

【InCites/ESI更新通知-07】

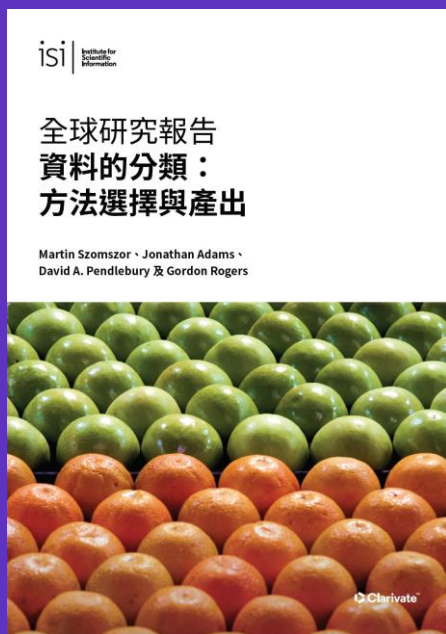
- 機構在SDGs或特定研究主題的研究表現
- 快速分析機構在特定期刊出版社的發表概況



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ISI系列報告

資料的分類：
方法選擇與產出



永續發展目標(SDGs)
的研究導覽



S計畫的足跡



WOS中的研究前沿：
從指標到意義



營造永續發展的
學術生態系統



<https://clarivate.com/webofsciencegroup/zh-hant/solutions/isi-report-downloads/>

Web of Science核心合輯資料庫

最優質的大數據提供綜合學科領域的研究文獻

01

Science Citation Index Expanded

• 9,046種期刊 • 1900年-迄今

02

Social Science Citation Index

• 3,330種期刊 • 1900年-迄今

03

Art & Humanity Citation Index

• 1,815種期刊 • 1975年-迄今

04

Emerging Sources Citation Index

• 7,280種期刊 • 2005年-迄今

05

Conference Proceedings Citation Index

• 超過191,000個會議錄 • 1990年-迄今

06

Book Citation Index

• 80,617種學術專著 • 2005年-迄今

Web of Science
Core Collection

Selective & Focus

機構在SDGs或特定研究主題的研究表現

SUSTAINABLE DEVELOPMENT GOALS



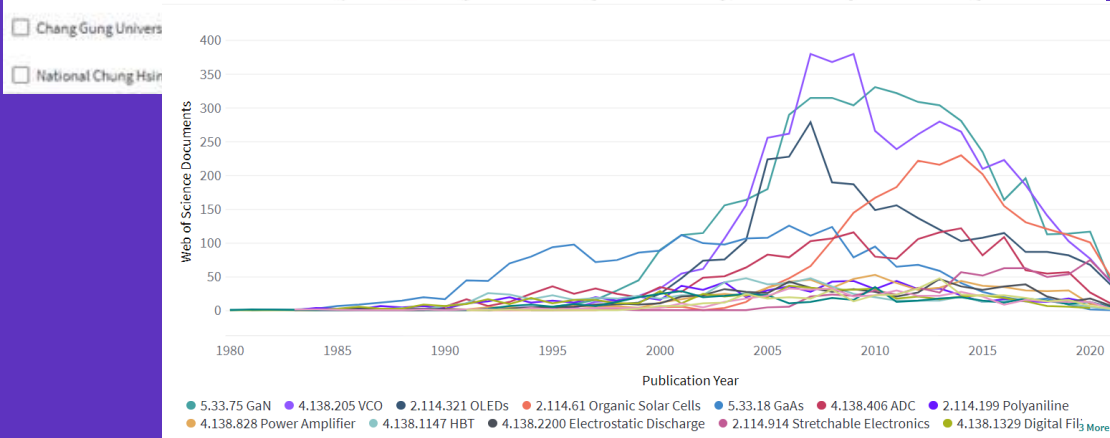
範例1- 研究主題的研究表現/以半導體為例

概念說明

- Citation Topic研究主題共分為三大階層(Macro, Meso, Micro)且也有相互對應關係，詳細說明請參考附件，主題階層對照表請參考Citation Topics Schema Scope
- 以半導體研究主題為例，Citation topic中有以下三大Meso主題涵蓋”Semiconductor”

Macro-topic name	Meso-topic name	Micro-topic name
Electrical Engineering, Electronics & Computer Science	Semiconductor Technology	可再細分7個Micro主題
Physics	Semiconductor Physics	可再細分Diluted Magnetic Semiconductors與其他10個主題
Chemistry	Organic Semiconductors	可再細分5個Micro主題

Organization Name	Web of Science Documents	% Documents in Top 10%	Highly Cited Papers	% First Author (2008-2020)	% International Collaborations	Category Normalized Citation Impact
National Taiwan University	928	11.31%	8	63.47%	28.45%	1.06
National Yang Ming Chiao Tung University	926	5.94%	4	65.55%	30.45%	0.78
National Tsing Hua University	553	9.95%	5	68.72%	31.65%	1.03
National Cheng Kung University	426	5.4%	0	61.97%	12.68%	0.72
National Taiwan University of Science & Technology	306	4.25%	0	77.45%	13.73%	0.65
Academia Sinica - Taiwan	303	7.92%	6	30.36%	26.07%	1
National Central University	252	2.38%	1	71.03%	13.89%	0.58
National Sun Yat Sen University	166	4.22%	0	65.66%	19.88%	0.56



範例1- 研究主題的研究表現/以半導體為例

InCites



Analyze ▾ Report ▾ Organize ▾ My Organization

1. 選擇Research Areas模組，並運用Citation Topic研究主題領域進行分析

Research Areas ▾

SCHEMA
Citation Topics ▾

LEVEL
Meso ▾

4.138 Semiconductor Technology X

5.33 Semiconductor Physics X

2.114 Organic Semiconductors X

e.g. Chemistry



Time Period: 1980-2021 X Schema: Citation Topics X Organization Name: Harvard University X Level: Meso X

Research Area: 4.138 Semiconductor Technology, 5.33 Semiconductor Physics, 2.114 Organic Semiconductors X Clear all filters

3. 選擇好年代與機構名稱或需要的Filters條件

Filters Indicators Baselines

Narrow the results in the table.

Dataset
InCites Dataset ▾

2. 選擇InCites dataset

☒ Include ESCI documents ⓘ

Publication Date

All years (1980-2021) ▾

InCites dataset updated Jul 30, 2021. Includes Web of Science content indexed through Jun 30, 2021.

Collaborations with People >

Collaborations with Organizations >

Collaborations with Locations >

TABLE

VISUAL

21 research areas (1,611 documents)

Find in table ▾

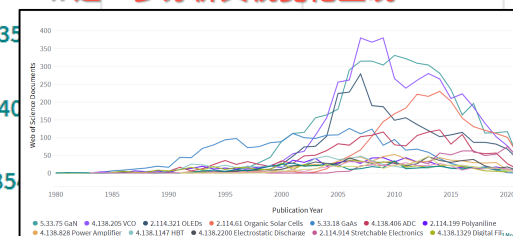
Sorted by Web of Science Documents ▾

+ Add indicator



Research Area	Rank	Web of Science Documents	Times Cited	% Documents Cited	Category Normalized Citation Impact	% Documents in Top 10%
☐ 5.33.329 Quantum Hall Effect	1	375	21,621	92%	2.65	28.27%
☐ 2.114.914 Stretchable Electronics	2	306	27,355			28.1%
☐ 5.33.632 Diluted Magnetic Semiconductors	3	201	18,400			41.29%
☐ 5.33.1028 Quantum Cascade Lasers	4	181	5,850			26.52%
☐ 2.114.61 Organic Solar Cells	5	69	2,044	95.65%	1.53	20.29%

4. 進一步分析與視覺化呈現

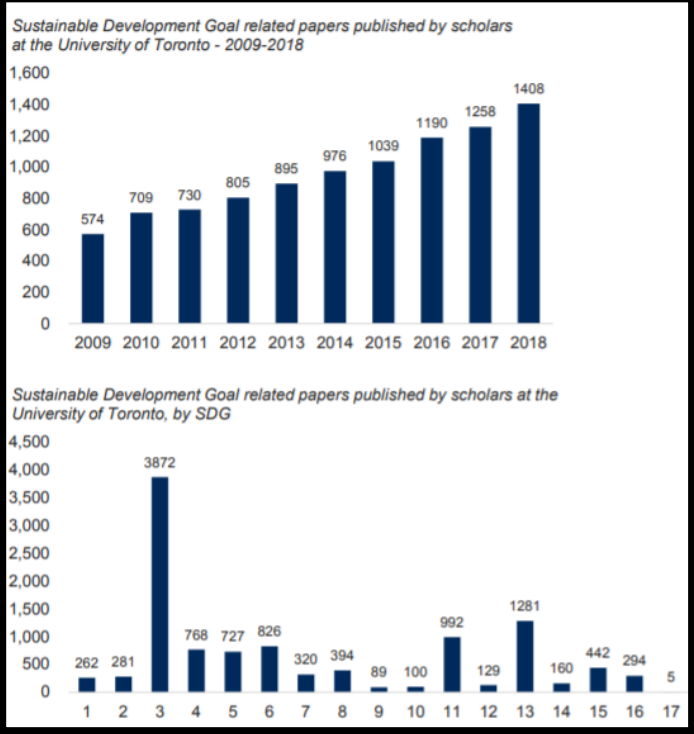
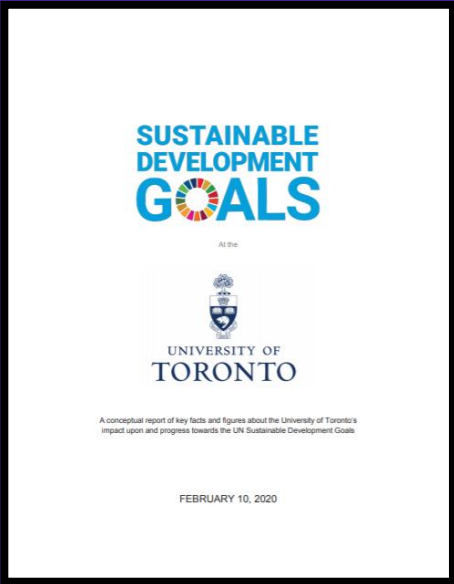


範例2- 研究主題的研究表現

概念說明

- 因永續發展的關鍵字定義其實很主觀且需要，且研究人文章發表時不一定會於論文中直接提到某種目標關鍵字如「貧窮」。
- 不同目標定義的關鍵字對於不同學校來說皆會有不同的表現，建議加上符合某永續發展目標中可代表機構研究特色的關鍵字，以凸顯機構在此目標上的永續發展貢獻。

Keywords queries used for the analysis of Research Papers		
SDG	Short title	Keywords (Web of Science)*
1	No poverty	Query 1: poverty NOT (health or disease or infection) Query 2: poverty and ("socio economic" or socioeconomic or resilience or "income distribution" or "wealth distribution" or disadvantage) Query 3: "social protection" or "extreme poverty" or "entrenched deprivation" or "basic income guarantee" or "poverty eradication" or "poverty line"
2	Zero hunger	Query 1: (farming or food or hunger or hungry or agricultur* or nutrition or nourish* or malnutrition or malnourish*) near/10 (security or insecurity or reserves or resilient* or sustainab*) Query 2: ("crop diversity" or "food produc*" or "agricult*" produc**)
3	Good health and well-being	Query 1: (health* or vaccine* or medicin* or malaria or HIV or tuberculosis or hepatitis or immuni*) near/10 (access* or afford* or finance* or poverty* or "low income" or "middle income" or wellbeing or "well being" or "well-being") Query 2: mortality near/2 (neonatal or maternal or child* or premature or rate or suicide or cancer or cardiovascular or "heart disease" or diabetes or "chronic respiratory diseases") Query 3: "Life expectancy" or "universal health*" or "World Health Organisation" or "major disease*" or "tropical disease*" or "communicable disease*" or "non-communicable disease**"
4	Quality education	Query 1: (educat* or numeracy or literacy or illiterate or pedagog* or schooling) near/10 (inclusi* or equality or equit* or "primary school" or quality or marginali* or participation or "childhood") Query 2: "lifelong learning" or "life-long learning" or "proficiency standards" "early childhood development"
5	Gender equality	Query 1: (gender or woman* or women* or girl* or female*) near/5 (equality or equity or marginali* or parity or pay or salary or salaries or discriminat* or exploit* or empower* or disadvantag* or dignity or violence or "labo\$#r force" or "work force" or leadership or managerial or inequity or inequality or underrepresent* or "under represent**" or representation or diversity or "domestic violence") Query 2: ("Sexual and reproductive health" or "Sexual exploitation" or "Sexual violence" or "child marriage\$" or "gender quota" or "female genital mutilation" or "intimate partner violence" or prostitution)
6	Clean water and sanitation	Query1: ("clean water" or "drinking water" or "fresh water" or freshwater or wastewater or "waste water" or "water quality" or sanitation or "water supply" or "water treatment" or "wastewater treatment" or "water security" or "water resource\$ management" or sewer* or greywater)



範例2- SDGs永續發展研究主題

InCites

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Analyze ▾ Report ▾ Organize ▾ My Organization

1. 選擇Research Areas模組，並運用Citation Topic研究主題領域進行分析

Research Areas ▾ SCHEMA Citation Topics ▾ LEVEL Macro ▾ e.g. Chemistry

Time Period: 2016-2020 Schema: Citation Topics × Organization Name: Harvard University × Clear all filters

3. 選擇好年代與機構名稱或需要的Filters條件

Filters Indicators Baselines

Narrow the results in the table.

Dataset
SDG3_Taiwan_2021 ▾

Last updated Jun 30, 2021

2. 選擇定義好的SDGs關鍵字

☒ Include ESCI documents ⓘ

Publication Date

Last 5 complete years (2016-2020) ▾

InCites dataset updated Jul 30, 2021. Includes Web of Science content indexed through Jun 30, 2021

Collaborations with People >

Collaborations with Organizations >

Collaborations with Locations >

Domestic/International Collaboration >

10 research areas (652 documents)

Find in table ▾ Sorted by Web of Science Documents ▾ [Add indicator](#) [Download](#)

Research Area	Web of Science Documents	Times Cited	Rank	% Documents Cited	Category Normalized Citation Impact
☐ 1 Clinical & Life Sciences	595	58,871	1	95.13%	11.6
☐ 2 Chemistry	19	1,120	2	94.74%	2.72
☐ 8 Earth Sciences	19	1,221	2		
☐ 3 Agriculture, Environment & Ecology	5	63	4		
☐ 6 Social Sciences	4	100	5		
☐ 4 Electrical Engineering, Electronics & Computer Science	2	10	6		

4. 進一步分析與視覺化呈現



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insert footer

8



SDGs 目標3：

確保健康及促進各年齡層的福祉

TS= (((human AND (health* OR disease* OR illness* OR medicine* OR mortality)) OR "battered child syndrome" OR "cardiovascular disease" OR "cardiovascular diseases" OR "chagas" OR "child abuse" OR "child neglect" OR "child well-being index" OR "youth well-being index" OR "child wellbeing index" OR "youth wellbeing index" OR "water-borne disease" OR "water-borne diseases" OR "water borne disease" OR "water borne diseases" OR "tropical disease" OR "tropical diseases" OR "chronic respiratory disease" OR "chronic respiratory diseases" OR "infectious disease" OR "infectious diseases" OR "sexually-transmitted disease" OR "sexually transmitted disease" OR "sexually-transmitted diseases" OR "sexually transmitted diseases" OR "communicable disease" OR "communicable diseases" OR aids OR hiv OR "human immunodeficiency virus" OR tuberculosis OR malaria OR hepatitis OR polio* OR vaccin* OR cancer* OR diabet* OR "maternal mortality" OR "child mortality" OR "childbirth complications" OR "neonatal mortality" OR "neo-natal mortality" OR "premature mortality" OR "infant mortality" OR "quality adjusted life year" OR "maternal health" OR "preventable death" OR "preventable deaths" OR "tobacco control" OR "substance abuse" OR "drug abuse" OR "tobacco use" OR "alcohol use" OR "substance addiction" OR "drug addiction" OR "tobacco addiction" OR alcoholism OR suicid* OR "postnatal depression" OR "post-natal depression" OR "zika virus" OR dengue OR schistosomiasis OR "sleeping sickness" OR ebola OR "mental health" OR "mental disorder" OR "mental illness" OR "mental illnesses" OR "measles" OR "neglected disease" OR "neglected diseases" OR diarrhea OR diarrhoea OR cholera OR dysentery OR "typhoid fever" OR "traffic accident" OR "traffic accidents" OR "healthy lifestyle" OR "life expectancy" OR "life expectancies" OR "health policy" OR ("health system" AND (access OR accessible)) OR "health risk" OR "health risks" OR "inclusive health" OR obesity OR "social determinants of health" OR "psychological harm" OR "psychological wellbeing" OR "psychological well-being" OR "psychological well being" OR "public health"))

THE SDGs關鍵字: <https://md-datasets-cache-zipfiles-prod.s3.eu-west-1.amazonaws.com/87txkw7khs-1.zip>



資料分析來源:WOS 2019

範例2- SDGs永續發展研究主題

InCites

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Analyze ▾ Report ▾ Organize ▾ My Organization

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Dataset
SDG3_Taiwan_2021 ▾

Last updated Jun 30, 2021

2. 選擇定義好的SDGs關鍵字

☒ Include ESCI documents ⓘ

Publication Date

Last 5 complete years (2016-2020) ▾

InCites dataset updated Jul 30, 2021. Includes Web of Science content indexed through Jun 30, 2021

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Domestic/International Collaboration >

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4. 進一步分析與視覺化呈現



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SDGs 目標3：

確保健康及促進各年齡層的福祉



全球文獻

Results: 478,099
(from Web of Science Core Collection)

臺灣文獻

Results: 7,033
(from Web of Science Core Collection)

Organization Name	Rank	Web of Science Documents	Times Cited	Category Normalized Citation Impact	% Documents in Q1 Journals	Documents in Top 10%	% First Author (2008-2020)	% Last Author (2008-2020)
☐ National Taiwan University	1	1,473	6,750	1.86	59.45%	196	53.02%	53.02%
☐ Chang Gung Memorial Hospital	2	1,165	4,250	1.28	51.16%	123	55.88%	55.71%
☐ China Medical University Taiwan	3	1,034	4,217	1.31	54.27%	140	37.04%	54.74%
☐ Chang Gung University	4	966	3,046	0.97	49.3%	85	51.55%	53.73%
☐ Taipei Medical University	5	934	3,175	1.12	55.95%	98	50.11%	52.25%
☐ National Taiwan University Hospital	6	847	4,382	2.36	57.77%	132	43.8%	45.34%
☐ National Yang Ming University	7	843	3,362	1.25	50.31%	100	46.5%	51.6%
☐ Kaohsiung Medical University	8	736	2,713	1.13	56.1%	66	46.2%	58.83%
☐ China Medical University Hospital - Taiwan	9	687	2,626	1.3	51.86%	82	29.4%	48.62%
☐ National Cheng Kung University	10	589	2,330	1.34	54.36%	60	50.76%	51.1%
☐ Taipei Veterans General Hospital	11	505	2,870	2.1	54.73%	78	43.76%	49.11%

THE SDGs關鍵字: <https://md-datasets-cache-zipfiles-prod.s3.eu-west-1.amazonaws.com/87txkw7khs-1.zip>

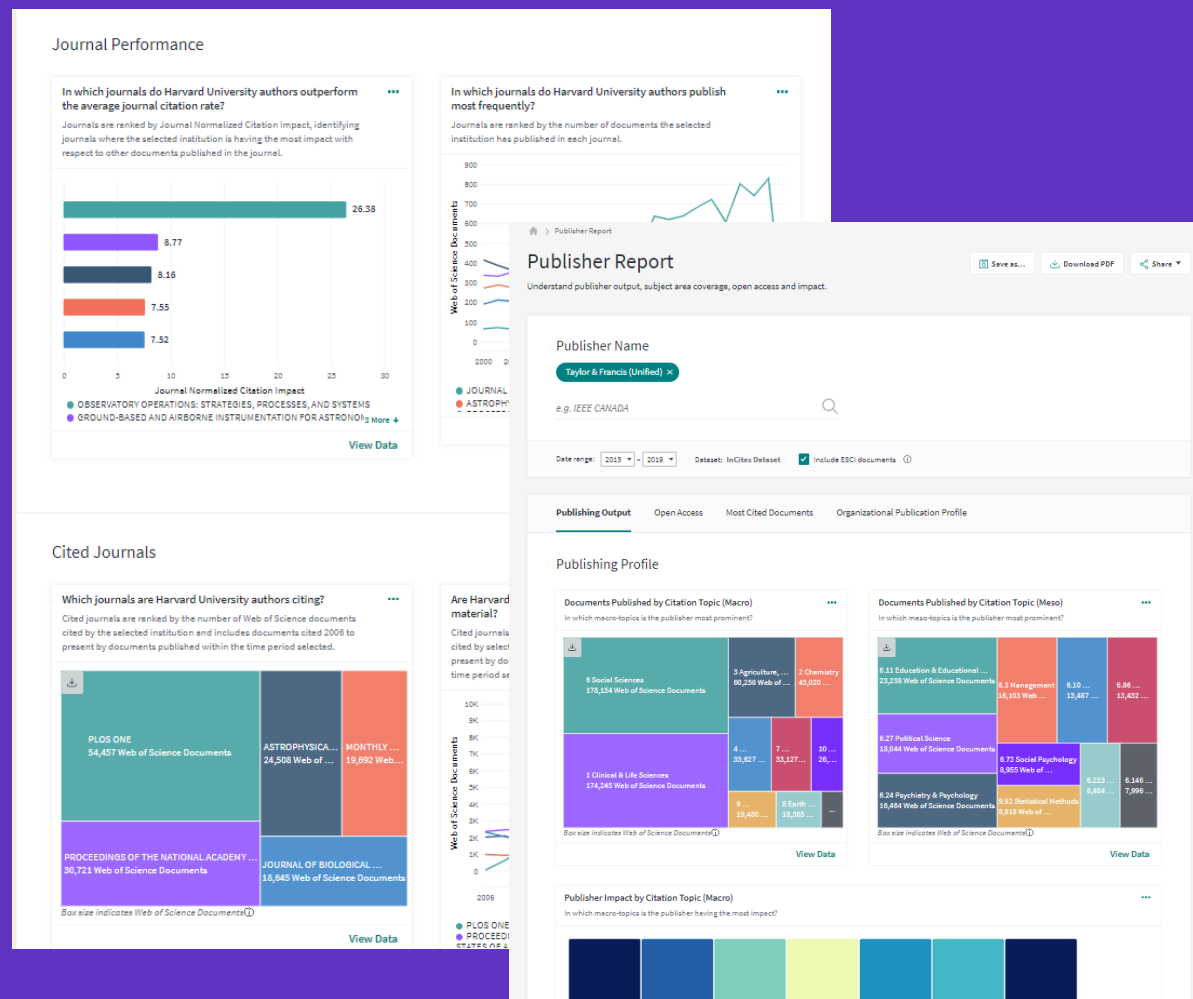
資料分析來源:WOS Core 2019

快速分析機構在特定期刊 出版社的發表概況

機構在期刊發表的分析

概念說明

- 許多圖書館會針對學校有訂購的期刊資源或是與特定出版社訂購的資源，進行分析了解學校的需求是否與現有訂購的資源有符合
- InCites可透過三者方式快速分析
 1. Reports模組中可利用Organization Report中的Journal Utilization進行多維度分析
 2. 本月新推出的Publisher Report功能
 3. 進入Publication Source模組進行客製化的細部分析



Organization Report- Journal Utilization



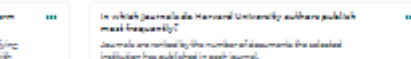
Organization Name

Harvard University ×

harvar

Date range: 2000 - 2021 Dataset: InCites Dataset ☒ Include ESCI documents ⓘ

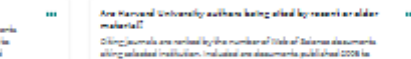
2.點選期刊運用分析



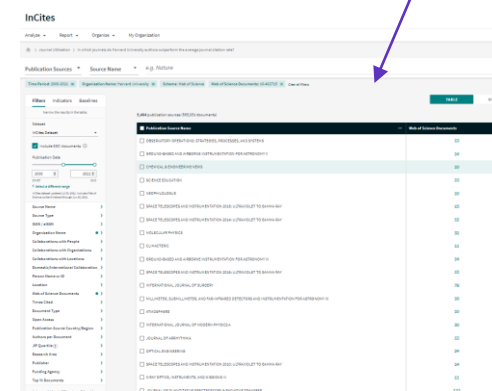
機構所引用的期刊概況



機構被引用的期刊概況



3.針對想細看的內容 點選View data進行分析



Publisher Report



Thank you



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Jack.Lee@clarivate.com