

Helping researchers stay on top of their game

學術知識圖 譜平台

Enable by Microsoft Academic Graph

智域國際



Microsoft Academic Graph



- Browse 10,000,000,000,000 web pages
- Read 1,000,000,000 scholarly articles
 - Period: over 1.5 centuries
- Knowledge graph contains
 - Publications (+ patents)
 - Citations (+ contexts)
 - Fields of Study /Concepts
 - Authors
 - Organizations
 - Venues



MAG 包含內容

微軟知識圖譜(MAG)是結構化學術出版物的知識圖譜, 其中包含**出版論文**、**作者**、**研究單位 (機構)**、**出版位置 (刊物和會議)**、**研究 (課題) 領域**。

它有助於對出版物輸出、影響力、協作等進行強大的**科學計量分析**。

收錄了**2.44**億篇論文，其中包含**2.59**億位作者，**74萬**個主題，**4,517**個會議，**48,964**部期刊，**25,802**間研究機構

	244,466,366 Publications
	259,446,854 Authors
	742,232 Topics
	4,517 Conferences
	48,964 Journals
	25,802 Institutions

Updated : 2020/10/16

同質搜尋引擎比較

	Google Scholar	Microsoft Academic	BASE	CORE	Science.gov	Semantic Scholar	Baidu Scholar	Scopus
涵蓋範圍	2億 (未公開)	2.44億	1.66億	1.79億	2億	1.84億	2億	7.7千萬
提供摘要	✓	✓	✓	✓	✓	✓	✗	✓
相關文章	✓	✓	✗	✓	✗	✓	✓	✓
文獻	✓	✓	✗	✗	✗	✓	✓	✓
被引用	✓	✓	✗	✗	✗	✓	✗	✓
全文連結	✓	✓	✓ (僅部分)	✓ (僅部分)	✓ (僅部分)	✓	✓	✓
輸出格式	APA, MLA, Chicago, Harvard, Vancouver, RIS, BibTeX	APA, MLA, BibTeX	RIS, BibTeX	BibTeX	APA, MLA, RIS, BibTeX(僅部分)	APA, MLA, Chicago, BibTeX	APA, MLA, RIS, BibTeX	✗

MAG資料覆蓋率

Distribution of Publication Types

Publications (242,809,555)



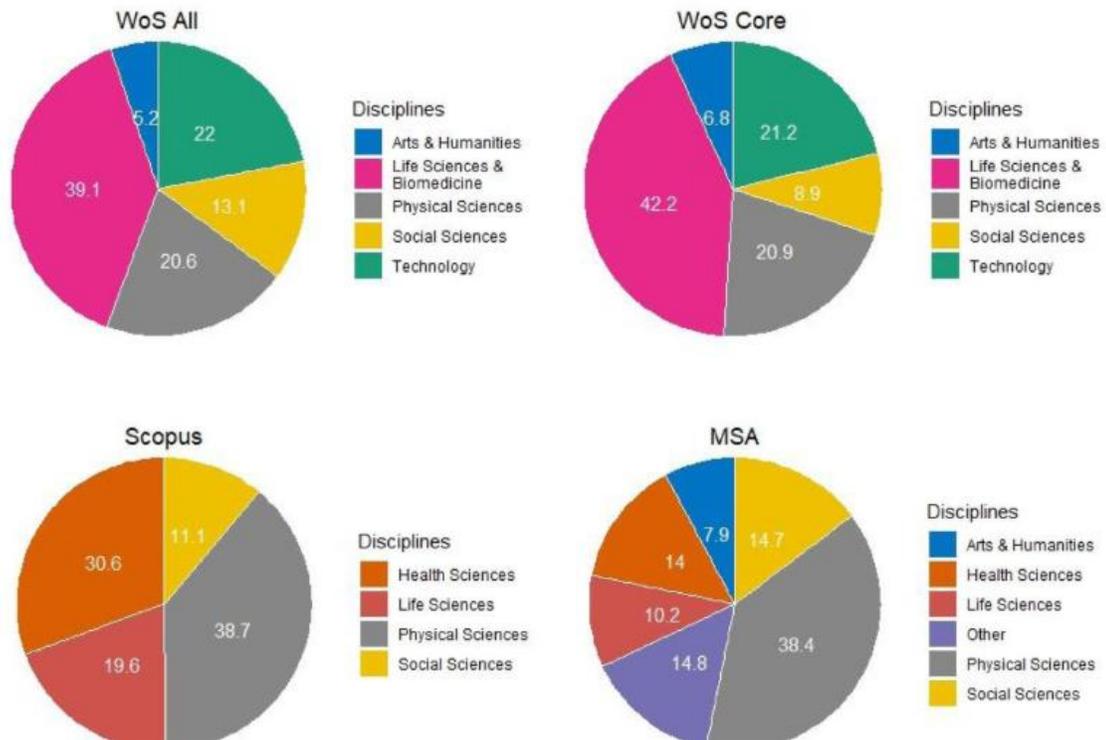
有確切收錄資訊的論文約
93,105,723 篇，約佔發布總量的
38.188%，其餘論文微軟透過爬
 蟲及其他特定合作資料庫進行
 授權。

DisplayName	Publisher	PaperCount	PaperFamilyCount	CitationCount
Nature		256576	256575	16268083
Science		190340	190340	14034113
Proceedings of the National Academy of		140856	140856	14557170
Journal of Biological Chemistry		193114	193114	12809636
Journal of the American Chemical Societ		189854	189854	8984203
Physical Review Letters		137989	137988	6974300
The New England Journal of Medicine		98800	98797	7338498
The Lancet		223897	223897	6140852
Physical Review B		201126	201126	5515215
JAMA		146584	146584	3937112
Applied Physics Letters		125659	125659	4346069
BMJ		268213	268213	3020603
Journal of Applied Physics		141081	141081	3486318
Journal of Chemical Physics		136577	136577	4998331
Cell		21922	21922	5508259
ChemInform		723485	723485	269232
Circulation		109077	109077	4601265
Journal of Geophysical Research		109687	109687	4667831
Cancer Research		136403	136403	3827470
Angewandte Chemie		113819	113819	3802041
Blood		135991	135991	3747198
The Astrophysical Journal		119166	119166	4705642
Journal of Immunology		81654	81654	4006878
Biochimica et Biophysica Acta		112833	112833	3592840
PLOS ONE		226977	226977	4563612
Journal of Clinical Investigation		31245	31245	3321154
Physical Review		46065	46065	1629712
Biochemistry		80341	80341	3023711
Journal of Clinical Oncology		111923	111923	2670887
Lecture Notes in Computer Science		48571	48569	428133
Physical Review D		110275	110275	2526211

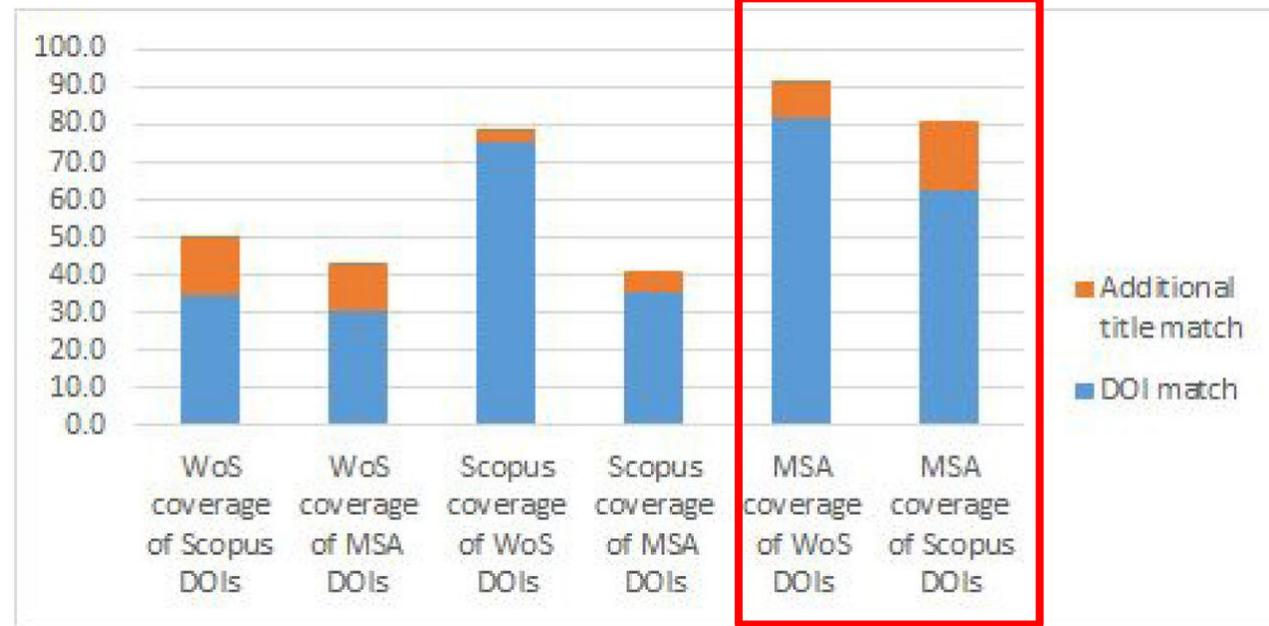
Journal Conference List

MAG資料覆蓋率

根據科廷大學 (Curtin University) 研究，顯示MAG實際資料佔比最為均勻如附圖1，且對比WoS及Scopus資料覆蓋率是相對最高的如附圖2所示，MAG涵蓋超過90%WOS資料及80%Scopus資料。



附圖1



附圖2

MAG 線上應用

<https://academic.microsoft.com/home>

Microsoft Academic
andrew y ng
×
🔍
”
Sign up / Sign in

FILTER BY:
Showing 1-10* of 280 (3.248 seconds)
VIEW SORT BY RELEVANCE ▼

Time (發布年份)

FROM 1982 ▼ TO 2020 ▼

Top Topics (主要發表領域)

- Artificial intelligence
- Computer science
- Machine learning
- Pattern recognition
- Probabilistic latent semantic ...
- Dirichlet-multinomial distrib...
- Dynamic topic model
- Latent Dirichlet allocation
- Natural language processing
- Deep learning

MORE

Publication Types (發表類型)

- Conference publications
- Journal publications
- Repository papers
- Other
- Patents

Latent dirichlet allocation 31,684 citations* for all 31,605 citations* (被引用次數)

2003 JOURNAL OF MACHINE LEARNING RESEARCH

David M. Blei¹, Andrew Y. Ng², Michael I. Jordan¹

¹ University of California, Berkeley, ² Stanford University

Variational message passing Topic model Probabilistic latent semantic analysis

View More (10+) ▼

We describe latent Dirichlet allocation (LDA), a generative probabilistic model for collections of discrete data such as text corpora. LDA is a three-level hierarchical Bayesian model, in which each item of a collection is modeled as a finite mixture over an underlying set of topics. Each topic is, ...

View Full Abstract ▼

Latent Dirichlet Allocation 79 citations*

2001 NEURAL INFORMATION PROCESSING SYSTEMS

View More ▼

Large Scale Distributed Deep Networks 2,547 citations*

2012 NEURAL INFORMATION PROCESSING SYSTEMS

Jeffrey Dean, Greg Corrado, Rajat Monga, Kai Chen, Matthieu Devin see all 12 authors

Google

Stochastic gradient descent Software framework Multi-core processor View More (8+) ▼

Recent work in unsupervised feature learning and deep learning has shown that being able to train large models can dramatically improve performance. In this paper, we consider the problem of training a deep network with billions of parameters using tens of thousands of CPU cores. We have developed a...

View Full Abstract ▼

Andrew Y. Ng
STANFORD UNIVERSITY

Andrew Yan-Tak Ng (Chinese: 吳恩達; born 1976) is a Chinese-American businessman, computer scientist, investor, and writer. He is focusing on machine learning and AI. As a businessman and investor, Ng co-founded and led Google Brain and was a former Vice President and Chief Scientist at Baidu, building... MORE

PAPERS (250) CITATIONS* (127,479)

Authors with similar name

Andrew Y. Ng 🔍

Top co-author: Buddha P. Roy

PAPERS (1) CITATIONS* (8)

Andrew Y. Ng 🔍

Top co-author: Mykhaylo Andriluka

PAPERS (1) CITATIONS* (199)

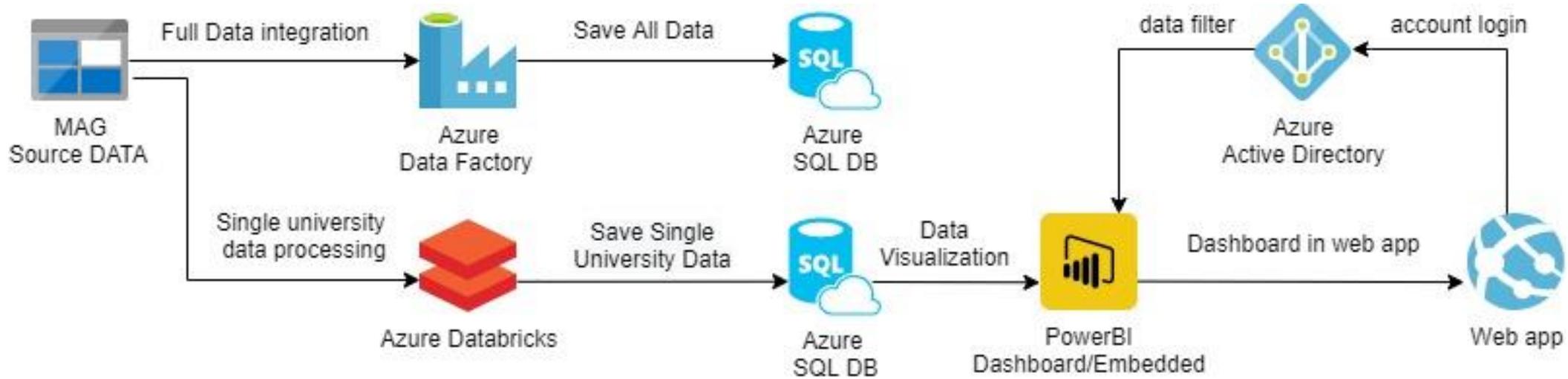
Andrew Y. Ng 🔍

Top co-author: Adam Coates

PAPERS (8) CITATIONS* (1,810)

Insight(1) – Data & Schema

- 每月平均更新新增論文約1百萬筆, 每月平均更新新增作者數量約50萬筆



搜尋 (Ctrl+)

- 概觀
- 活動記錄
- 標籤
- 診斷並解決問題
- 存取控制 (IAM)
- 資料轉送
- 事件
- 儲存體總管 (預覽)
- 設定

搜尋

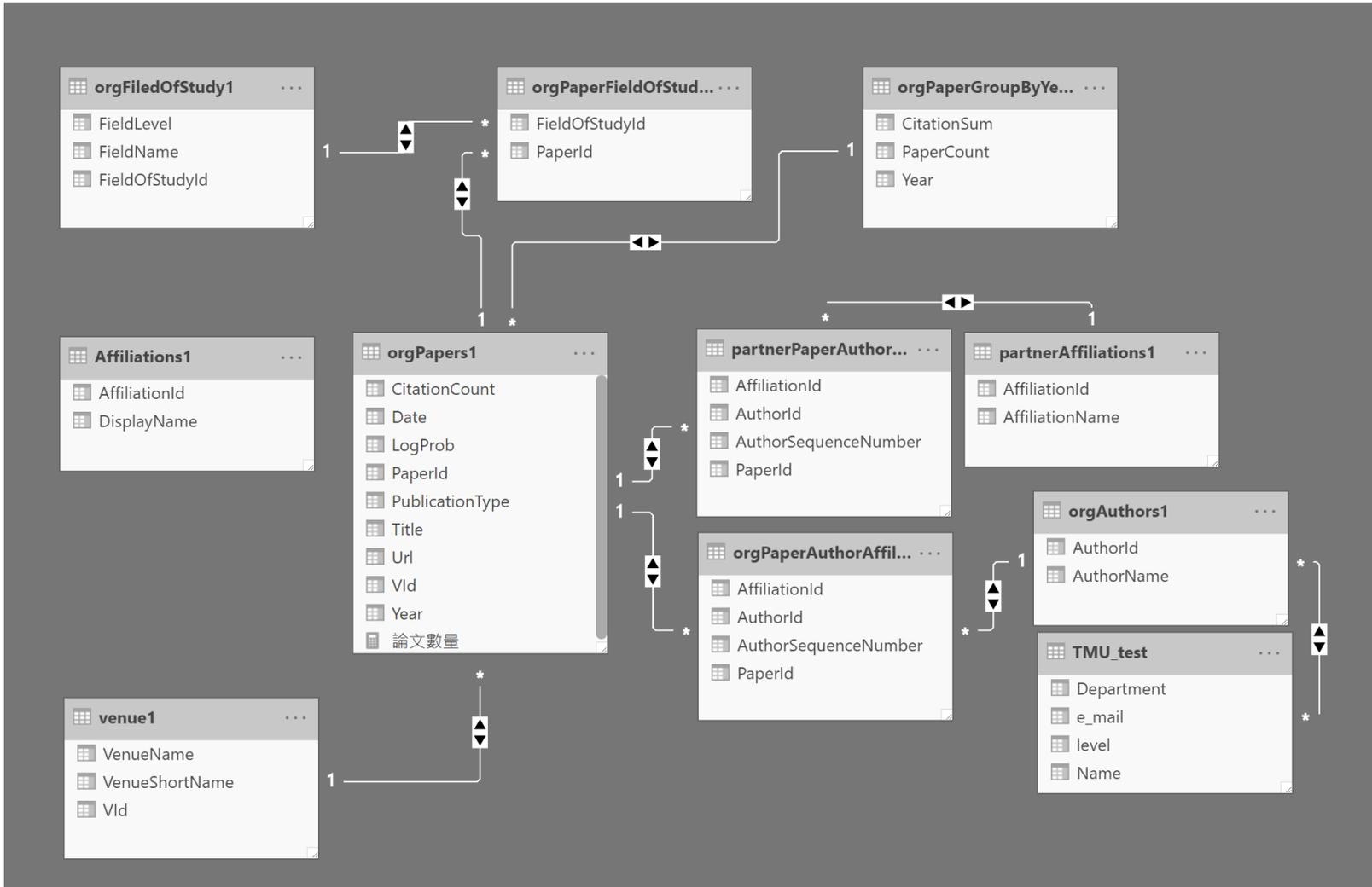
- BLOB 容器
- mag-2020-08-13
- mag-2020-08-18
- mag-2020-09-01
- mag-2020-09-11
- mag-2020-09-14
- mag-2020-09-25
- mag-2020-10-01
- mag-2020-10-08
- mag-2020-10-15
- mag-demodata
- 檔案共用

上傳 [下載] [開啟] 新增資料夾 複製 URL 全選 複製 貼上 更多

← → ↑ ↓ 使用中的 Blob (預設) mag-2020-10-15 > mag Search by prefix (case-sensitive)

名稱	存取層	上次修改存取層的時間	上次修改時間	BLOB 類型	內容類型	大小	狀態	剩餘天數
Affiliations.txt	Cool (推斷)		2020/10/20 上午10:03:01	區塊 Blob	application/octet-stream	5.0 MB	Active	
AuthorExtendedAttributes.txt	Cool (推斷)		2020/10/20 上午10:03:03	區塊 Blob	application/octet-stream	15.7 MB	Active	
Authors.txt	Cool (推斷)		2020/10/20 上午10:08:45	區塊 Blob	application/octet-stream	16.2 GB	Active	
ConferenceInstances.txt	Cool (推斷)		2020/10/20 上午10:03:07	區塊 Blob	application/octet-stream	2.5 MB	Active	
ConferenceSeries.txt	Cool (推斷)		2020/10/20 上午10:03:00	區塊 Blob	application/octet-stream	449.5 KB	Active	
Journals.txt	Cool (推斷)		2020/10/20 上午10:03:05	區塊 Blob	application/octet-stream	5.9 MB	Active	
PaperAuthorAffiliations.txt	Cool (推斷)		2020/10/20 上午10:10:09	區塊 Blob	application/octet-stream	46.3 GB	Active	
PaperExtendedAttributes.txt	Cool (推斷)		2020/10/20 上午10:03:50	區塊 Blob	application/octet-stream	2.6 GB	Active	
PaperReferences.txt	Cool (推斷)		2020/10/20 上午10:07:40	區塊 Blob	application/octet-stream	35.9 GB	Active	
PaperResources.txt	Cool (推斷)		2020/10/20 上午10:03:02	區塊 Blob	application/octet-stream	8.0 MB	Active	
Papers.txt	Cool (推斷)		2020/10/20 上午10:13:18	區塊 Blob	application/octet-stream	65.7 GB	Active	
PaperUrls.txt	Cool (推斷)		2020/10/20 上午10:12:14	區塊 Blob	application/octet-stream	29.2 GB	Active	

Data & Schema



TableName	BlobDataSize
ConferenceSeries	426.07 KB
ConferenceInstances	2.44 MB
Affiliations	4.82 MB
Journals	5.72 MB
PaperResources	8.26 MB
FieldOfStudyChildren	19.34 MB
FieldOfStudyExtendedAttributes	32.56 MB
FieldsOfStudy	56.21 MB
RelatedFieldOfStudy	289.28 MB
EntityRelatedEntities	463.53 MB
PaperExtendedAttributes	2.37 GB
Authors	14.45 GB
PaperUrls	25.18 GB
PaperReferences	33.78 GB
PaperFieldsOfStudy	40.3 GB
PaperAuthorAffiliations	42.04 GB
PaperCitationContexts	48.72 GB
Papers	61.32 GB
PaperRecommendations	79.7 GB
PaperAbstractsInvertedIndex	196.43 GB

Insight (2) - Field of Study

Topic Filter

All > ... > Disease

Search for a topic

Parent Topics

🏠 Diabetes mellitus

Current Topic

🏠 Disease

Child Topics

🏠 Acute-phase protein

🏠 Adrenal Cortex Diseases

🏠 Age of onset

🏠 Alzheimer's disease

🏠 Amyloid

🏠 Amyotrophic lateral sclerosis

🏠 Ankylosing spondylitis

🏠 Apolipoprotein E

🏠 Arterial stiffness

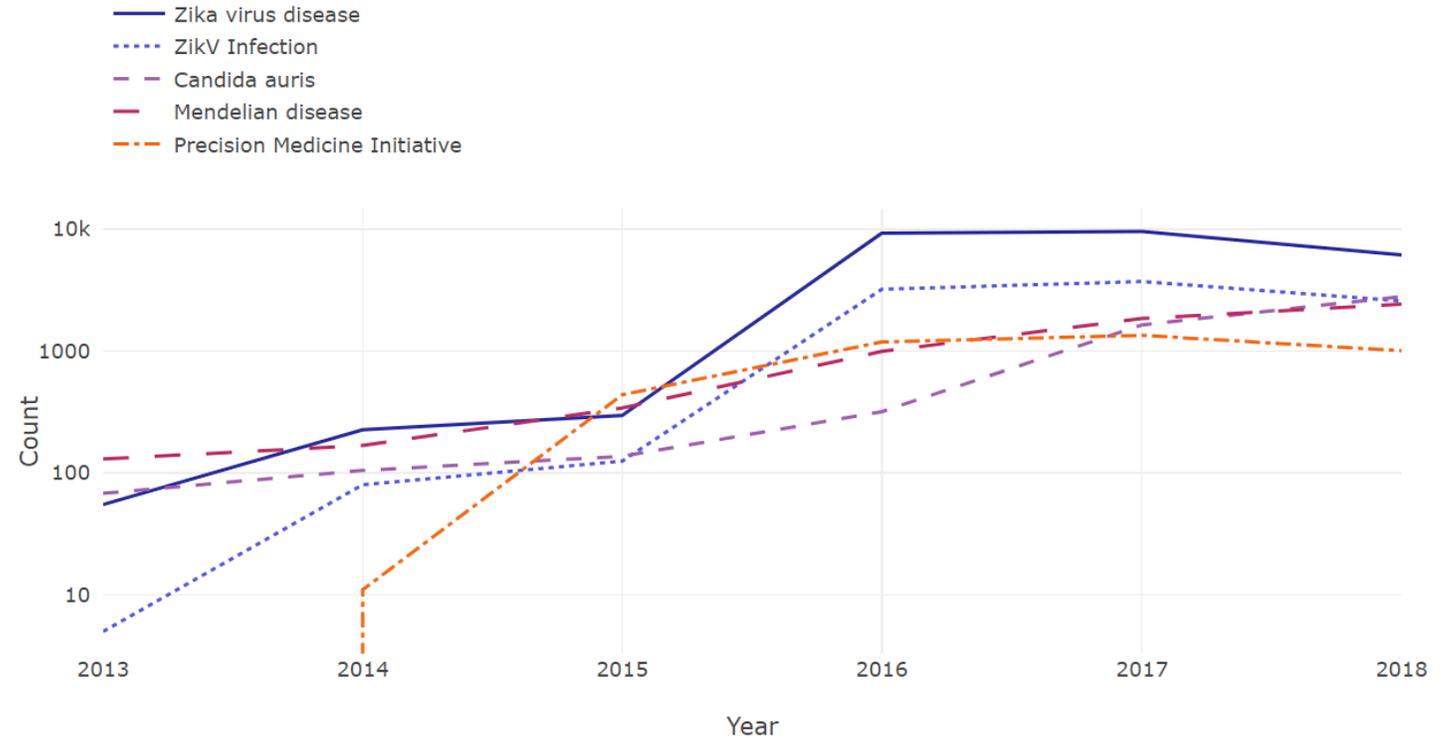
🏠 Arthritis

View More (140+) ▾

Trending Topics in Disease



Based on citation growth rate in the past 5 years.



FieldOfStudy example COVID-19

Parent Topics
代表根領域

Child Topics
代表子領域

Related Topics
代表相關領域

Coronavirus disease 2019 (COVID-19)

 25,709 Papers  52,765 Citations*

Definition

COVID-19 is a new illness that can affect your lungs and airways. It's caused by a virus called coronavirus.

Website Links

webmd.com

Topics

Parent Topics

 Infectious disease (medical specialty)

Related Topics

 Medicine  Severe acute respiratory syndrome coronavirus 2  2019-20 coronavirus outbreak  Pandemic  Virology  Coronavirus

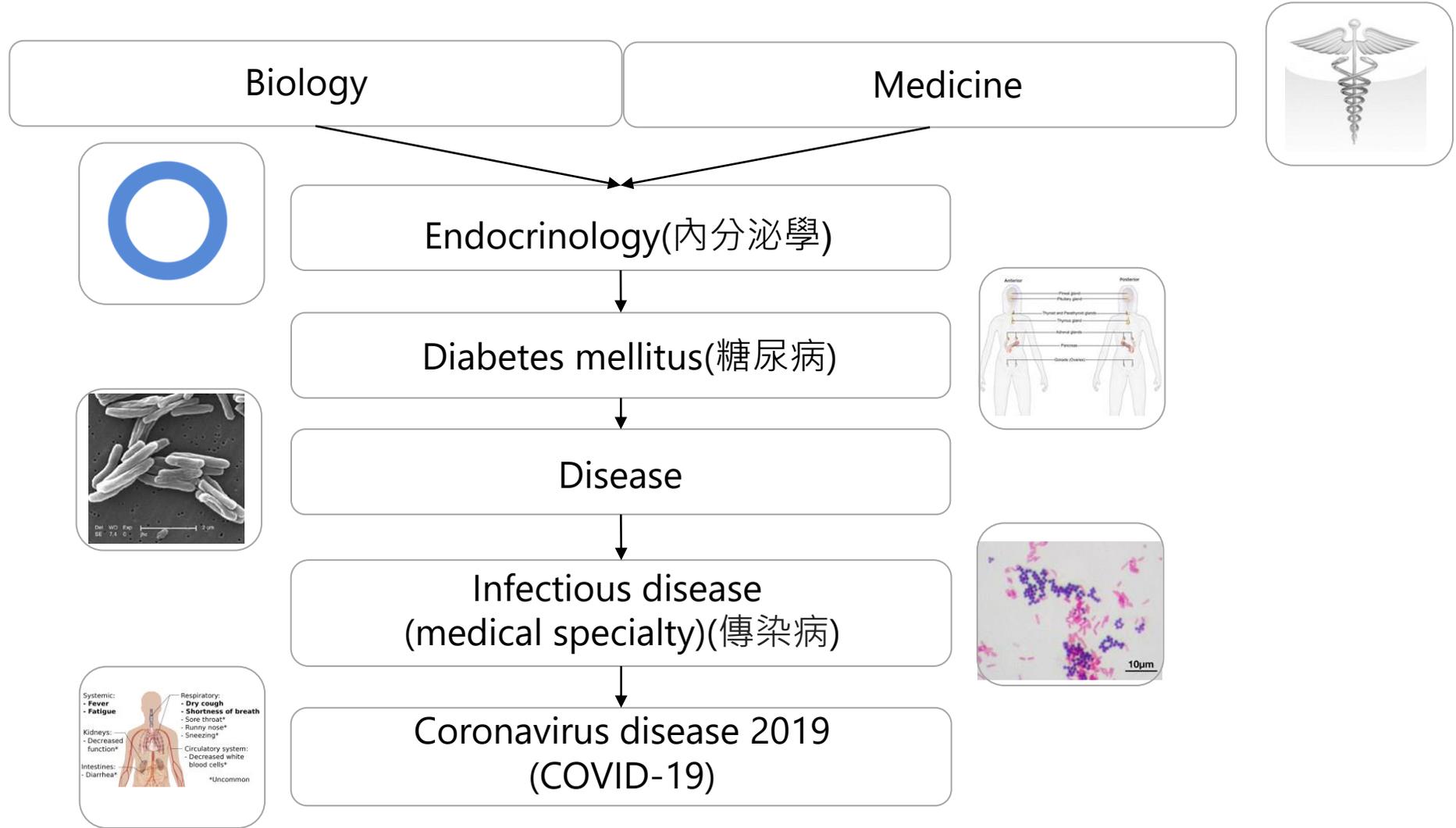
 Surgery  MEDLINE  Outbreak  Internal medicine  Intensive care medicine  China  Diabetes mellitus  Biology  Disease

 Transmission  Pathology  Medical emergency  Immunology  Public health [View Less ^](#)

右下角可以點開進行實際展示

FieldOfStudy example COVID-19

以COVID-19為例的領域子母關係



Insight(3) - 資料重疊發布情形

同一篇論文不同的改版會以不同的文章形式進行收錄，但會有母文章，節錄全部的發布引用情形。

The screenshot shows the Microsoft Academic search results for the author Kaiming He. The interface includes a sidebar with filters for 'Top Topics' (Artificial intelligence, Computer science, Pattern recognition, Object detection, Machine learning, Artificial neural network, Computer vision, Residual, Test set, Convolutional neural network) and 'Publication Types' (Conference publications, Repository papers, Journal publications, Patents). The 'Top Authors' section lists Kaiming He, Jian Sun, Shaoqing Ren, and Xiangyu Zhang. The main content area displays a list of publications. The top result is 'Vanishing gradient problem' (Test set, Residual) with 10+ citations. Below it is 'Deep Residual Learning for Image Recognition' (2015 ARXIV: COMPUTER VISION AND PATTERN RECOGNITION) with 3,170 citations. The third result, 'Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks' (2017 IEEE TRANSACTIONS ON PATTERN ANALYSIS AND MACHINE INTELLIGENCE), is highlighted with a red box. This result shows 16,648 citations for all versions and 3,675 citations for the specific version. The authors listed are Shaoqing Ren¹, Kaiming He², Ross Girshick³, and Jian Sun², with affiliations: ¹ University of Science and Technology of China, ² Microsoft, ³ Facebook. The fourth result is 'Faster R-CNN: towards real-time object detection with region proposal networks' (2015 NEURAL INFORMATION PROCESSING SYSTEMS) with 9,570 citations. The fifth result is another version of 'Faster R-CNN: Towards Real-Time Object Detection with Region Proposal Networks' (2015 ARXIV: COMPUTER VISION AND PATTERN RECOGNITION) with 3,403 citations.

MAG 中文化(人名, 研究機構)

MAG提供中國教授人名參照，目前約69萬個教授進行相對應參照。

台灣部分若學校允許，則可快速建置。

人名參照

教授中文名	教授英文名	大學eng	大學	學院	系所
古安	Y.U. Ku	National Chengchi University	政治大學	文學院	中國文學系
古安	Ku, Y.U.	National Chengchi University	政治大學	文學院	中國文學系
古安	Ku, Yu-An	National Chengchi University	政治大學	文學院	中國文學系
古安	Yu-An Ku	National Chengchi University	政治大學	文學院	中國文學系
呂明	C.H. Lu	National Chengchi University	政治大學	文學院	中國文學系
呂明	Lu, C.	National Chengchi University	政治大學	文學院	中國文學系
呂明	Lu, Chao-Ming	National Chengchi University	政治大學	文學院	中國文學系
呂明	Chao Ming Lu	National Chengchi University	政治大學	文學院	中國文學系
宋珊	Y.U. Sung	National Chengchi University	政治大學	文學院	中國文學系
宋珊	Sung, Y.U.	National Chengchi University	政治大學	文學院	中國文學系
宋珊	Sung, Yun-Shan	National Chengchi University	政治大學	文學院	中國文學系
宋珊	Yun-Shan Sung	National Chengchi University	政治大學	文學院	中國文學系
車健	C. Che	National Chengchi University	政治大學	文學院	中國文學系
車健	Che, C.	National Chengchi University	政治大學	文學院	中國文學系
車健	Che, Hsing-Chien	National Chengchi University	政治大學	文學院	中國文學系
車健	Che, Hsing-Chien	National Chengchi University	政治大學	文學院	中國文學系
周煌	C.H. Chou	National Chengchi University	政治大學	文學院	中國文學系
周煌	Chou, C.H.	National Chengchi University	政治大學	文學院	中國文學系
周煌	Chou, Chih-Huang	National Chengchi University	政治大學	文學院	中國文學系

MAG人名參照

AuthorExtendedAttributes - 記事本

檔案(F) 編輯(E) 格式(O) 檢視(V) 說明

檔案(F)	編輯(E)	格式(O)	檢視(V)	說明
4038052	1			郝均
13772676	1			王璋
19895283	1			汤颖
20325981	1			王宇
28950106	1			陈铭
35168414	1			陈刚
37172629	1			陈郭
38640429	1			陈刚
45874883	1			杨孙
51593008	1			彭宁
55853649	1			汤艳
60152244	1			陈亮
103228277	1			张吴
106220589	1			张军
107140170	1			侯花
115771842	1			金封
121149887	1			邓白
124705081	1			汤猷
126743660	1			张明
128231162	1			周策
130531935	1			沈用
131354520	1			王乐
142676925	1			王彭
146148284	1			王海
152148550	1			张林
154491240	1			王芝
159770166	1			张郭
170513195	1			王全
184488143	1			聂强
186301161	1			张训
188718954	1			徐强
189800579	1			曾钦
				范宇

應用服務 - Basic

Datawarehouse
(Data Service)

單位研究概觀

學校競合分析

研究領域追蹤

整合校務研究

Application Platform
(Web Service)

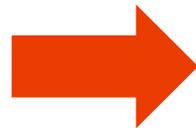
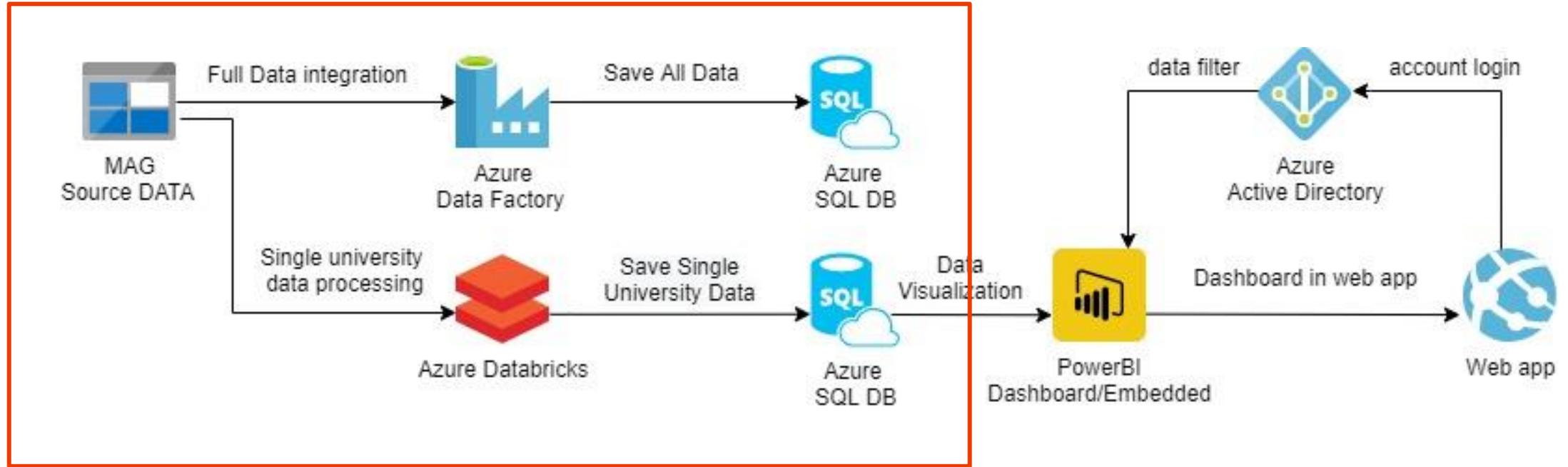
戰情室儀表版

研發資料取得

搜尋推薦平台

論文摘要比對

服務架構

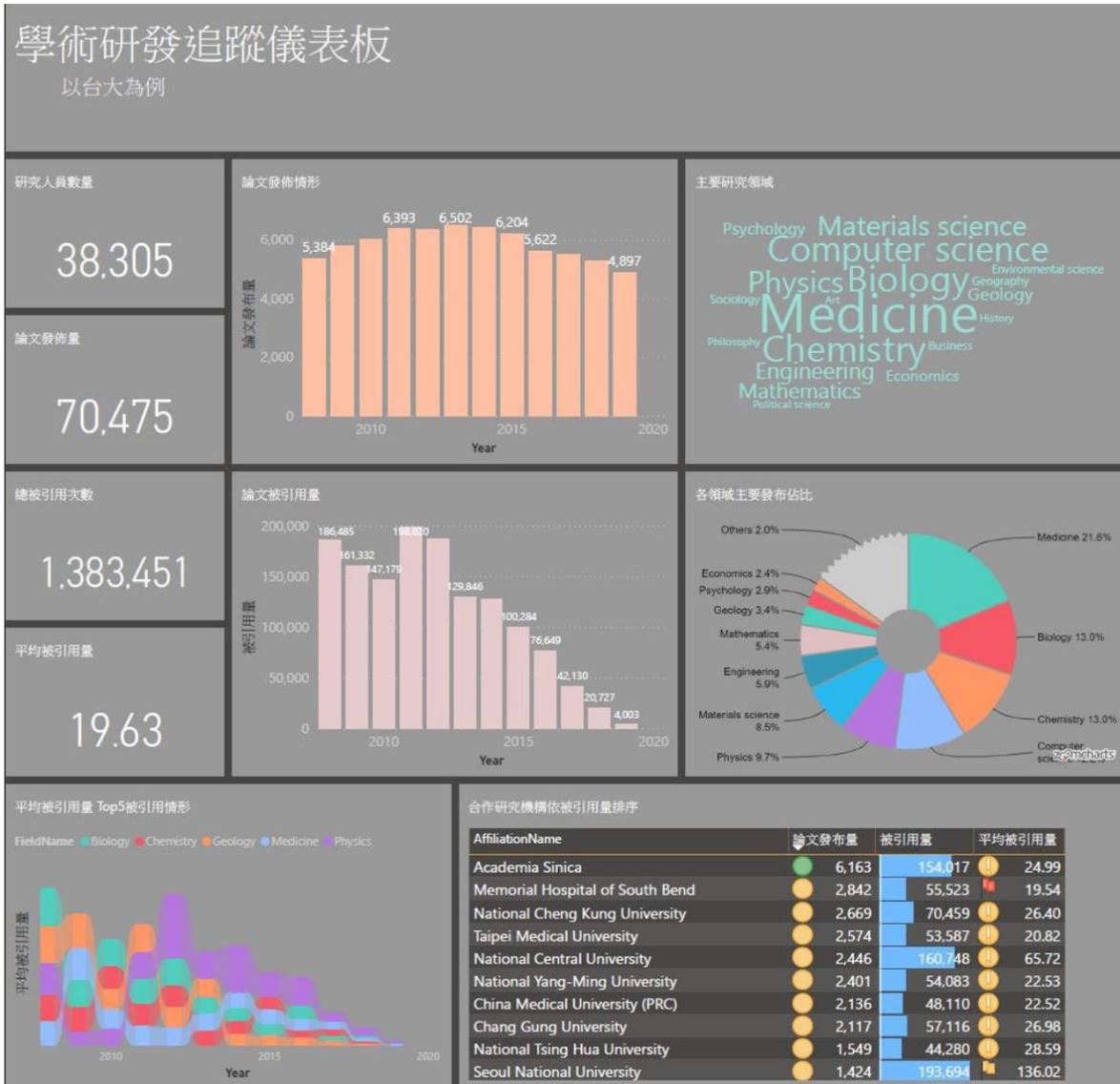


- ✓ SQL 資料來源 (500MB)
- ✓ PBI Report (3 張)



- ✓ 2 hrs PBI training

戰情室儀表版



追蹤研究人員研究情形，包含以下的統計量值：

- ✓ 研究人員總數
- ✓ 論文發布數量
- ✓ 論文被引用次數
- ✓ 論文平均被引用量
- ✓ 論文近年發佈情形
- ✓ 論文近年被引用情形
- ✓ 主要研究領域分布及佔比
- ✓ 合作研究產出情形
- ✓ 平均被引用量TOP5被引用情形

戰情室儀表版 (1) – 研究概觀

臺灣大學研究概觀

年份篩選

2008 2021

研究人員數量
41,403

論文發佈量
81,258

總被引用次數
1,271,841

平均被引用量
15.65

研究人員平均被引用量排序

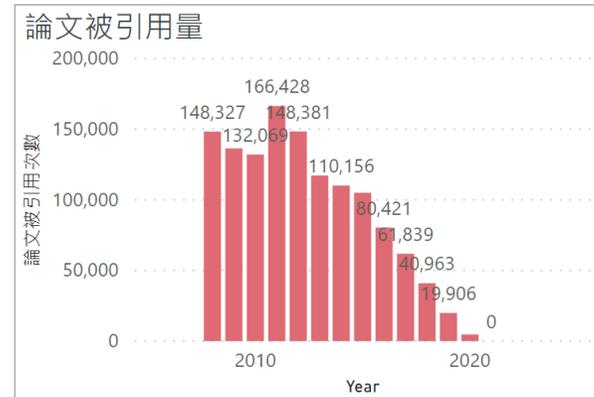
Search

Chih-Chung Chang	3136
Chih-Jen Lin	569
Jung-Chen Chang	519
J. T. Wei	411
Kai-Wei Chang	341
Y. Velikzhanin	290
Wei-Pang Huang	244
S.-W. Lin	1
Li-Chung Hsu	1
C. C. Wang	1
Si Han Wu	1

i 此排序僅收錄論文發布量大於10之研究人員

主要研究領域

Topic Level: 0



發佈位置(期刊、會議)

Search

PLOS ONE	1401
Journal of the Formosan Medical Association	1129
Scientific Reports	956
Journal of High Energy Physics	519
Proceedings of SPIE	398
Cancer Research	3...
European Physical Journal C	3...
Optics Express	3...

戰情室儀表版 (2) – 研究人員

臺灣大學研究人員研究領域

年份篩選

2008 2021

論文數量
74

被引用數量
42,131

平均被引用量
569.34

HIndex
48

研究人員依HIndex排序

lin [Clear All](#)

Chih-Jen Lin

Paolo Bartalini	71
Sun-Lin Chung	65
Jen-Kun Lin	59
Feng-Huei Lin	51
Jaw-Town Lin	49
Wan-Wan Lin	46
Jou-Wei Lin	42

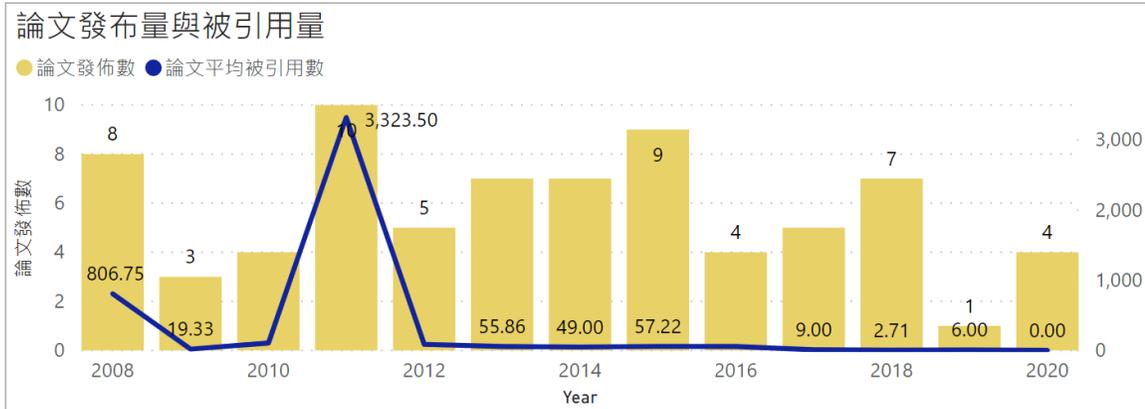
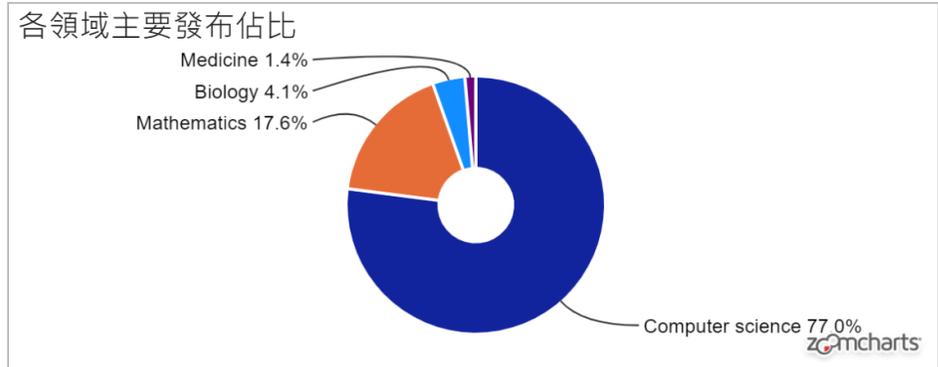
論文主要研究領域

Computer science

Medicine Mathematics Biology

Topic Level

0

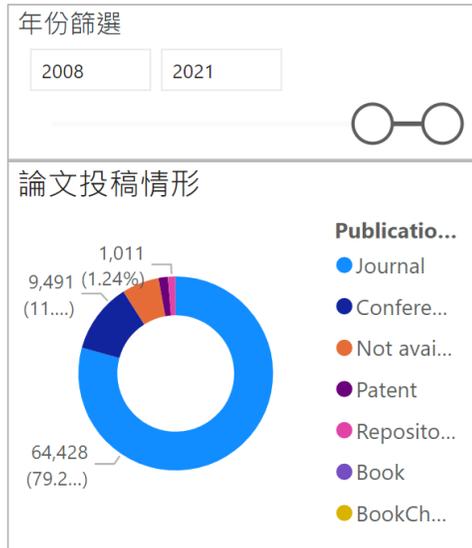


論文依被引用量排序

Url	Year	論文被引用次數	Title
2015	2015	349	a comparison of methods for multi class support vector machi
2008	2008	72	parallel spectral clustering
2015	2015	11	warm start for parameter selection of linear classifiers
2012	2012	179	recent advances of large scale linear classification
2010	2010	57	large linear classification when data cannot fit in memory
2012	2012	28	multiclass linear classification using...

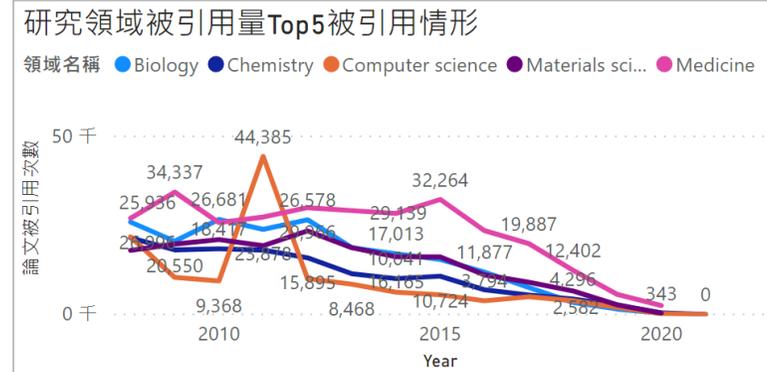
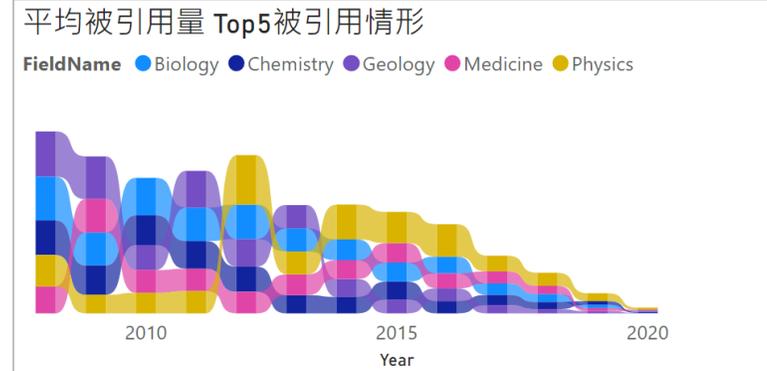
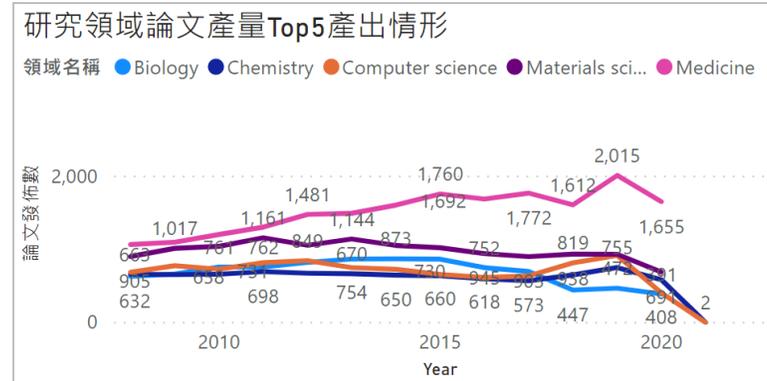
戰情室儀表版 (3) – 發佈單位

臺大研究領域及發佈單位



論文發布單位(期刊、會議)

VenueName	論文發佈數	論文被引用次數	論文平均被引用數
Aaps Journal	3	30	10.00
AASRI Procedia	1	2	2.00
Abacus	2	13	6.50
Abdominal Radiology	1	1	1.00
Abstract and Applied Analysis	1	0	0.00
Academic Emergency Medicine	4	64	16.00
Academic Medicine	6	75	12.50
總計	65,433	1,197,080	18.29



戰情室儀表版 (4) – 研究領域

臺大研究領域查詢

年份篩選

2008 2021

Topic Level

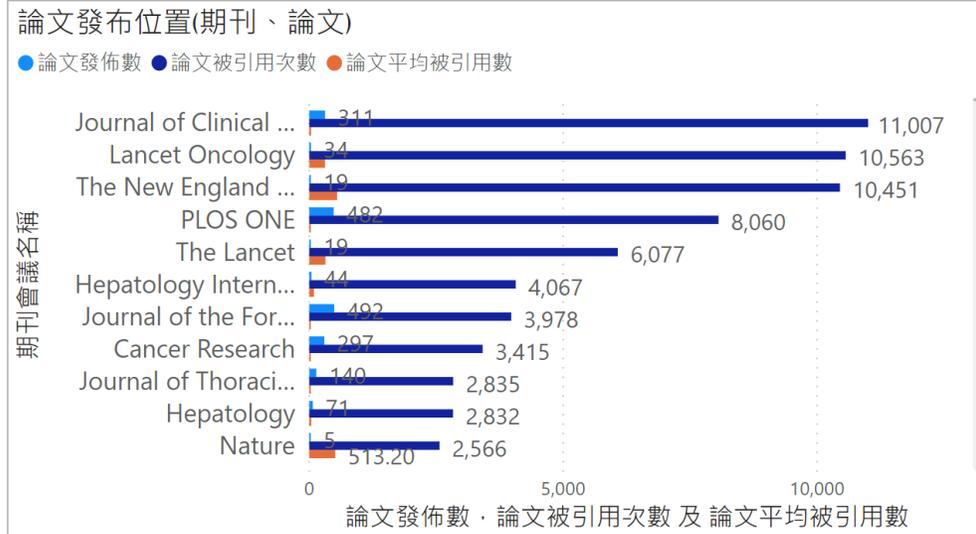
1

研究領域依被引用量排序

Search [Clear All](#)

Surgery Internal medi... Cancer resea...

Particle physics	56966
Nanotechnology	56273
Optoelectronics	52843
Immunology	51469
Machine learning	51351
Nuclear physics	47114
Artificial intelligence	45569
Cell biology	44370
Chemical engineering	38439
Biochemistrv	36541



研究機構人員論文產量及被引用排序

Url	AuthorName	Year	CitationCount	Title
Chih-Hsin Yang	Chih-Hsin Yang	2009	5415	gefitinib or carboplatin paclitaxel in
Ann-Lii Cheng	Ann-Lii Cheng	2009	3179	efficacy and safety of sorafenib in p hepatocellular carcinoma a phase ii
James Chih-Hsin Yang	James Chih-Hsin Yang	2013	1661	phase iii study of afatinib or cisplati adenocarcinoma with egfr mutator
Tang-Long Shen	Tang-Long Shen	2015	1446	tumour exosome integrins determir
Song-Nan Chow	Song-Nan Chow	2009	1237	efficacy of human papillomavirus hp infection and precancer caused by c double blind randomised study in y
James Chih-Hsin Yang	James Chih-Hsin Yang	2015	1046	azd9291 in egfr inhibitor resistant n
Enrique Rivas	Enrique Rivas	2014	987	secukinumab in plaque psoriasis res
Chiun Hsu	Chiun Hsu	2017	951	nivolumab in patients with advance

戰情室儀表版 (5) - 合作機構

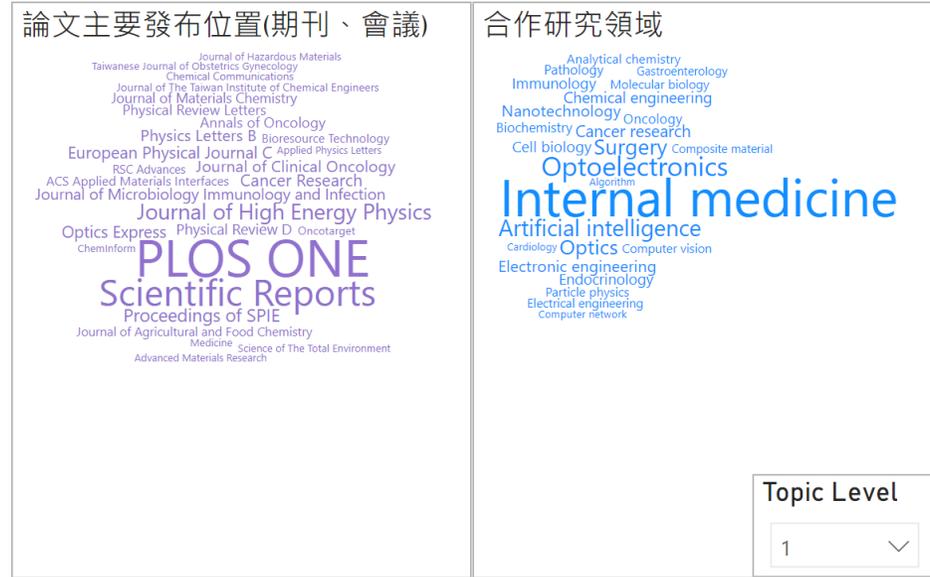
臺大合作研究機構及研究產出情形

年份篩選

2008 2021

研究機構查詢

AffiliationName



合作研究機構依被引用量排序

AffiliationName	論文發佈數	論文被引用次數	論文平均被引用數
Academia Sinica	7,028	146,988	20.91
Memorial Hospital of South Bend	3,304	52,405	15.86
Taipei Medical University	3,051	50,902	16.68
National Cheng Kung University	3,046	62,259	20.44
National Yang-Ming University	2,813	49,856	17.72
National Central University	2,812	72,178	25.67
China Medical University (PRC)	2,483	45,326	18.25
Chang Gung University	2,437	50,196	20.60
National Tsing Hua University	1,768	38,611	21.84
Seoul National University	1,695	97,435	57.48

合作研究 論文 依 被引用次數排序

Url	Year	CitationCount	Title
libsvm	2011	32558	libsvm a library for support vector machines
planck 2015 results xiii	2016	6283	planck 2015 results xiii cosmological param
observation of a new boson	2012	6119	observation of a new boson at a mass of 12 experiment at the lhc
gefitinib or carboplatin paclitaxel	2009	5415	gefitinib or carboplatin paclitaxel in pulmon
liblinear	2008	5201	liblinear a library for large linear classific
global regional and national prevalence	2014	4960	global regional and national prevalence of c in children and adults during 1980 2013 a s the global burden of disease study 2013
a practical guide to support vector classificat	2008	4724	a practical guide to support vector classificat

戰情室儀表版 – WOS 期刊對照

MAG WOS(SCIE, SSCI)期刊對照比較

WOS SCIE SSCI 期刊總數量

12,089
期刊數量

MAG WOS共同 包含數量

11,538
期刊數量

MAG缺失期刊數量

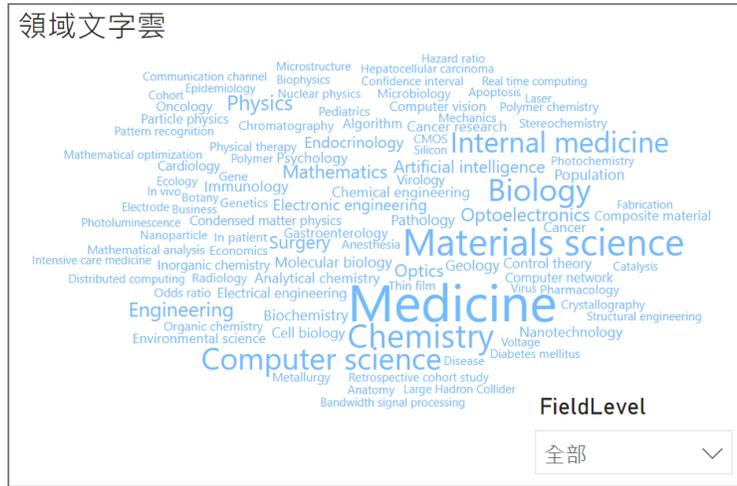
551
期刊數量

SCIE篩選

SCIE

SSCI篩選

SSCI



- 主要發布SCIE, SSCI期刊位置TOP20
- Journal of Agricultural and Food Chemistry
 - Journal of Clinical Oncology
 - Journal of Microbiology Immunology and Infection
 - Physical Review D
 - European Physical Journal C
 - Journal of High Energy Physics
 - Journal of Biomedical Science
 - Scientific Reports
 - Cancer Research
 - Journal of the Formosan Medical Association
 - Annals of Oncology
 - Physics Letters B
 - Physical Review Letters
 - PLOS ONE
 - Journal of The Chinese Chemical Society
 - Optics Express
 - Physical Review B
 - Journal of The Chinese Institute of Engineers
 - IEEE Transactions on Microwave Theory and Techniques

MAG WOS 共同包含之期刊

Title	JCR
AAPG BULLETIN	SCIE
AAPS JOURNAL	SCIE
AAPS PHARMSCITECH	SCIE
AATCC REVIEW	SCIE
ABDOMINAL RADIOLOGY	SCIE
ABHANDLUNGEN AUS DEM MATHEMATISCHEN SEMINAR DER UNIVERSITAT HAMBURG	SCIE
ACADEMIC EMERGENCY MEDICINE	SCIE
ACADEMIC MEDICINE	SCIE
ACADEMIC PEDIATRICS	SCIE

MAG缺失期刊名稱

Title	JCR
2D MATERIALS	SCIE
3 BIOTECH	SCIE
3D PRINTING AND ADDITIVE MANUFACTURING	SCIE
4OR-A QUARTERLY JOURNAL OF OPERATIONS RESEARCH	SCIE
AATCC JOURNAL OF RESEARCH	SCIE
ACM TRANSACTIONS ON ASIAN AND LOW-RESOURCE LANGUAGE INFORMATION PROCESSING	SCIE
ACM TRANSACTIONS ON INTERACTIVE INTELLIGENT SYSTEMS	SCIE

MAG 實際應用議題-COVID19

主要應用從MAG中找出與COVID19相關的論文文獻，分別由三個不同的檢索方式進行關鍵字搜尋進行相對應的文本分析，其中使用論文摘要，論文關鍵字，論文標題進行比對，找出與COVID19 相關連可能性最高的論文。

MAG COVID19 論文收錄

論文發布日期

2020/1/1 - 2020/7/23

論文發布數量

95,515

論文篩選方法

Abstract

FOS

Title

出版商排序

Publisher	PaperCount	PaperCount 的 %GT
Cold Spring Harbor Laboratory Press	5217	8.03%
Elsevier	4434	6.83%
Springer Science and Business Media LLC	3499	5.39%
John Wiley & Sons, Ltd	2872	4.42%

COVID19 論文發布狀態

CreatedDate 月	PaperCount
2020 Janu...	184
2020 Febr...	602
2020 March	4070
2020 April	11387
2020 May	22134
2020 June	21889
2020 July	18910

論文發布位置

Medical Hypotheses, Chemical Engineering News, International Journal of Environmental Research and Public Health, The New England Journal of Medicine, NEJM Journal Watch, Authorea Preprints, Cortex, Science, Dematologic Therapy, Journal of Medical Virology, Critical Care, JAMA, The Lancet, bioRxiv, Clinical Infectious Diseases, Infection Control and Hospital Epidemiology, medRxiv, Nature, BMJ, Journal of Infection, arXiv, Populations and Evolution, International Journal of Infectious Diseases, arXiv Physics and Society, Türkiye Klinikleri COVID 19, Science of The Total Environment

FOS, Title 與 Abstract 論文發布文氏圖

Legend: FOS (82K, 86%), Title (79K, 83%), Abstract (51K, 53%)

6,909 (FOS & Title), 36,607 (Title & Abstract), 1,261 (FOS & Abstract), 6,519 (FOS & Title & Abstract), 31,937 (Title & Abstract), 9,285 (FOS & Abstract), 2,997 (FOS & Title & Abstract)

MAG COVID19 論文收錄

論文總和數量

95,515

該項論文總和數量

81,972

論文關鍵字最高項目論文數量

58,865

篩選方式

多重選取項目

資料最後更新日期

2020年7月23日

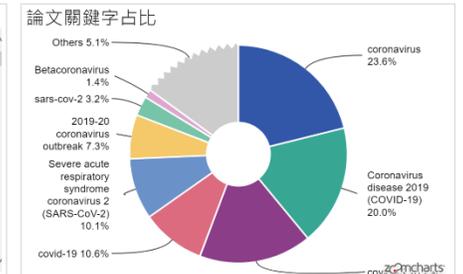
COVID19論文關鍵字

論文關鍵字出現次數排序

Description	Count
coronavirus	69,583
Coronavirus disease 2019 (COVID-19)	58,865
covid 19	55,089
covid-19	31,274
Severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2)	29,913
2019-20 coronavirus outbreak	21,525
sars-cov-2	9,529

COVID19論文關鍵句

Severe acute respiratory syndrome coronavirus 2 SARS CoV 2, coronavirus, covid 19, Coronavirus disease 2019 COVID 19, 2019 20 coronavirus outbreak

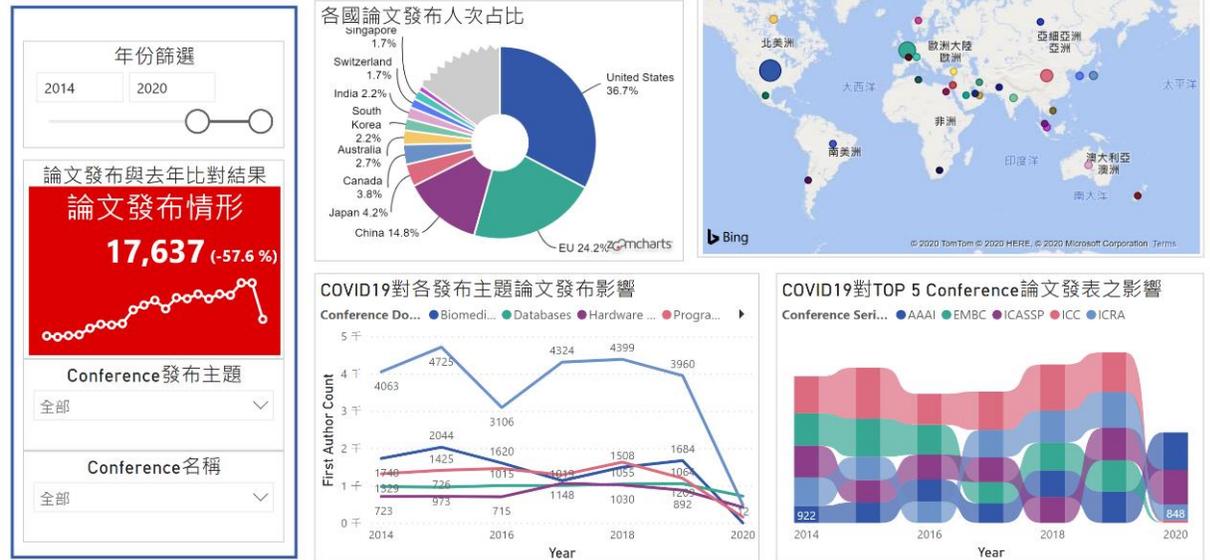


MAG實際應用議題-COVID19

以資工領域為例

將105個最具影響力的CS研討會議，透過MAG數據與研討會資訊進行結合，按地區統計出版物，對每個會議和區域的出版物進行計數，依此來觀察COVID19在今年對論文投稿的影響情形。

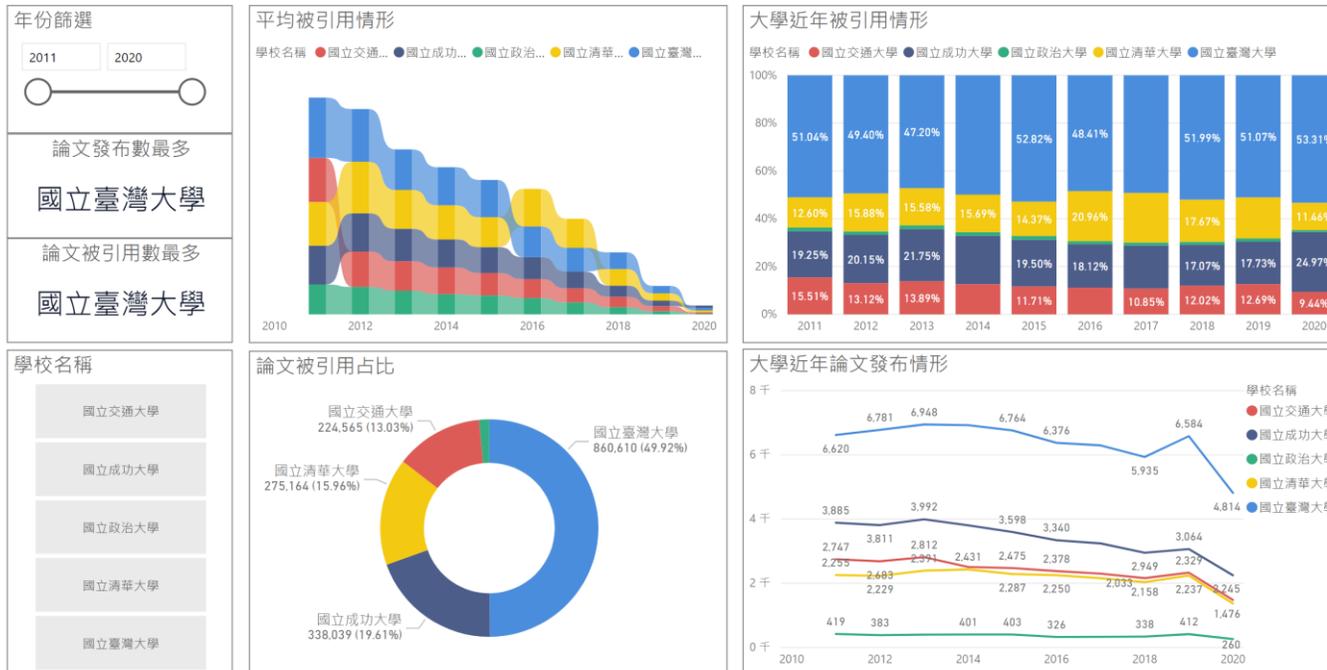
Impact of COVID-19 on the Computer Science Research Community



MAG實際應用議題-學校研究競爭關係

主要應用從MAG中找出與台灣五間頂尖大學數據，進行學術論文產出間的比較，從左邊字卡可以得到這幾年論文發布數量及被引用數量最多的 是台灣大學、平均被引用情形清華大學則在16,17年有超過台大，論文被引用占比部分台大佔了五間大學的一半，近年的被引用情形，一直都是台大領先。

學校研究競爭關係



導入規劃

為期四周的實施產品提供了快速入門，根據MAG數據和報告為關鍵決策者設計，開發和部署Microsoft Power BI儀表板。該服務通過可視化的儀表板為客戶提供學術研究和開發方面的最新動態。學術研究機構可以追蹤他們需求的不同方面，或者可以在他們的報告中找到有關他們需求的學術信息。

第1週 / 環境及需求討論

1. 設置Microsoft Azure雲服務
2. 註冊 MAG
3. 確認 最終用戶角色及其需求
4. MAG 數據分析
5. 分析來自MAG數據的數據映射計劃和關鍵績效指標 (KPI)
6. 定義客戶用戶驗收測試 (UAT) 要求

第2-3週

1. MAG數據的ETL作業
2. 提供設計和開發Microsoft Power BI報告的服務
3. 與主要利益相關者進行用戶驗收測試，以確保報告中數據的準確性和完整性

第4週

1. Power BI報表和儀表板的部署和配置
2. 提供操作指導，以便IT可以在部署的環境中管理報告

Thanks you!!