運用 InCites發掘最新研究前沿

讀者服務組　徐淑倩

113.11.20

課程大綱

- InCites 資料庫簡介
- InCites 研究領域查詢
  - Research Horizon Navigator
  - Research Areas

InCites 資料庫簡介

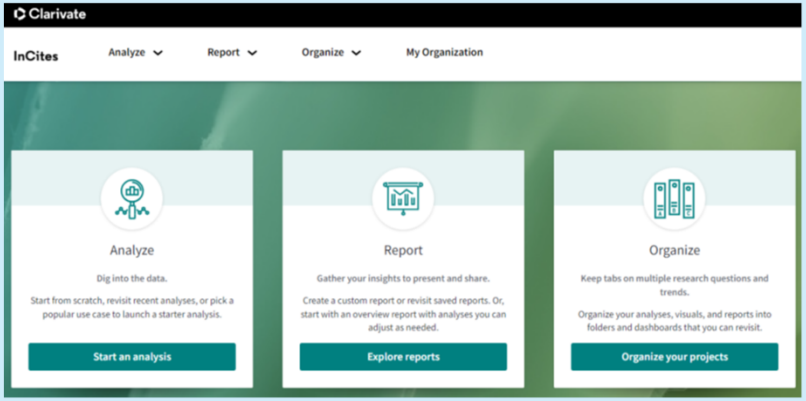
InCites簡介

全方位研究績效分析工具

① 分析機構的科學研究生產力，與全球同儕的科學研究進行基準化分析。

② 客製化的引文數據及多元化指標，可以全面了解研究者/機構的科學研究表現。

③ 可與Web of Science資料庫相互串聯，再利用InCites進行分析。



涵蓋200多個國家與14,000個機構的研究表現

InCites登入

圖資處首頁->常用電子資源->InCites資料庫

請在校園網域內註冊一組個人帳密方可在校內外使用。

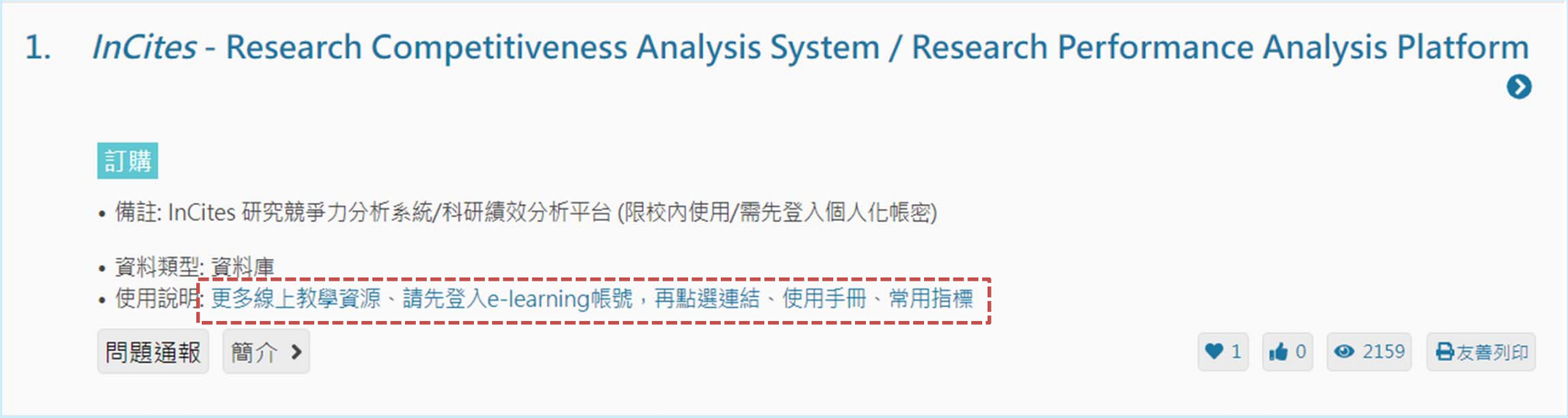
(請使用@kmu.edu.tw註冊)

InCites
WOS
JCR
EndNote

帳密皆為同一組

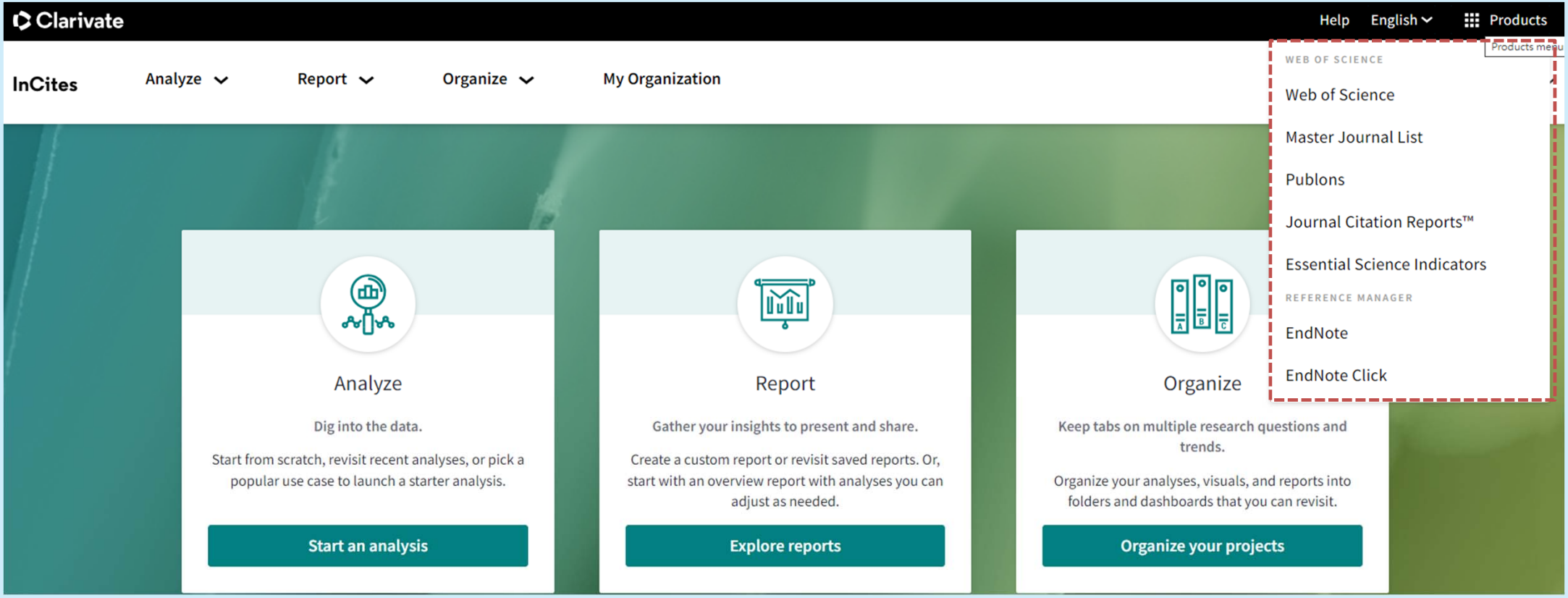
InCites登入

電子資源查詢系統

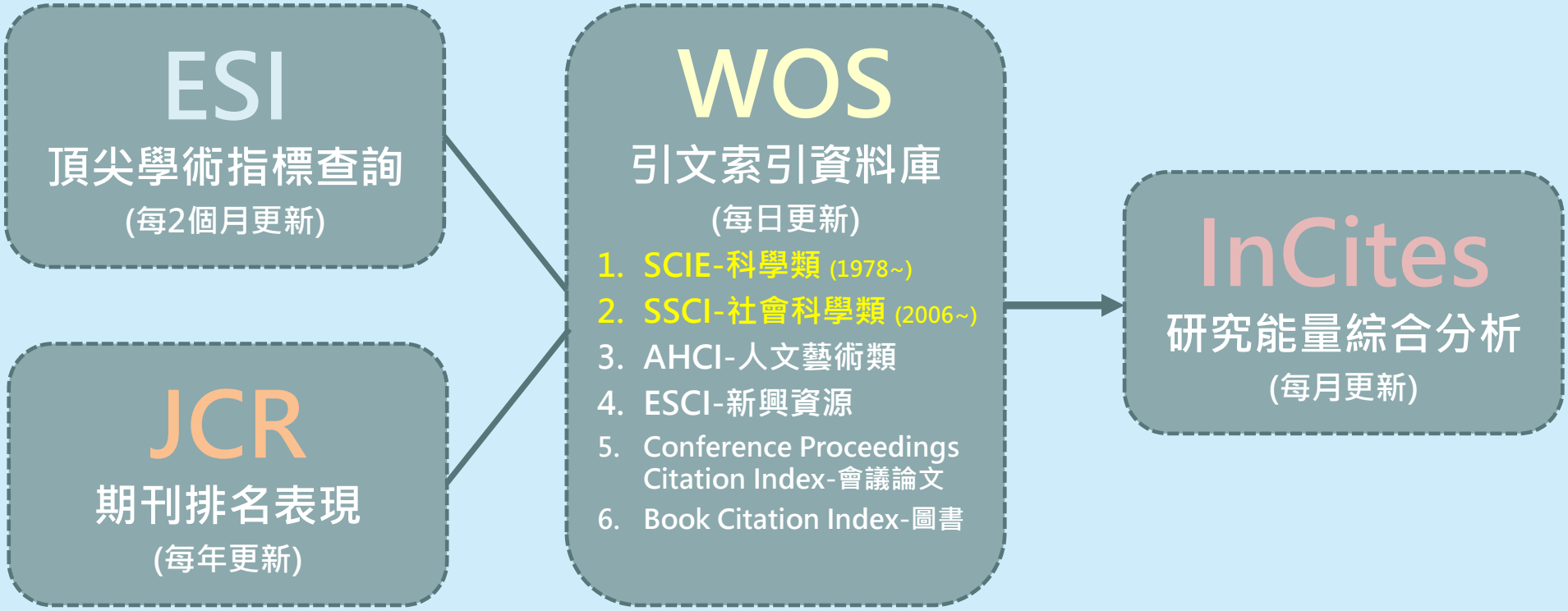


InCites登入

從右上角Products可切換其他資料庫



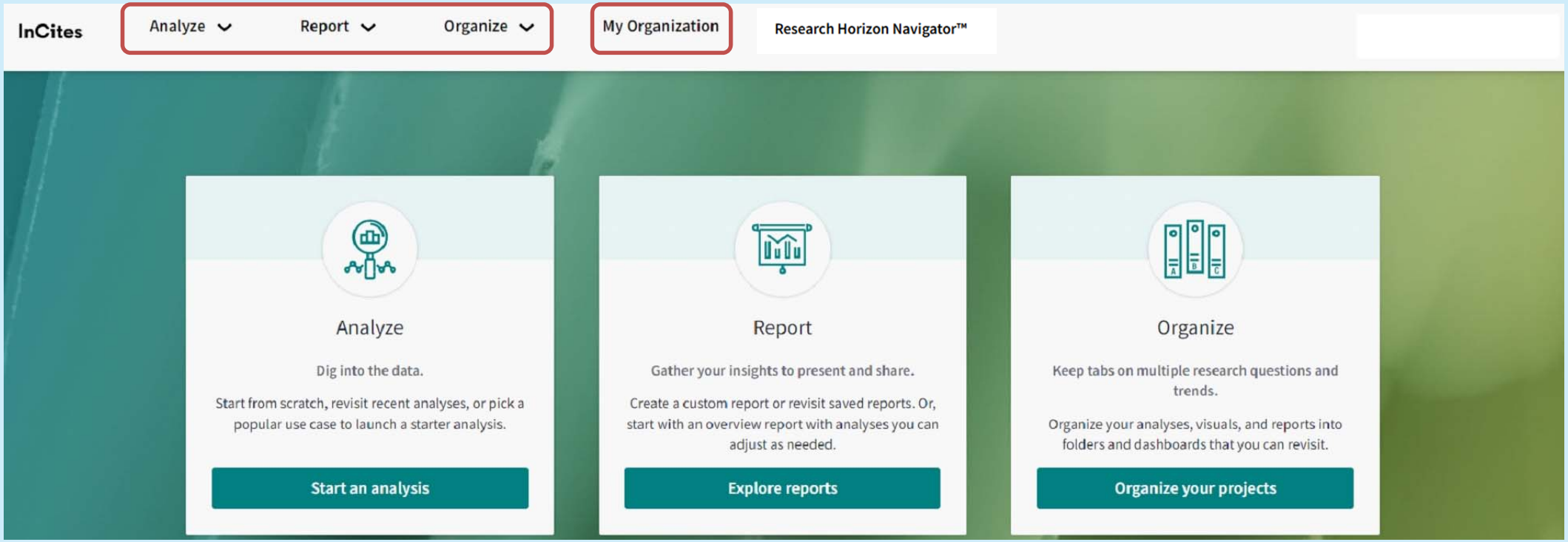
InCites家族


ESI
頂尖學術指標查詢
(每2個月更新)
JCR
期刊排名表現
(每年更新)
WOS
引文索引資料庫
(每日更新)
1. SCIE-科學類 (1978~)
2. SSCI-社會科學類 (2006~)
3. AHCI-人文藝術類
4. ESCI-新興資源
5. Conference Proceedings Citation Index-會議論文
6. Book Citation Index-圖書
InCites
研究能量綜合分析
(每月更新)

平台介面

可從導覽列直接進入各功能

提供2016-2023本校專任教師著作資料



入門分析

創建報告

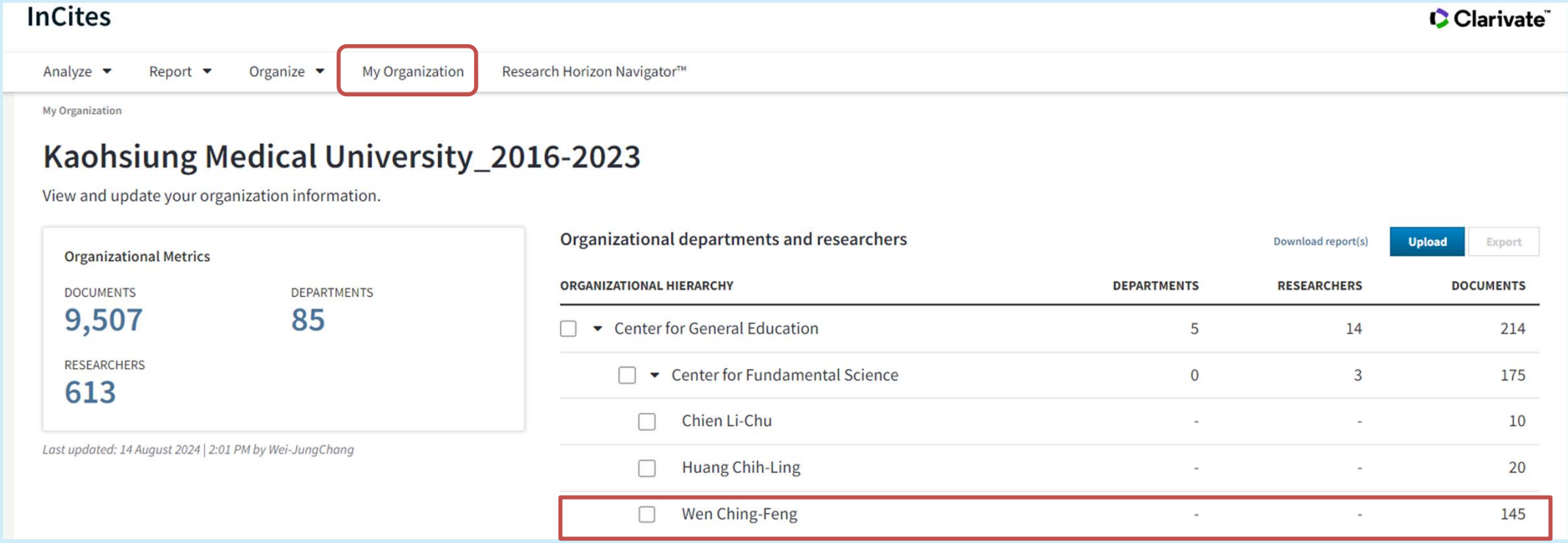
管理個人資料夾

平台介面

- 原廠協助2016-2021年教師著作資料清理
- 2022年之後由研發處統籌(各院系承辦人員)教師著作資料清單，再由圖資處彙整上傳資料

平台介面

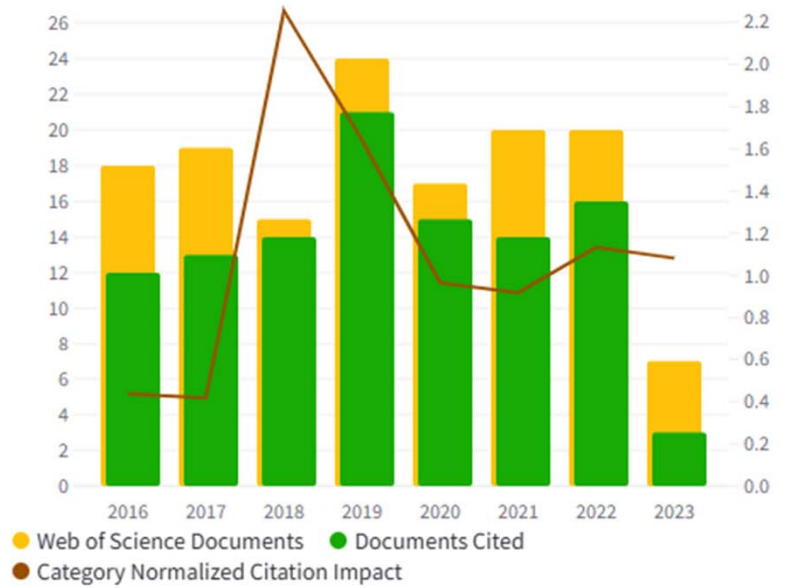
- 可協助教學單位及教師快速產出競爭力分析報告
- 唯年代有其限制(每年8月匯入前一年度資料，如2024/8匯入2023年著作)



Production

Documents Published and Citations per Year

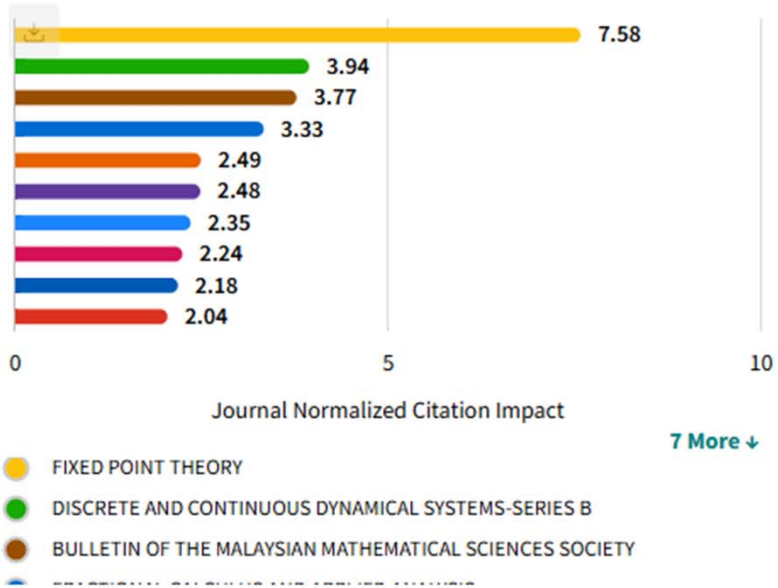
How many citations compared to documents published?



View Data

Journal Normalized Citation Impact by Journal

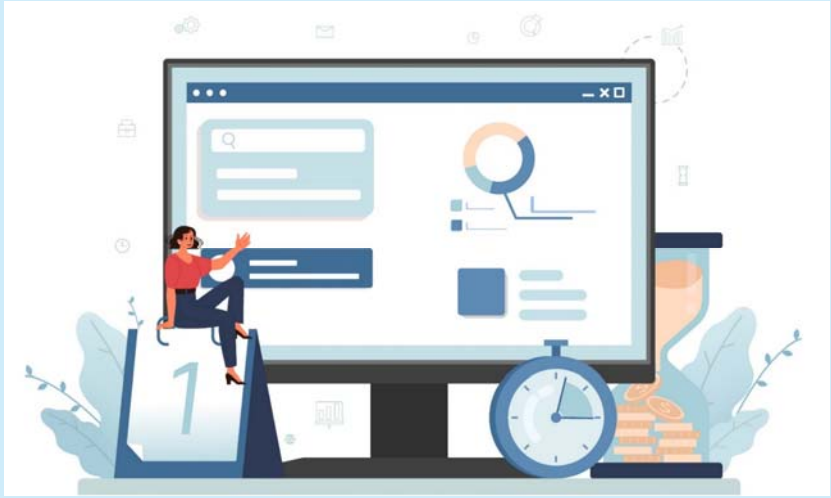
In which high impact journals are the authors' publishing their work?



View Data

常用指標

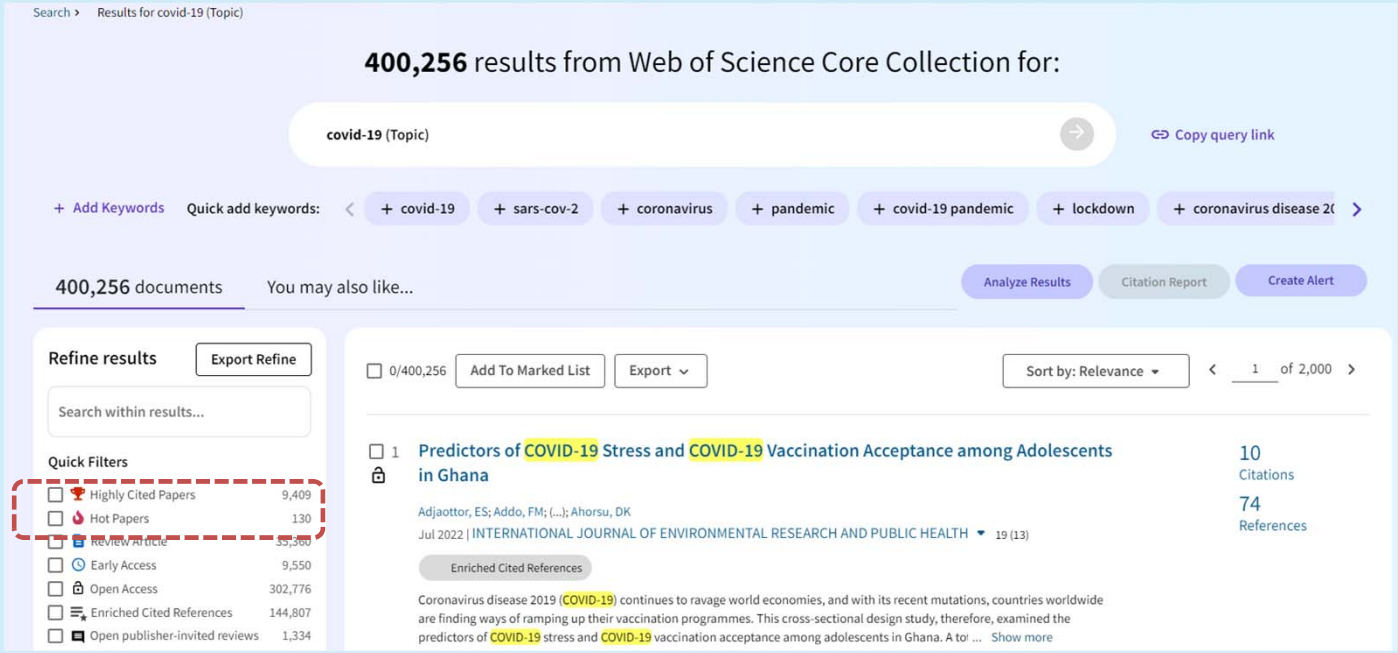
- 高被引論文 Highly Cited Papers
- 熱門論文 Hot Papers
- 學科正規化引文影響力 CNCI
- 期刊正規化引文影響力 JNCI



Highly Cited Papers、Hot Papers
高被引論文、熱門論文

以SCIE、SSCI為基礎，篩選出各領域中，

- 近10年內被引用次數排名前1%之論文為高被引論文(Highly Cited Papers)
- 近2年內被引用次數排名前0.1%之論文為熱門論文(Hot Papers)



Category Normalized Citation Impact (CNCI)
學科正規化引文影響力

排除學科領域、文獻類型與出版年代的影響，提供正規化後的指標。
可針對單一或多個學科進行分析，亦可審視研究人員與機構的影響力。

圖片來源：官欣瑩(2023)。知己知彼 - 輕鬆掌握個人學術研究影響力。

Category Normalized Citation Impact (CNCI)
學科正規化引文影響力

CNCI值>1，代表其被引表現高於全球平均水準
CNCI值<1，代表其被引表現低於全球平均水準

Organization Name	Rank	Web of Science Documents	Times Cited	% Documents Cited	Category Normalized Citation Impact
Taipei Medical University	1	2,112	1,894	34.94%	0.99
Kaohsiung Medical University	2	1,745	1,572	36.85%	1.18

Journal Normalized Citation Impact (JNCI)
期刊正規化引文影響力

排除文獻類型與出版年代的影響，提供正規化後的指標，為某論文被引次數與期刊正規化後平均被引次數的比值。主要可評估論文在所發表期刊上表現如何。

JNCI值>1，代表其被引表現高於全球平均水準
JNCI值<1，代表其被引表現低於全球平均水準

Organization Name	uthor 2023)	Corresponding Author (2008-2023)	H-Index	H-Index without Self-Citations	Journal Normalized Citation Impact
Taipei Medical University	970	958	12	11	0.9
Kaohsiung Medical University	747	914	12	12	1.08

Researcher	Total Publications	Total Citations	Citation Impact	H-index	Normalized Citation Impact	Journal Normalized Citation Impact
Researcher D	66	290	4.39	9	1.32	1.86
Researcher E	62	289	4.66	9	0.45	0.72

InCites 研究領域查詢

- Research Horizon Navigator
- Research Areas

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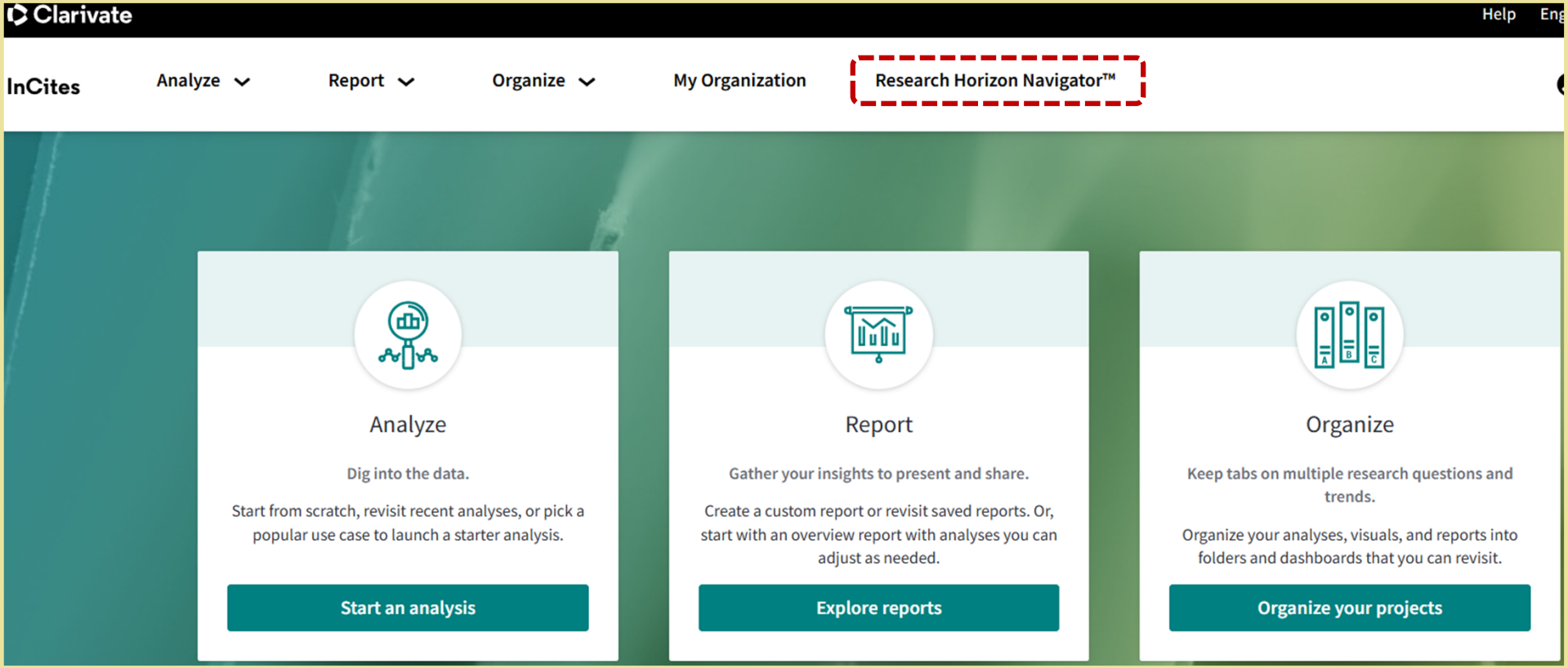
研究前沿導航員

Research Horizon Navigator



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發現研究領域中出現的新興研究主題

資料來源

- 近5年WOS核心文獻，包含文章、評論和會議論文
- 涵蓋SCIE、SSCI、AHCI、ESCI 和 CPCI(會議論文集)
- 每月更新

特色功能

- 追蹤最新研究趨勢，篩選符合需求的新興主題
- 視覺化展示跨學科科研機構、國家與專家間的聯結

新興主題AI生成條件

- 核心論文至少3篇、至多25篇
- 核心論文平均發表年代不超過5年
- 共被引論文平均發表年代不超過2.5年

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核心論文(高被引論文)

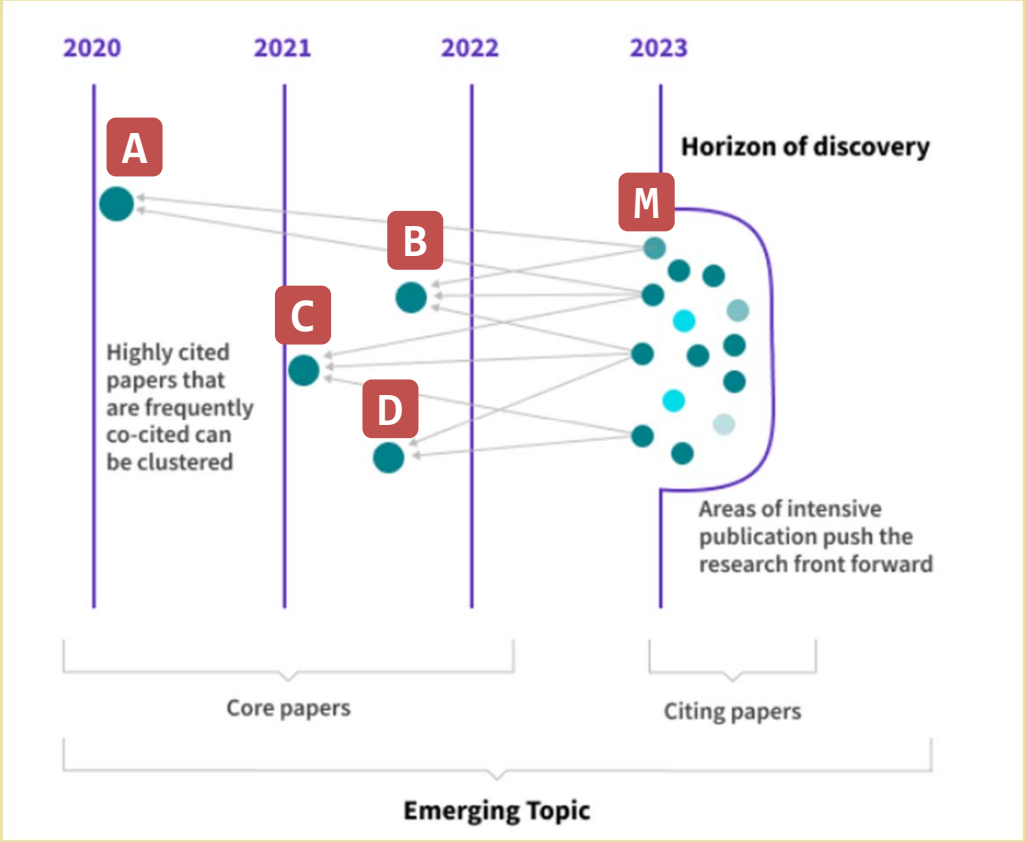
高被引論文與共被引論文可被聚類

當論文A與論文B同時被論文M引用，A與B很有可能具有研究主題的相關性

引用論文

密集發表的領域推動研究前沿的進展

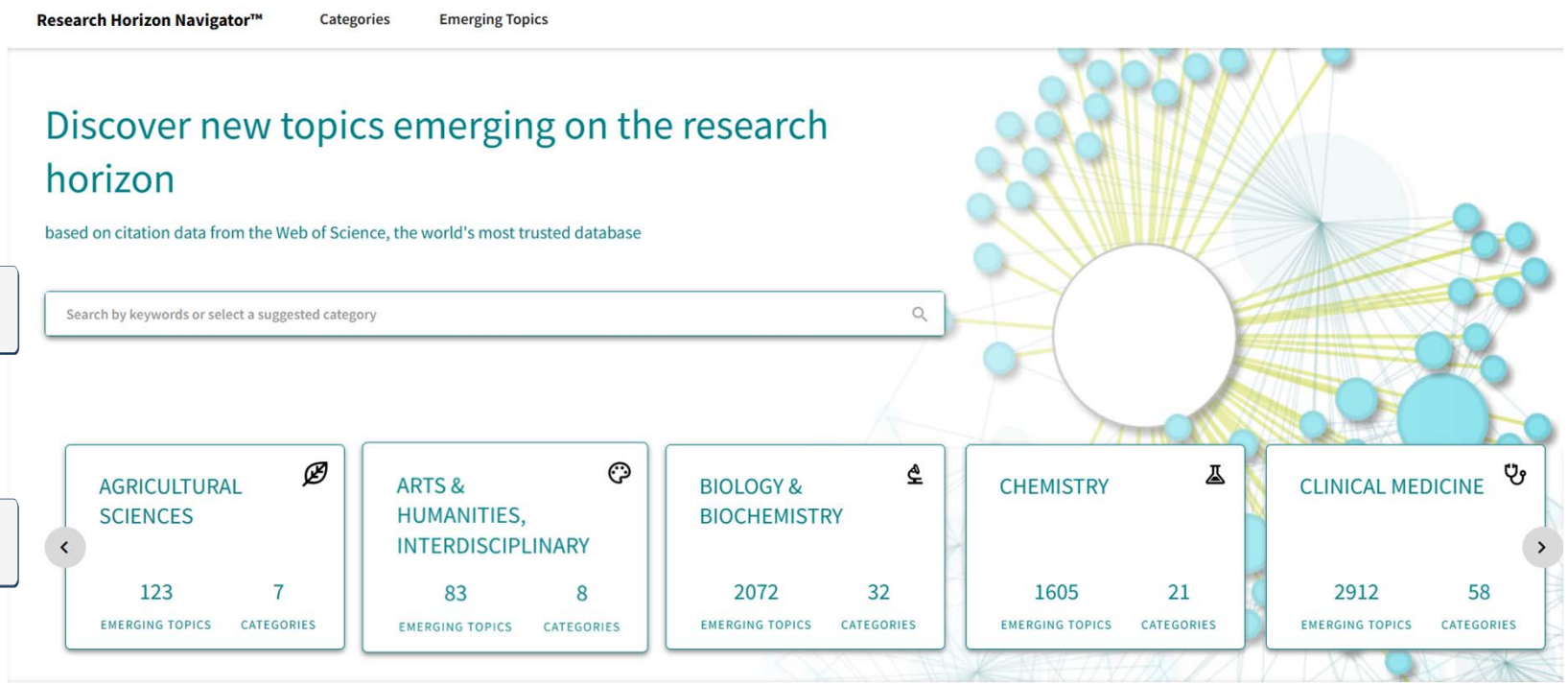
當論文ABCD共被引頻率較高時，即形成一組文獻，彼此具有研究主題的相關性



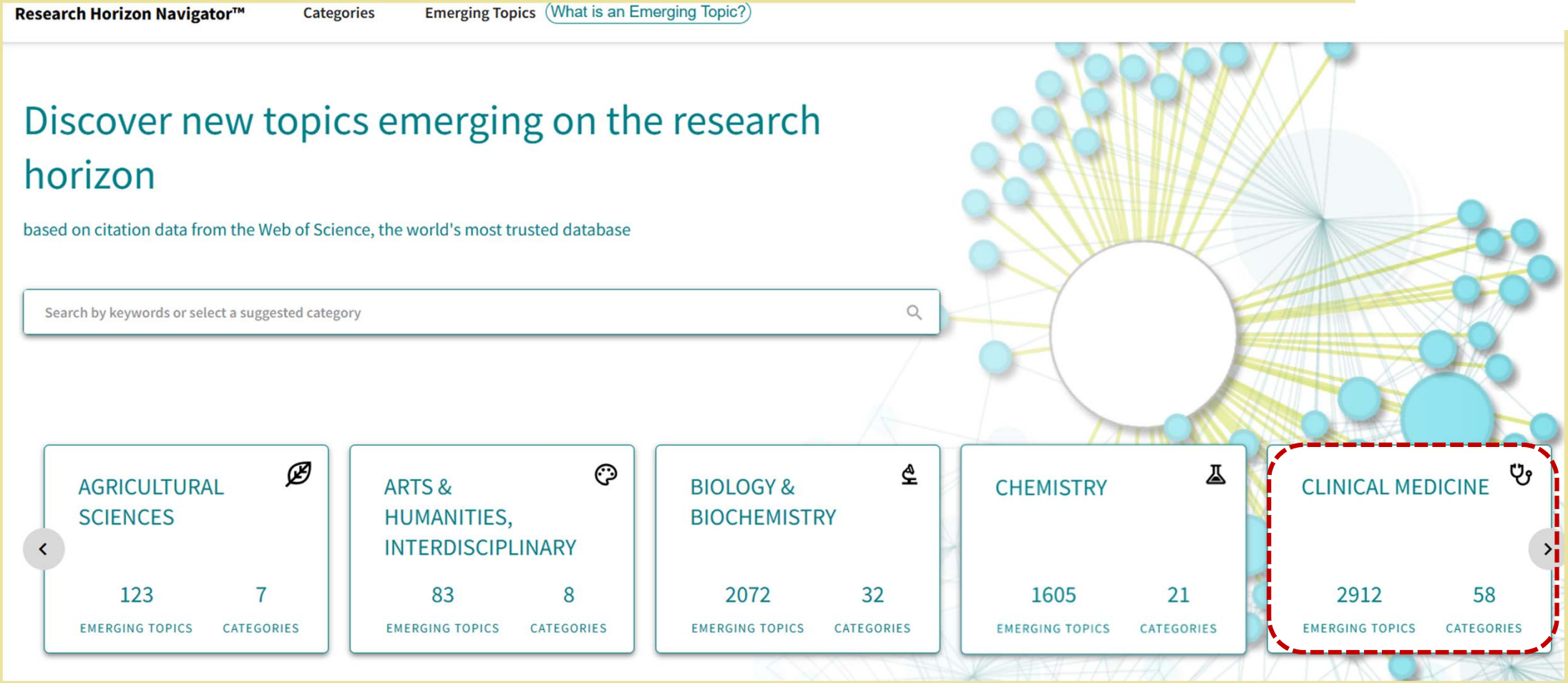
探索Research Horizon Navigator

搜尋功能

瀏覽功能



瀏覽功能-Clinical Medicine為例



瀏覽功能-以Clinical Medicine為例

Clinical Medicine

NUMBER OF CATEGORIES
58

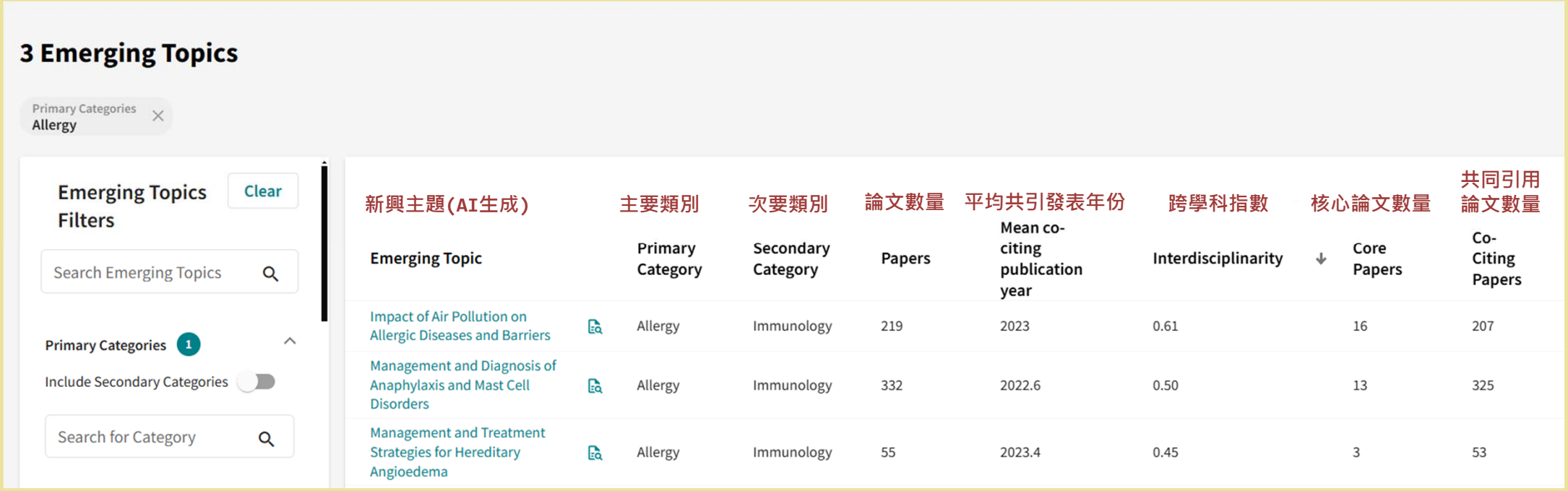
EMERGING TOPICS
2912

Covers all aspects of clinical medicine including medical specialties, integrative & complementary medicine, nutrition, legal medicine, dentistry, nursing, medical ethics, medical informatics, medical technology & engineering, psychology, psychiatry, substance abuse, sports medicine, and public health.

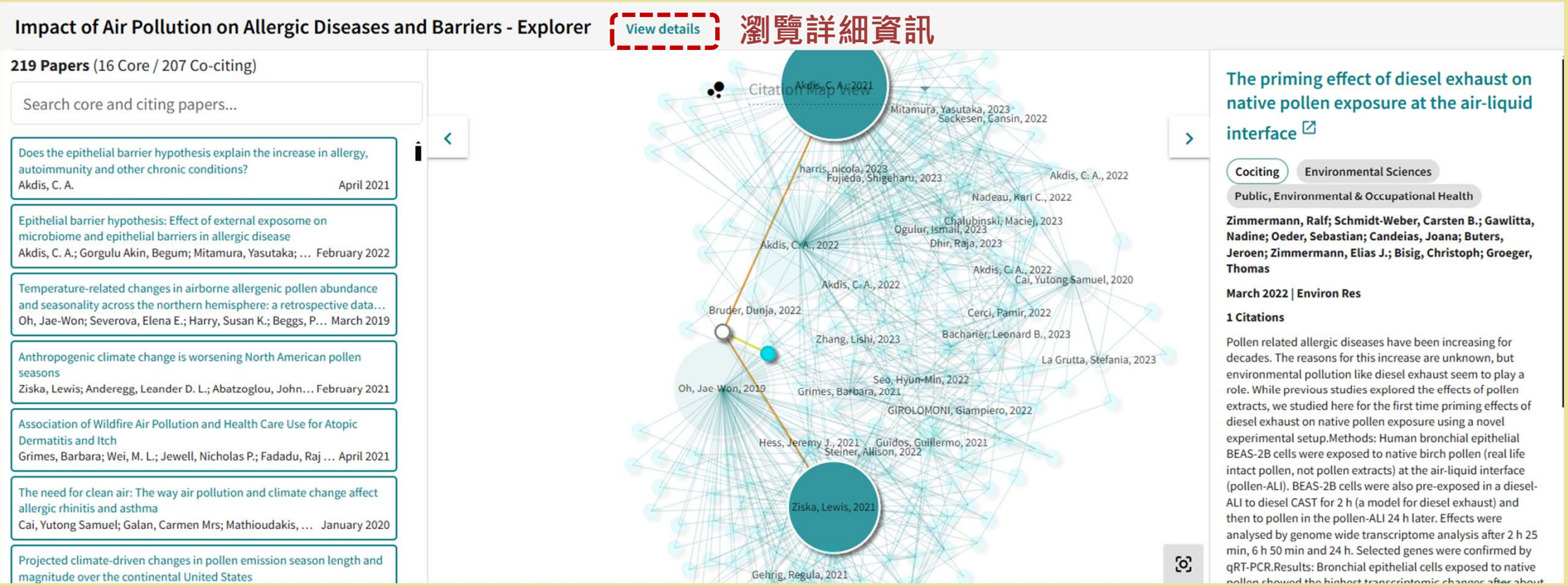
View All Emerging Topics

	EMERGING TOPICS	CORE PAPERS	CO-CITING PAPERS
ALLERGY	3	32	585
ANDROLOGY	1	8	24
ANESTHESIOLOGY	15	196	2466
AUDIOLOGY & SPEECH-LANGUAGE PATHOLOGY	6	49	342
BEHAVIORAL SCIENCES	5	36	156
CARDIAC & CARDIOVASCULAR SYSTEMS	96	779	11363
CLINICAL NEUROLOGY	115	1010	11798
CRITICAL CARE MEDICINE	14	112	1100
DENTISTRY, ORAL SURGERY & MEDICINE	69	496	3422
DERMATOLOGY	35	302	2717

瀏覽功能-以Clinical Medicine為例



瀏覽功能-以Clinical Medicine為例



論文清單

視覺化引用地圖-該新興主題下論文互引情形
(超過500篇以上則不會出現引用地圖)

新興主題詳情

領域跨學科

主要貢獻者

貢獻論文

EMERGING TOPIC

Impact of Air Pollution on Allergic Diseases and Barriers

View explorer

PRIMARY CATEGORY	CORE PAPERS	CO-CITING PAPERS	MEAN PUBLICATION YEAR	INTERDISCIPLINARITY
Allergy	16	207	2022.9	0.61 ↑
SECONDARY CATEGORY	**TOTAL PAPERS**	**TOTAL CITATIONS**	**MEAN CO-CITING PUBLICATION YEAR**	**SEARCH PIVOT-RP**
Immunology	219	793	2023	Explore Funding Opportunities

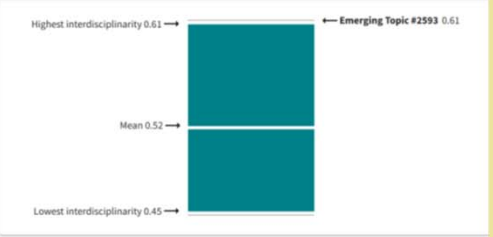
Field Interdisciplinarity

Subject Diversity 學科多樣性

Journal Subject Category 1	Journal Subject Category 2
Allergy	Astronomy & Astrophysics
Astronomy & Astrophysics	Emergency Medicine
Family Studies	Mycology
Chemistry, Organic	Psychology, Educational
Astronomy & Astrophysics	Tropical Medicine

The degree to which papers draw on literature from fields that are traditionally disparate - and therefore not commonly cited together - is one metric by which topics that are emerging may be identified. Read more

Interdisciplinarity Index 跨學科指數



The figure above shows the Interdisciplinarity Index (0.61) of the total papers compared
min (0.45), max (0.61) and average (0.52) for all of the Emerging Topics that have the sa
primary WOS category. Read more

Top Contributors

Organizations | Funding Agencies | Authors | Countries/Regions

Organization contributing core and/or co-citing papers to the emerging topic.

Rank (Total papers)	Organizations	Total papers / % of total papers	Core papers	Co-citing papers
1	University of Zurich	39 /17.81%	5 /31.25%	37 /17.87%
2	Swiss Institute of Allergy & Asthma Research	38 /17.35%	5 /31.25%	36 /17.39%
3	Harvard University	23 /10.50%	0 /0.00%	23 /11.11%
4	Harvard T.H. Chan School of Public Health	20 /9.13%	0 /0.00%	20 /9.66%
5	Helmholtz Association	17 /7.76%	2 /12.50%	15 /7.25%
6	Stanford University	16 /7.31%	3 /18.75%	15 /7.25%
7	Helmholtz-Center Munich - German Research Center for Environmental Health	15 /6.85%	1 /6.25%	14 /6.76%
8	Transylvania University of Brasov	12 /5.48%	0 /0.00%	12 /5.80%

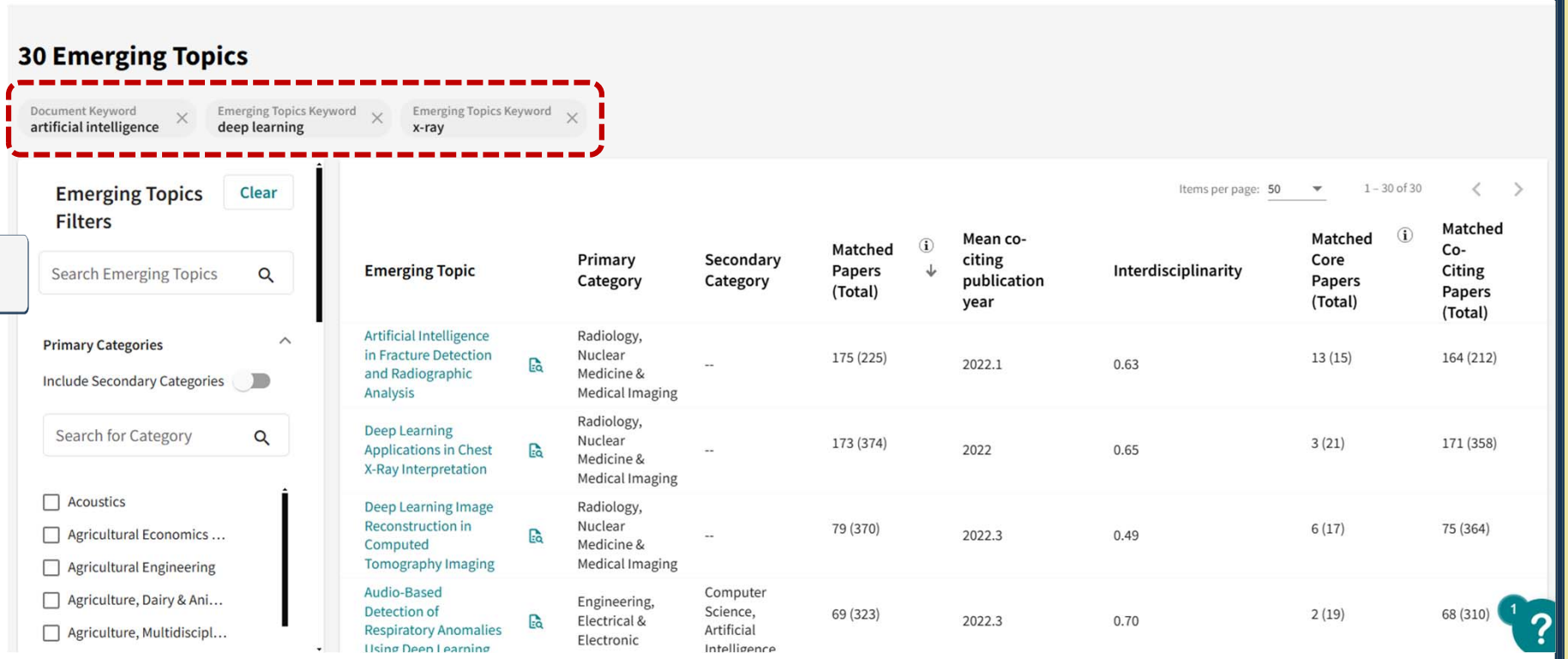
Contributing Papers (219)

View all in Web of Science

Contributing Papers are core and co-citing papers conforming the Emerging Topic

Core/Co-citing | Years | Document types

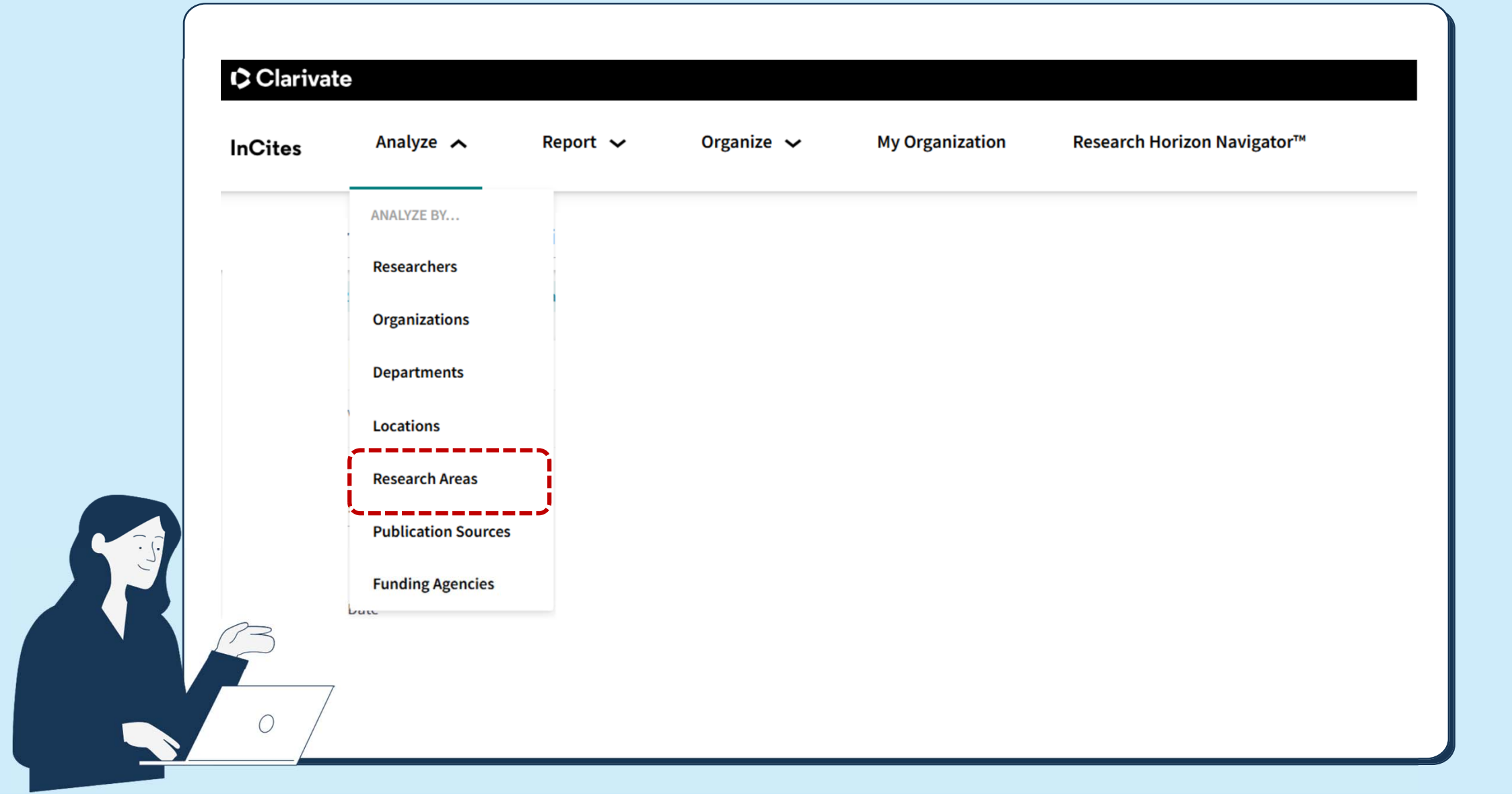
搜尋功能-Research Horizon Navigator



篩選功能

InCites 研究領域查詢

- Research Horizon Navigator
- Research Areas


Clarivate
InCites
Analyze
Report
Organize
My Organization
Research Horizon Navigator™
ANALYZE BY...
Researchers
Organizations
Departments
Locations
Research Areas
Publication Sources
Funding Agencies

Research Areas分類

- **Web of Science**

  254個學科領域(官網連結)

- **Citation Topics**

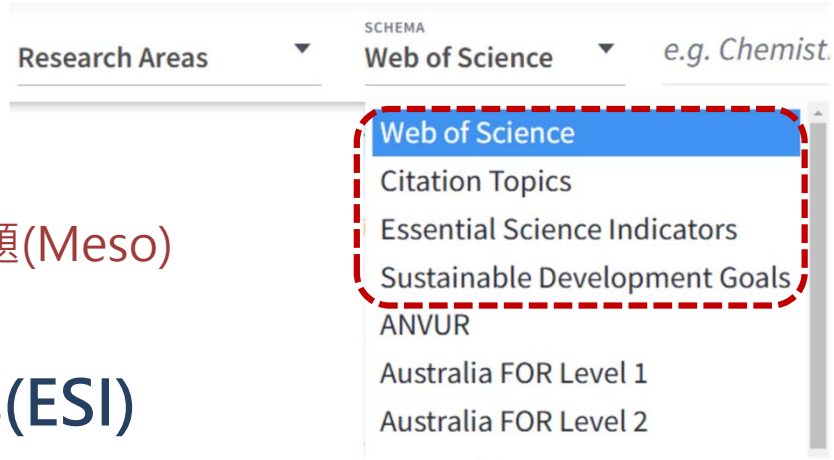
  10 個宏觀主題(Macro)、326 個中觀主題(Meso)、2444 個微觀主題(Micro) (官網連結)

- **Essential Science Indicators(ESI)**

  22個廣泛學科領域 (官網連結)

- **Sustainable Development Goals(SDG)**

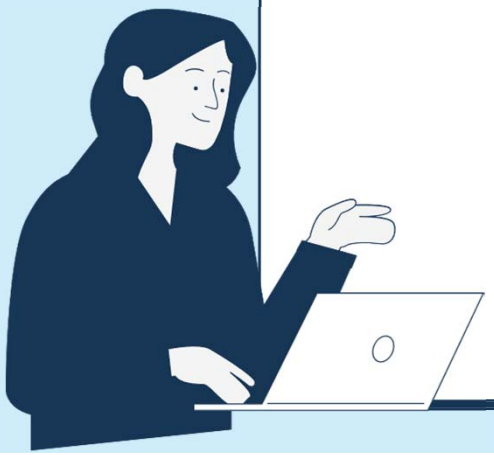
  聯合國17項永續發展目標



Citation Topics

Macro(宏觀主題) ⇦
Meso(中觀主題) ⇦
Micro(微觀主題) ⇦

Research Area	Web of Science Documents
1 Clinical & Life Sciences	4,917,421
1.104 Virology - General	201,330
1.104.1353 Coronavirus	139,800
1.104.2777 Vaccine Hesitancy	13,263
1.104.126 Influenza	13,157
1.104.975 Respiratory Syncytial Virus	6,509

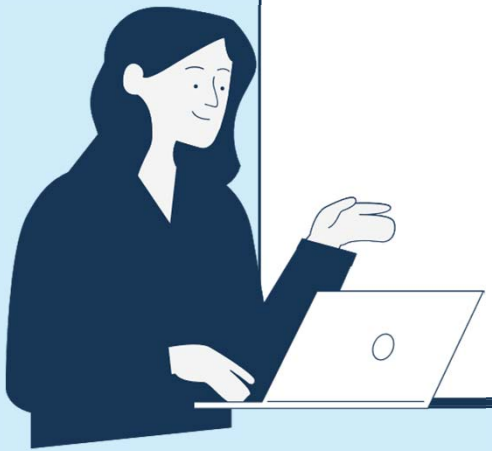


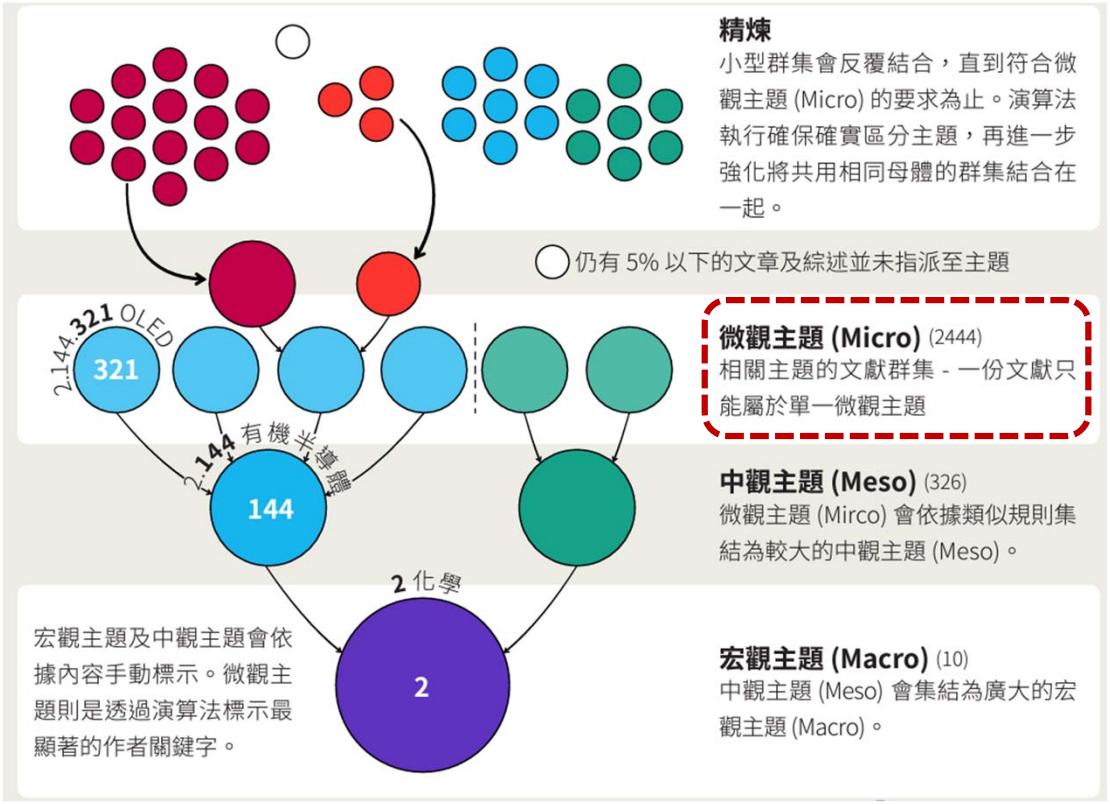
Citation Topic

全新視角評估論文相關研究領域

方法論：
根據萊頓大學科學技術中心開發之演算法生成。

更新頻率：
每年更新一次，三個層級的主題與數量都可能會變化。





Citation Topics

被InCites收錄之論文，若有被引用1次以上，會透過演算法給予主題分類

有分類

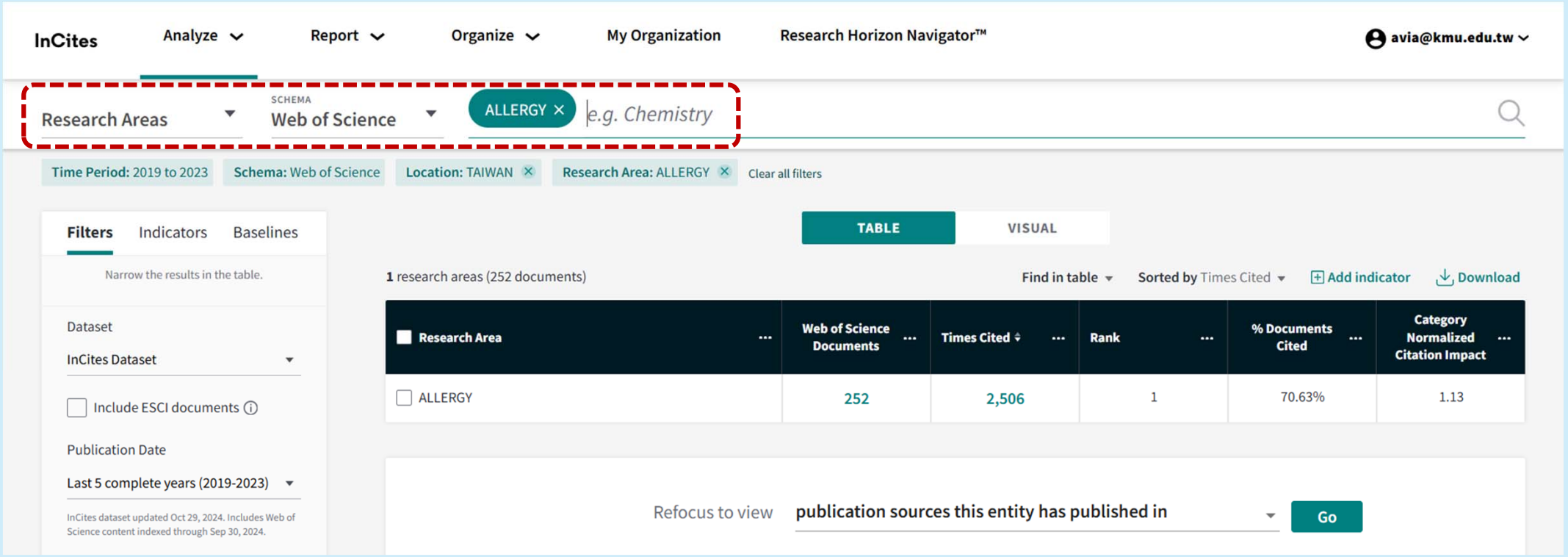
Categories/ Classification	Research Areas: General & Internal Medicine Citation Topics : 1 Clinical & Life Sciences › 1.120 Inflammatory Bowel Diseases & Infections › 1.120.384 Gut Microbiota Sustainable Development Goals: 03 Good Health and Well-being
Web of Science Categories	Medicine, General & Internal

無分類

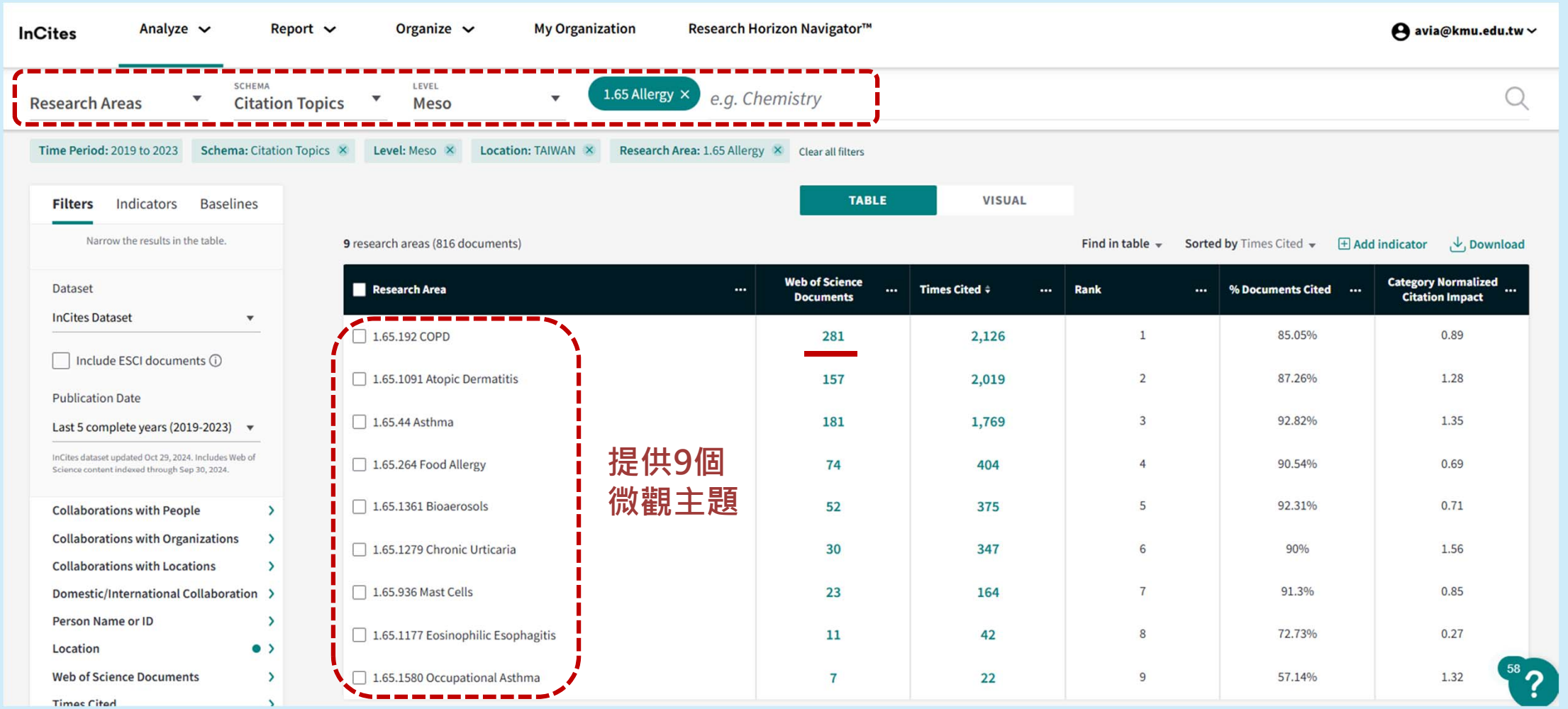
Categories/ Classification	Research Areas: Instruments & Instrumentation; Materials Science
Web of Science Categories	Instruments & Instrumentation; Materials Science, Multidisciplinary

實際應用與分析

近5年Allergy相關主題在台灣的論文發表

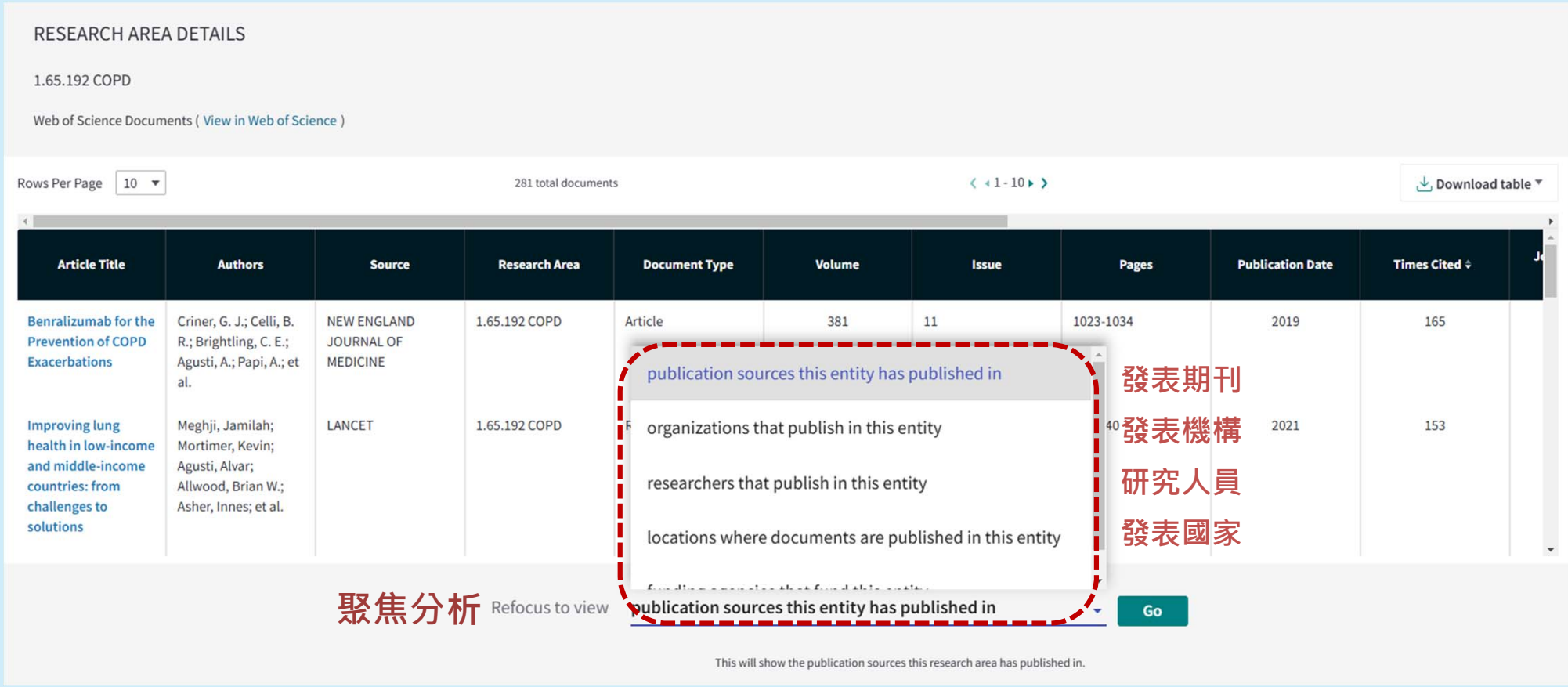


以WOS學科領域進行檢索

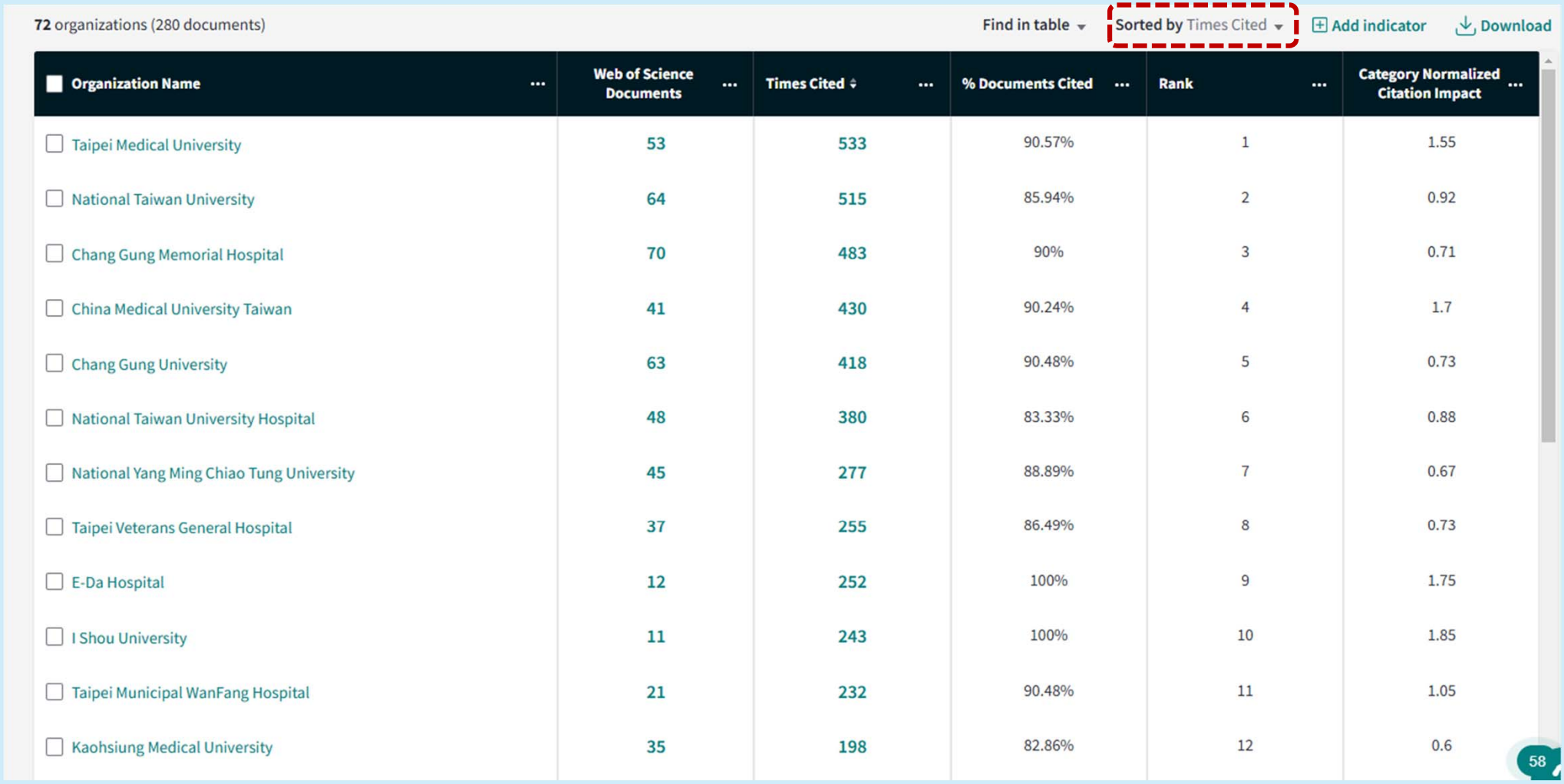


以Citation Topics Meso中觀主題進行檢索

進一步分析COPD發表文獻



以發表機構再分析



72 organizations (280 documents)

Find in table | Sorted by Times Cited | Add indicator | Download

Organization Name	Web of Science Documents	Times Cited	% Documents Cited	Rank	Category Normalized Citation Impact
Taipei Medical University	53	533	90.57%	1	1.55
National Taiwan University	64	515	85.94%	2	0.92
Chang Gung Memorial Hospital	70	483	90%	3	0.71
China Medical University Taiwan	41	430	90.24%	4	1.7
Chang Gung University	63	418	90.48%	5	0.73
National Taiwan University Hospital	48	380	83.33%	6	0.88
National Yang Ming Chiao Tung University	45	277	88.89%	7	0.67
Taipei Veterans General Hospital	37	255	86.49%	8	0.73
E-Da Hospital	12	252	100%	9	1.75
I Shou University	11	243	100%	10	1.85
Taipei Municipal WanFang Hospital	21	232	90.48%	11	1.05
Kaohsiung Medical University	35	198	82.86%	12	0.6

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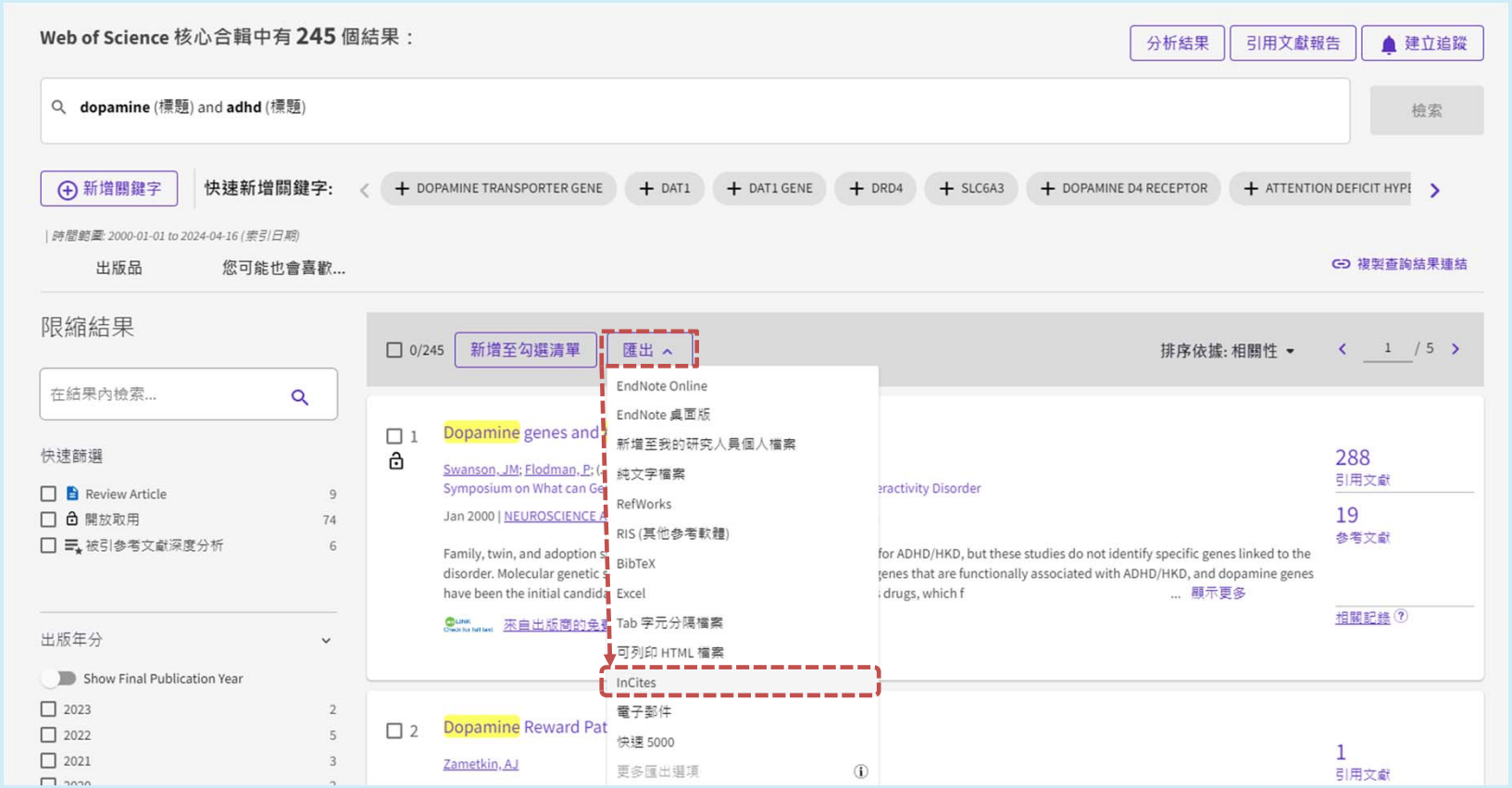

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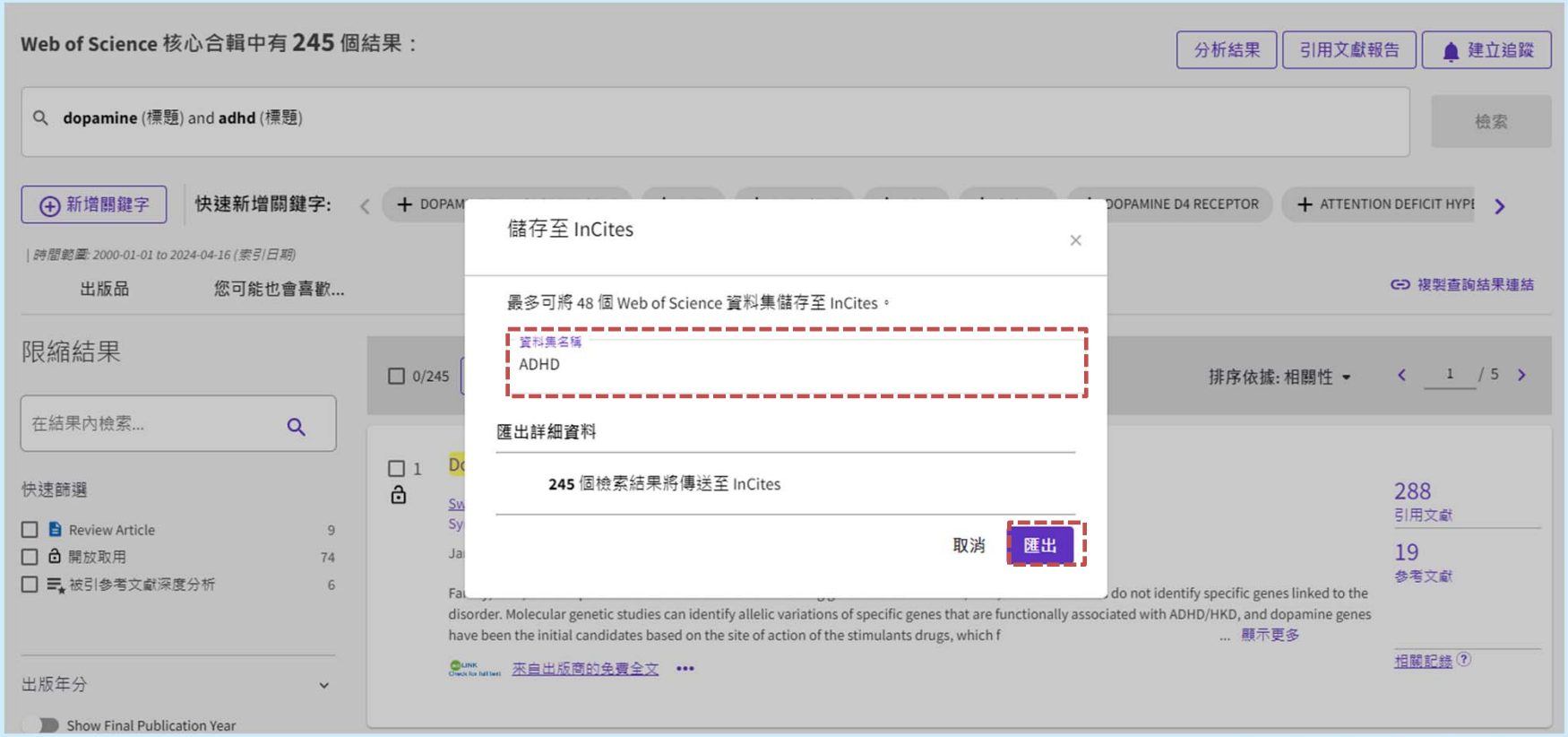

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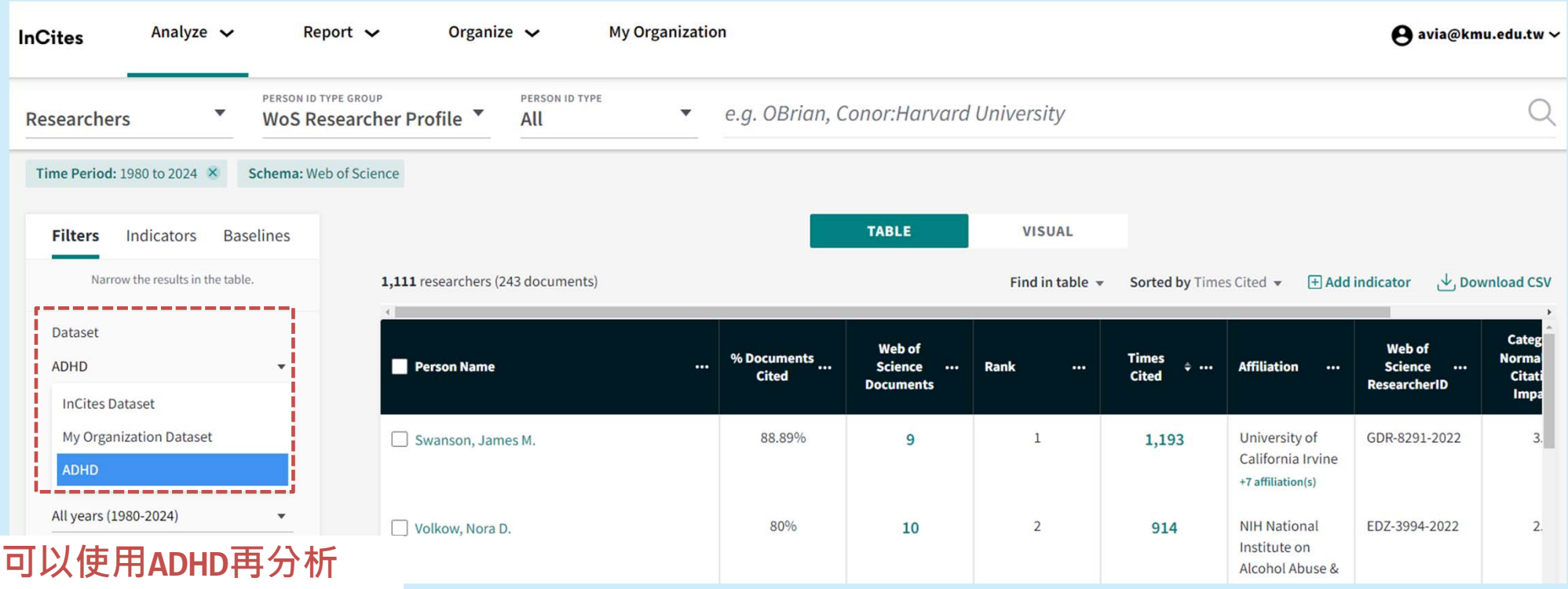

可以使用ADHD再分析

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如有任何問題，歡迎與我們聯繫
Email：erm@kmu.edu.tw
分機：2133轉70