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Empowering Knowledge

科學研究需要不斷做決定。。。

如何透過文獻快速了解研究背景？
如何抓住重要文獻？
如何把握研究趨勢？

如何展示個人的學術能量，獲取更多的資金？

如何持續跟踪研究進展不掉隊？
如何找到優質合作？

如何找到相關性高+影響力高的期刊？
如何盡快發表成果？
如何找到有如天助的審稿人？

內容

- 如何全面掌握研究背景與變化趨勢
- 如何選擇優秀期刊發表研究成果
- 如何利用作者專屬研究檔案，讓研究看的見

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Number of Journals by subject area	Journals	Conference	Books
Physical Sciences 12,263	**23,507** Peer-reviewed journals	**106K** Conference events	**613** Book series
Health Sciences 13,819	**301** Trade journals	**8.3M** Conference papers	**38K** Volumes
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	Full metadata, abstracts and cited references		**1.34M** Items
			Focus on Social Sciences and A&H

Source: Scopus.com, January 30, 2018

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如何透過文獻快速了解研究背景？
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如何展示個人的學術能量，獲取更多的資金？

如何持續跟踪研究進展不掉隊？
如何找到優質合作？

如何找到相關性高+影響力高的期刊？
如何盡快發表成果？
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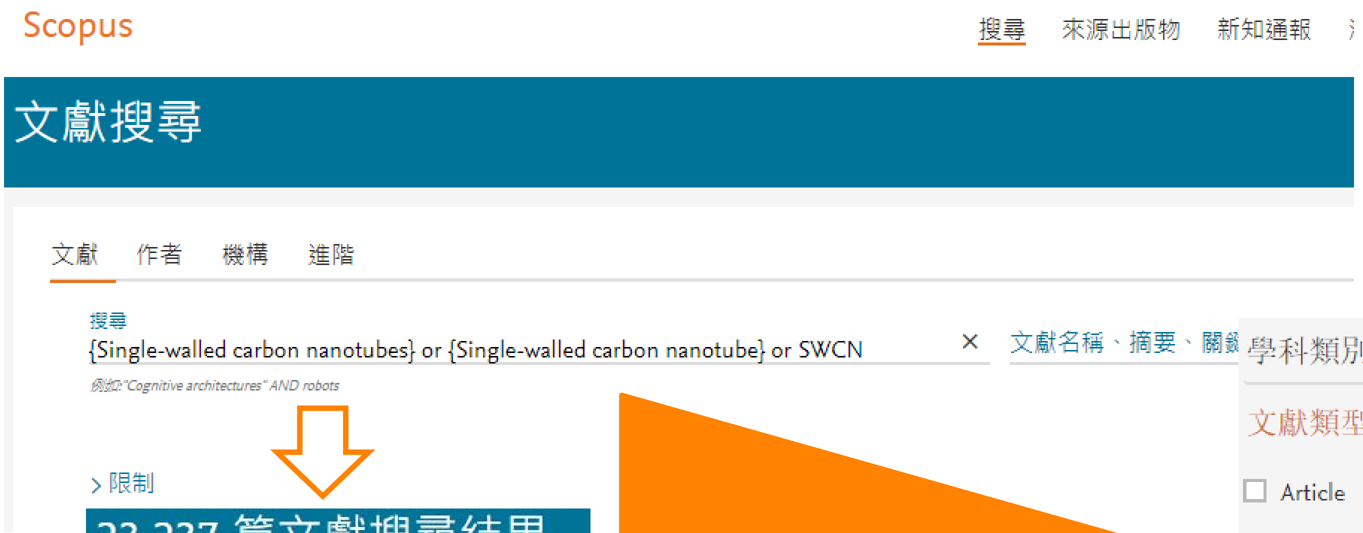
這個領域怎樣？要不要去研究？



23,237 篇文獻搜尋結果

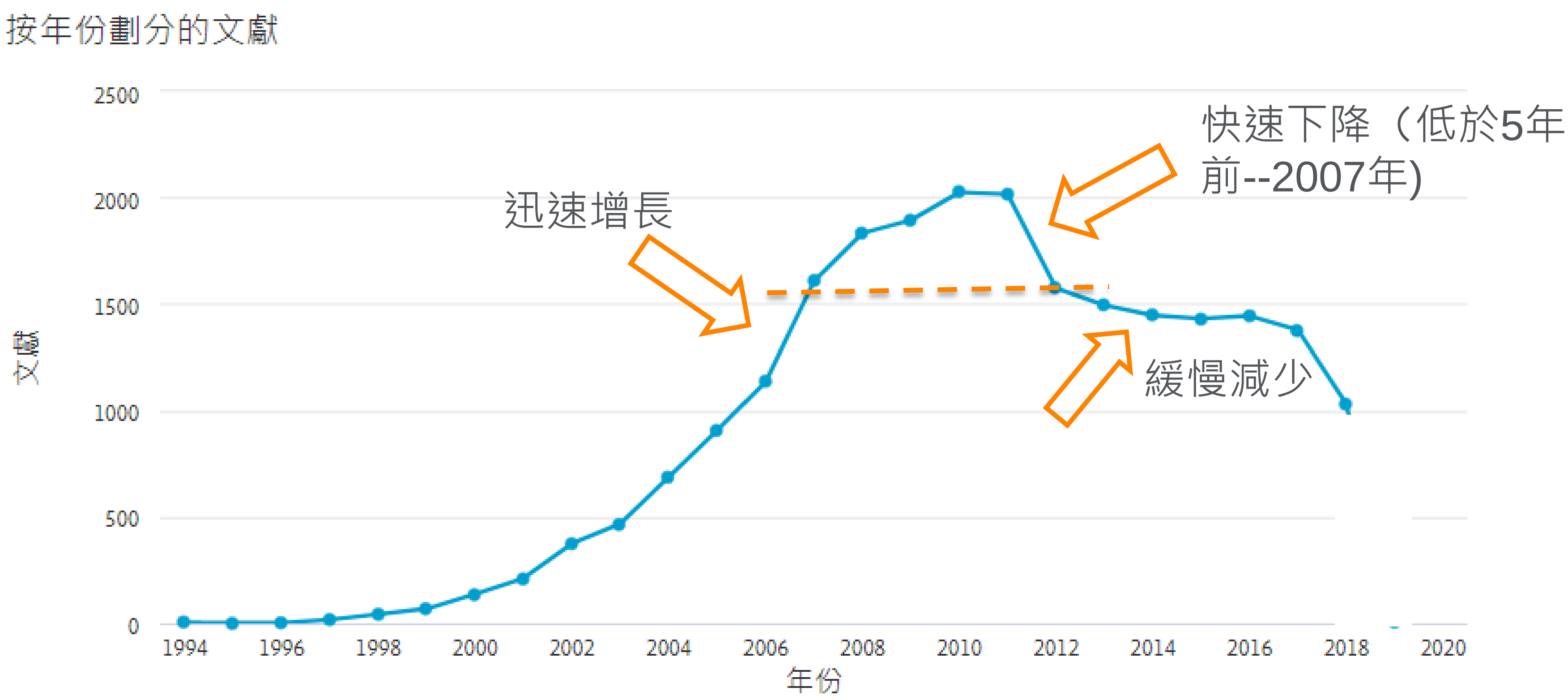
關鍵詞輕鬆檢索2萬+論文

聚焦至350+ Review

查閱Review

- 快速掌握研究進程和主要成果
- 發現待解決的問題
- 發現可能的解決方案

要不要去研究？--從論文數量看發展趨勢



要朝哪個方向去突破？--看主題分佈，了解研究重點

篩選 關鍵字

篩選: # of results

再次聚焦

Single-walled Carbon Nanotubes (SWCN)	(15,153)
Carbon Nanotubes	(11,641)
Yarn	(5,049)
Nanotubes	(4,558)
Carbon Nanotube	(4,064)
Carbon	(4,003)
Article	(3,872)
Nanotubes, Carbon	(2,670)
Nanocomposites	(1,967)
Chemistry	(1,930)
Single-walled Carbon	(1,925)
Methodology	(699)
Functionalized	(692)
Mechanical Properties	(691)
Comput… Simula…	
Molecul… Dynamics Simulations	(669)
Synthesis (chemical)	(667)
Dispersions	(653)
Particle Size	(648)
Surface Property	(629)
Nanotube	(607)
Chirality	(599)
Electronic	(594)
Semiconductor	(435)
Binding Energy	(433)
…sticity	(431)
…ic Moduli	(429)
…aterials Testing	(428)
X Ray Photoelectron Spectroscopy	(423)
Gold	(420)
Biosensors	(416)
Thermogravimetric Analysis	(416)
Electrical Conductivity	(414)
Composite Materials	(408)
Electrode	(407)
Electrophoresis	(336)
Electric Fields	(331)
Chemical Sensors	(326)
Biosensing Techniques	(325)
Dispersion	(323)
Silicon	(323)
Reinforcement	(322)
Solutions	(320)
Solvents	(319)
Conformation	(314)
Solubility	(312)
Chemical Bonds	(309)
Doping (additives)	(309)
Thin Film	(308)

限制範圍 排除

要讀哪些論文？--抓關鍵論文

- 最新論文--最新進展
- 高引用論文--技術突破，重要成果

「引用資訊」分析論文價值

	文獻	引用次數	<2014	2014	2015	2016	2017	2018	小計	>2018	總計
		Total	5981	5485	5397	5261	5029	3572	24744	46	30771
21	Gas diffusion, energy transport, and thermal accommodation i...	2012	8	6	11	9	10	9	45		53
22	Highly transparent and conductive stretchable conductors bas...	2012	6	8	26	14	19	10	77		83
23	Research on the elastic modulus of single-walled carbon nano...	2012							0		0
24	The reinforced hydrogel for drug loading: Immobilization of ...	2012	2	5	2	3		1	11		13
25	Diameter effect on the sidewall functionalization of single-...	2012	3		2	2	4	1	9		12
26	Effect of doping on single-walled carbon nanotubes network o...	2012	2		2	1	2	2	7		9
27	Carbon nanotubes press-transferred on PMMA substrates as exc...	2012	2	7	11	6	10	4	38		40
28	Flexible, transparent electrodes using carbon nanotubes	2012		4	1	5	2	2	14		14
29	Inactivation of Bacillus anthracis spores by single-walled c...	2012	1	5	4	2	4	1	16		17
30	Processing and characterisation of two- ar				1				1		1
31	Application of single walled carbon nanotu			3	6	4	2	5	20		25
32	Carbon nanotube-based antimicrobial biomaterials formed via ...	2012	5	7	10	3	7	3	30		35
33	A seamless three-dimensional carbon nanotube graphene hybrid...	2012	22	41	61	45	56	39	242	1	265
34	Ion adsorption on the inner surface of single-walled carbon ...	2012	3	2		5	2		9		12
35	A facile route for 3D aerogels from nanostructured 1D and 2D...	2012	7	15	21	19	23	11	89	1	97
36	Flexible single-walled carbon nanotube/polycellulose papers ...	2012	2	7	4	6	2	2	21		23
37	Porous carbon nanotube membranes for separation of H<inf>2</...	2012	5	6	7	11	7	2	33		38
38	Supramolecular composite of single-walled carbon nanotubes w...	2012							0		0

從每年的引用概覽，精確識別**近年**被引頻次較高的文獻

看論文就是閱讀論文這麼簡單嗎？？

文獻詳情

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Nature Communications 開放存取
Volume 3, 2012, 論文編號 1225

A seamless three-dimensional carbon nanotube graphene hybrid material (Article) (開放存取)

Zhu, Y.[a,b], Li, L.[a], Zhang, C.[a,c], Casillas, G.[d], Sun, Z.[a], Yan, Z.[a], Ruan, G.[a], Peng, Z.[a], Raji, A.-R.O.[a], Kittrell, C.[a,b], Hauge, R.H.[a,b], Tour, J.M.[a,b,e]

[a]Department of Chemistry, Rice University, Houston, TX 77005, United States
[b]Richard E. Smalley Institute for Nanoscale Science and Technology, Rice University, 6100 Main Street, Houston, TX 77005, United States
[c]School of Materials Science and Engineering, Tianjin University, No. 92 Weijin Road, Tianjin 300072, China

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摘要

Graphene and single-walled carbon nanotubes are carbon materials that exhibit excellent electrical conductivities and large specific surface areas. Theoretical work suggested that a covalently bonded graphene/ single-walled carbon nanotube hybrid material would extend those properties to three dimensions, and be useful i[...]ergy storage and nanoelectronic technologies. Here we disclose a method to bond graphene and single-wa[...] exhibits a surface area >2,000 m^2g^{-1} with ohmic contact from the vertically aligned single-[...] transmission electron microscopy, we observed the covalent transformation of sp^2 carbon [...] resolution level. These findings provide a new benchmark for understanding the three-dim[...]
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全部

1 Geim, A.K.
Grapher[...]
(2009) Scie[...]
doi: 10.11[...]
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2 Geim, A.K., Novoselov, K.S.
The rise of graphene
(2007) *Nature Materials*, 6 (3), pp. 183-191. 被引用 24025 次.
doi: 10.1038/nmat1849
Full Text View at Publisher

3 Bethune, D.S., Klang, C.H., De Vries, M.S., Gorman, G., Savoy, R., Vazquez, J., Beyers, R.
Cobalt-catalysed growth of carbon nanotubes with single-atomic-layer walls
(1993) *Nature*, 363 (6430), pp. 605-607. 被引用 3056 次.
doi: 10.1038/363605a0
Full Text View at Publisher

參考文獻

了解該研究的前期基礎

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265 Scopus 中的引用次數
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被 265 篇文獻引用

Molecular dynamics simulation of double-layered graphene-carbon nanotube junctions for thermal rectification
Yang, X., Xu, J., Wu, S.
(2019) *Materials Letters*

Citation

了解該研究的後續發展

Scopus® 實現從論文直達相關研究領域

Journal of Neural Engineering
Volume 14, Issue 2, 22 February 2017, 论文编号 026015

The hybrid BCI system for movement control by combining motor imagery and moving onset visual evoked potential (Article)

Ma, T.[a], Li, H.[a], Deng, L.[a], Yang, H.[a], Lv, X.[a], Li, P.[a], Li, F.[a], Zhang, R.[c], Liu, T.[a,b], Yao, D.[a,b], Xu, P.[a,b]

[a]Key Laboratory for NeuroInformation, Ministry of Education, School of Life Science and Technology, University of Electronic Science and Technology of China, 4, S
North Jianshe Road, Chengdu, 610054, China
[b]Center for Information in BioMedicine, University of Electronic Science and Technology of China, Chengdu, 610054, China
[c]School of Electrical Engineering, Zhengzhou University, Zhengzhou, 450001, China

摘要 查看参

Objective. Movement control is an important application for EEG-BCI (EEG-based brain-computer interface) systems. A single-modality BCI cannot provide an effic natural control strategy, but a hybrid BCI system that combines two or more different tasks can effectively overcome the drawbacks encountered in single-modality Approach. In the current paper, we developed a new hybrid BCI system by combining MI (motor imagery) and mVEP (motion-onset visual evoked potential), aiming more efficient 2D movement control of a cursor. Main result. The offline analysis demonstrates that the hybrid BCI system proposed in this paper could evoke the d mVEP signal features simultaneously, and both are very close to those evoked in the single-modality BCI task. Furthermore, the online 2D movement control experi that the proposed hybrid BCI system could provide more efficient and natural control commands. Significance. The proposed hybrid BCI system is compensative to efficient 2D movement control for a practical online system, especially for those situations in which P300 stimuli are not suitable to be applied. © 2017 IOP Publish

SciVal Topic Prominence

Topic: Brain computer interface | Electroencephalography | steady-state visual

Prominence percentile: 99.612

該研究參與的研究主題是
全球前1%熱門研究主題

直達Topic能獲取哪些訊息？

最具影響力的學者

Brain computer interface | Electroencephalography | steady-state visual (T.23)

Year range: 2013 - 2017

Representative documents

Quadcopter control in three-dimensional space using a noninvasive motor imagery-based brain-computer interface
Lafleur, K.,Cassady, K.,Doud, A....
(2013) *Journal of Neural Engineering*
Cited 181 times

Frequency recognition in ssvep-based BCI using multiset canonical correlation analysis
Zhang, Y.,Zhou, G.,Jin, J....
(2014) *International Journal of Neural Systems*
Cited 129 times

High-speed spelling with a noninvasive brain-computer interface
Chen, X.,Wang, Y.,Nakanishi, M....
(2015) *Proceedings of the National Academy of Sciences of the United States of America*
Cited 126 times

Visual and auditory brain-computer interfaces
Gao, S.,Wang, Y.,Gao, X....
(2014) *IEEE Transactions on Biomedical Engineering*
Cited 122 times

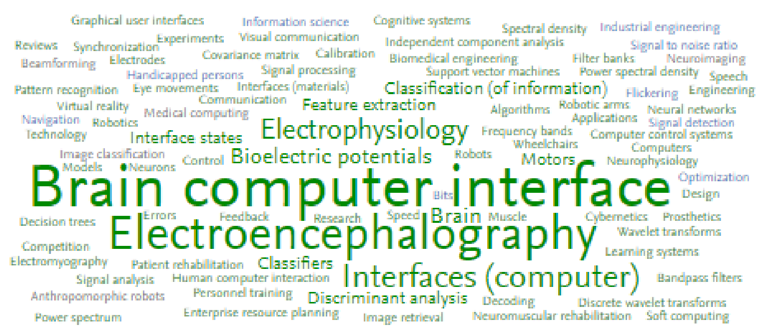
最重要的論文

Top authors

Top authors	Scholarly Output
Kübler, Andrea K.	49
Jin, Jing	45
Zhang, Yu	45
Guan, Cuntai	44
Wang, Xingyu	44

Keyphrase analysis

Chart | Table



A A A relevance of keyphrase | declining A A A Growth

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關注重要作者的最新施引論文，拓展到相關研究

追踪研究--關鍵詞搜尋結果的新知通報

靈活設置通知的頻率

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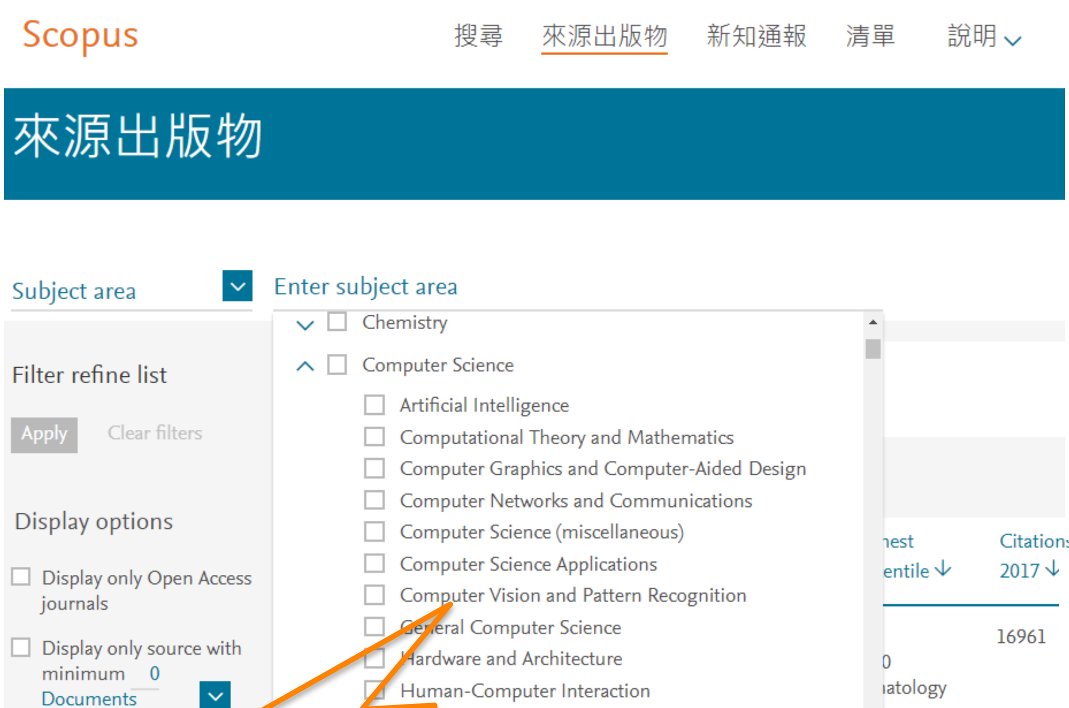

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COMP	Computer Science
MATH	Mathematics
PHYS	Physics and Astronomy
CHEM	Chemistry
CENG	Chemical Engineering
MATE	Materials Science
ENGI	Engineering
ENER	Energy
ENVI	Environmental Science
EART	Earth and Planetary Sciences
AGRI	Agricultural and Biological Sciences
BIOC	Biochemistry, Genetics and Molecular Biology
IMMU	Immunology and Microbiology
VETE	Veterinary
MEDI	Medicine
PHAR	Pharmacology, Toxicology and Pharmaceutics
HEAL	Health Professions
NURS	Nursing
DENT	Dentistry
NEUR	Neuroscience
ARTS	Arts and Humanities
PSYC	Psychology
SOCI	Social Sciences
BUSI	Business, Management and Accounting
ECON	Economics, Econometrics and Finance
DECI	Decision Sciences
MULT	Multidisciplinary

對應子學科出版物
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Foundations and Trends in Communications and Information Theory Copac EZB	9.67	99% 3/259 Computer Networks and Communications	58	6	100	4.048	2.848	Now Publishe Inc.
IEEE Journal on Selected Areas in Communications Copac EZB	9.31	98% 4/259 Computer Networks	6,711	721	90	3.434	1.741	IEEE

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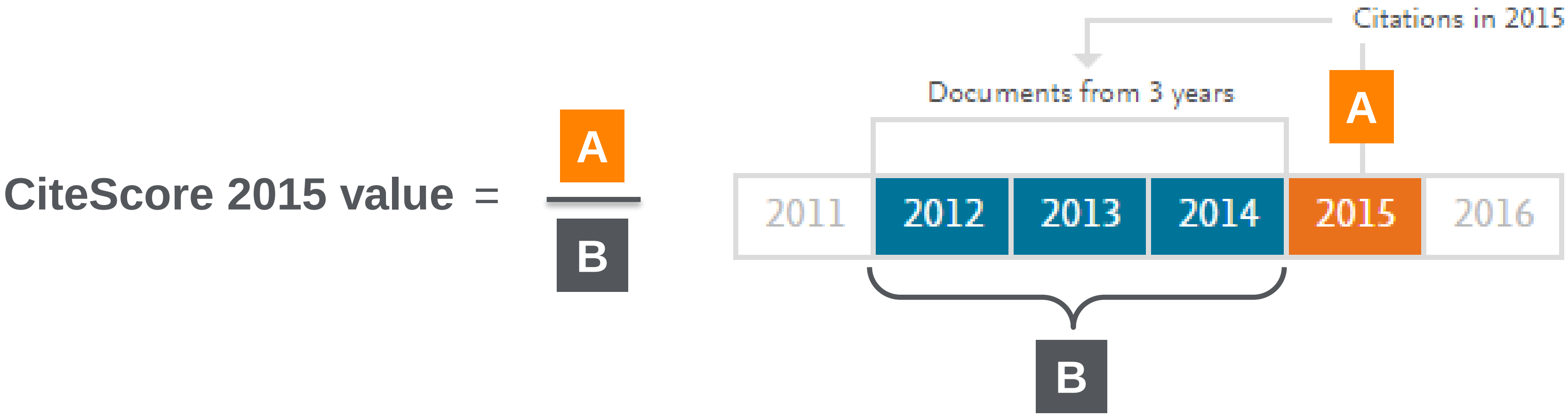

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Information Systems Journal

Scopus 涵蓋年度: 從 1991 至今
發表者: Wiley-Blackwell
國際標準期刊號: 1350-1917 電子版國際標準期刊號: 1365-2575
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Information Systems Journal

Scopus 涵蓋年度: 從 1991 至今

發表者: Wiley-Blackwell

國際標準期刊號: 1350-1917 電子版國際標準期刊號: 1365-2575

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☐ ACM International Conference…	997
☑ Communications In Computer …	800
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☑ Advances In Intelligent Syste…	464
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☐ Procedia Computer Science	385
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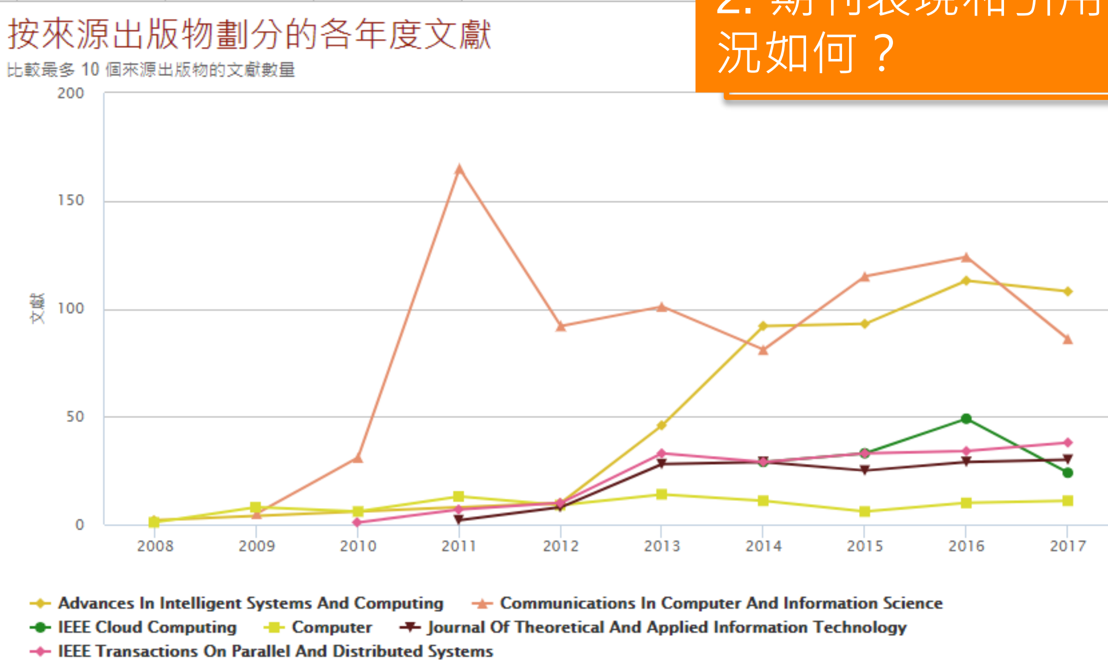
☑ IEEE Transactions On Parallel…	185



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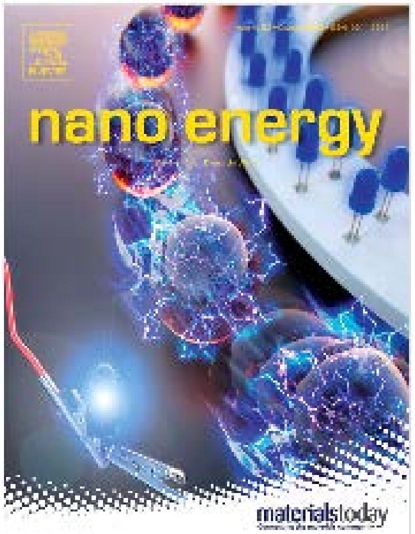

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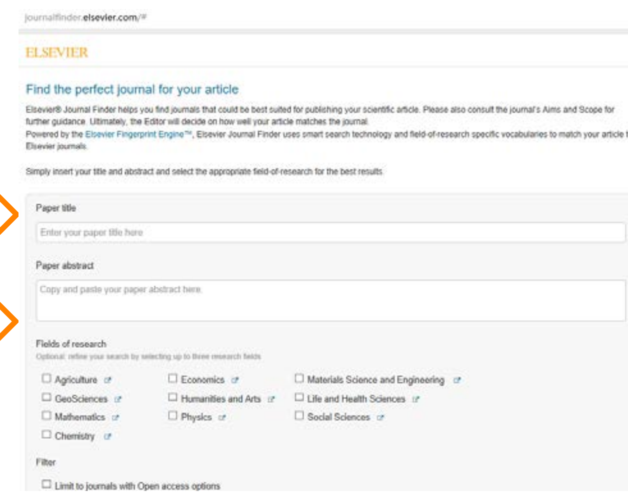

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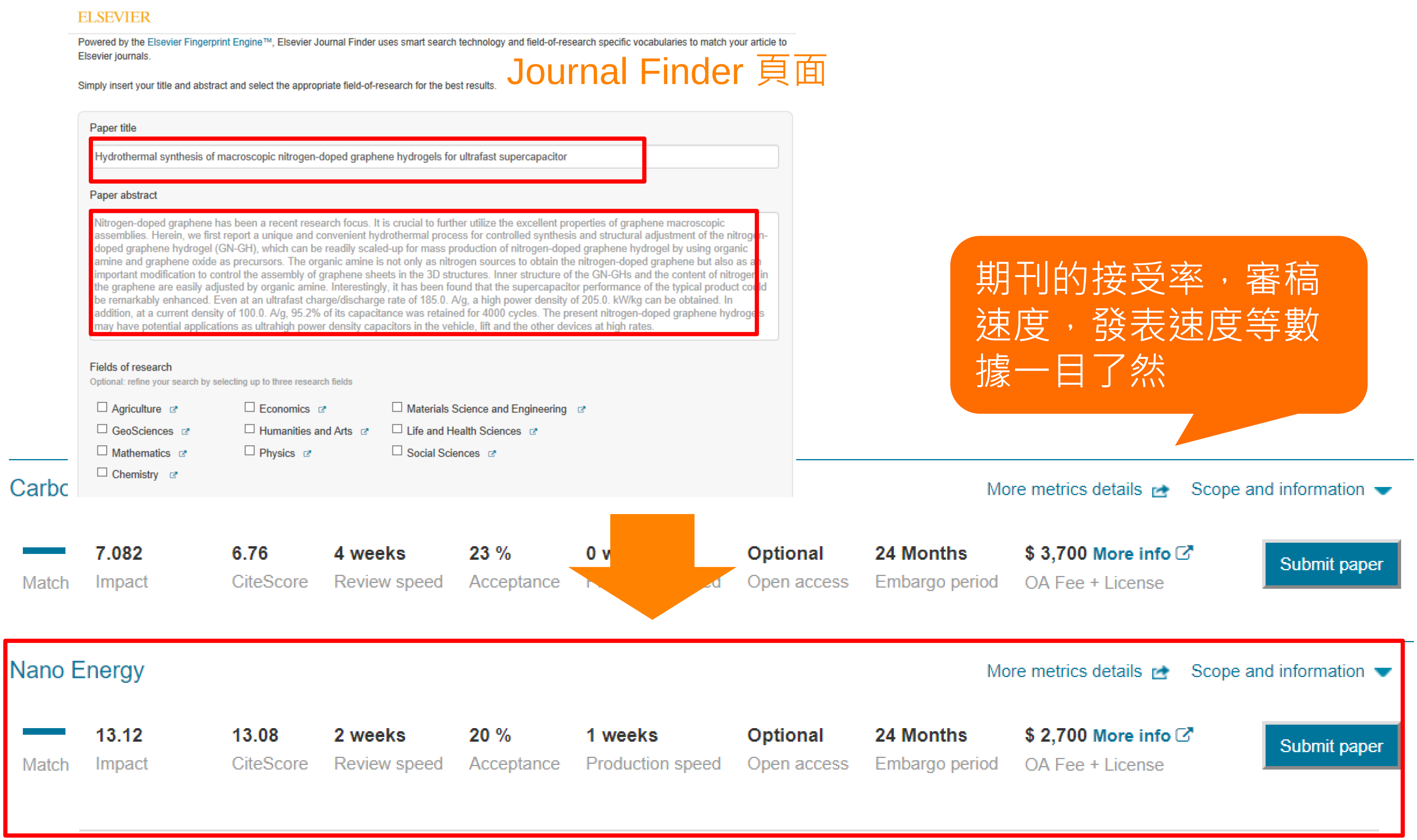

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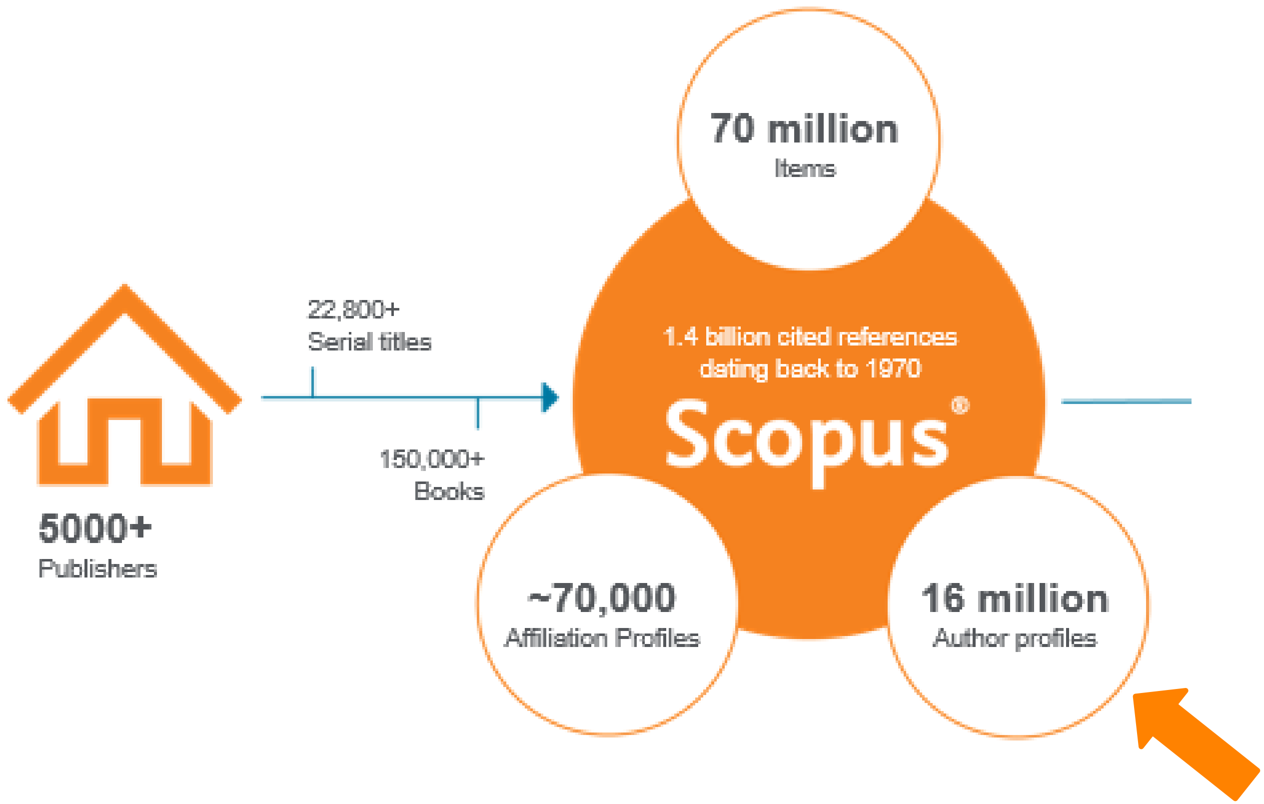

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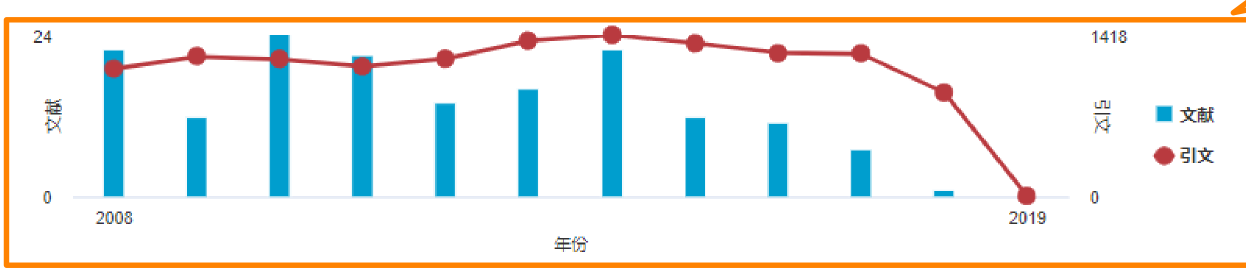

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Citation

	文献标题	作者	年份	来源出版物	施引文献
☐ 1	Compression of amplified chirped optical pulses 查看摘要 Full Text View at Publisher 相关文献	Strickland, D., Mourou, G.	1985	Optics Communications 56(3), pp. 219-221	2402
☐ 2	Self-channeling of high-peak-power femtosecond laser pulses in air 查看摘要 Full Text View at Publisher 相关文献	Braun, A., Korn, G., Liu, X., (...), Squier, J., Mourou, G.	1995	Optics Letters 20(1), pp. 73-75	1123
☐ 3	Terawatt to petawatt subpicosecond lasers 查看摘要 Full Text View at Publisher 相关文献	Perry, M.D., Mourou, G.	1994	Science 264(5161), pp. 917-924	918
☐ 4	Femtosecond optical breakdown in dielectrics 查看摘要 Full Text View at Publisher 相关文献	Lenzner, M., Krüger, J., Sartania, S., (...), Mourou, G., Kautek, F.	1998	Physical Review Letters 80(18), pp. 4076-4079	772

h-Index: ⓘ 查看 *h*-graph

76 H指數

按作者的文献

652 總論文 分析作者的产出

总引文数 總引用

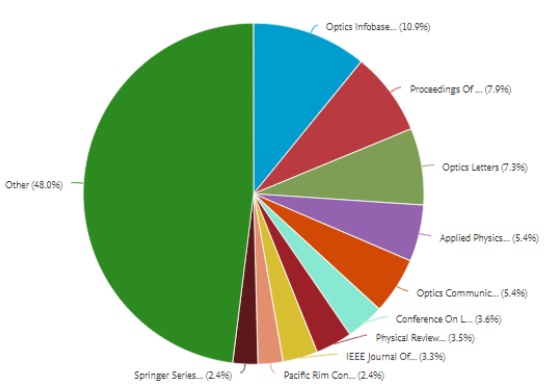
按 18154 文献分组的 26764 查看引文概览

學者個人學術名片

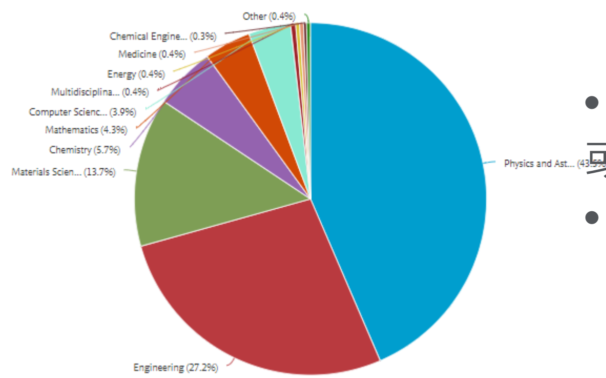
論文實力-

Scopus

主要發表期刊



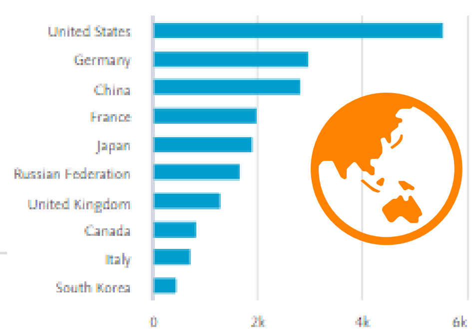
優勢學科領域



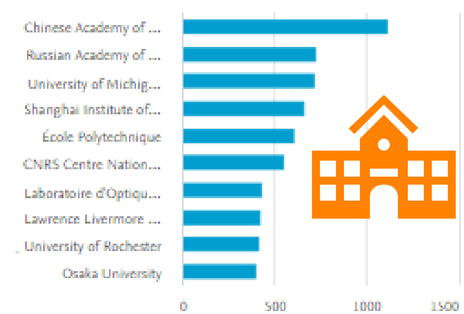
- 展示專長的學科領域或者
- 跨領域融合的實力

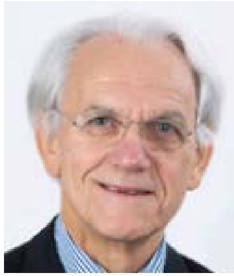
論文影響力-被哪些國家、機構的關注

按国家/地区划分的文献



按归属机构划分的文献





Mourou, Gérard A.

关注该作者

École Polytechnique, Palaiseau, France

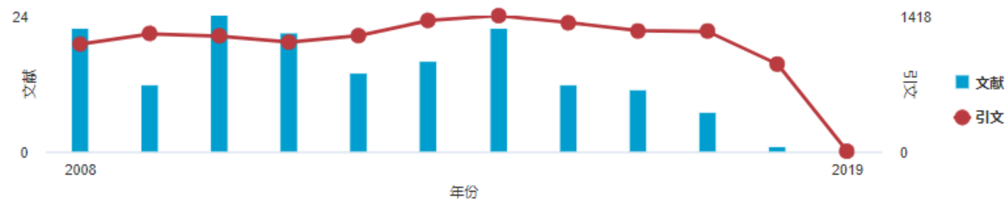
作者 ID: 7102620818

查看可能的匹配作者

其他姓名格式: Mourou, Gérard A. | Mourou, Gérard | Mourou, G. | Mourou, Gerard A. | Mourou, G. M. | Mourou, Grard | Mourou, Gérard | Mourou, Grard A. | Mourou, Gerard | Mourou, G. A.

学科类别: Physics and Astronomy | Engineering | Materials Science | Chemistry | Mathematics | Computer Science | Multidisciplinary | Social Sciences | Chemical Engineering | Energy | Medicine | Neuroscience | Earth and Planetary Sciences | Biochemistry, Genetics and Molecular Biology

文献和引用趋势:



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查看摘要 ⌄ Full Text View at Publisher 相关文献

重要指標認識

- **Field-Weighted Citation Impact(FWCI) 領域權重引用影響力**
  - 依相同學科領域、同出版年與同文章類型比較。
  - FWCI=1，表示該篇文章引用影響力等於全球平均水準。
  - FWCI>1，高於全球平均水準。假如一研究團隊的FWCI為2.15，代表該研究團隊的引用影響力比全球平均高出215%
  - FWCI已用於THE排名，計算機構/學科在引用影響力的排名分數。
- **Outputs in Top Citation Percentiles (高被引文章)**
  - 同一學科分類下，當年全球範圍內排在全部文獻被引用次數前10%的文獻數量。另可設定前1%，5%，10% 等
- **Publications in Top Journal Percentiles (高品質期刊)**
  - 機構的文獻發表在全球標準化影響指數排名前1%，10%的期刊的數量或比例

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