	51,594	86.37%	2.23
	12	2,081	50,442	79.39%	1.82
	13	1,860	50,346	89.68%	1.96
	14	1,546	50,315	85.45%	2.53
	15	2,044	50,102	86.99%	1.76
	16	2,283	49,255	74.32%	1.68
	17	1,730	48,751	79.88%	2.05
	18	1,866	48,486	76.58%	2.03
	19	3,248	48,181	92.64%	1.19
	20	1,881	47,910	89.42%	1.9
	21	1,453	47,487	82.24%	2.44
	22	1,588	46,217	77.2%	2.01
	23	1,537	41,589	81.65%	2.1
	24	1,686	41,198	86.2%	1.72
				9%	1.26

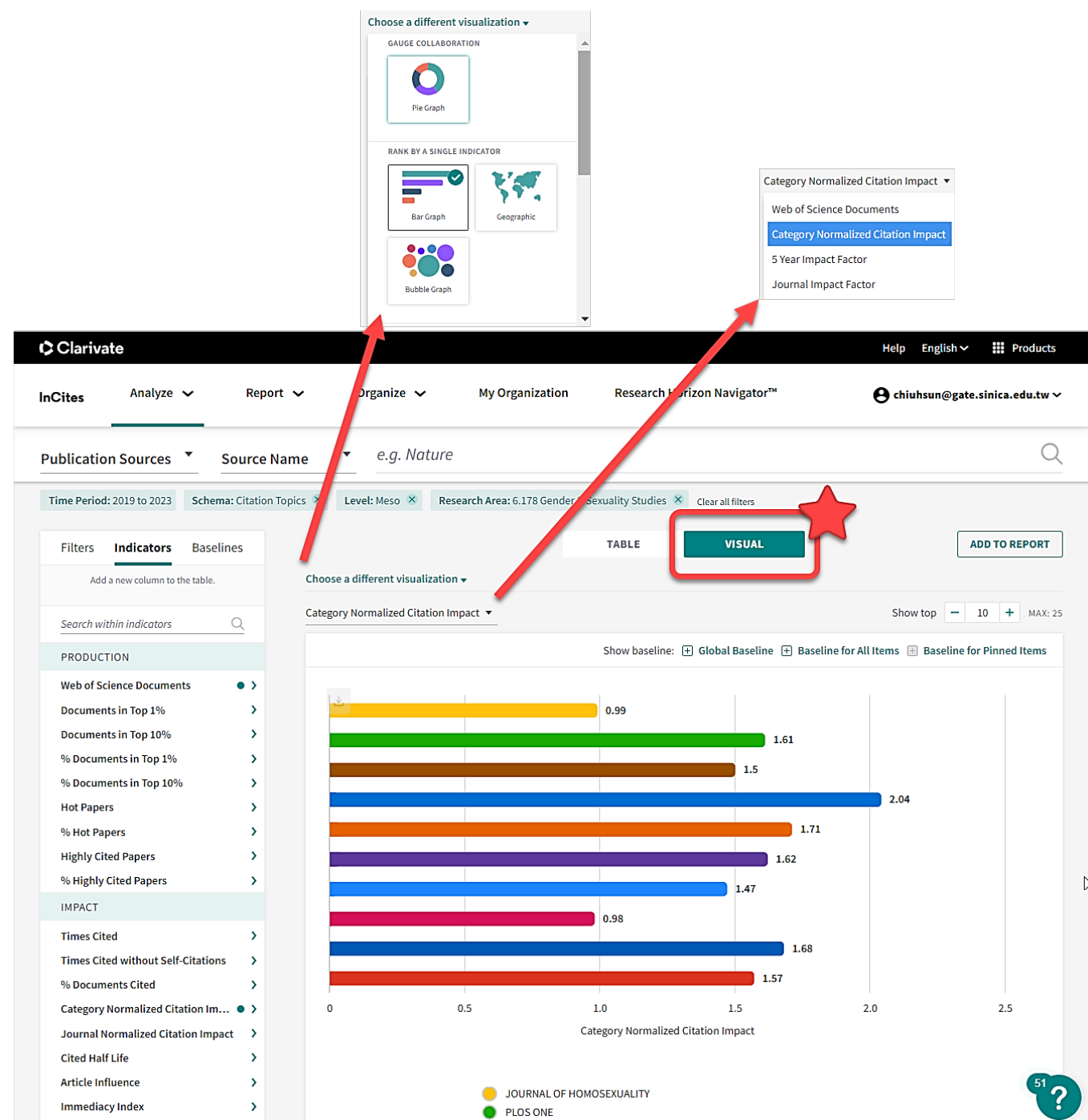
InCites – Demo for VISUAL

Analyze by Publication Sources

Filters

- Publication Date: 2019–2023
- Document Type: Article 、 Review
- Research Area: Citation Topics for
Meso level = Gender & Sexuality
Studies

Visualization data according to your selected
Indicators





Research Area Schemas

Clarivate

English

Products

Web of Science™

Search

Chiu-Hsun Lin

>1 MENU

Home

History

My Library

Alerts

Publications

You may also like...

Search > Results for "social media metrics" (Topic)

194 results from Web of Science Core Collection for:

Search "social media metrics" (Topic)

Search

+ Add Keywords

Quick add keywords: < + SOCIAL MEDIA METRICS + ALTMETRICS + MENDELEY + SOCIETAL IMPACT + DIGITAL METHODS + SOCIAL MEDIA ANALYTICS + >

Copy query link

Refine results

Search within results...

Quick Filters

Review Article

11

Early Access

9

Open Access

91

Enriched Cited References

43

Open publisher-invited reviews

2

Researcher Profiles

Show Researcher Profiles

Costas, Rodrigo

16

Chung, Myojung

6

Zahedi, Zohreh

5

Stefanie Haustein

4

Wouters, Paul

4

See all >

Web of Science Categories

Information Science Library Science

64

Communication

41

Computer Science Interdisciplinary Applic...

25

Business

19

Computer Science Information Systems

12

See all >

Citation Topics Meso

6.238 Bibliometrics, Scientometrics & Res...

68

6.185 Communication

39

6.3 Management

24

1.273 Health Literacy & Telemedicine

18

1.21 Psychiatry

3

See all >

Citation Topics Micro

See all >

0/194

Add To Marked List

Export

Sort by: Relevance

1 of 4

1

Not just numbers: The role of social media metrics in online news evaluations

Chung, M

Oct 2017 | COMPUTERS IN HUMAN BEHAVIOR 75 , pp.949-957

This study examines how social media metrics, as compared to the credibility of news organizations, affect online news evaluations. In a 2 x 2 between-subjects experiment (N = 202), participants read a news story that was reported either by a high credibility news organization, with either an absence or presence of social media metrics. The results indicate that (a) social ... Show more

Full Text at Publisher

38 Citations

63 References

Related records

2

Social media metrics: Third-person perceptions of health information

Stavrositi, CD and Kim, J

Jun 2014 | COMPUTERS IN HUMAN BEHAVIOR 35 , pp.61-67

The present study investigated the role of social media metrics (i.e., number of shares and comments) displayed alongside online news stories in shaping users' perceptions of the content and its influence. In a web-based experiment (N = 144), participants first read a cancer news story that displayed either a high or a low level of social media metrics, then reported their perceived story influ ... Show more

Full Text at Publisher

37 Citations

46 References

Related records

3

Research on differential and interactive impact of China-led and US-led open-access articles

Mingkuo, W; Wei, Q; (-); Savage, R

Feb 2023 | JOURNAL OF INFORMATION SCIENCE 49 (1) , pp.248-260

Enriched Cited References

With the development of Web 2.0, social media dialogue has been increasingly important within the world of open access (OA), striving for more user-generated content and ease of use. In this article, we analysed the impact of OA articles published by both Chinese and the American researchers using PLOS ONE. Papers published in the same year, using citation and social media metrics, were all use ... Show more

View full text

2 Citations

37 References

Related records

4

Social Media Metrics for New Research Evaluation

Wouters, P; Zahedi, Z and Costas, R

2019 | SPRINGER HANDBOOK OF SCIENCE AND TECHNOLOGY INDICATORS , pp.687-713

This chapter approaches, from both a theoretical and practical perspective, the most important principles and conceptual frameworks that can be

42 Citations

106 References

Related records

Research Area Schemas

Web of Science Categories

vs.

InCites Citation Topics

- Journal-level classification.
- Every journal is assigned to at least 1 to 6 subject categories.
- All items in a journal will be assigned the same categories of the journal it is published in.
- Approximately 250 subject areas in science, social sciences, and arts & humanities.

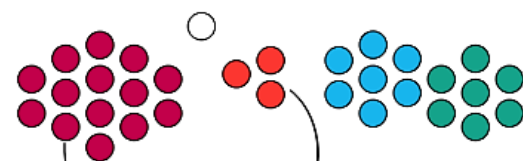
- Document-level classification.
- Documents are only assigned to a single topic.
- Each month, new documents are added to existing topics. A full clustering update is carried out yearly.
- three-level hierarchical classification system : Macro (10 topics) 、Meso (326 topics) 、Micro (2449 topics)

Citation Topic 是指依據文獻引文關係所集結而成的文獻群集。群集演算法是由萊頓大學 (Leiden) 科學技術中心 (CWTS) 開發，並在科睿唯安 (Clarivate) ISI 團隊的管理下實作。其中可產生三個層級的命名主題，使用者可在任何分析之中選擇自己所需的詳細程度。

主題涵蓋 Web of Science 核心合輯自 1980 年以來的所有文獻類型。新文獻會每月新增至現有主題 (依據其引用參考資料)，完整 Citation Topic 主題分類更新則是每年一次。這並不會影響現有主題，但可能會建立新的主題，並將部分文獻重新指派至不同的微觀主題，以確保 Citation Topic 反映基礎文獻的各種變化。

群集

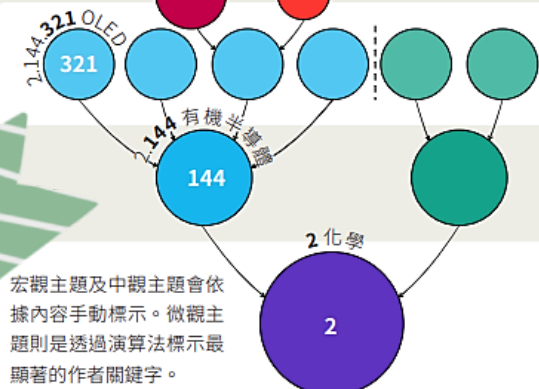
文獻會依據其受引用及參考文獻的關係集結為群集 (包括 1980 年之前文獻的引用)。演算法也納入各項規則，確保將高比例的文獻集結為群集。



精煉

小型群集會反覆結合，直到符合微觀主題 (Micro) 的要求為止。演算法執行確保確實區分主題，再進一步強化將共用相同母體的群集結合在一起。

○ 仍有 5% 以下的文章及綜述並未指派至主題



微觀主題 (Micro) (2444)
相關主題的文獻群集 - 一份文獻只能屬於單一微觀主題

中觀主題 (Meso) (326)
微觀主題 (Micro) 會依據類似規則集結為較大的中觀主題 (Meso)。

宏觀主題 (Macro) (10)
中觀主題 (Meso) 會集結為廣大的宏觀主題 (Macro)。

宏觀主題及中觀主題會依據內容手動標示。微觀主題則是透過演算法標示最顯著的作者關鍵字。

更新

新文獻每月會依據其引用參考資料新增至現有主題，完整的 Citation Topic 更新則是一年一次。



InCites Citation Topics

In Chinese : https://lsl.sinica.edu.tw/EResources/db/files/202078_6.pdf

In English : <https://clarivate.com/webofsciencegroup/wp-content/uploads/sites/2/2021/02/Citation-Topics-Overview-Webinar-Jan2021.pdf>