

Essential Science Indicators 動態聚焦頂尖研究熱點



碩睿資訊2020



- 01 ESI簡介
- 02 實例操作
- 03 應用實例
- 04 Q&A







研究發表工具之利用







WoS各資料庫涵蓋範圍













ESI 研究領域

■涵蓋22個廣泛學科領域

■ 各領域涵蓋範圍說明 (Scope notes):

農業科學
生物及生物化學
化學
臨床醫學
電腦科學
生態學及環境科學
經濟與商業
工程
地球科學
免疫學
材料科學

數學 微生物學 分子生物學及遺傳學 跨學科研究 神經學及行為科學 藥理學及毒物學 物理學 植物及動物科學 心理學及精神病學 社會科學 太空科學





ESI Citation Thresholds

		Citation Percentile	Data yea examine	rs d
Researchers		1%		10
Institutions		1%		10
Countries		50%		10
Journals	Journals			10
Top papers	Highly Cited Papers 🍷	1%		10
	Hot Papers ᠔	.1%		2





ESI幫助我看到什麼?





研究方向 熱門趨勢

評鑑指標依據





ESI 高被引論文 & 熱門論文



高被引論文 Highly Cited Paper

過去10年中發表的論文,被 引用次數在**同年同學科**發表 的論文中進入全球前1%





過去2年中發表的論文, 在**最近2個月**其被引用次數 排在某學科**前0.1%**





10



ESI 篩選標準整合於 Web of Science

結果數: 8 (從Web of Science 核心合輯)	排序依據: 日期 被引用次數 使用情况計數 相關性 更多 •	
您已檢索:標題: ("3d print*")更 多	□ 選取頁面 🔓 🖸 5K 儲存至 EndNote online 🔹 新增至勾選的清單	
🌲 建立追蹤	1. 3D printing of polymer matrix composites: A review and prospective	一連 建立引用又原報告 被引用次数: 107
限縮結果	作者: Wang, Xin; Jiang, Man; Zhou, Zuowan; 等. COMPOSITES PART B-ENGINEERING 卷冊: 110 頁數: 442-458 出版: FEB 1 2017 Findit@NTHU 出版者提供的全文 檢視摘要 ▼	る 熱門論文
在結果内檢索 Q		使用情況計數~
 篩選結果: ①	 Polymers for 3D Printing and Customized Additive Manufacturing 作者: Ligon, Samuel Clark; Liska, Robert; Stampfl, Juergen; 等. CHEMICAL REVIEWS 卷冊: 117 期: 15 頁數: 10212-10290 出版: AUG 9 2017 	被引用次數: 70 (從Web of Science 核心合 輯
 □ 3 領域中的熱門論文 (8) □ 3 開放取用 (1) 	Findit®NTHU 3 出版者提供的免費全文 檢視摘要▼	 ▲ 熱門論文 • 被高度引用的論文
限縮	2 Multiprocess 2D printing for increasing component functionality	使用"同次計型~
出版年份 2018 (2) 2017 (4) 2016 (2)	 Kuttprocess 3D printing for increasing component functionality 作者: MacDonald, Eric; Wicker, Ryan SCIENCE 卷冊: 353 期: 6307 文獻號碼: aaf2093 出版: SEP 30 2016 Findit@NTHU 出版者提供的全文 檢視摘要 ▼ 	1版51円/X数X:10 (従Web of Science 核心合 輯)







Indicators

根據**特定學科**的 **頂尖研究者**或研 **究機構被引用狀 究機構被引用狀** 況,來分析和觀 察長期和短期研 究趨勢

Field Baselines

個別**領城**中,每 篇文章每年收到 **引用數的期望值**

Citation Thresholds

查看一個作者、機 構、期刊或國家進 入ESI排名所需的 最低被引次數













查詢臺灣大學 Top Papers的世界機構排名

Top Papers by Research Fields

Results List	Map Vie	w by Top / Hot / High	nly Cited Papers		Show	Visualization 🕂
Institutions	Report V	/iew by Selection				Customize
Filter Results By ? Changing the filter field removes all current filters.	Total: 6745	Institutions	Countries/Regions	Web of Science Documents	Cites •	Cites/Paper
Add Filter »	178	NATIONAL TAIWAN UNIVERSITY	TAIWAN	51,412	859,300	16.71
Include Results For	758	NATIONAL TAIWAN UNIVERSITY HOSPITAL	TAIWAN	12,849	213,697	16.63
Top Papers Clear Save Criteria	1242	NATIONAL TAIWAN UNIVERSITY OF SCIENCE & TECHNOLOGY	TAIWAN	10,001	115,969	11.60
轉換 Highly Cited Papers Hot Papers						
	4					•





查詢臺灣大學進入ESI的收錄領域

Results List	Map Vi	Map View by Top / Hot / Highly Cited Papers Show Visuali:							
Research Fields 🗸	Repor	包含All Field	S			Customize			
Filter Results By 😮	Total: 20	收錄領域清單	b of Science	Cites -	Cites/Paper	Top Papers			
current filters.	1	CLINICAL MEDICINE	17,251	239,778	<mark>1</mark> 3.90	14			
Add Filter »	2	CHEMISTRY	5,364	9 <mark>0,6</mark> 53	16.90	60			
	3	PHYSICS	5,305	77,297	14.57	94			
A NATE TAIMAN ONLY HOST	4	MATERIALS SCIENCE	3,234	53,537	<mark>1</mark> 6.55	36			
	5	ENGINEERING	5,139	39,039	7.60	20			
Include Results For	6	MOLECULAR BIOLOGY & GENETICS	1,576	29,455	18.69	15			
	7	BIOLOGY & BIOCHEMISTRY	1,995	28,697	<mark>1</mark> 4.38	E			
Clear Save Criteria	8	GEOSCIENCES	1,857	27,688	14.91	2!			
	9	NEUROSCIENCE & BEHAVIOR	1 <mark>,</mark> 829	26,786	14.65	6			
	10	IMMUNOLOGY	1,679	24,860	14.81	4			
	11	PHARMACOLOG	1,759	24,112	<mark>1</mark> 3.71				
	4	該	機構在 ESI 抄	采		收錄文獻數			
willing Web of		計言	的過去 10 年	入	_				
Science		—————————————————————————————————————	受表的文章數			上下に を 資訊有限公司			

查詢臺灣大學進入ESI臨床醫學領域的引用趨勢



第·

Web of Science Group

·個五年為基準點五年滾動數據





Papers by Reseau	rch Field			
引用趨勢	排序:引用次數/出版	版年/期刊名稱		
Citation Trends	Sort By Citations	Customize Documents	◀ ◀ 1 - 10 of 141	
Documents	8 PHASE III STUDY OF AFATINIE PATIENTS WITH METASTATIC MUTATIONS By: SEQUIST 1V: YANG 1CH:	3 OR CISPLATIN PLUS PEMETREXED IN LUNG ADENOCARCINOMA WITH EGFR	Times Cited: 718	
Filter Results By ? Add Filter »	Source: J CLIN ONCOL 31 (27): Research Fields: CLINICAL MEI	3327-+ SEP 20 2013 DICINE	研究前沿	
NATL TAIWAN UNIV NATL TAIWAN UNIV HOSP Include Results For	9 GLOBAL, REGIONAL, AND NA LIVED WITH DISABILITY FOR INJURIES IN 188 COUNTRIES, GLOBAL BURDEN OF DISEAS	TIONAL INCIDENCE, PREVALENCE, AND YEARS 301 ACUTE AND CHRONIC DISEASES AND 1990-2013: A SYSTEMATIC ANALYSIS FOR THE E STUDY 2013	Times Cited: 678	
Top Papers 🗸	By: VOS, T; BARBER, RM; BE Source: LANCET 386 (9995): 74 Research Fields: CLINICAL MEI	LL, B; et.al I3-800 AUG 22 2015 DICINE	熱門論文	
	10 THE MICRORNA SPECTRUM By: WEBER, JA; BAXTER, DF	IN 12 BODY FLUIDS I; ZHANG, SL; et.al	Times Cited: 677	
	Source: CLIN CHEM 56 (11): 1 Research Fields: CLINICAL M	733-1741 NOV 2010 EDICINE		







柯P雖忙於市政,但忙碌之餘仍然掛念臺大 在醫學方面的研究近況,若他想看看臺大與臺 大醫院在全世界的排名,以及近10年各自被收 錄在ESI當中的文章,請問你要如何查找?







Top Papers by Institutions

T 迭 并 不 次 伯 Results List	Map View by Top / Hot / Highly Cited Papers	Show Visualization +
	Report View by Selection	Customize
Eilter Results By 2 2 選擇限縮範圍	To Web of Science Cites → Cites/Paper 40 機構排名 ▲↑ Sort Ascending Cites → Cites/Paper	進入收錄文章
Add Filter »	193 NATL TAIWAN XI Sort Descending 141,601 14.01	141
* Clinical Medicine	292 NATL TAIWAN VIEw Filters taiwan univ	94
Include Results For	2458 CENT TAIWAN 3 鍵入篩選目標名稱 4	L 0
Top Papers		
Clear Save Criteria		











Field Baseline - Citation Rates

Field Baselines

Baselines are annualized expected citation rates for papers in a research field.

Citation Rates are yearly averages of citations per paper.

Citation Rates	RESEARCH FIELDS	2010	2011	2012	2013	201 <mark>4</mark>	2015	2016	2017
	ALL FIELDS	26.26	23.73	21.53	19.27	17.13	14.64	11.64	8.84
Percentiles	AGRICULTURAL SCIENCES	19.89	17.93	16.29	14.82	13.39	11.53	9.30	6.79
Percentiles	BIOLOGY & BIOCHEMISTRY	35.60	31.49	28.88	25.18	21.83	17.88	13.98	10.56
	CHEMISTRY	27.92	26.51	25.23	22.43	20.82	18.18	14.54	11.34
Field Rankings	CLINICAL MEDICINE	26.84	23.99	21.76	19.33	16.99	14.58	11.38	8.47
	COMPUTER SCIENCE	14.92	15.18	12.61	12.13	11.49	10.49	8.60	7.35
	ECONOMICS & BUSINESS	21.51	19.10	16.12	14.31	12.22	10.01	7.73	5.54
	ENGINEERING	17.68	16.37	14.98	14.23	13.04	11.79	9.94	8.08
	ENVIRONMENT/E COLOGY	32.13	28.57	26.00	22.49	19.38	16.45	12.77	9.63
	GEOSCIENCES	28.61	26.76	23.62	20.94	17.83	14.94	11.51	8.51
		00.45	04.70	00.00	07.75	0100	40.77	15.64	11.57
	2016年	發表的	句分子	生物與	遺傳行	湏 域文	章	16.74	13.32
		<u>)</u>	区均被	引用次	て數			3.96	3.08
								14.02	10.31
	MOLECULAR BIOLOGY & GENETICS	52.90	47.71	39.57	34.97	29.63	24.38	18.38	13.50
	MULTIDISCIPLINA RY	40.96	35.34	32.08	32.18	19.47	18.19	14.86	10.04





Field Baseline - Percentiles

Citation Rates	RESEARCH FIELDS A	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	20.00%	45	38	34	31	28	23	19	14	Э	
	50.00%	19	16	14	13	13	10	8	7	4	
Percentiles	MOLECULAR B	IOLOGY &	GENETICS								
	0.01%	8,005	5,713	4,322	4,404	2,169	1,753	1,177	784	497	
	0.10%	1,707	1,378	1,207	878	827	616	107	348	223	
Field Rankings	1.00%	474	435	363	309	260	205	157	106	76	
	201		++ 44 /	\ → ц.		电陆云	۔ د مباب ماجیل	5.	29	19	
	201	0年贸	衣的)?	了十生	物典证	夏得调		₽	18	12	
	4	刘季巴	年同会	 酒城前	1% 刻	安引 用	次數		8	5	
	MULTIDISCIP		1 1. 4.1								
	0.01%	3,769	2,142	2,661	6,119	1,491	980	1,176	666	465	
	0.10%	3,769	1,458	2,457	5,117	860	710	499	347	218	
	1.00%	590	451	306	323	196	219	164	99	74	
	10.00%	85	79	64	55	44	38	31	22	14	
	20.00%	38	41	37	32	25	23	18	13	8	
	50.00%	5	8	12	9	8	8	6	5	3	
	NEUROSCIENC	E & BEHAV	IOR								
	0.01%	2,194	2,776	1,345	1,807	1,122	994	720	441	363	
	0.10%	842	775	619	558	426	358	274	177	107	
	1.00%	291	240	215	185	155	124	98	71	44	
	10.00%	84	74	65	57	48	40	31	23	14	
	20.00%	52	47	42	36	32	26	21	15	9	
	50.00%	21	19	18	16	14	12	9	7	4	





Field Baseline – Field Rankings

Citation Rates	RESEARCH FIELDS A	No. OF PAPERS	No. OF CITATIONS	CITATIONS PER PAPER	HIGHLY CITED PAPERS	
	AGRICULTURAL SCIENCES	461,003	4,683,342	10.16	4,633	
Percentiles	BIOLOGY & BIOCHEMISTRY	773,798	13,633,446	17.62	7,762	
Percentiles	CHEMISTRY	1,826,753	29,215,059	15.99	18,261	
	CLINICAL MEDICINE	2,942,586	39,526,641	13.43	29,321	
Field Pankings	COMPUTER SCIENCE	408,859	3,483,516	8.52	4,060	
Field Kalikings	ECONOMICS & BUSINESS	301,091	2,921,929	9.70	2,984	
	ENGINEERING	1,491,145	14,079,684	9.44	14,838	
	ENVIRONMENT/ECOLOGY	583,684	7,971,101	13.66	5,785	
	GEOSCIENCES	502,457	6,863,716	13.66	4,982	
	IMMUNOLOGY	272,454	5,255,343	19.29	2,726	
	MATERIALS SCIENCE	985,562	15,895,770	16.13	9,787	
	MATHEMATICS	458,756	2,195,893	4.79	4,634	
	MICROBIOLOGY	221,551	3,581,914	16.17	2,211	
	MOLECULAR BIOLOGY & GENETICS	501,397	12,110,9	80 :	24.15	5,047
	™ E E E E E E E E E E E E E	收錄的 分子 數、平均每篇	生物與遺仰	專領域文 : 及 高被引	章總數、 文章數	
	PHYSICS	1,114,358	13,258,475	11.90	11,017	
	PLANT & ANIMAL SCIENCE	778,100	7,795,841	10.02	7,667	
	PSYCHIATRY/PSYCHOLOG Y	449,811	5,785,883	12.86	4,602	
	SOCIAL SCIENCES, GENERAL	1,023,649	8,001,241	7.82	10,050	
	SPACE SCIENCE	154,642	2,913,112	18.84	1,556	
Web of						23

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Citation Thresholds

通過對研究領域中的論文按引用計數 從高到低排序,然後選擇論文的最高 分數或百分比來獲得的最小引用數。

ESI Thresholds

在10年間同領域中前50%的作者、機構和國家, 和前1%期刊的最少被引用次數。

Highly Cited Thresholds

10個資料庫年度範圍內每年前1%的論文 所獲得的最少被引用次數。

Hot Paper Thresholds

顯示在從過去2年的最近2個月內的前0.1%論文獲 得的最少被引用次數。





查詢中央研究院 Top Papers的世界機構排名

Results List	Map Vie	ew by Top / Hot / Hig	hly Cited Papers		Show	Visualization 🕂
Institutions	Report	View by Selection				Customize
Filter Results By ? Changing the filter field removes all	Total: 1	Institutions	Countries/Regions	Web of Science Documents	Cites •	Cites/Paper
current filters. Add Filter »	343	ACADEMIA SINICA - TAIWAN	TAIWAN	23,021	469,730	20.40
Include Results For Top Papers						
轉換 Highly Cited Papers / Hot Papers						





查詢**中央研究院**進入ESI的**收錄領域**

Results List	Map V	iew by Top / Hot / High	ly Cited Papers		s	how Visualization 🕂
Research Fields	Repor	t View by Selection	_			Customize
Filter Results By ?	Tota 18	包含All Fields	leb of Science Documents	Cites	Cites/Paper	Top Papers ▼
changing the filter field removes all current filters.	1	PHYSICS	3,696	86,359	23.37	143
Add Filter »	2	SPACE SCIENCE	1,997	64,890	32.49	7:
ACADEMIA SINICA - TAIWAN	3	MATERIALS SCIENCE	1,359	47,809	35.18	45
	4		1,815	53,319	29.38	33
Include Results For	5	PLANT & ANIMAL SCIENCE	1,359	19,930	14.67	27
Top Papers 🗸	6	CHEMISTRY	3,044	53,913	17.71	2'
	7	GEOSCIENCES	1,443	22,801	15.80	18
Clear Save Criteria	7	MOLECULAR BIOLOGY & GENETICS	1,602	41,032	25.61	18
	9	BIOLOGY & BIOCHEMISTRY	1,605	25,202	15.70	1(
	10	ENGINEERING	601	5,700	9.48	e e
	11	ENVIRONMENT/E	495	8,647	17.47	
	4	收錄領域清單				收錄文獻數





查詢中央研究院分子生物與遺傳領域 進入ESI的收錄文章

引用趨勢	排序:引用次	:數/出版年/期刊名稱	
Citation Trends	Sort By Citations	Customize Documents	📢 ┥ 11 - 19 of 19 🕨 🕅
Documents	13 GENOMES OF 13 DOMEST TURNOVER AND INNOVAT By: STEIN, JC; YU, Y; COF	TICATED AND WILD RICE RELATIVES HIGHLIGHT GENETIC CONSERVATION, TION ACROSS THE GENUS ORYZA PETTI, D; et.al	Times Cited: 94
Filter Results By 🝘	Source: NATURE GENETIC Research Fields: MOLECUL	S 50 (2): 285-+ FEB 2018 AR BIOLOGY & GENETICS	
× ACADEMIA SINICA - TAIWAN	14 ERADICATION OF TRIPLE-	-NEGATIVE BREAST CANCER CELLS BY TARGETING GLYCOSYLATED PD-L1	Times Cited: 80
Include Results For Top Papers	By: LI, CW; LIM, SO; CHUN Source: CANCER CELL 33 (Research Fields: MOLECUL	NG, EM; et.al (2): 187-+ FEB 12 2018 .AR BIOLOGY & GENETICS	
Clear Save Criteria	15 PAN-CANCER ANALYSIS C	DF WHOLE GENOMES	熱門論文
	By: CAMPBELL, PJ; GETZ, Source: NATURE 578 (7793 Research Fields: MOLECUL	, G; KORBEL, JO; et.al): 82-+ FEB 6 2020 .AR BIOLOGY & GENETICS	ESI Hot
	16 COMPARATIVE GENOMICS	S OF THE MAJOR PARASITIC WORMS	Times Cited: 47
	By: COGHLAN, A; TYAGI, F Source: NATURE GENETIC: Research Fields: MOLECUL	R; COTTON, JA; et.al S 51 (1): 163-+ JAN 2019 AR BIOLOGY & GENETICS	Research Front





查詢**中央研究院**在 分子生物與遺傳領域的機構排名

1 選擇結果表格 Results List Institutions	Map View by Top / Hot / Highly Cited Papers Report View by Selection			收錄進	Show Visualization +			
				ESI文章	Customize			
Filter Results By 😮	Total: 860	Institutions	-	Countries/Regions	Web of Science Documents	Cites -	3	Cites/Paper
Changing the filter field removes all current filters.			A t	Sort Ascending				
Add Filter »	367	ACADEMIA SINICA - TAIWA	Z A	Sort Descending	1,624	42	2,727	26.31
* Molecular Biology & Genetics	機	構排名	•	Filters	academia <u>sinica</u>			
2 選擇限縮範圍	-			3 鍵入篩這	選目標名稱			
Top Papers								
Clear Save Criteria								





Research Front 簡介

- 一組高被引論文, 透過測量**高被引論文**間的相關度而組成
 - ESI 將國際過去五年中各個領域的論文, 從其參考文獻(references)及 註解(footnotes)達到高引用門檻值的共同被引文獻出發, 通過**群聚分** 析(Cluster Analysis), 產生聚類集合。利用獨特的角度來審視學科領 域
 - 了解新的突破或可能出現的領域
 - 科學家之間的非正式交流的關係
- 協助判斷研究領域中具指標性文章、研究成果之重要發現
 及學科重要研究方向

Research Front 簡介與報告下載











論文A與B同時被論文P引用 A和B的研究主題可能有相關

一組論文同時被多篇論文引用 這組論文具有高度相關性







CO-CITED PAIR



CITING ARTICLES



RESEARCH FRONT











Research Front

1 選擇Research Fronts

Results List	Map Viev	v by Top / Hot / Highly Cited Papers	Show Visualization+ 點選▼排序篩選			
Research Fronts 🗸	Report V	iew by Selection				
Filter Results By ? Changing the filter field removes all current filters. Add Filter »		Research Fr	-	Highly Cited Papers	Mear Year	
	1168	V STRETCHABLE HYDROGEL ELEC POROUS SURFACES; TOUGH BON DEVICES	2↑ Z↓	Sort Ascending Sort Descending	2	
	1175	3 鍵入關鍵詞	bose-einstein	7	Filters	2
Include Results For		EINSTEIN CONDENSATE; SPIN-ORE GASES; SPIN-ORBIT COUPLED DEC			2	
Highly Cited Papers	2136	QUANTUM DEGENERATE DIPOLAR FERMI DEGENERACY; UNIVERSAL BOSE-EINSTEIN CONDENSATION; E	FERMI GAS; REACHING DIPOLAR SCATTERING; RBIUM			2
Clear Save Criteria	6014	FINITE DIFFERENCE METHODS; NU ANGULAR MOMENTUM ROTATION; ESTIMATES; BOSE-EINSTEIN COND	MERICAL METHODS; OPTIMAL ERROR ENSATION		2	i.
	6477	ELECTRICALLY PUMPED POLARITO POLARITON TRANSISTOR; ROOM-T EINSTEIN CONDENSATION; CAVITY POLYMER	ON LASER; ALL-OPTICAL EMPERATURE BOSE- EXCITON-POLARITONS;			2
	6825	DIPOLAR BOSE-EINSTEIN CONDEN FERROFLUID; QUANTUM DROPLET STRONGLY DIPOLAR BOSE GAS	SATES; QUANTUM S; QUANTUM FILAMENTS;		4	
	€954	DEGENERATE UNITARY BOSE GAS	ATOMIC BOSE-EINSTEIN		E al	+











(一) 創新腦科技之開發及在神經科 壆之應用 1. 影像(光學、非光學) 2. 量測神經活性: 偵測系統、多 重收訊技術、穿戴式裝置等 110年度「台灣 3. 操控神經活性:包含侵入式及 腦科技發展及 非侵入式(e.g. 光、磁、聲) 國際躍升計 4. 巨量數據 (e.g. 影像、電生 理、腦波)之分析 書 徽求公告 (二)神經系統失常、失能(疾病) **暨說明會** 之預防、診斷與治療 1. 發展尋找biomarker (e.g. 分 子、影像)的創新方法並建立驗證 2. 中樞及周圍神經系统之交互影 響與疾病關聯性研究,及臨床應用

	109年8月20日至	產業或民	跨領域/不
訂宣言	109年10月27日	牛應用	分領域





研究前沿助力研究計畫申請

結果數: 4,319 (從Web of Science 核心合類	排序依据: 日期 1. 一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一一	▲ / 432 ▶
您已檢索: 主題: (brain neuro*) 更多 ▲ 建立追蹤	□選取頁面 □ 選出… 新增至勾選的清單	
	 Mapping Cortical and Subcortical Asymmetry in Obsessive-Compulsive Disorder: Findings From the ENIGMA Consortium 	被引用次數: 8 (從Web of Science 核心合 輯
限縮結果	作者: Kong, Xiang-Zhen; Boedhoe, Premika S. W.; Abe, Yoshinari; 等. 團體作者: ENIGMA OCD Working Grp	🌪 被高度引用的論文
在結果内檢索 Q	BIOLOGICAL PSYCHIATRY 吞卌: 87期: 12 良數: 1022-1034 出版: JUN 15 2020	使用情況計數~
篩選結果:	2. Central nervous system manifestations of COVID-19: A systematic review 作者: Asadi-Pooya, Ali A.; Simani, Leila	被引用次數: 66 (從Web of Science 核心合 輯
 ▲ 領域中的熱門論文(77) ● 員放取用(3,123) ■ ■ 關聯的資料(148) 	SFX Demo Op 在WOS檢索徵求計畫關鍵字 並以ESI標準篩選熱點研究	
限縮 出版年份 2020 (184) 2019 (515) 2018 (459)	3. Cerium Oxide Nanoparticles Improve Outcome after In Vitro and In Vivo Mild Traumatic Brain Injury 作者: Bailey, Zachary S.; Nilson, Eric; Bates, John A.; 等. JOURNAL OF NEUROTRAUMA 卷冊: 37 期: 12 頁數: 1452-1462 出版: JUN 15 2020 ■SFX Demo OpenURL Li 3 出版者提供的免费全文 檢視摘要 ▼	被引用次數:8 (從Web of Science 核心合 弱 ??? 被高度引用的論文 使用情況計數 ~
2017 (475)		





ESI 能回答什麼問題?

關注最近10年內出版且在同領域中被引用狀況位於前1%以上的出版物

- 在我的研究領域中,哪些文章最常被引用?
- 哪些文章在發表後迅速引發大量關注? (Hot Papers)
- 哪些機構發表高被引研究成果?
- 使用者端指標工具
 - 教職員和學生能用來了解研究領域中的高被引論文
 - 哪些機構或國家發表高被引論文?
 - 哪些是有新興研究的潛在領域?
 - 用來限縮Web of Science的檢索結果





查詢長庚大學 Top Papers的世界機構排名

Top Papers by Institutions

Results List	Map View by Top / Hot / Highly Cited Papers						Show Visualization +		
Institutions	Report	View by Selection	n				Customize		
Filter Results By 🥑	Total: 3	Institutions	-	Web of Science	Cites -	Cites/Paper	Top Papers		
Changing the filter field removes all current filters.			21	Sort Ascending					
Add Filter »	623	CHANG GUNG	Z ↓ A↓	Sort Descending	163,454	10.10	63		
	649	CHANG GUNG MEM HOSP		Filters	156,239	11.40	79		
Include Results For	3766	CHANG GUNG UNIV SCI TECH		586	7,131	12.17	0		
Top Papers 🗸									
Clear Save Criteria	K轉H	ighly Cite	ed	Papers / H	Iot Pape	rs			





查詢長庚大學進入ESI的收錄領域

Top Papers by Research Fields

Results List	Map Vi	w Visualization +				
Research Fields	包含	All Fields ,				Customize
Filter Results By 😮	Total: 11	Research Fields	Web of Science Documents	Cites -	Cites/Paper	Top Papers
Changing the filter field removes all current filters.	1	CLINICAL MEDICINE	7,962	78,144	9.81	
* CHANG GUNG UNIV	2	MOLECULAR BIOLOGY & GENETICS	765	13,595	17.77	-
Include Results For	3	NEUROSCIENCE & BEHAVIOR	1,022	11,654	11.40	
Top Papers 🗸	4	BIOLOGY & BIOCHEMISTRY	872	11,012	12.63	
Clear Save Criteria	5	PHARMACOLOG Y & TOXICOLOGY	715	9,226	12.90	
	6	CHEMISTRY	908	8,967	9.88	
	7	IMMUNOLOGY	637	6,836	10.73	
	8	MATERIAL S SCIENCE	540	5,281	9.78	
		引用趨勢				

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查詢長庚大學進入ESI臨床醫學領域的收錄文章

Papers by Resear	ch Field		
引用趨勢 Litation Trends	:引用次數/出版年/ Sort By Citations	/ <mark>期刊名稱</mark> Customize Documents	
Documents Filter Results By 2 Add Filter »	1 SUNITINIB MALATE F NEUROENDOCRINE T By: RAYMOND, E; DA Source: N ENGL J MED Research Fields: CLINI	OR THE TREATMENT OF PANCREATIC UMORS. HAN, L; RAOUL, JL; et.al D 364 (6): 501-513 FEB 10 2011 CAL MEDICINE	Times Cited: 776 Research Front 研究前沿
CHANG GUNG UNIV Include Results For Top Papers Clear Save Criteria	2 ESTIMATION OF THE PHARMACOGENETIC By: KLEIN, TE; ALTMA Source: N ENGL J MED Research Fields: CLINI	WARFARIN DOSE WITH CLINICAL AND DATA NN, RB; ERIKSSON, N; et.al D 360 (8): 753-764 FEB 19 2009 CAL MEDICINE	Times Cited: 703
	3 ASIAN-PACIFIC CONS MANAGEMENT OF CH	ENSUS STATEMENT ON THE RONIC HEPATITIS B: A 2008 UPDATE	Times Cited: 575





查詢長庚大學進入ESI臨床醫學領域的引用趨勢





Science Group

一個五年為基準點五年滾動數據

訊有限公司

查詢**長庚大學在臨床醫學**的機構排名

Top Papers by Institutions

Results List	Map View by Top / Hot / Highly Cited Papers Show Visualization						
Institutions	Report	View by Selection	n				Customize
Filter Results By ② Changing the filter field removes all	Total: 3972	Institutions	▼	Web of Science	Cites -	Cites/Paper	Top Papers
Add Filter »	287	CHANG GUNG MEM HOSP	Z Z A V	Sort Descending 1	97,165	<mark>11.</mark> 01	60
* Clinical Medicine	350	CHANG GUNG		Filters	chang gung	9.81	38
Include Results For	2397	CHANG GUNG UNIV SCI TECH		343	3,886	11.33	0
Top Papers 🗸							
Clear Save Criteria							







Research Front

Research Front – finding scientific specialties

- Research Front is a group of papers based on the frequent co-citation patterns
 - finer subdivision than analyzing by discipline
 - more contextual than analyzing individual papers or journals







Research Front Research Fronts methodology

 When paper A and B are "co-cited" by paper P, A and B are likely to have topical relevance.



 When this "co-citation" is frequent, it forms a group of papers that are "topically associated" to one another.



Small, H. Co-citation in scientific literature: new measure of relationship between two documents, "Journal of the American Society for Information Science, 24(4): 265-269, 1973







Thank you!

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