

利用Web of Science激發研究靈感 加快論文寫作腳步

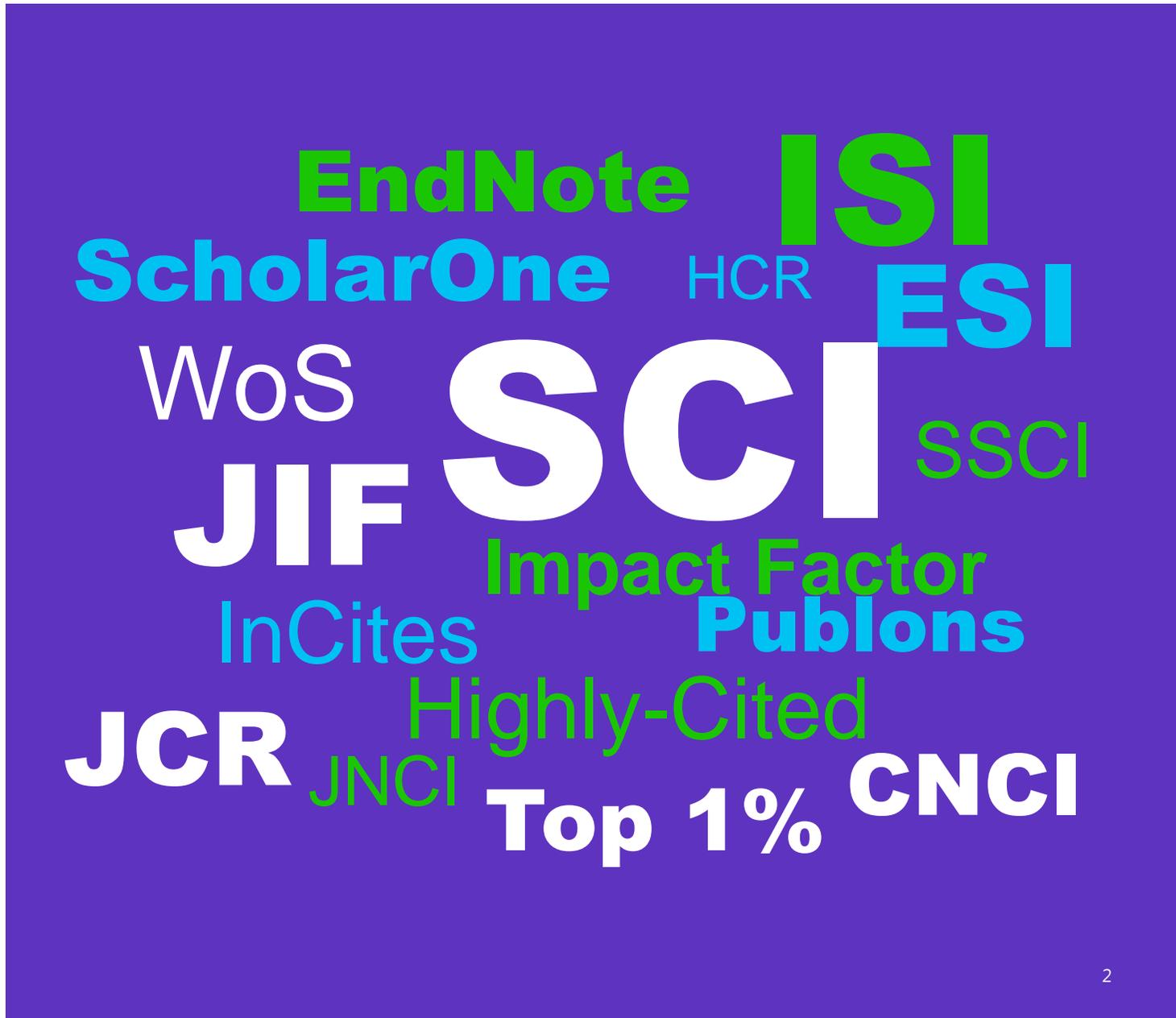


科睿唯安 Clarivate Analytics
政府與大學解決方案顧問 Solution Consultant

官欣瑩 Renee Guan
renee.guan@clarivate.com



- 原湯森路透(Thomson Reuters) 智慧財產與科學事業部
- 2016年正式更名為科睿唯安 (Clarivate Analytics)作為獨立公司在全球營運
- 更強化高品質專業資料的收集與整理，除了提供資料更專注於資料分析



150 年的傳承

1864

**Zoological
Records**
動物生物學資料庫建立

1955

SCI

Eugene Garfield 博
士發明引文索引

1963

Derwent

Monty Hyams 發行德溫特專利
摘要

1957

ISI

成立ISI公司

1926

BIOSIS

生物學資料庫建立

1997

WOS

推出全方位引文資料平台
Web of Science

2011

Cortellis

推出生技製藥情報資料庫

2012

MARKMONITOR

收購品牌線上保護公司

2016

**Clarivate
Analytics**

自湯森路透獨立成科睿唯安

2018

Publons

2017 收購人工智慧技術公司

Kopernio

2018 第二次收購人工智慧技術公司

TrademarkVision

2018 第三次收購人工智慧技術公司

Papers

Database

Cloud

AI



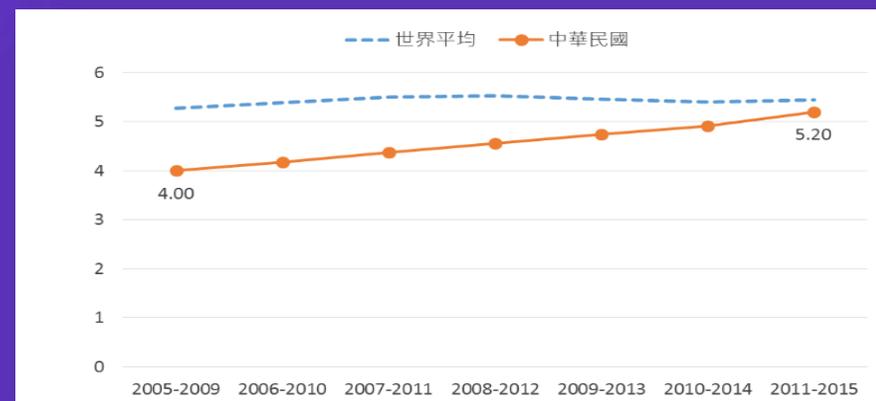
科技政策研究與資訊中心 – 科研能量分析記者會

科政中心舉辦「我國科技研發能量分析」記者會

2016/10/27



國家實驗研究院科技政策研究與資訊中心(科政中心)利用科睿唯安資料庫Web of Science, InCictes進行國際學術論文分析，將近年來我國科學論文發表數量與影響力進行分析，並與韓國、日本及中國大陸互為比較。為台灣的學校競爭力做常期分析與觀察。



與各政府及研究機構密切合作關注創新領域

機器人技術研發與專利分析

機器人技術是一項多學科研究領域，涉及機械學、電氣工程、材料科學、自動控制系統、生物材料和人工智能。

Clarivate Analytics | 科睿唯安

**中國人工智能發展報告
2018**

清華大學中國科技政策研究中心
2018年7月

Clarivate Analytics | 科睿唯安

人工智慧

下一代數位轉型的創新力與願望

工業 4.0：現在和未來

Clarivate Analytics | 科睿唯安

全球 25 大創新政府機構

資料來源：
科睿唯安與路透社新聞
2017年1月

Web of Science
Trust the difference

Clarivate Analytics

Identifying Emerging Research Areas for next generation energy systems

Natural Resources Canada partnered with Clarivate Analytics to create a map of current research fronts relevant to energy system evolution.

This task was part of the Generation Energy initiative to identify frontier science that pushes the boundaries of knowledge through discovery and to stimulate discussion on how to leverage science to achieve Canada's vision for the future.

Clarivate Analytics identified 201 emerging research areas (ERAs) related to energy systems. Using methodology derived from the Louvain algorithm, 11 clusters were identified among the ERAs through the strength of similarity between ERA articles citing multiple Research Fronts.

How Clarivate Analytics Identifies Emerging Research Areas

- We identify all publications within a specified field, subject area, or topic.
- We then identify the top 1% of those papers based on normalized citation counts.
- Next, we analyze how those top papers are being cited to identify thematic clusters called Research Fronts.
- Finally, we analyze the recent papers using these Research Fronts and how these larger sets of Emerging Research Areas interact.

Translating clusters into a narrative of science drivers for broader engagement

A densely connected core may reflect the central place of materials development in energy system research.

A focus of core clusters on the themes of solar and energy storage may well point to the key science contributions that will drive a first wave of energy system transformation.

The periphery may define where energy system research might go next, defining new core components, and a second wave of science contributions.

Clarivate Analytics

全球工程焦點 2017

全球工程焦點
Engineering Focus

- 機械與運程工程領域
- 物產與電子工程領域
- 化工、冶金與材料工程領域
- 能源與礦業工程領域
- 土木、水利與建築工程領域
- 紡織與紡織工程領域
- 安全領域
- 医药卫生领域
- 工程管轄领域

中國工程院院刊
The CAE Center for Strategic Studies

Clarivate Analytics | 科睿唯安

**全球工程前沿
2018**

中國工程院院刊
The CAE Center for Strategic Studies

Clarivate Analytics | 科睿唯安

**中國國際科研合作
現狀報告**

—— 基于文獻計量分析的視角

中國科技政策研究中心
Clarivate Analytics | 科睿唯安

2017 TOP 100 CHINESE INNOVATORS

NOVEMBER 2017

CLARIVATE ANALYTICS

Clarivate Analytics

2017 全球百大創新機構

Clarivate Analytics | 科睿唯安

永續發展目標的研究導覽

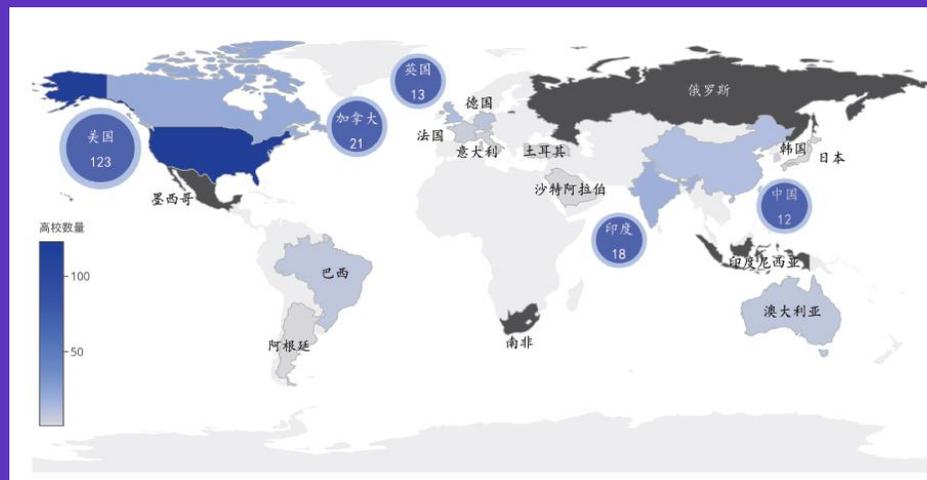


- **聯合國永續發展目標 (SDGs)** 是對美好未來的共同願望，也是聯合投入和共同努力的重要工作。2015年9月聯合國大會通過了永續發展目標(A/RES/70/1)，透過**232個具體指標追蹤17個主要目標的進展**。永續發展的推進離不開各個國家和區域政府利用現有資源和知識，組織和推動相關重要工作，許多專案需要在現有的科學知識和新的嘗試基礎上，開展多學科的研究和創新。
- 『永續發展目標』的相關文獻從2010年之前每年不到100篇論文到2016年（17個永續發展目標發佈後的第二年）論文數量呈上升趨勢，到2018年，核心論文數量超過500篇，引用論文數量達到4000篇左右。
- 我們的報告旨在利用Web of Science 引文索引的知識資源和ISI的分析能力，自上而下的**梳理全球科研活動**，**同時也為SDG的決策者提供一個獨特的背景視角**。

G20 國家科技競爭格局之辯：人工智慧專題



- 《G20 國家科技競爭格局之辯（人工智慧專題）》
- 報告以全球重要經濟體集團—20 國集團（簡稱 G20），Web of Science 資料庫以及網路開放資料和資料，從**國家戰略佈局、基礎支撐、科學技術發展和產業發展角度揭示 G20 國家在人工智慧領域的競爭格局**



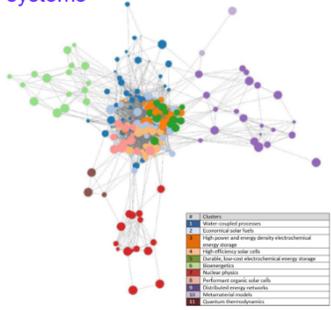
加拿大的綠能研發的 下一步

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National Resources Canada / Ressources naturelles Canada

Clarivate Analytics

- 科睿唯安與加拿大自然資源部 (Natural Resources Canada) 合作建立與能源系統演化相關的研究前沿地圖，**探尋下一代能源系統**。該專案是加拿大“Generation Energy”計畫的一部分，目的是透過找出推動知識進展的前沿科學 (frontier science)，激發關於如何利用科學實現加拿大對未來願景的討論。

解析科技文獻的大數據掌握研究最焦點：研究前沿



研究前沿報告下載：<https://clarivate.com.tw/research-fronts>

2018研究前沿：數學、電腦科學與工程學

運用研究前沿尋找領域熱門主題



表 46 數學、電腦科學與工程學領域 Top 10 熱點前沿

排名	熱點前沿	核心論文	被引次數	核心論文平均出版年
1	適應性模糊最佳控制系統研究	39	1679	2016.2
2	無線感測器網路的資料獲取、傳輸與安全和隱私保護	31	827	2016.1
3	基於 D 數理論的決策方法研究	43	1353	2016
4	面向 5G 的非正交多重存取	22	826	2016
5	二階梯度彈性理論及其應用	47	1576	2015.6
6	幾類典型非線性發展偏微分方程的求解及其在流體力學、電磁學等領域的應用	28	817	2015.6
7	基於智慧卡、生物特徵等的遠端使用者認證方案及相關技術	46	4211	2015.3
8	多細微性模糊決策理論的略集合模型研究	47	1816	2015.3
9	離散時間延遲系統穩定性分析方法研究	17	1176	2015.1
10	混沌圖像加密演算法研究	25	1114	2015

表 53 數學、電腦科學與工程學領域的 2 個新興前沿

序號	新興前沿	核心論文	被引次數	核心論文平均出版年
1	非線性發展方程的孤子解及其在流體力學、光纖通訊等領域的應用	10	250	2016.6
2	多重代理人智慧系統一致性研究	8	186	2016.6

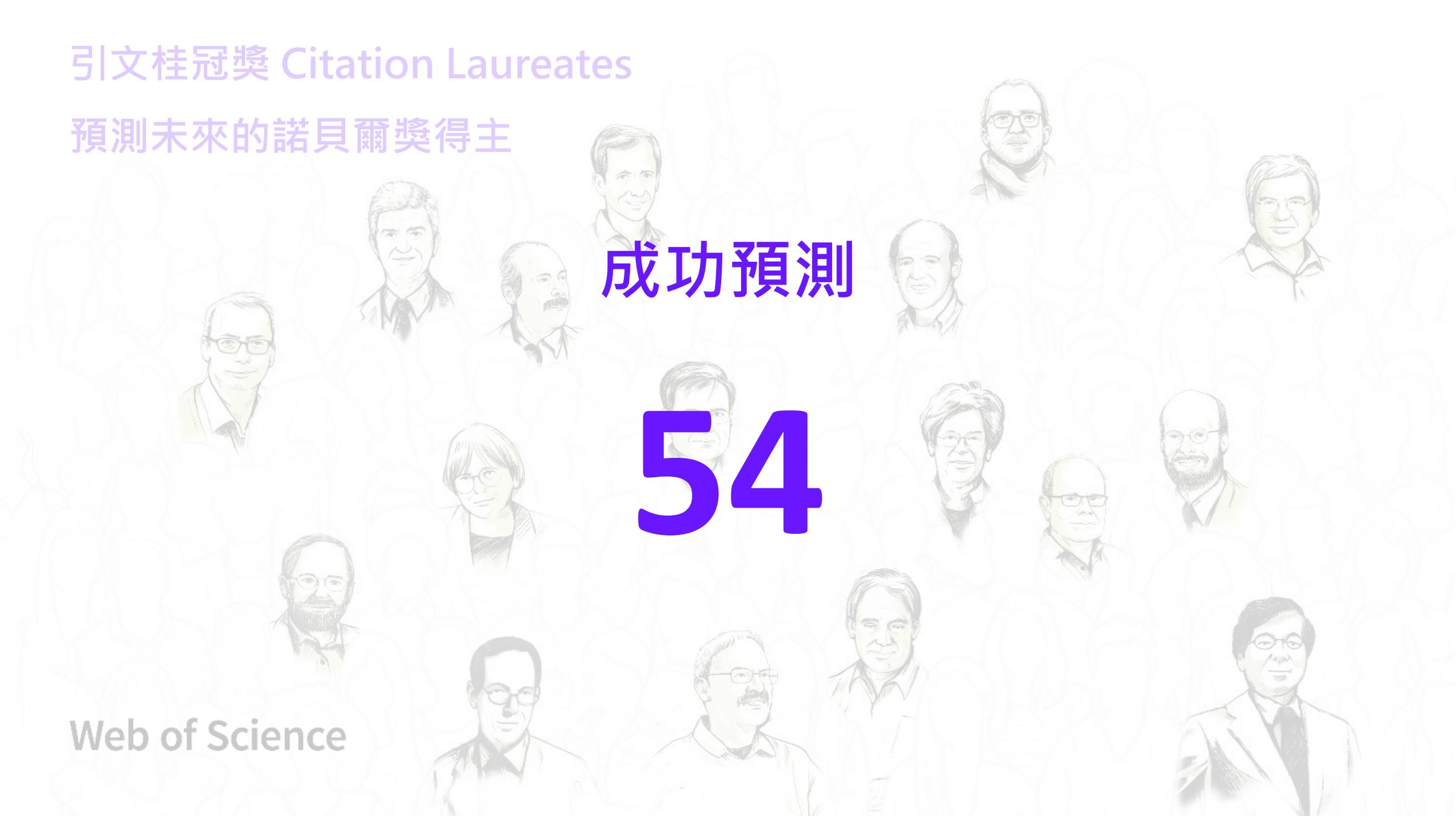
引文桂冠獎 Citation Laureates

預測未來的諾貝爾獎得主

成功預測

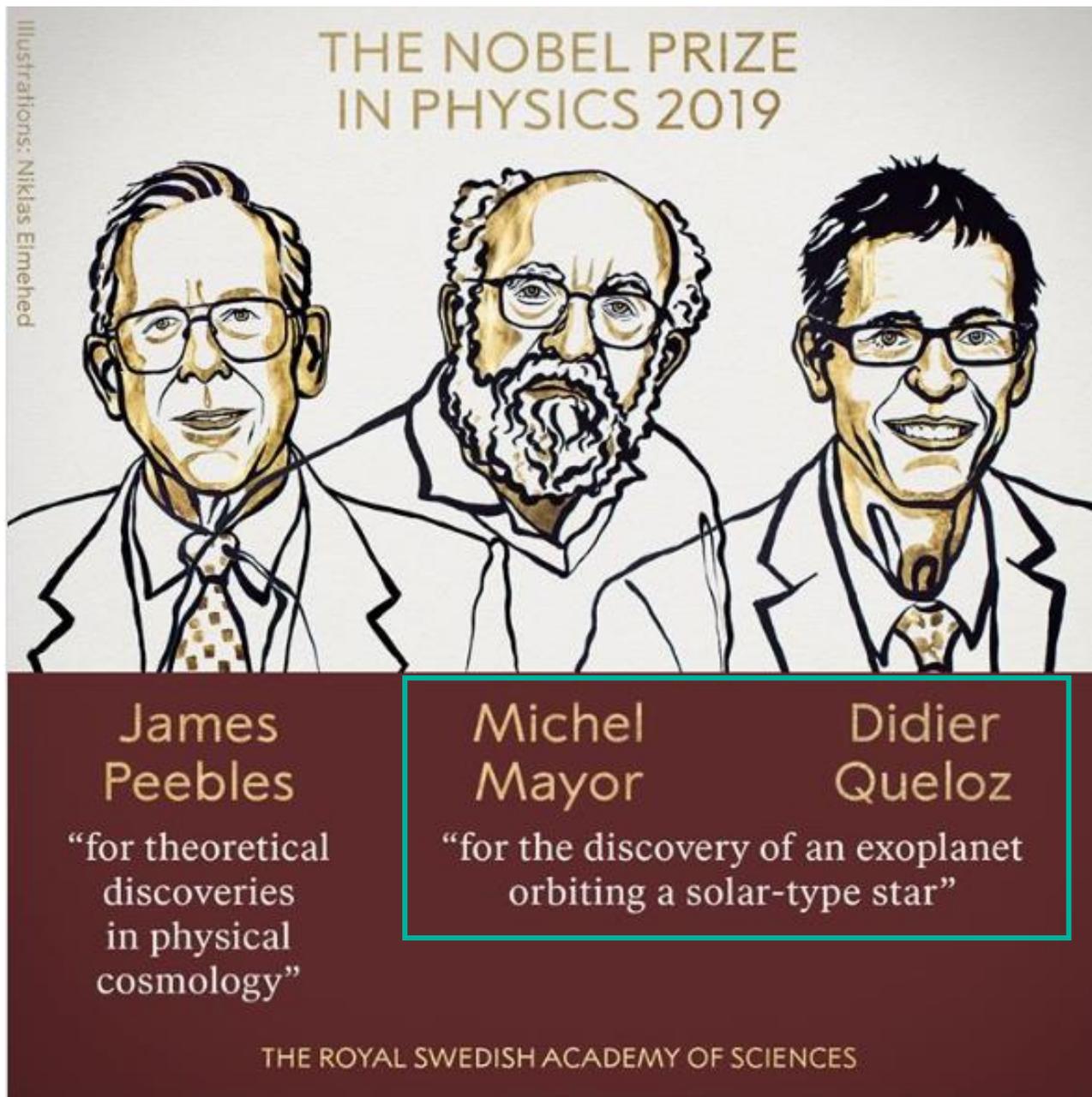
54

Web of Science



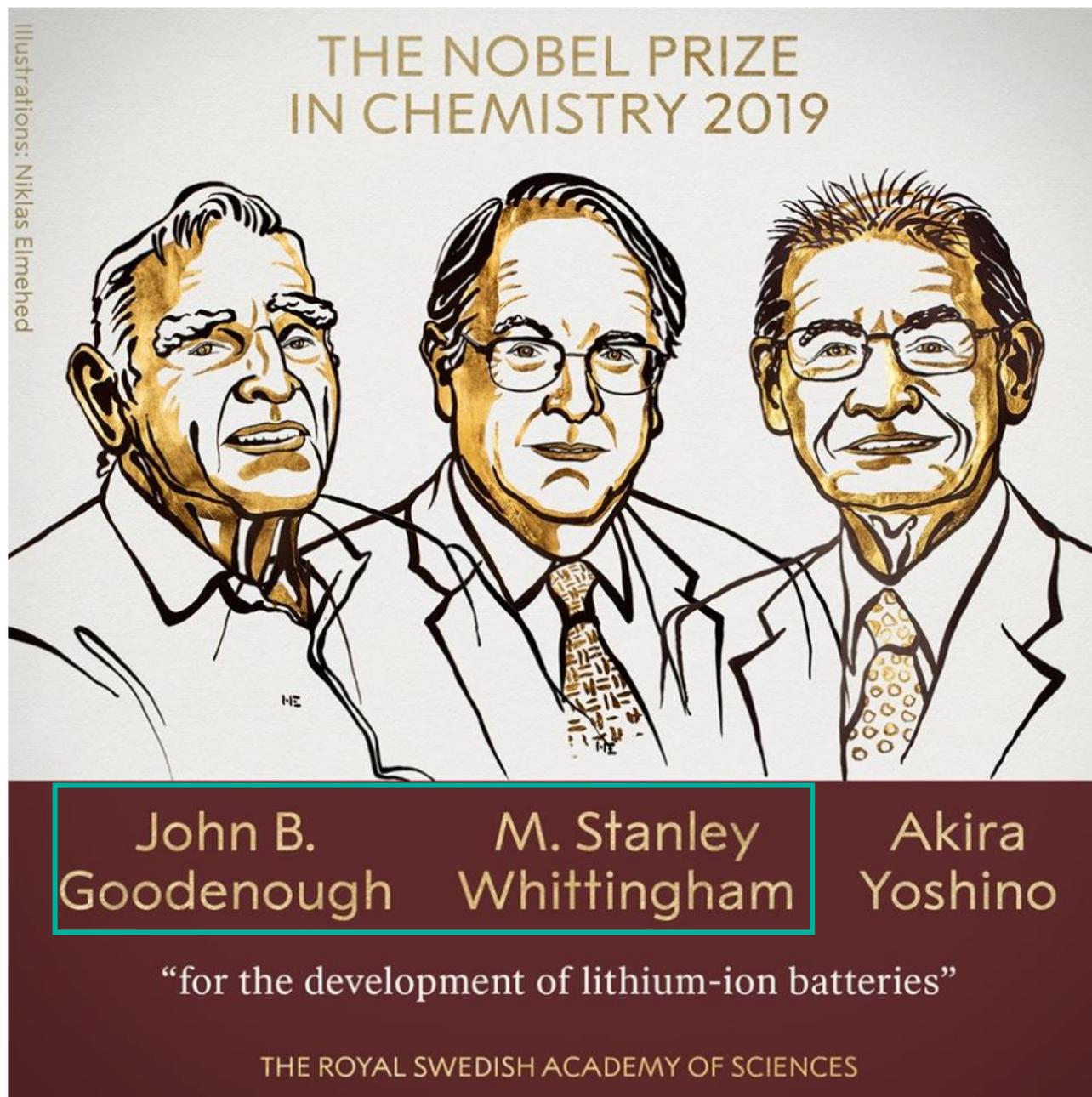
2013 引文桂冠獎得主

對Web of Science引文索引中獲得極高引用的論文進行的分析，獲獎者的研究成果普遍被認為是達到「諾貝爾獎等級」的研究工作，因此該獎項通常被譽為諾貝爾獎風向球。



2015 引文桂冠獎得主

對Web of Science引文索引中獲得極高引用的論文進行的分析，獲獎者的研究成果普遍被認為是達到「諾貝爾獎等級」的研究工作，因此該獎項通常被譽為諾貝爾獎風向球。



Web of Science Highly Cited Researchers 2018

科睿唯安公布2018年高被引學者，
台灣19位研究者深受國際肯定



#HighlyCited2018

 **Clarivate**
Analytics

高被引學者都是該領域被認可的專家學者



- 研究生質能、潔淨能源、氫能等燃燒領域，近年來投入生質物「焙燒 (Torrefaction)」技術研究

國立成功大學
航空太空工程研究所特聘教授 陳維新



- 研究致力於新穎太陽能電池材料與元件，製程及光電性質分析之研究。

國立成功大學
光電科學與工程學系教育 陳昭宇



- 致力於綠色合成奈米材料，並將其應用於感測器、細胞影像、藥物及新能源

國立台灣大學
化學系教授 張煥宗



- 研究焦點專注於材料化學核心技術中的「光轉換光」、「光轉換電」及「光轉換熱」的配方、合成、分析與應用

國立台灣大學
化學系特聘教授 劉如熹



- 研究於複雜性氧化物 complex oxides，多鐵材料，強關聯電子系統，與其相關之新穎奈米結構，異質結構/介面之分析

國立交通大學
材料科學與工程學系所教授 朱英豪



- 主要研究領域為食品化學、疾病化學預防以及保健與機能性食品

國立台灣大學
食品科技研究所特聘教授兼所長 潘敏雄

在Google大神的世代下
你的專業價值是什麼？

From Data to Insight

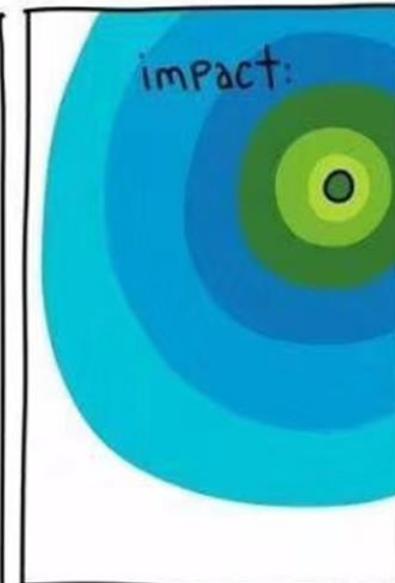
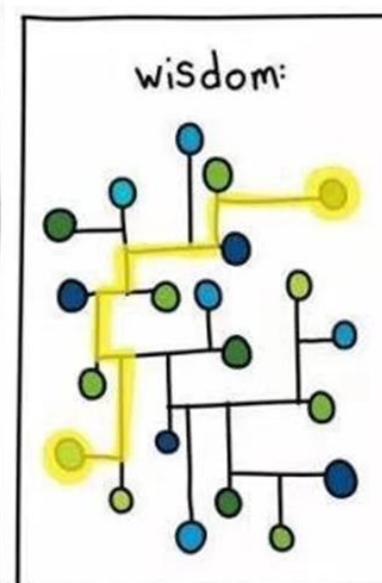
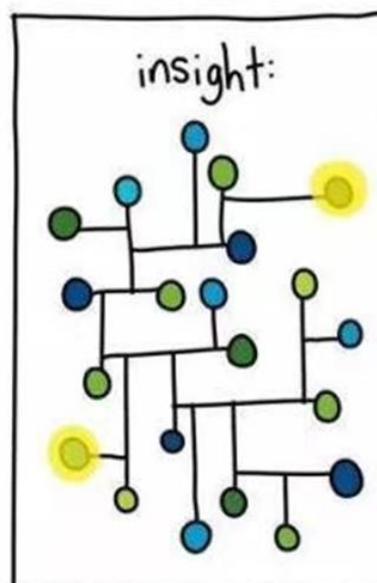
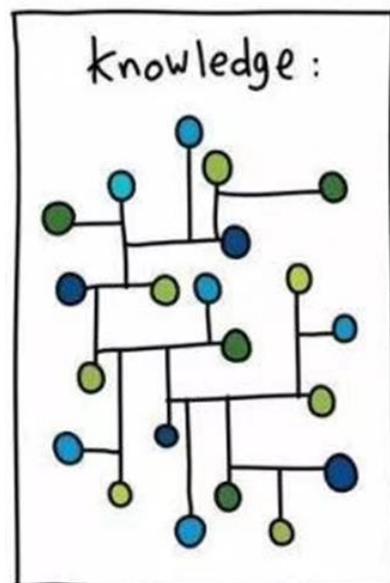
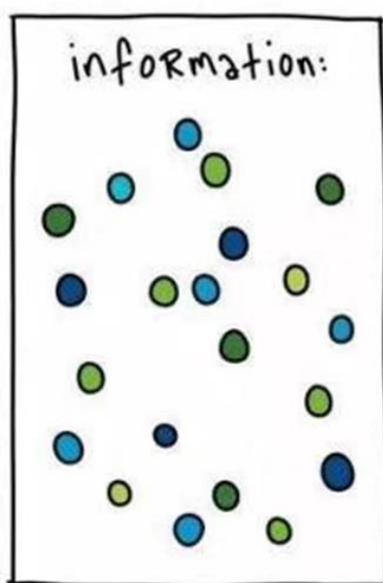
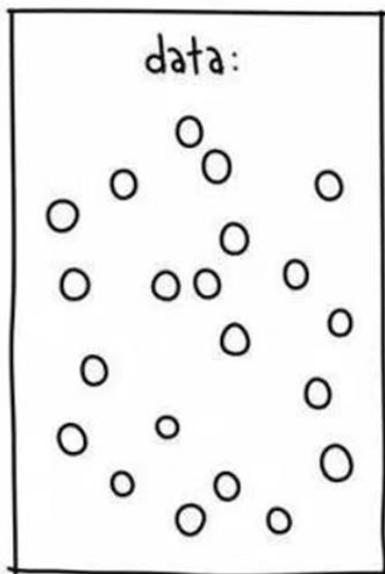
找資料

分析

洞析

預測

決策



SCI+SSCI+A&HCI

數據爆炸的時代

2,500,000

2,000,000

1,500,000

1,000,000

500,000

0

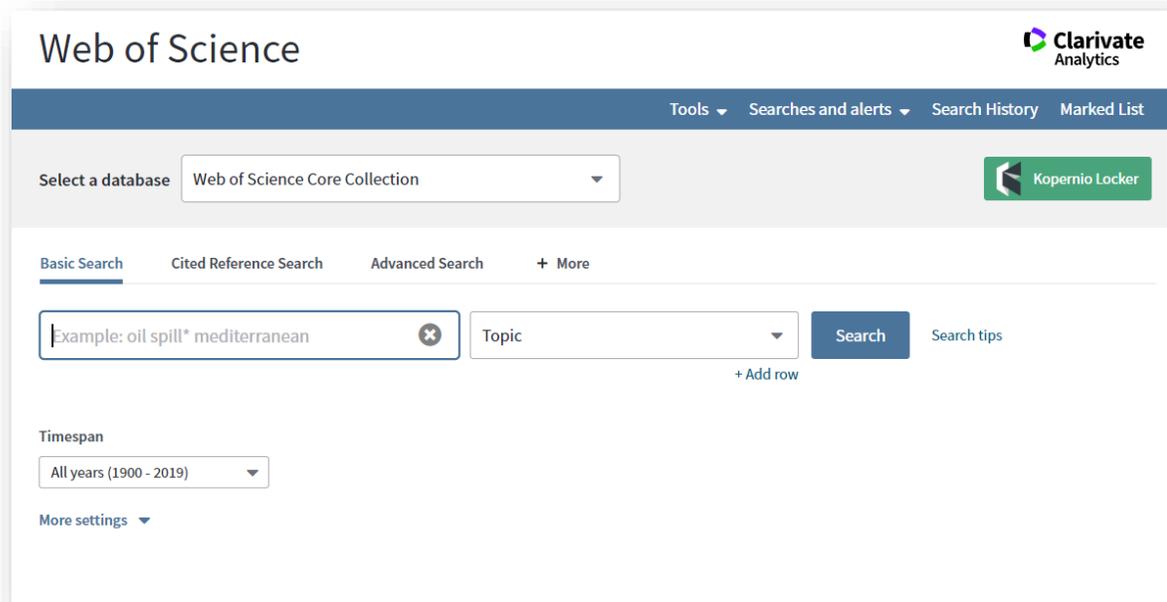
2,338,495

1950 1952 1954 1956 1958 1960 1962 1964 1966 1968 1970 1972 1974 1976 1978 1980 1982 1984 1986 1988 1990 1992 1994 1996 1998 2000 2002 2004 2006 2008 2010 2012 2014 2016

Question

當你要買一本書時，你會從哪先看哪裡去決定？

A. 目錄



The screenshot displays the Web of Science search interface. At the top left, the text "Web of Science" is visible. In the top right corner, the "Clarivate Analytics" logo is present. Below the header, there is a navigation bar with links for "Tools", "Searches and alerts", "Search History", and "Marked List". A dropdown menu for "Select a database" is set to "Web of Science Core Collection". To the right of this menu is a "Kopernio Locker" button. The main search area features tabs for "Basic Search", "Cited Reference Search", "Advanced Search", and "+ More". The "Basic Search" tab is active. The search input field contains the text "Example: oil spill* mediterranean" and has a "+ Add row" button next to it. To the right of the input field is a "Topic" dropdown menu and a "Search" button. A "Search tips" link is also visible. Below the search bar, there is a "Timespan" dropdown menu set to "All years (1900 - 2019)" and a "More settings" link.

Web of Science選刊原則

Journal Publishing Standards

- ❖ 準時出版
- ❖ 國際編輯慣例
- ❖ 英文書目資訊
- ❖ Peer Review

Editorial Content

- ❖ 該期刊與相似範圍的涵蓋期刊進行比較？
- ❖ 這個研究問題是否已經被WoS含蓋了嗎？
- ❖ 這本期刊是否會為WoS增添新穎的內容？

International Diversity

- ❖ 這本期刊是以國際或地區讀者為目標嗎？
- ❖ 編輯委員會和作者身份的地理分佈和代表性在期刊的目標群眾和範圍內進行考慮。

Citation Analysis

- ❖ 新刊：作者影響力 (Citation)、編輯團隊先前工作
- ❖ 現有期刊：期刊與其他同領域期刊比較、影響因子 (Impact Factor)

Web of Science核心合輯資料庫：廣度

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

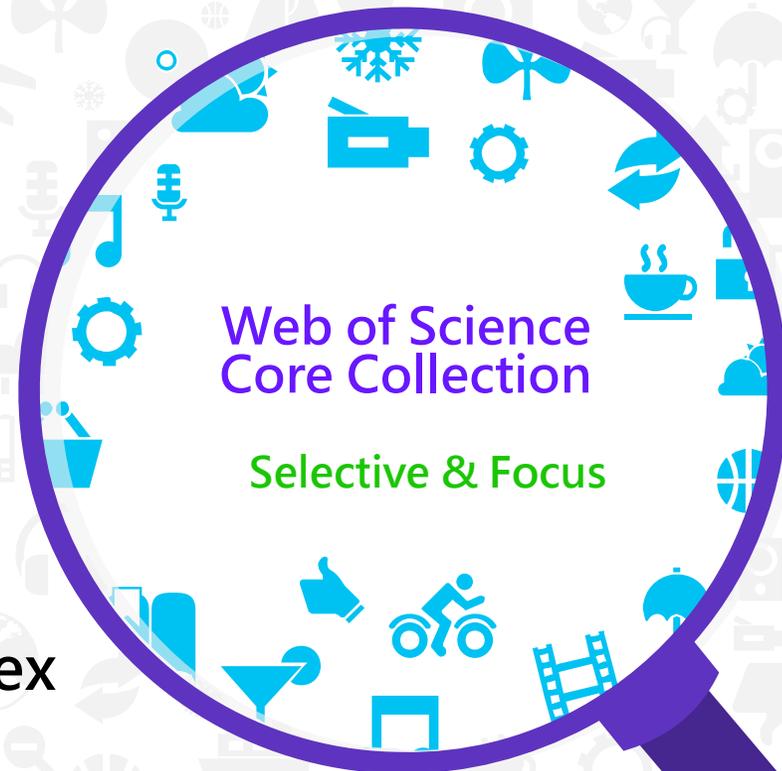
Conference Proceedings Citation Index

• 超過191,000個會議錄 • 1990年-迄今

06

Book Citation Index

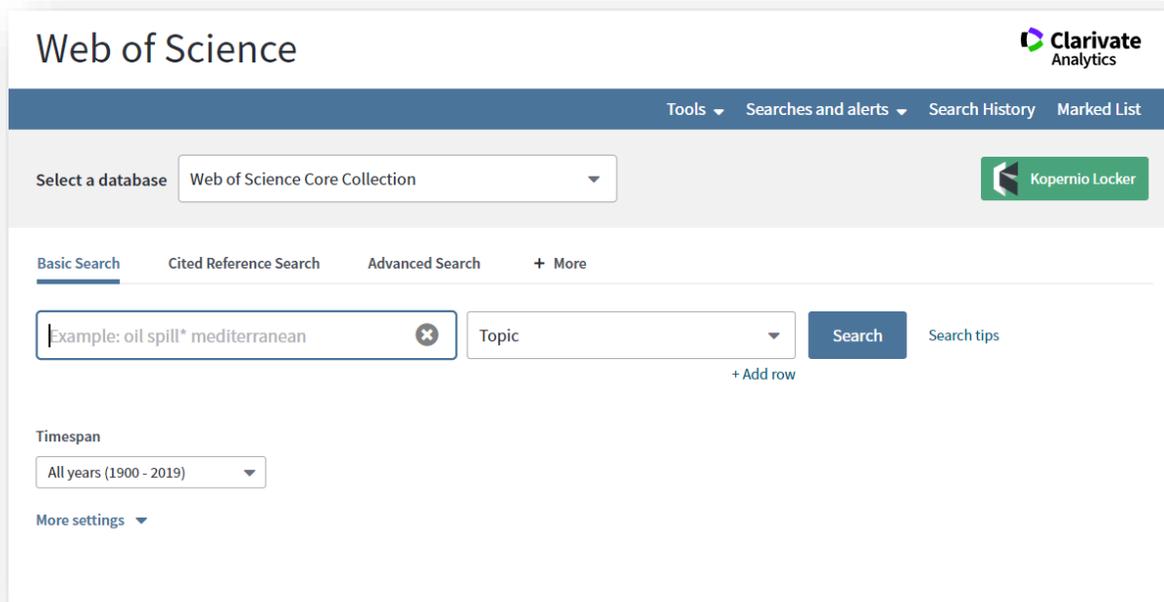
• 80,617種學術專著 • 2005年-迄今



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B. 序/推薦



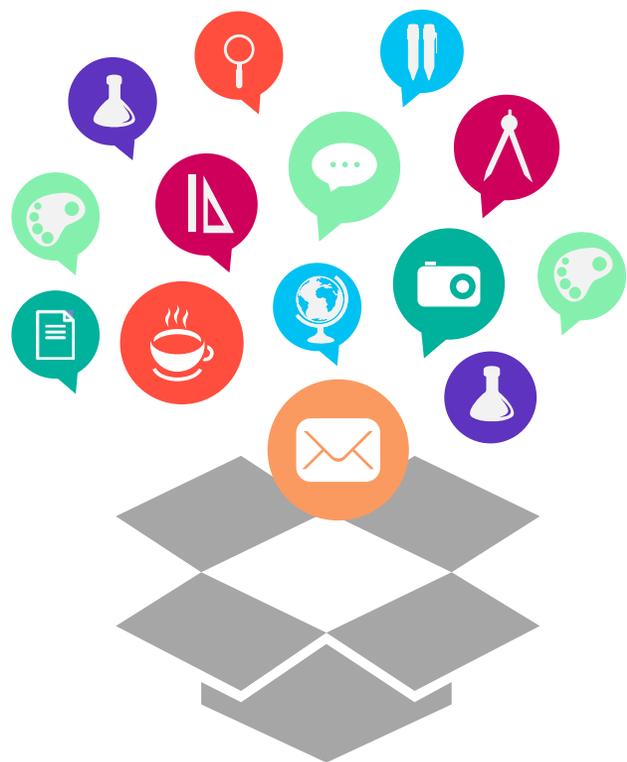
The screenshot shows search results in Web of Science. Three results are listed:

1. **USE OF LEAD CITRATE AT HIGH PH AS AN ELECTRON-OPAQUE STAIN IN ELECTRON MICROSCOPY**
By: REYNOLDS, ES
JOURNAL OF CELL BIOLOGY Volume: 17 Issue: 1 Pages: 208-& Published: 1963
S-F-X Free Full Text from Publisher
2. **The rise of graphene**
EN By: Geim, A. K.; Novoselov, K. S.
NATURE MATERIALS Volume: 6 Issue: 3 Pages: 183-191 Published: MAR 2007
S-F-X Full Text from Publisher View Abstract
3. **Global Cancer Statistics**
By: Jemal, Ahmedin; Bray, Freddie; Center, Melissa M.; et al.
CA-A CANCER JOURNAL FOR CLINICIANS Volume: 61 Issue: 2 Pages: 69-90
Published: MAR-APR 2011
S-F-X Free Full Text from Publisher View Abstract

On the right side, there are three highlighted boxes:

- Times Cited: 25,715 (from Web of Science Core Collection) Usage Count
- Times Cited: 23,704 (from Web of Science Core Collection) Usage Count
- Times Cited: 22,958 (from Web of Science Core Collection) Highly Cited Paper

Web of Science核心合輯資料庫：品質



- Web of Science核心合輯嚴格遵循50多年來一貫的選刊標準，**遴選全球最具學術影響力的高品質期刊**
- 完整收錄每一篇文章的全部資訊，包括全面的引文資訊
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BMC Genetics 2004, 5

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Additional File 1

Excel spreadsheet of ARI genotypes with strain and marker headings for a subset of ARI strains.
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Acknowledgements

Our thanks for financial support from (1) The Informatics Center for Mouse Neurogenetics; (2) P20-MH62009 from NIMH, NIDA, and NSF to RW.W. and (3) R37 HD20275 from NICHD to LMS. We thank Shuhua Qi, Zhiping Jia, for animal care and genotyping; Irina Agulnik, Olga Cherkov, and Edward Gomez for animal care; Arthur Centeno for computer support; Pamela Franklin and Barbara Smith for administrative assistance; and John LeVore, Daniel Goldowitz, and Kristin Hamre for redactions.

References

1. Taylor BA: Recombinant inbred strains. *Genetic Variation in the Laboratory Mouse*, 2nd edn. Edited by: Lyon M L and Searle A G. Oxford, Oxford University Press; 1989:773-796.
2. Silver LM: *Mouse Genetics: Concepts and Applications*. New York: Garland University Press; 1995.
3. Haldane JBS, Waddington CH: Inbreeding and linkage. *Genetics* 1931, 16:357-374.
4. Williams RW, Gu J, Qi S, Lu L: The genetic structure of recombinant inbred mice: high-resolution consensus maps for complex trait analysis. *Genome Biol* 2001, 2:R55-ARCD046.
5. Peters J, Chester B, Williams RW, Lu L: Genetic architecture of the mouse hippocampus: identification of gene loci with selective regional effects. *Genes Brain Behav* 2003, 2:238-252.
6. Grisel JE, Metten P, Wenger CD, Merrill CM, Crabbe JC: Mapping of quantitative trait loci underlying ethanol metabolism in BXD recombinant inbred mouse strains. *Alcohol Clin Exp Res* 2002, 26:610-616.
7. Demarest K, McCaughran J, Jr., Mahjoubi E, Cipp L, Hitzemann R: Identification of an acute ethanol response quantitative trait locus on mouse chromosome 2. *J Neurosci* 1999, 19:549-561.
8. Kaymer J, Demarest K, McCaughran J, Jr., Cipp L, Hitzemann R: Identification and time dependence of quantitative trait loci for basal locomotor activity in the BXD recombinant inbred series and a B6D1 F2 intercross. *Behav Genet* 2000, 30:159-170.
9. Bennett B, Carosone-Lima P, Johnson TE: Genetics of body weight, growth size, and sex ratio in recombinant inbred strains. *Physiological Genomics* 2003, in press.
10. Loufati O, Chaloux S, Camilleri C, Boucher D, Daniel-Vedele F, Bay-ox Shadara recombinant inbred line population: a powerful tool for the genetic dissection of complex traits in Arabidopsis. *Theor Appl Genet* 2002, 104:1173-1184.

11. Tang S, Hestacker A, Kishore YK, Fernandez A, Sadik ES, Cole G, Knapp SJ: Genetic Mapping of the *Ori5* Gene for Resistance to Orobanche Race E in Sunflower. *Crop Sci* 2003, 43:1021-1028.
12. Flores Berrios E, Genabittet L, Kayal H, Albert G, Sarraf A: AFLP mapping of in vitro regeneration traits using recombinant inbred lines in sunflower (*Helianthus annuus* L.). *Theor Appl Genet* 2000, 101:1299-1306.
13. Johnson W, Gengen P: Segregation for performance in recombinant inbred populations resulting from inter-gene pool crosses of common bean (*Phaseolus vulgaris* L.). *Euphytica* 1995, 106:45-56.
14. Saliba-Colombani V, Causse M, Genois L, Philouze J: Efficiency of

引用

15. ...melanogaster. *Proc Natl Acad Sci U S A* 1997, 94:9734-9739.
16. van Swinderen B, Shook DR, Ebert RH, Cherkasova VA, Johnson TE, Shmookler-Beis RJ, Crowder CM: Quantitative trait loci controlling halobutane sensitivity in *Caenorhabditis elegans*. *Proc Natl Acad Sci U S A* 1997, 94:8232-8237.
17. Williams RW, Threadgill DW, Manly KF, Rosen GD, Shou S, Airey DC, Gu J, Lu L: Integrated complex trait analysis of brain and behavior in mouse: near-term prospects for high-resolution QTL mapping using large RI and RIX sets. *The 4th Annual Meeting of the International Behavioral and Neural Genetics Society* San Diego, USA; 2001.
18. Threadgill DW, Hunter KW, Williams RW: Genetic dissection of complex and quantitative traits: from fantasy to reality via a community effort. *Mamm Genome* 2002, 13:175-178.
19. Davauti A: Experimental strategies for the genetic dissection of complex traits in animal models. *Vet Genet* 1998, 18:19-24.
20. Davauti A, Soller M: Advanced intercross lines, an experimental population for fine genetic mapping. *Genetics* 1995, 141:1195-1207.
21. Green EL: *Genetics and Probability in Animal Breeding Experiments*. New York, Oxford University Press; 1981.
22. Wislender CR, Jensen NK, Cooper H, Podlich DW, Smith OS: On the determination of recombination rates in intermated recombinant inbred populations. *Genetics* 2003, 164:741-746.
23. Bailey DW: Strategic uses of recombinant inbred and congenic strains in behavior genetics research. *Genetic Research Strategies for Psychobiology and Psychiatry* Edited by: Gordon ES, Matyszak S, Breakefield XO and Clarinello ED. New York, Plenum; 1981:189-198.
24. Brownman KE, McClain GE, Gora-Mastak G, Neiderhiser JM: Use of recombinant inbred strains to detect quantitative trait loci associated with behavior. *Behav Genet* 1991, 21:99-116.
25. Johnson TE, Defries JC, Markel RD: Mapping quantitative trait loci for behavioral traits in the mouse. *Behav Genet* 1992, 22:635-653.
26. Belknap JK, Metten P, Helms ML, O'Toole LA, Angeli-Gade S, Crabbe JC, Phillips TJ: Quantitative trait loci (QTL) applications to substances of abuse: physical dependence studies with nitrous oxide and ethanol in BXD mice. *Behav Genet* 1993, 23:213-222.
27. Brownman KE, Crabbe JC: Quantitative trait loci affecting ethanol sensitivity in BXD recombinant inbred mice. *Alcohol Clin Exp Res* 2000, 24:17-23.
28. Phillips TJ, Lessor CN, Harland RD, Mitchell GR: Evaluation of potential genetic associations between ethanol dependence and sensitization in BXD/Ty recombinant inbred mice. *J Pharmacol Exp Ther* 1996, 277:613-623.

參考文獻



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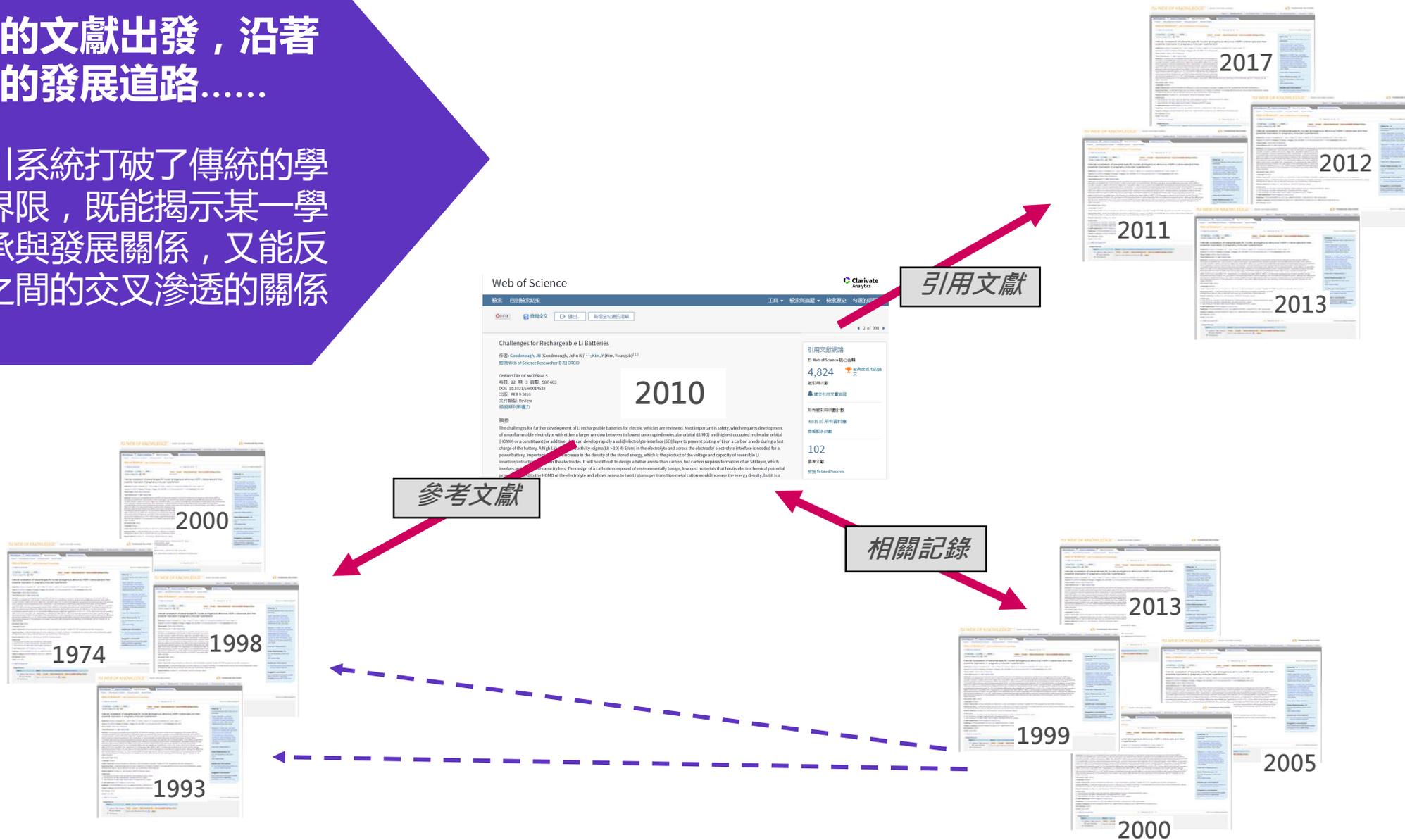
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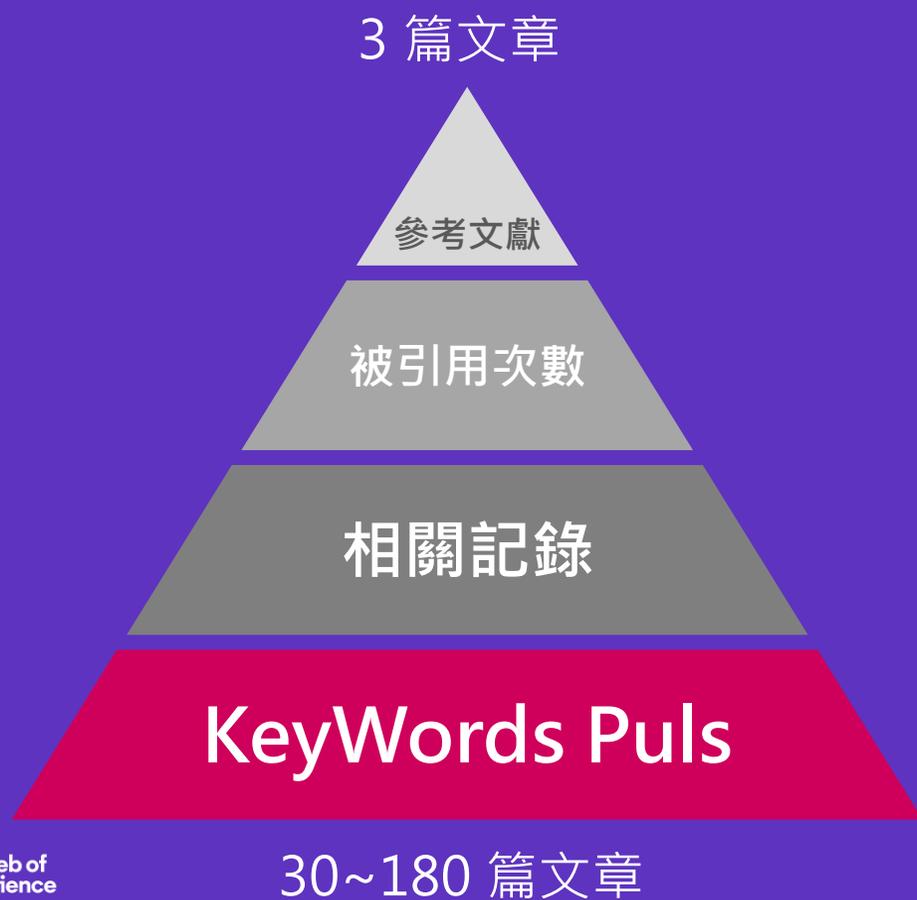
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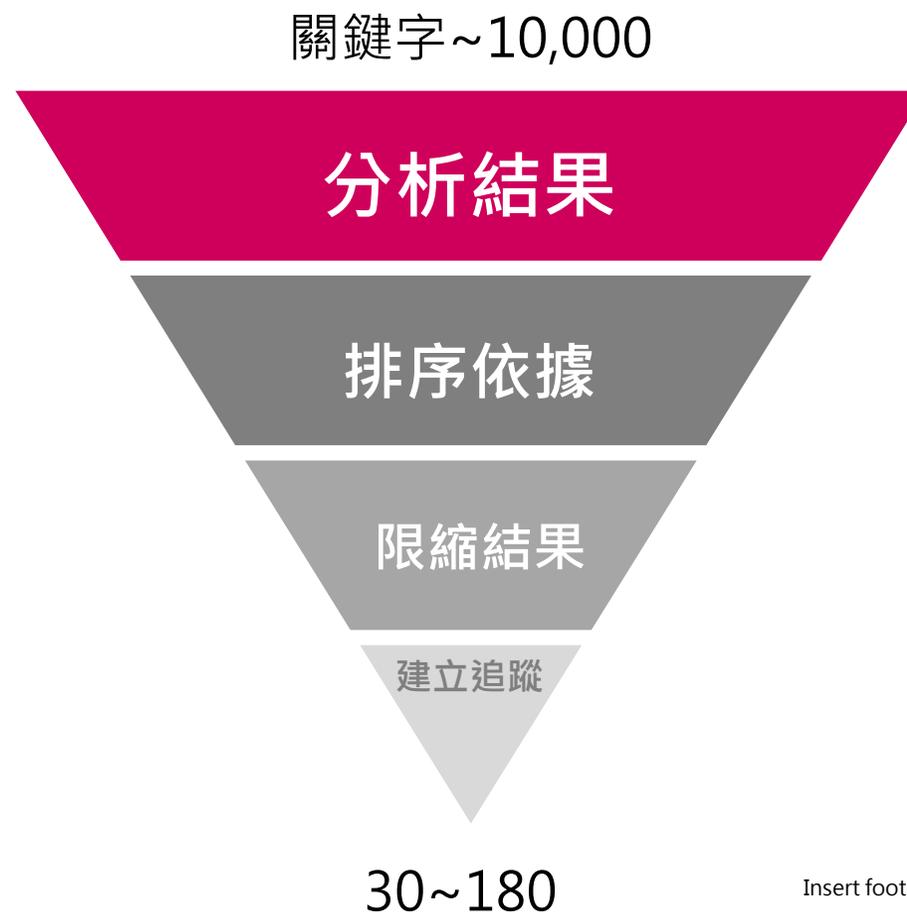
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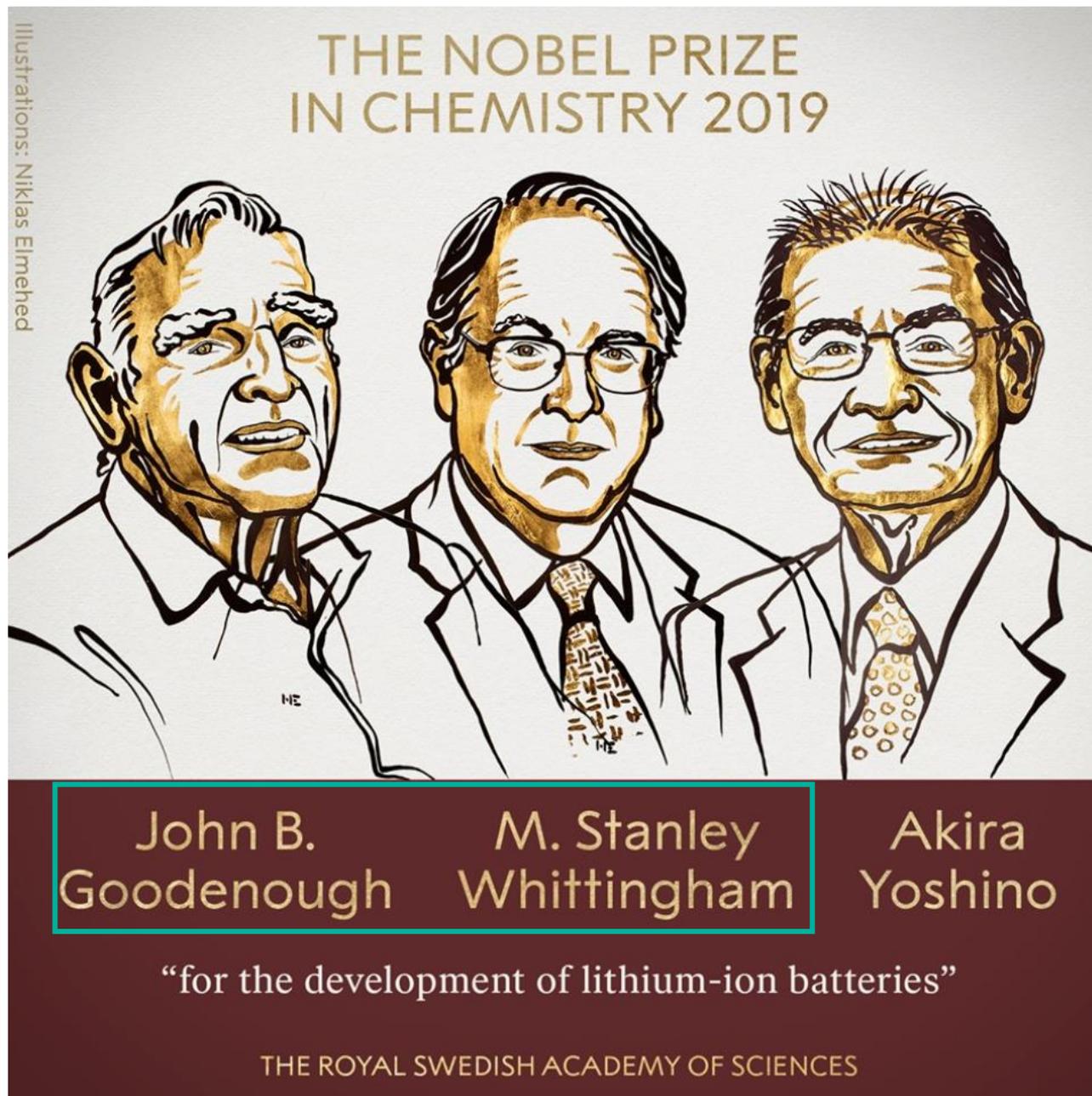


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作者: Goodenough, JB (Goodenough, John B.)^[1]; Kim, Y (Kim, Youngsik)^[1]

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卷冊: 22 期: 3 頁數: 587-603

DOI: 10.1021/cm901452z

出版: FEB 9 2010

文件類型: Review

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摘要

The challenges for further development of Li rechargeable batteries for electric vehicles are reviewed. Most important is safety, which requires development of a nonflammable electrolyte with either a larger window between its lowest unoccupied molecular orbital (LUMO) and highest occupied molecular orbital (HOMO) or a constituent (or additive) that can develop rapidly a solid/electrolyte-interface (SEI) layer to prevent plating of Li on a carbon anode during a fast charge of the battery. A high Li(+)-ion conductivity ($\sigma_{Li} > 10^{-4}$ S/cm) in the electrolyte and across the electrode/electrolyte interface is needed for a power battery. Important also is an increase in the density of the stored energy, which is the product of the voltage and capacity of reversible Li insertion/extraction into/from the electrodes. It will be difficult to design a better anode than carbon, but carbon requires formation of an SEI layer, which involves an irreversible capacity loss. The design of a cathode composed of environmentally benign, low-cost materials that has its electrochemical potential well-matched to the HOMO of the electrolyte and allows access to two Li atoms per transition-metal cation would increase the energy density, but it is a

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32. **Oxide engineering for advanced powersources**
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Conference: International Symposium on Intercalation Compounds for Battery Materials held at the Joint Electrochemical-Society/Japan-Electrochemical-Society Meeting
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Sponsor(s): Electrochem Soc, Battery Div; Electrochem Soc, Energy Technol Div
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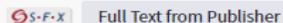
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工具 檢索與追蹤 檢索歷史 勾選的清單

引用文獻：4,824
(從 Web of Science 核心合輯)

針對: Challenges for Rechargeable Li Batteries ...更多

被引用次數計數

4,935 在所有資料庫中

4,824 在 Web of Science 核心合輯中

190 在 BIOSIS Citation Index 中

255 在 Chinese Science Citation Database 中

0 Data Citation Index 中的資料集

0 Data Citation Index 中的出版品

3 在 Russian Science Citation Index 中

0 在 SciELO Citation Index 中

檢視其他被引用次數計數

限縮結果

在結果內檢索...

篩選結果:

- 在領域中被高度引用 (262)
- 領域中的熱門論文 (15)
- 開放取用 (608)
- 關聯的資料 (17)

限縮

出版年份

排序依據：日期 被引用次數 使用情況計數 更多

1 / 483

選取頁面 匯出... 新增至勾選的清單

1. Electrical Energy Storage for the Grid: A Battery of Choices
作者: Dunn, Bruce; Kamath, Haresh; Tarascon, Jean-Marie
SCIENCE 卷冊: 334 期: 6058 頁數: 928-935 出版: NOV 18 2011
S-F-X 檢視摘要
2. Electrochemical Energy Storage for Green Grid
作者: Yang, Zhengu; Zhang, Jianlu; Kintner-Meyer, Michael C. W.; 等.
CHEMICAL REVIEWS 卷冊: 111 期: 5 頁數: 3577-3613 出版: MAY 2011
S-F-X
3. Na-ion batteries, recent advances and present challenges to become low cost energy storage systems
作者: Palomares, Veronica; Serras, Paula; Villaluenga, Irune; 等.
ENERGY & ENVIRONMENTAL SCIENCE 卷冊: 5 期: 3 頁數: 5884-5901 出版: MAR 2012
S-F-X 檢視摘要
4. Rechargeable Lithium-Sulfur Batteries
作者: Manthiram, Arumugam; Fu, Yongzhu; Chung, Sheng-Heng; 等.
CHEMICAL REVIEWS 卷冊: 114 期: 23 頁數: 11751-11787 出版: DEC 10 2014
S-F-X
5. Beyond Intercalation-Based Li-Ion Batteries: The State of the Art and Challenges of Electrode Materials Reacting Through Conversion Reactions

分析結果

建立引用文獻報告

被引用次數: 5,307
(從 Web of Science 核心合輯)

被高度引用的論文

使用情況計數

被引用次數: 2,222
(從 Web of Science 核心合輯)

被高度引用的論文

使用情況計數

被引用次數: 1,980
(從 Web of Science 核心合輯)

被高度引用的論文

使用情況計數

被引用次數: 1,687
(從 Web of Science 核心合輯)

被高度引用的論文

使用情況計數

被引用次數: 1,510
(從 Web of Science 核心合輯)

相關記錄

運用「共同引用參考文獻」的方法論，擴大文獻收集範圍

單篇文章

參考文獻

被引用次數

相關記錄

KeyWords Puls

Web of Science

Clarivate Analytics

檢索 回到檢索結果

工具 檢索與追蹤 檢索歷史 勾選的清單

S·F·X

查閱全文

匯出...

新增至勾選的清單

2 of 990

Challenges for Rechargeable Li Batteries

作者: Goodenough, JB (Goodenough, John B.)^[1]; Kim, Y (Kim, Youngsik)^[1]

檢視 Web of Science ResearcherID 和 ORCID

CHEMISTRY OF MATERIALS

卷冊: 22 期: 3 頁數: 587-603

DOI: 10.1021/cm901452z

出版: FEB 9 2010

文件類型: Review

檢視期刊影響力

摘要

The challenges for further development of Li rechargeable batteries for electric vehicles are reviewed. Most important is safety, which requires development of a nonflammable electrolyte with either a larger window between its lowest unoccupied molecular orbital (LUMO) and highest occupied molecular orbital (HOMO) or a constituent (or additive) that can develop rapidly a solid/electrolyte-interface (SEI) layer to prevent plating of Li on a carbon anode during a fast charge of the battery. A high Li(+)-ion conductivity ($\sigma_{Li} > 10^{-4}$ S/cm) in the electrolyte and across the electrode/electrolyte interface is needed for a power battery. Important also is an increase in the density of the stored energy, which is the product of the voltage and capacity of reversible Li insertion/extraction into/from the electrodes. It will be difficult to design a better anode than carbon, but carbon requires formation of an SEI layer, which involves an irreversible capacity loss. The design of a cathode composed of environmentally benign, low-cost materials that has its electrochemical potential well-matched to the HOMO of the electrolyte and allows access to two Li atoms per transition-metal cation would increase the energy density, but it is a

引用文獻網路

於 Web of Science 核心合輯

4,824  被高度引用的論文

被引用次數

 建立引用文獻追蹤

所有被引用次數計數

4,935 於 所有資料庫

[查看較多計數](#)

102

參考文獻

[檢視 Related Records](#)

相關記錄

運用「共同引用參考文獻」的方法論，擴大文獻收集範圍

單篇文章

參考文獻

被引用次數

相關記錄

KeyWords Puls



檢索 回到檢索結果 工具 ▾ 檢索與追蹤 ▾ 檢索歷史 勾選的清單

排序依據 **相關性** 日期 被引用次數 第一作者 更多 ▾ ◀ 1 / 3,647 ▶

Related Records : 36,466
(從 Web of Science 核心合輯)

針對: Challenges for Rechargeable Li Batteries ...更多

限縮結果

在結果內檢索... 🔍

篩選結果:

- 🏆 在領域中被高度引用 (1,267)
- 🔥 領域中的熱門論文 (32)
- 🔓 開放取用 (3,647)
- 📄 關聯的資料 (179)

出版年份 ▲

- 2020 (5)
- 2019 (2,404)
- 2018 (3,023)
- 2017 (3,192)
- 2016 (3,280)

更多選項/值... 限縮

Web of Science 領域 ▲

- MATERIALS SCIENCE MULTIDISCIPLINARY (15,949)
- CHEMISTRY PHYSICAL (13,937)
- ELECTROCHEMISTRY (10,565)
- CHEMISTRY MULTIDISCIPLINARY

1. **Electrode-Electrolyte Interface in Li-Ion Batteries: Current Understanding and New Insights**

作者: Gauthier, Magali; Carney, Thomas J.; Grimaud, Alexis; 等.
JOURNAL OF PHYSICAL CHEMISTRY LETTERS 卷冊: 6 期: 22 頁數: 4653-4672 出版: NOV 19 2015

Repository 的免費已出版文獻 檢視摘要 ▾

分析結果

「引用文獻報告」功能無法使用。 [?]

被引用次數: 298
(從 Web of Science 核心合輯)

被高度引用的論文

參考文獻: 227

共同的參考文獻: 14

使用情況計數 ▾

2. **Key Aspects of Lithium Metal Anodes for Lithium Metal Batteries**

作者: Ghazi, Zahid Ali; Sun, Zhenhua; Sun, Chengguo; 等.
研討會: 1st International Conference of Novel Function Materials (ICNFM) 位置: Anshan, PEOPLES R CHINA 日期: SEP 16-18, 2018
SMALL 卷冊: 15 期: 32 特刊: SI 文獻號碼: 1900687 出版: AUG 2019

檢視摘要 ▾

被引用次數: 4
(從 Web of Science 核心合輯)

參考文獻: 245

共同的參考文獻: 12

使用情況計數 ▾

3. **Recent progress in theoretical and computational investigations of Li-ion battery materials and electrolytes**

作者: Bhatt, Mahesh Datt; O'Dwyer, Colm
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷冊: 17 期: 7 頁數: 4799-4844 出版: 2015

出版者提供的免費全文 檢視摘要 ▾

被引用次數: 117
(從 Web of Science 核心合輯)

參考文獻: 523

共同的參考文獻: 12

使用情況計數 ▾

4. **The Li-Ion Rechargeable Battery: A Perspective**

作者: Goodenough, John B.; Park, Kyu-Sung

JOURNAL OF THE AMERICAN CHEMICAL SOCIETY 卷冊: 135 期: 4 頁數: 1167-1176 出版: JAN 30 2013

被引用次數: 3,134
(從 Web of Science 核心合輯)

Insert footer 40

KeyWords Puls

WOS獨有欄位

不會與標題、作者關鍵字重覆，且緊扣主題

單篇文章

參考文獻

被引用次數

相關記錄

KeyWords Puls

30-180文獻

Challenges for Rechargeable Li Batteries

作者: Goodenough, JB (Goodenough, John B.)^[1]; Kim, Y (Kim, Youngsik)^[1]
檢視 Web of Science ResearcherID 和 ORCID

CHEMISTRY OF MATERIALS
卷冊: 22 期: 3 頁數: 587-603
DOI: 10.1021/cm901452z
出版: FEB 9 2010
文件類型: Review
檢視期刊影響力

摘要

The challenges for further development of Li rechargeable batteries for electric vehicles are reviewed. Most important is safety, which requires development of a nonflammable electrolyte with either a larger window between its lowest unoccupied molecular orbital (LUMO) and highest occupied molecular orbital (HOMO) or a constituent (or additive) that can develop rapidly a solid/electrolyte-interface (SEI) layer to prevent plating of Li on a carbon anode during a fast charge of the battery. A high Li(+)-ion conductivity ($\sigma(\text{Li}) > 10(-4) \text{ S/cm}$) in the electrolyte and across the electrode/ electrolyte interface is needed for a power battery. Important also is an increase in the density of the stored energy, which is the product of the voltage and capacity of reversible Li insertion/extraction into/from the electrodes. It will be difficult to design a better anode than carbon, but carbon requires formation of an SEI layer, which involves an irreversible capacity loss. The design of a cathode composed of environmentally benign, low-cost materials that has its electrochemical potential well-matched to the HOMO of the electrolyte and allows access to two Li atoms per transition-metal cation would increase the energy density, but it is a daunting challenge. Two redox couples can be accessed where the cation redox couples are "pinned" at the top of the 0 2p bands, but to take advantage of this possibility, it must be realized in a framework structure that can accept more than one Li atom per transition-metal cation. Moreover, such a situation represents an intrinsic voltage limit of the cathode, and matching this limit to the HOMO of the electrolyte requires the ability to tune the intrinsic voltage limit. Finally, the chemical compatibility in the battery must allow a long service life.

關鍵字

KeyWords Plus: LITHIUM-ION BATTERIES; NANOCOMPOSITE POLYMER ELECTROLYTES; ELECTROCHEMICAL PROPERTIES; SECONDARY BATTERIES; CATHODE MATERIALS; GEL ELECTROLYTES; GLASS-CERAMICS; SOLID-SOLUTION; CELLS; PERFORMANCE



鋰離子電池；奈米複合高分子電解質；電化學性能；二次電池；陰極材料；凝膠電解質；玻璃陶瓷；實在的方法；細胞；性能

引用文獻網路

於 Web of Science 核心合輯

4,824 被高度引用的論文

被引用次數

建立引用文獻追蹤

所有被引用次數計數

4,935 於 所有資料庫

查看較多計數

102

參考文獻

檢視 Related Records

最近被以下文獻引用:

Yu, Juan; Ma, Nani; Peng, Jiabin; 等.
Different Dimensions of g-C₃N₄
Nanomaterials on Sulphur Cathode for
Lithium Sulfur Batteries.
JOURNAL OF NANOSCIENCE AND
NANOTECHNOLOGY (2020)

KeyWords Puls

用關鍵字滾出更多文獻

參考文獻

被引用次數

相關記錄

KeyWords Puls

30-180文獻

Web of Science

檢索 回到檢索結果

工具 檢索與追蹤 檢索歷史 勾選的清單

結果數：16,869
(從 Web of Science 核心合輯)

排序依據：日期 被引用次數 使用情況計數 相關性 更多

1 / 1,687

您已檢索：主題：("CATHODE MATERIALS")

時間範圍：所有年份。索引：BKCI-S, ESCI, SSCI, BKCI-SSH, SCI-EXPANDED, IC, A&HCI, CPCI-SSH, CPCI-S, CCR-EXPANDED。

...更少

建立追蹤

限縮結果

在結果內檢索...

篩選結果：

- 在領域中被高度引用 (372)
- 領域中的熱門論文 (10)
- 開放取用 (1,669)
- 關聯的資料 (46)

限縮

出版年份

2020 (7)

選取頁面 匯出... 新增至勾選的清單

分析結果

[引用文獻報告] 功能無法使用。 [?]

1. Improving Cycling Stability and Rate Capability of High-Voltage LiCoO₂ Through an Integration of Lattice Doping and Nanoscale Coating

作者：Cui, Zhenze; Wang, Zhenya; Zhai, Yanwu; 等。

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷冊: 20 期: 4 頁數: 2473-2481 出版: APR 2020

S-F-X 檢視摘要

被引用次數: 0
(從 Web of Science 核心合輯)

使用情況計數

2. Electrochemical Behaviors of Sulfurized-Polyacrylonitrile with Synthesized Polyacrylonitrile Precursors Based on the Radical Polymerization Through Monomer Acrylonitrile

作者：Peng, Si-Huang; Yao, Shan-Shan; Xue, Si-Kang; 等。

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷冊: 20 期: 3 頁數: 1578-1588 出版: MAR 2020

S-F-X 檢視摘要

被引用次數: 0
(從 Web of Science 核心合輯)

使用情況計數

3. Facile Synthesis of Tremella-Like Li₃V₂(PO₄)₃/C Composite Cathode Materials Based on Oroxyllum for Use in Lithium-Ion Batteries

作者：Liu, Zhen; Zhou, Wei; Zeng, Guilin; 等。

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷冊: 20 期: 3 頁數: 1962-1967 出版: MAR 2020

S-F-X 檢視摘要

被引用次數: 0
(從 Web of Science 核心合輯)

使用情況計數

4. Porous cube-like Mn₃O₄@C as an advanced cathode for low-cost neutral zinc-ion battery

作者：Chen, Hui; Zhou, Wanhai; Zhu, Ding; 等。

JOURNAL OF ALLOYS AND COMPOUNDS 卷冊: 813 文獻號碼: UNSP 151812 出版: JAN 15 2020

S-F-X 檢視摘要

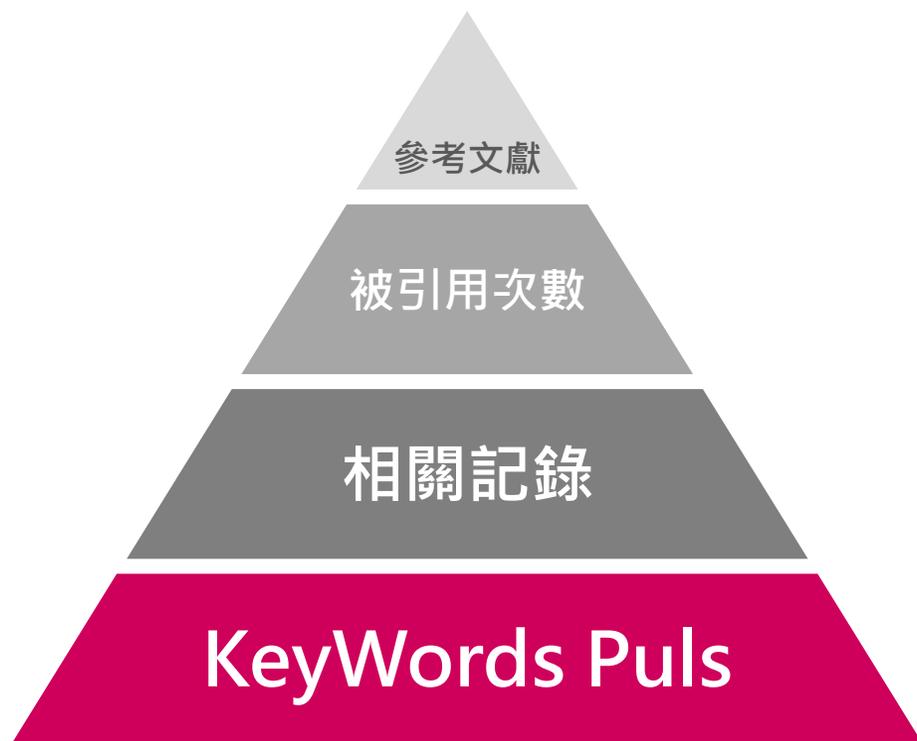
被引用次數: 0
(從 Web of Science 核心合輯)

使用情況計數

文獻收集心法

透過擴展或是限縮簡單在WOS找到主題核心論文

- 從文獻出發



- 從主題出發

關鍵字~10,000



30~180

分析結果

快速瞭解主題背景

關鍵字~10,000

分析結果

排序依據

限縮結果

建立追蹤



The screenshot shows the Web of Science search interface. At the top, the "Web of Science" logo is on the left, and the "Clarivate Analytics" logo is on the right. Below the logo is a navigation bar with links for "工具", "檢索與追蹤", "檢索歷史", and "勾選的清單". The main search area features a dropdown menu for "選取資料庫" set to "Web of Science 核心合輯". To the right is a search bar with the text "Try our new Author Search^{BETA}". Below this is a row of search options: "基本檢索" (selected), "作者檢索工具^{BETA}", "參考文獻檢索", "進階檢索", and "化學結構檢索". The search input field contains "LITHIUM-ION BATTERIES" and has a "x" icon to clear it. To the right of the input is a "主題" dropdown menu. Below the input field are buttons for "檢索" and "檢索秘訣", and a link for "+新增列 | 重設". The "時間範圍" section includes a "自訂年份範圍" dropdown, and two date boxes set to "1900" and "2019" with "到" between them. A "更多設定" dropdown is also present. At the bottom left, the "Clarivate Analytics" logo is displayed.

分析結果

快速瞭解主題背景

關鍵字~10,000

分析結果

排序依據

限縮結果

建立追蹤

Web of Science

檢索

工具 ▾ 檢索與追蹤 ▾ 檢索歷史 勾選的清單

結果數：58,801
(從 Web of Science 核心合輯)

您已檢索：主題: (LITHIUM-ION BATTERIES) ...更多

建立追蹤

限縮結果

在結果內檢索...

篩選結果:

- 在領域中被高度引用 (1,550)
- 領域中的熱門論文 (47)
- 開放取用 (6,568)
- 關聯的資料 (114)

限縮

出版年份

- 2019 (6,490)
- 2018 (7,940)
- 2017 (7,573)
- 2016 (6,600)

排序依據：日期 被引用次數 ↓ 使用情況計數 相關性 更多 ▾

1 / 5,881

選取頁面 匯出... 新增至勾選的清單

分析結果
[引用文獻報告] 功能無法使用。 [?]

1. Issues and challenges facing rechargeable lithium batteries
作者: Tarascon, JM; Armand, M
NATURE 卷冊: 414 期: 6861 頁數: 359-367 出版: NOV 15 2001
被引用次數: 11,634 (從 Web of Science 核心合輯)
使用情況計數 ▾
2. Nanostructured materials for advanced energy conversion and storage devices
作者: Arico, AS; Bruce, P; Scrosati, B; 等.
NATURE MATERIALS 卷冊: 4 期: 5 頁數: 366-377 出版: MAY 2005
被引用次數: 6,403 (從 Web of Science 核心合輯)
使用情況計數 ▾
3. Nano-sized transition-metaloxides as negative-electrode materials for lithium-ion batteries
作者: Poizot, P; Laruelle, S; Grugeon, S; 等.
NATURE 卷冊: 407 期: 6803 頁數: 496-499 出版: SEP 28 2000
被引用次數: 6,066 (從 Web of Science 核心合輯)
使用情況計數 ▾
4. Electrical Energy Storage for the Grid: A Battery of Choices
作者: Dunn, Bruce; Kamath, Haresh; Tarascon, Jean-Marie
SCIENCE 卷冊: 334 期: 6058 頁數: 928-935 出版: NOV 18 2011
被引用次數: 5,307 (從 Web of Science 核心合輯)
被高度引用的論文
使用情況計數 ▾

分析結果

快速瞭解主題背景

關鍵字~10,000

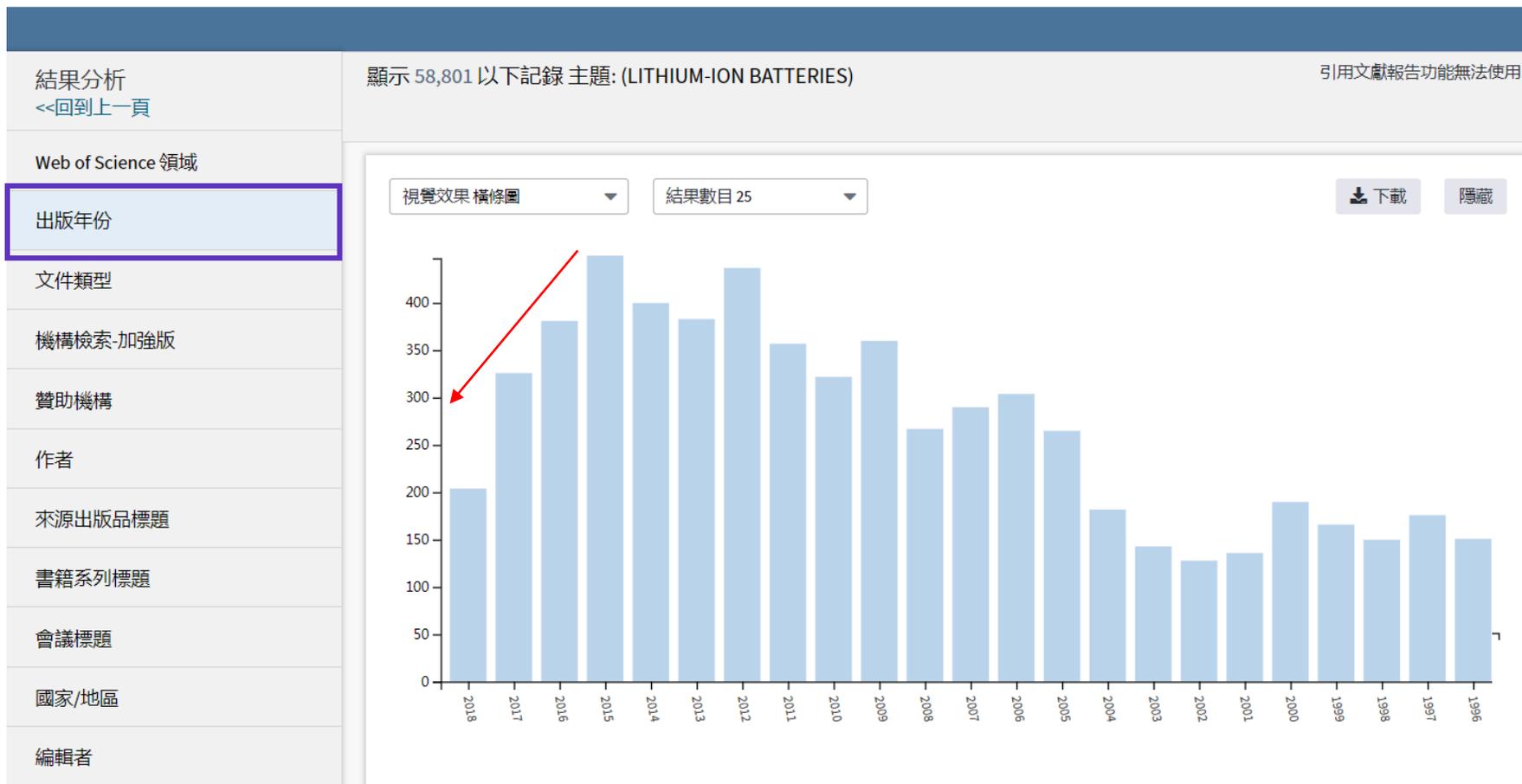
分析結果

排序依據

限縮結果

建立追蹤

Web of Science



運用「出版年份」分析鋰電池主題研究的文獻的發表是否還是逐年攀升，瞭解該主題仍是熱門的研究方向

分析結果

快速瞭解主題背景

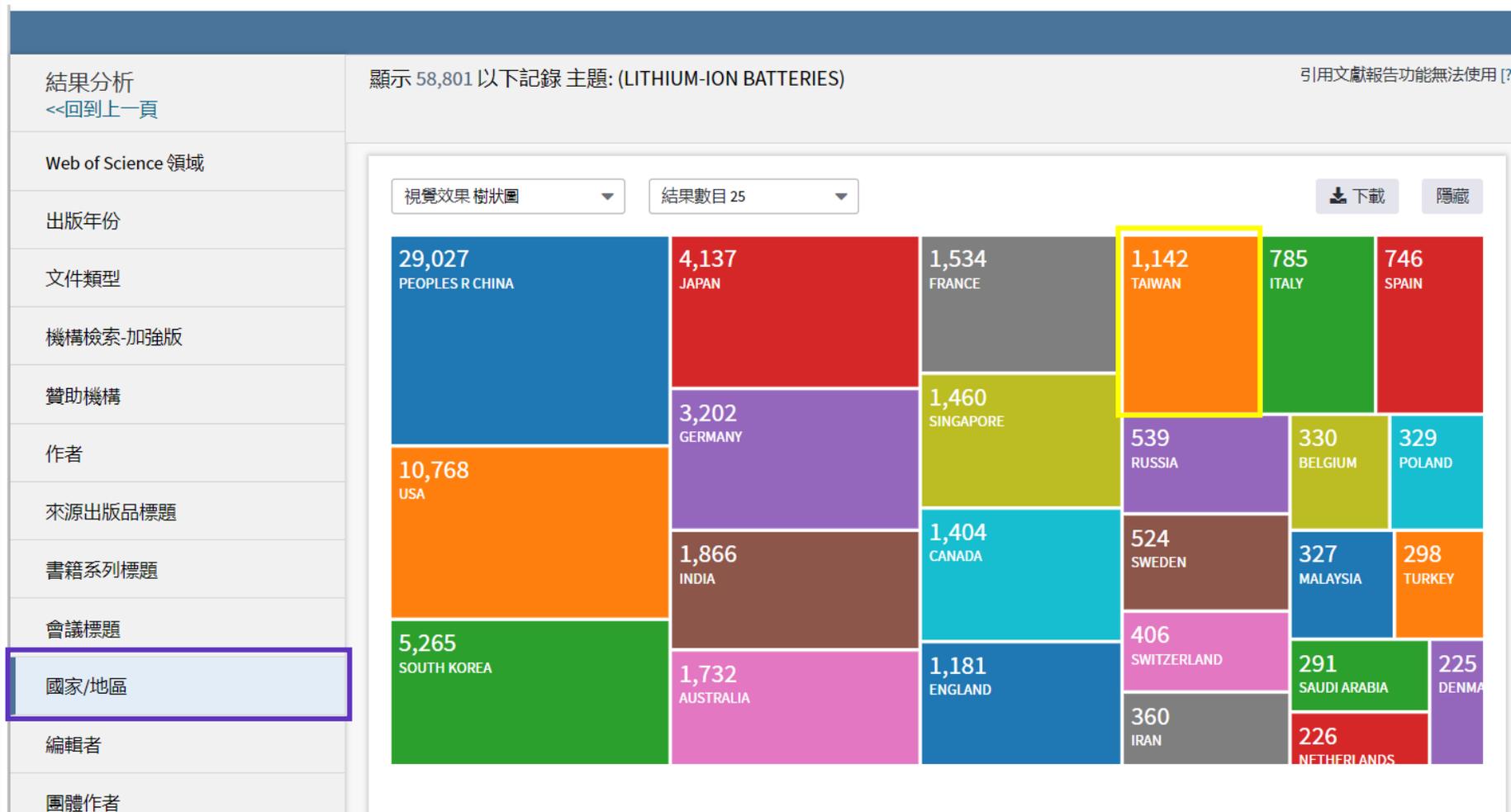
關鍵字~10,000

分析結果

排序依據

限縮結果

建立追蹤



「國家/地區」可發現：

- 發現領域高產出的國家/地區
- 進行國家與地區間的研究對比

排序依據

掌握最新研究趨勢與高影響力論文

關鍵字~10,000

分析結果

排序依據

限縮結果

建立追蹤

Web of Science

檢索

工具 ▾ 檢索與追蹤 ▾ 檢索歷史 勾選的清單

結果數：10,768
(從 Web of Science 核心合輯)

您已檢索：主題: (LITHIUM-ION BATTERIES) ...更多

建立追蹤

限縮結果

在結果內檢索...

篩選結果:

- 在領域中被高度引用 (476)
- 領域中的熱門論文 (13)
- 開放取用 (1,403)
- 關聯的資料 (26)

限縮

出版年份

- 2019 (973)
- 2018 (1,310)
- 2017 (1,326)
- 2016 (1,225)
- 2015 (1,079)

更多選項/值...

排序依據：日期 被引用次數 **↓** 使用情況計數 相關性 更多 ▾

1 / 1,077

選取頁面

分析結果
「引用文獻報告」功能無法使用。 [?]

1. Nanostructured materials for advanced energy conversion and storage devices
作者: Arico, AS; Bruce, P; Scrosati, B; 等.
NATURE MATERIALS 卷冊: 4 期: 5 頁數: 366-377 出版: MAY 2005
被引用次數: 6,403 (從 Web of Science 核心合輯)
使用情況計數 ▾
2. Electrical Energy Storage for the Grid: A Battery of Choices
作者: Dunn, Bruce; Kamath, Haresh; Tarascon, Jean-Marie
SCIENCE 卷冊: 334 期: 6058 頁數: 928-935 出版: NOV 18 2011
被引用次數: 5,307 (從 Web of Science 核心合輯)
被高度引用的論文
使用情況計數 ▾
3. Challenges for Rechargeable Li Batteries
作者: Goodenough, John B.; Kim, Youngsik
CHEMISTRY OF MATERIALS 卷冊: 22 期: 3 頁數: 587-603 出版: FEB 9 2010
被引用次數: 4,824 (從 Web of Science 核心合輯)
被高度引用的論文
使用情況計數 ▾
4. Sodium-Ion Batteries
作者: Slater, Michael D.; Kim, Donghan; Lee, Eungje; 等.
ADVANCED FUNCTIONAL MATERIALS 卷冊: 23 期: 8 特刊: SI 頁數: 947-958 出版: FEB 25 2013
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- Drug Designing**: Advances in Imaging, Drug Discovery in the 4th Dimension, From Molecule to Man; right dose, first time, Innovations in Assay Design, Development and Screening, Innovations in Chemistry, Target Identification and Validation, Prodrug design, Insilco Drug Discovery, Criteria of Target Selection, Computer-Aided Drug Design (CADD), Advancements of *In vitro* and *In vivo* studies and Drug Discovery's Challenges, Fragment based drug discovery
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The Effect of Electrode-Electrolyte Interface on the Electrochemical Impedance Spectra for Positive Electrode in Li-Ion Battery

作者: Tatara, R (Tatara, Ryoichi)^[1]; Karayaylali, P (Karayaylali, Pinar)^[2]; Yu, Y (Yu, Yang)^[3]; Zhang, YR (Zhang, Yirui)^[2]; Giordano, L (Giordano, Livia)^[1,2,4]; Maglia, F (Maglia, Filippo)^[5]; Jung, R (Jung, Roland)^[5]; Schmidt, JP (Schmidt, Jan Philipp)^[5]; Lund, I (Lund, Isaac)^[6]; Shao-Horn, Y (Shao-Horn, Yang)^[1,2,3]

檢視 Web of Science ResearcherID 和 ORCID

JOURNAL OF THE ELECTROCHEMICAL SOCIETY
卷冊: 166 期: 3 頁數: A5090-A5098
DOI: 10.1149/2.0121903jes
出版: NOV 27 2018
文件類型: Article; Proceedings Paper
檢視期刊影響力

研討會

研討會: 19th International Meeting on Lithium Batteries (IMLB)
位置: Kyoto, JAPAN
日期: JUN 17-22, 2018

摘要

Understanding the effect of electrode-electrolyte interface on the electrochemical impedance spectra (EIS) in Li-ion batteries, ambiguities exist in the physical origin of EIS responses for composite electrodes using a three-electrode cell with a mesh-structured cell configuration, and composite electrodes with a function of voltage. The high-frequency semicircle was assigned to the impedance associated with the charge transfer impedance associated with the growth of EEI layers on the charged LixCoO(2) surface. Exposure to higher charging voltages led to a significant change for the high-frequency component but greater resistance and greater activity. The Author(s) 2018. Published by ECS.

關鍵字

KeyWords Plus: LITHIUM-ION; CATHODE MATERIAL; NATURAL GRAPHITE; OXIDE ELECTRODE; AC-IMPEDANCE; LICOO2; INTERCALATION; SURFACE; PERFORMANCE; LIMN2O4

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最近被以下文獻引用:

Ouyang, Dongxu; Weng, Jingwen; Chen, Mingyi; 等.
Impacts of Current Rates on the Degradation Behaviors of Lithium-Ion Batteries under Over-Discharge Conditions.
JOURNAL OF THE ELECTROCHEMICAL SOCIETY (2019)
Lee, Jiho; Lee, Jaehan; Ahn, Jaewuk; 等.
Enhancement in Desalination Performance of Battery Electrodes via Improved Mass Transport Using a Multichannel Flow System.
ACS APPLIED MATERIALS & INTERFACES (2019)

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1. Insights from incorporating reference electrodes in symmetric lithium-ion cells with layered oxide or graphite electrodes

作者: Kalaga, Kaushik; Rodrigues, Marco-Tulio F.; Barenó, Javier; 等.
JOURNAL OF POWER SOURCES 卷冊: 438 文獻號碼: 227033 出版: OCT 31 2019

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2. Microrheological modeling of lithium ion battery anode slurry

作者: Ma, Fuduo; Fu, Yanbao; Battaglia, Vince; 等.
JOURNAL OF POWER SOURCES 卷冊: 438 文獻號碼: 226994 出版: OCT 31 2019

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3. Effects of polymeric binders on the cracking behavior of silicon composite electrodes during electrochemical cycling

作者: Wang, Yikai; Dang, Dingying; Li, Dawei; 等.
JOURNAL OF POWER SOURCES 卷冊: 438 文獻號碼: 226938 出版: OCT 31 2019

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作者: Xu, Meng; Wang, Rui; Zhao, Peng; 等.
JOURNAL OF POWER SOURCES 卷冊: 438 文獻號碼: 227015 出版: OCT 31 2019

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Issues and challenges facing rechargeable lithium batteries

J.-M. Tarascon & M. Armand

Nature 414, 359–367(2001) | [Cite this article](#)

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Abstract

Technological improvements in rechargeable solid-state batteries are being driven by an ever-increasing demand for portable electronic devices. Lithium-ion batteries are the systems of choice, offering high energy density, flexible and lightweight design, and longer lifespan than comparable battery technologies. We present a brief historical review of the development of lithium-based rechargeable batteries, highlight ongoing research strategies, and discuss the challenges that remain regarding the synthesis, characterization, electrochemical performance and safety of these systems.

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The Effect of Electrode-Electrolyte Interface on the Electrochemical Impedance Spectra of Positive Electrode in Li-Ion Battery

作者: Tataru, R (Tataru, Ryoichi)^[1,1]; Karayaylali, P (Karayaylali, Pinar)^[2,1]; Yu, Y (Yu, Yang)^[3,1]; Zhang, YR (Zhang, Yirui)^[4,1]; Maglia, F (Maglia, Filippo)^[5,1]; Jung, R (Jung, Roland)^[5,1]; Schmidt, JP (Schmidt, Jan Philipp)^[5,1]; Lund, I (Lund, Isaac)^[6,1]

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JOURNAL OF THE ELECTROCHEMICAL SOCIETY

卷冊: 166 期: 3 頁數: A5090-A5098

DOI: 10.1149/2.0121903jes

出版: NOV 27 2018

文件類型: Article; Proceedings Paper

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R. Tataru et al., *Journal of The Electrochemical Society* (2019) 🔍

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The Effect of Electrode-Electrolyte Interface on the Electrochemical Impedance Spectra for Positive Electrode in Li-Ion Battery

Ryoichi Tataru,^{1,*} Pinar Karayaylali,² Yang Yu,³ Yirui Zhang,² Livia Giordano,^{1,2,4} Filippo Maglia,⁵ Roland Jung,⁵ Jan Philipp Schmidt,⁵ Isaac Lund,⁶ and Yang Shao-Horn^{1,2,3,*,†}

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⁵BMW Group, 80788 München, Germany

⁶BMW Group Technology Office USA, Mountain View, California 94043, USA

Understanding the effect of electrode-electrolyte interface (EEI) on the kinetics of electrode reaction is critical to design high-energy Li-ion batteries. While electrochemical impedance spectroscopy (EIS) is used widely to examine the kinetics of electrode reaction in Li-ion batteries, ambiguities exist in the physical origin of EIS responses for composite electrodes. In this study, we performed EIS measurement by using a three-electrode cell with a mesh-reference electrode, to avoid the effect of counter electrode impedance and artefactual responses due to asymmetric cell configuration, and composite or oxide-only working electrodes. Here we discuss the detailed assignment of impedance spectra for LiCoO₂ as a function of voltage. The high-frequency semicircle was assigned to the impedance associated with ion adsorption and desorption at the electrified interface while the low-frequency semicircle was related to the charge transfer impedance associated with desolvation/solvation of lithium ions, and lithium ion intercalation/de-intercalation into/from LiCoO₂. Exposure to higher charging voltages and greater hold time at high voltages led to no significant change for the high-frequency component but greater resistance and greater activation energy for the low-frequency circle. The greater charge transfer impedance was attributed to the growth of EEI layers on the charged Li₂CoO₂ surface associated with electrolyte oxidation promoted by ethylene carbonate dehydrogenation.

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Manuscript submitted October 1, 2018; revised manuscript received November 7, 2018. Published November 27, 2018. *This paper*

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Understanding the effect of electrode-electrolyte interface (EEI) on the kinetics of electrode reaction is the key to design high-performance battery systems for electrical vehicles and other applications. Electrochemical reactions proceed at the interface of electrode and electrolyte, yet there is still limited understanding

of the electrochemical reaction. The electrochemical reaction of ethylene carbonate (EC) produces acidic OH group on the oxide surface, which can further react with electrolyte salt such as LiPF₆. Recent XPS studies³ on carbon-free, binder-free Li₂CoO₂ show a marked growth of oxygenated and carbonated species

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Ouyang, Dongxu; Weng, Jingwen; Chen, Mingyi; 等.

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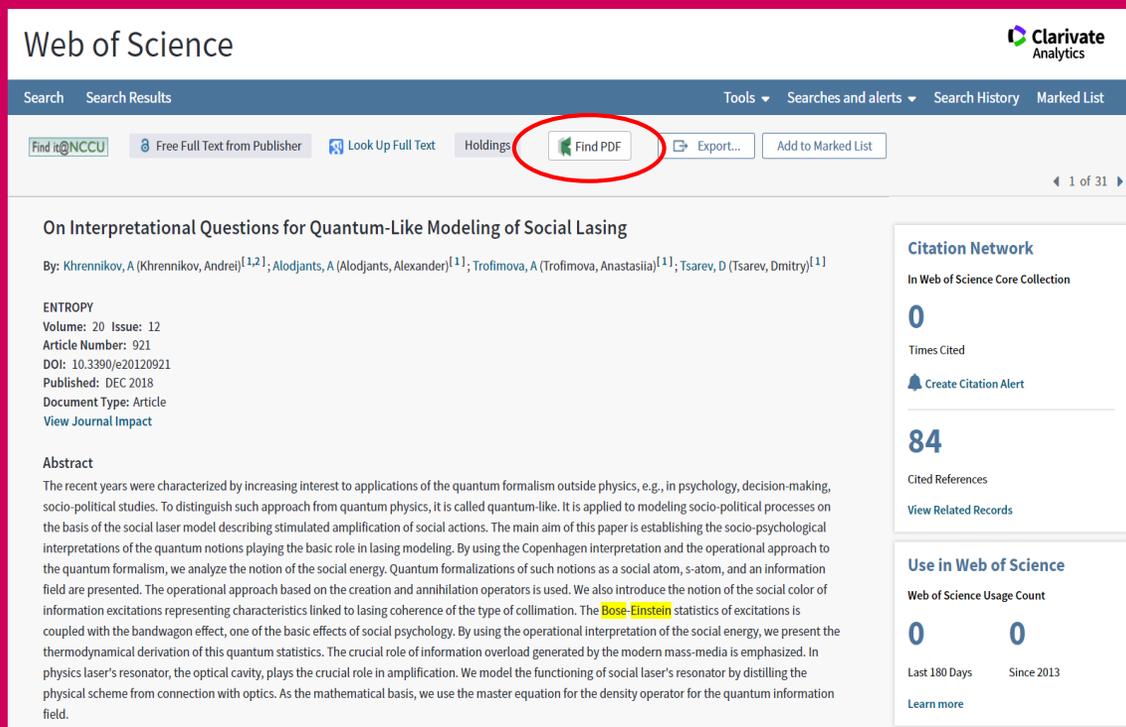
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On Interpretational Questions for Quantum-Like Modeling of Social Lasing

By: Khrennikov, A (Khrennikov, Andrei)^[1,2]; Alodjants, A (Alodjants, Alexander)^[1]; Trofimova, A (Trofimova, Anastasiia)^[1]; Tsarev, D (Tsarev, Dmitry)^[1]

ENTROPY
Volume: 20 Issue: 12
Article Number: 921
DOI: 10.3390/e20120921
Published: DEC 2018
Document Type: Article
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Abstract
The recent years were characterized by increasing interest to applications of the quantum formalism outside physics, e.g., in psychology, decision-making, socio-political studies. To distinguish such approach from quantum physics, it is called quantum-like. It is applied to modeling socio-political processes on the basis of the social laser model describing stimulated amplification of social actions. The main aim of this paper is establishing the socio-psychological interpretations of the quantum notions playing the basic role in lasing modeling. By using the Copenhagen interpretation and the operational approach to the quantum formalism, we analyze the notion of the social energy. Quantum formalizations of such notions as a social atom, s-atom, and an information field are presented. The operational approach based on the creation and annihilation operators is used. We also introduce the notion of the social color of information excitations representing characteristics linked to lasing coherence of the type of collimation. The **Bose-Einstein** statistics of excitations is coupled with the bandwagon effect, one of the basic effects of social psychology. By using the operational interpretation of the social energy, we present the thermodynamical derivation of this quantum statistics. The crucial role of information overload generated by the modern mass-media is emphasized. In physics laser's resonator, the optical cavity, plays the crucial role in amplification. We model the functioning of social laser's resonator by distilling the physical scheme from connection with optics. As the mathematical basis, we use the master equation for the density operator for the quantum information field.

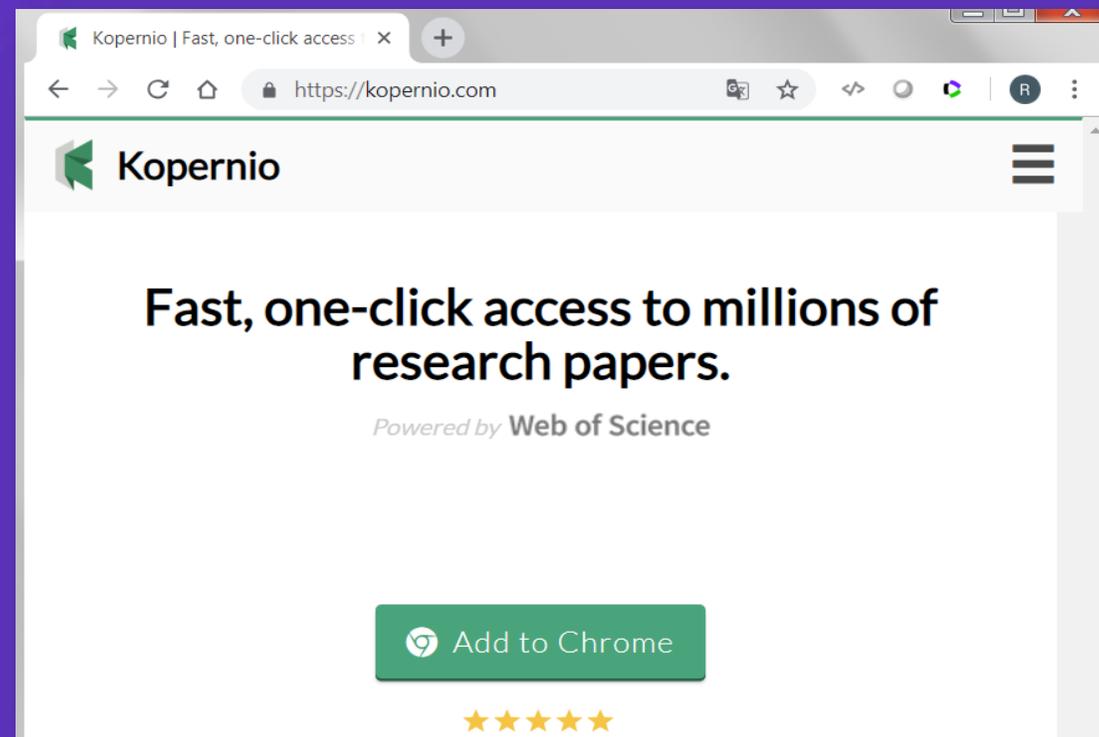
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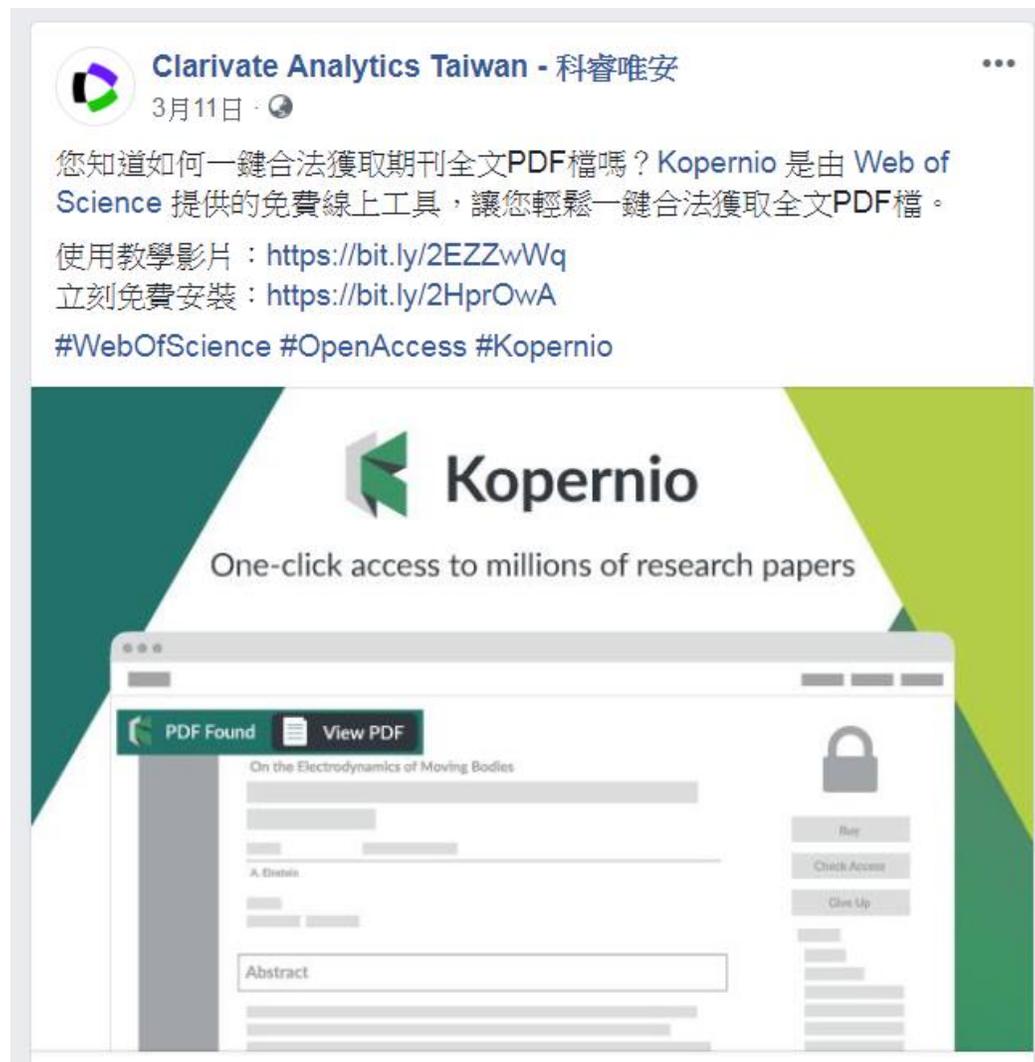
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1. Issues and challenges facing rechargeable lithium batteries

作者: Tarascon, JM; Armand, M
NATURE 卷冊: 414 期: 6861 頁數: 359-367 出版: NOV 15 2001

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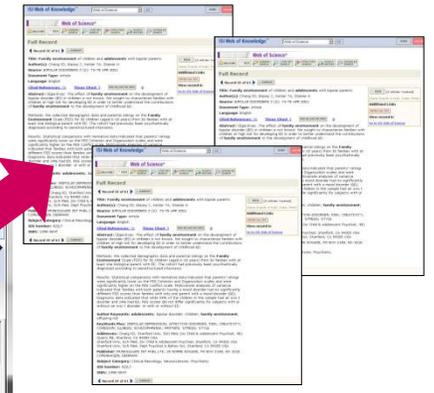
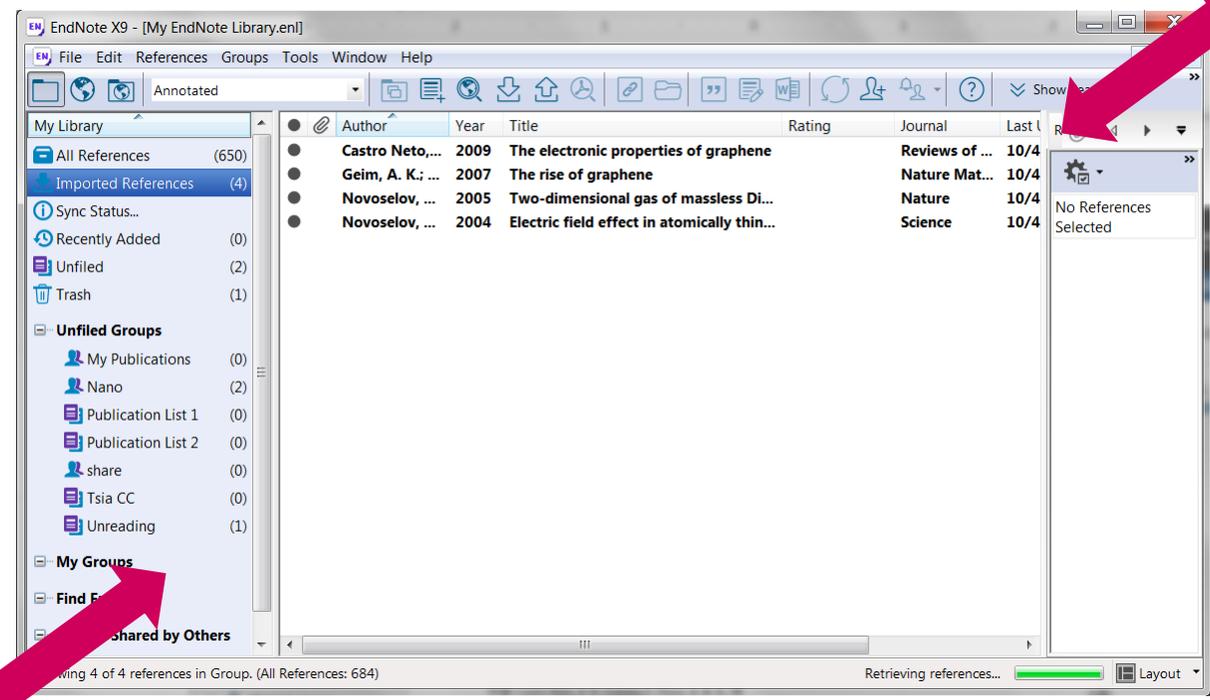


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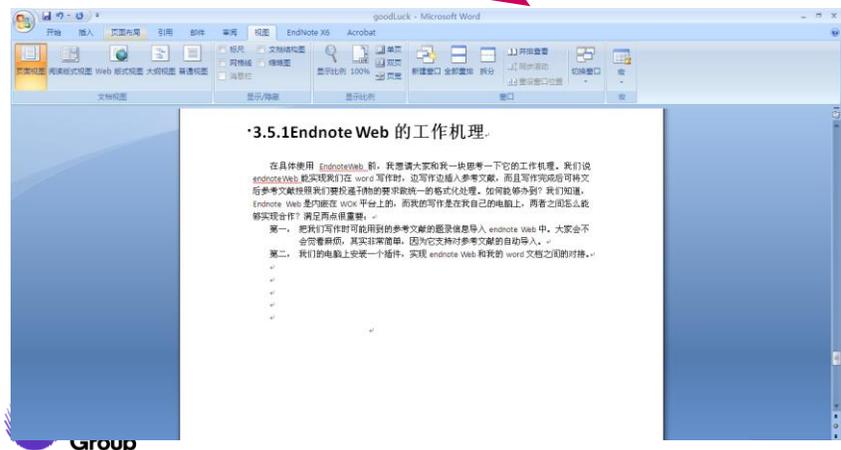


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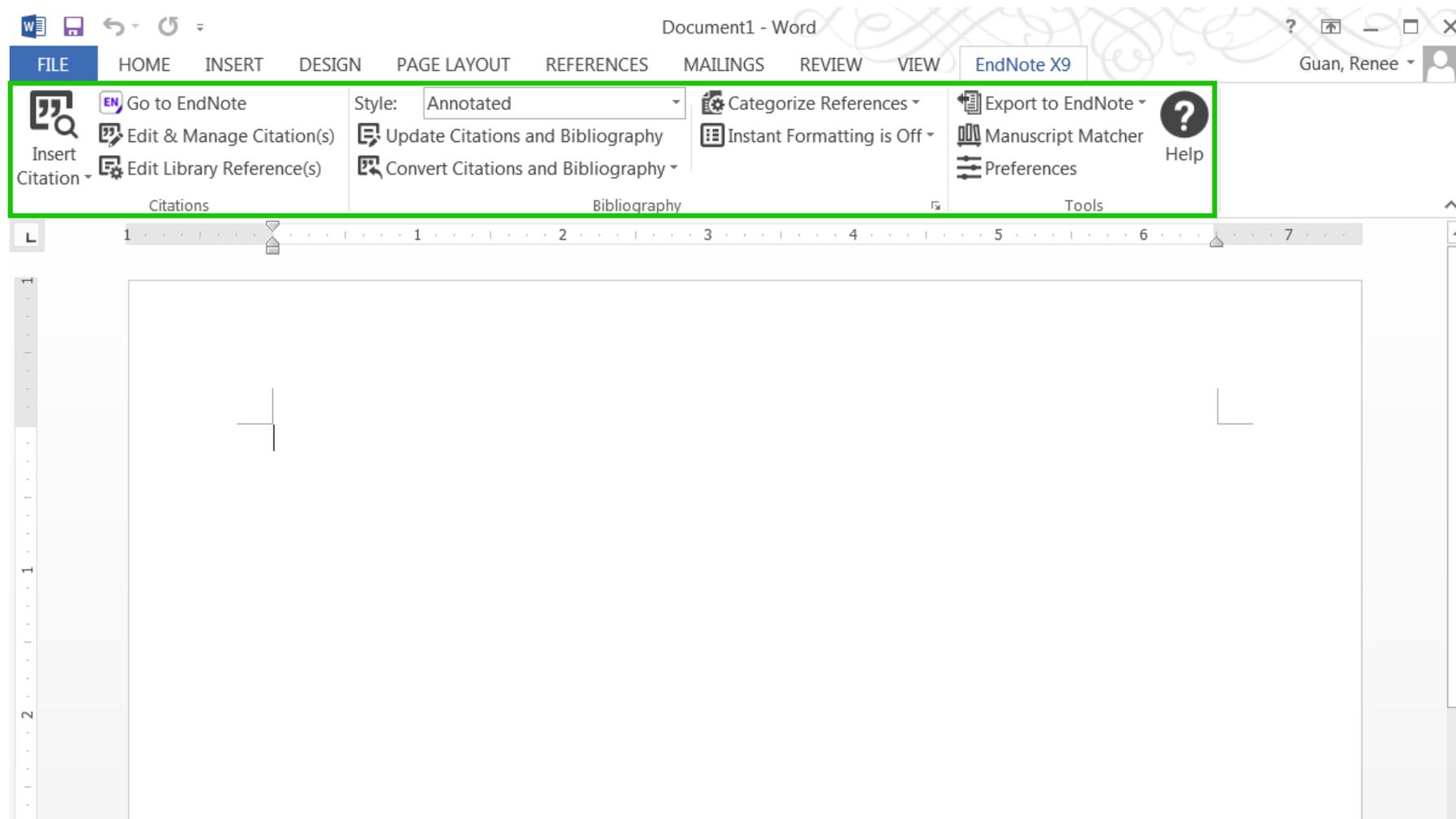
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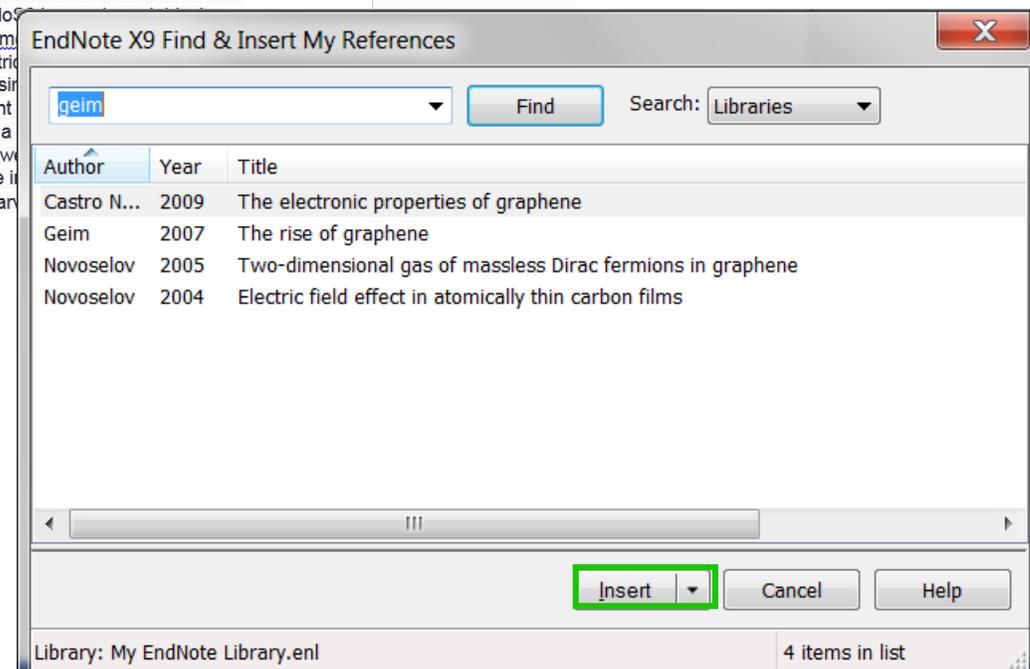
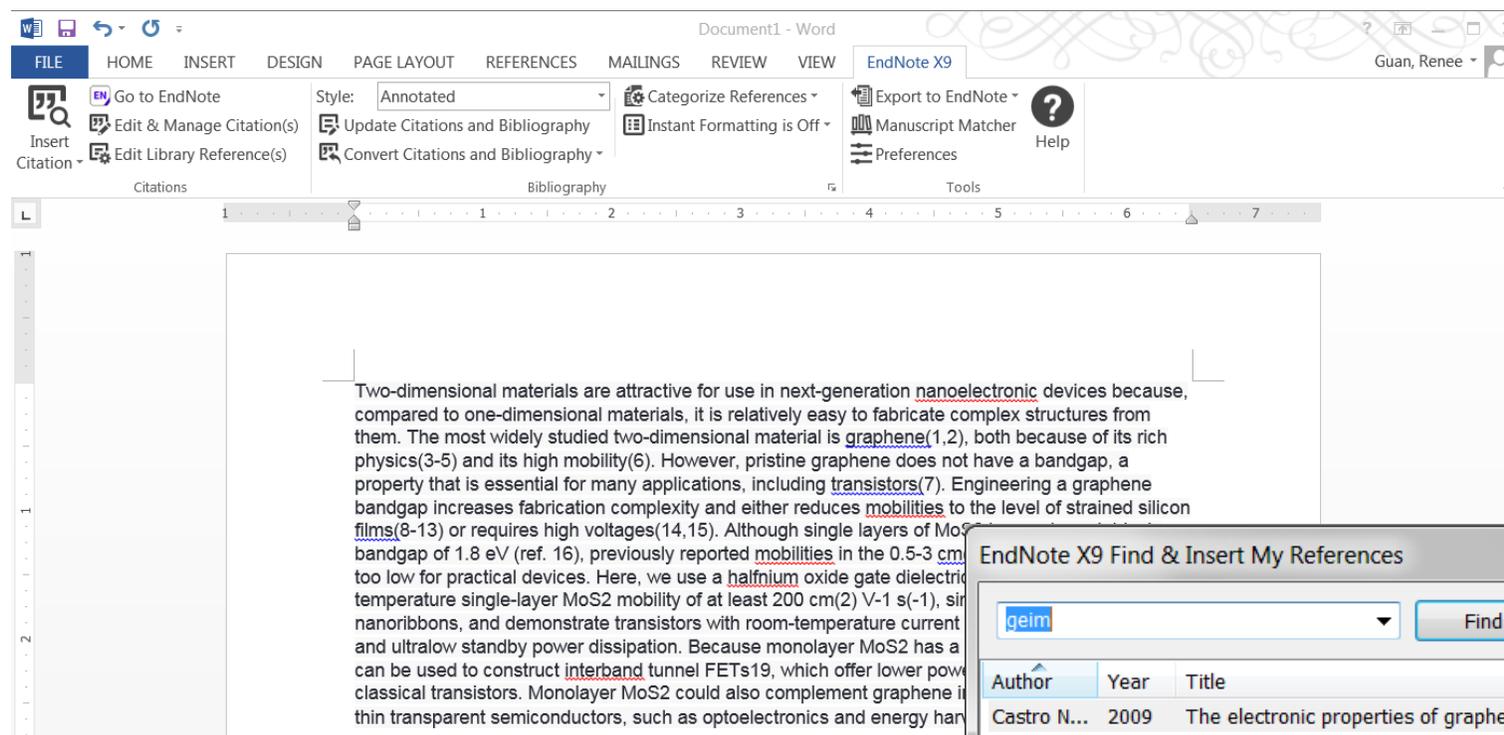
論文寫作



實現Word與Endnote 之間的連結



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solution in curve-based subdivision surface design.

1. Introduction

Subdivision surfaces are widely used in recent years due to their multiresolution property and their simplicity, uniformity and powerful ability in representing complex surfaces [28, 34]. They were initially proposed as a generalization of B-spline surfaces to model smooth surfaces of arbitrary topology [4, 5]. More and more subdivision schemes with various refining operators were subsequently designed for control meshes of different connectivity [6, 10, 11, 15, 30]. Using these schemes, people can produce various subdivision surfaces with different properties according to their design requirements and application settings [1].

On the other hand, people usually want to model smooth surfaces under some constraints, such as points, tangents, normals, curves, etc. Surface design under constraints of given curves thus becomes an important topic in the fields of geometric design and computer graphics. However, since subdivision surfaces are defined as limits of recursively-subdivided control meshes, they usually have no ready global parametric expressions. It is thus difficult to handle curves surface or impose a subdivision given curves compared modelling.

Surface design from a is a classic topic in geome been widely studied in spl

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[1] L. Sheng, R. Y. Gu, D. Y. Xing, Z. D. Wang, and J. X. Zhu, "Giant magnetoresistance in magnetic granular systems," *Journal of Applied Physics*, vol. 79, pp. 6255-6257, Apr 1996.

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本課程將完整介紹EndNote的文獻蒐集、管理與應用功能，搭配實務操作教學，適合Mac及Windows作業系統。快來學習超好用的EndNote管理文獻軟體，點滿學術專業技能吧！

時間：108/12/9 (一) 13:20-16:20

地點：綜合教學館 202 教室

講者：洪翠緝編審（圖書館學科服務組）

報名連結：

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The screenshot shows the '活動報名系統' (Activity Registration System) interface. At the top, there is the National Taiwan University logo and name. Below the logo, there are navigation tabs: '首頁', '活動場次總表', '過期活動總表', and '停權資訊與常見問題'. The '活動場次總表' tab is selected. Below the tabs, there is a breadcrumb trail: ':::首頁 > 活動總表 > 場次總表 > 場次資訊'. A message states: '※您無法報名的原因有：尚未登入'. The main content area is titled '場次資訊' and lists details for an activity:

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時間：2020/2/11(二) 14:30-15:30
- 授課人**: 洪翠緝
- 活動地點**: 總圖4樓多媒體服務中心418大團體室
- 場次時間**: 2020-02-11 14:30:00 ~ 15:30:00
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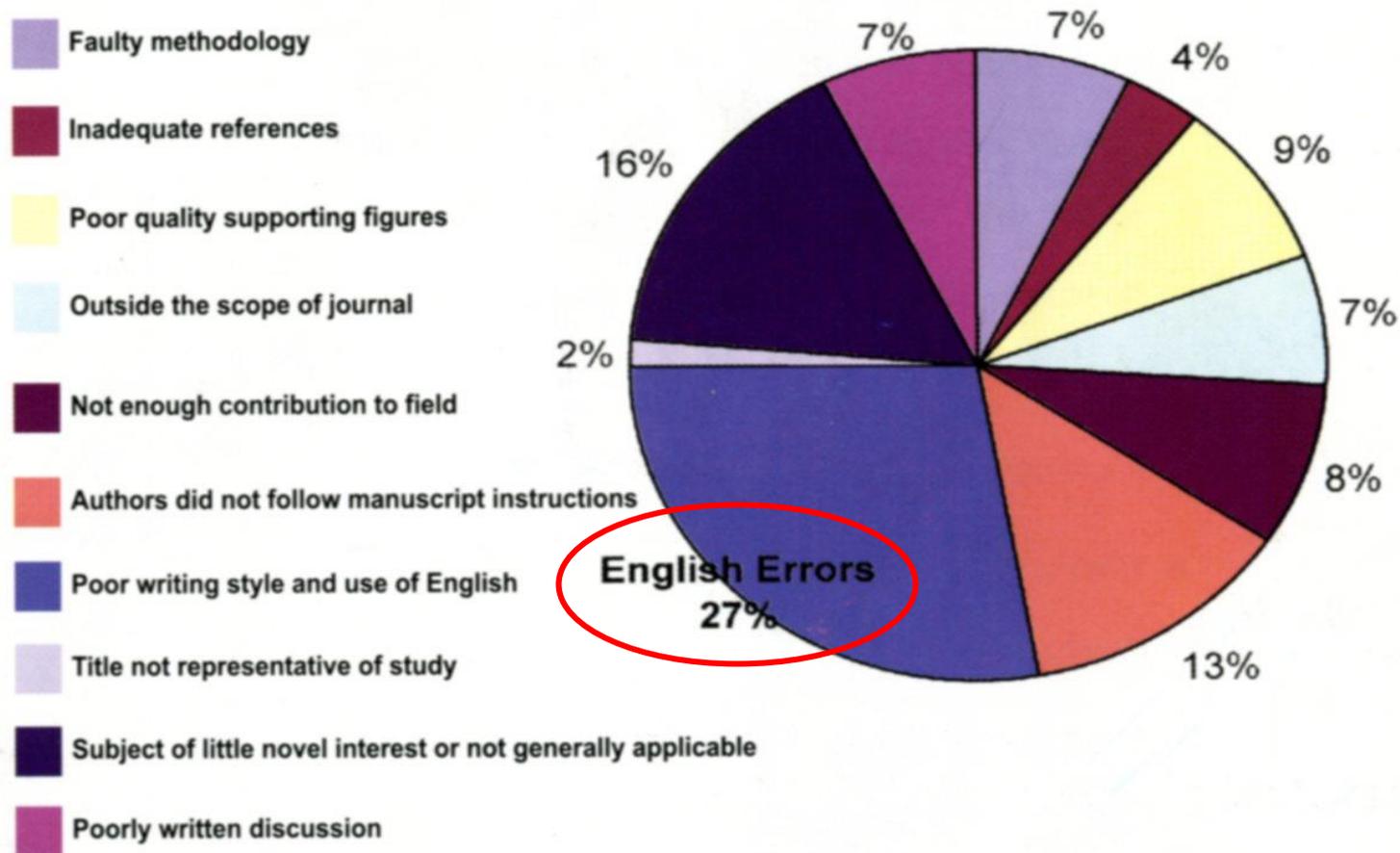
• 碩士畢業論文 發表於SCI期刊之相關規定

研究生修畢碩士課程所規定之必、選修學分數，且通過研究計畫考試後，將所寫論文整理後投稿至SCI期刊並取得投稿證明，經指導教授同意後得提出論文口試申請。

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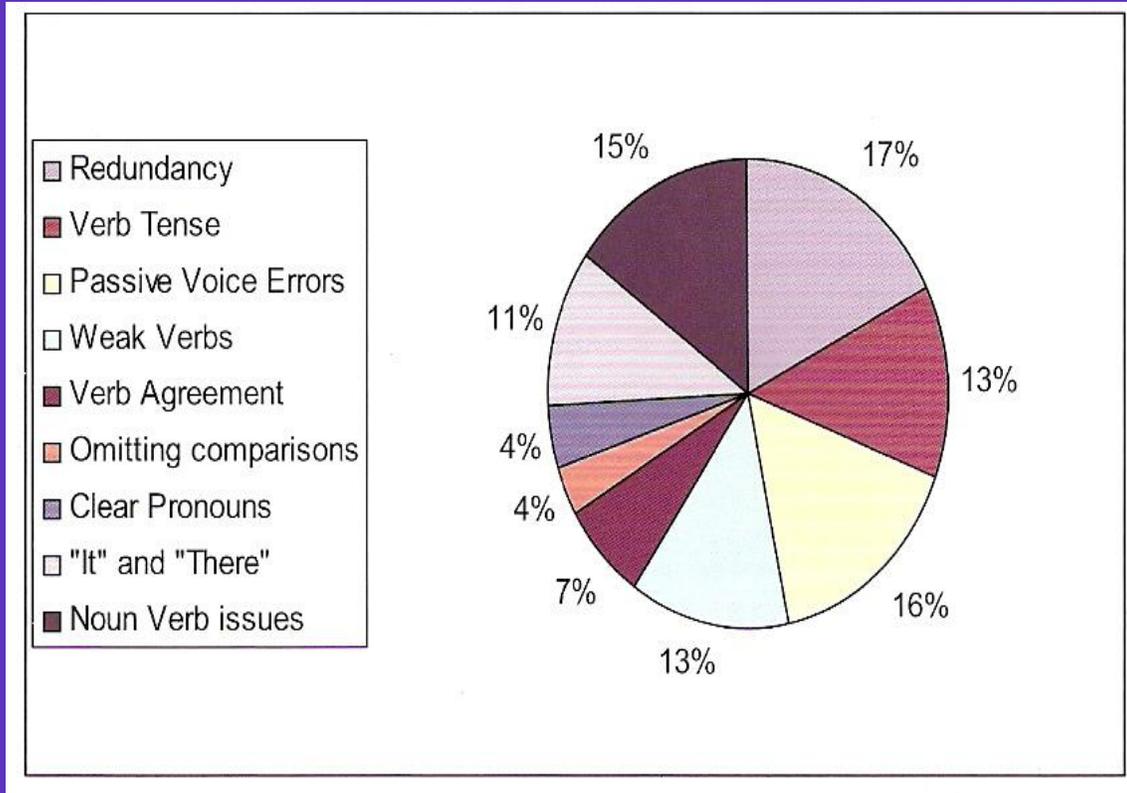
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Reasons for major rejection or revision of Taiwanese research articles

Sample taken from 175 reviewers' and editors' comments in the Electrical and Mechanical Engineering field from 2004-2007. Individual author's errors will differ.

導致“rejection”和“major revision”的錯誤



Sample taken from 64 reviewers and editor's comments in the Electrical and Mechanical Engineering field over 3 year period. (Individual author's errors will differ.)

1. 太常使用被動語態 (16%)
2. 使用過多名詞而非動詞 (15%)
3. 使用強/弱勢動詞 (13%)
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5. 不清楚的代名詞 (4%)
6. 多餘和無用的詞句 (17%)
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8. 不完整的對照比較 (4%)
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被主編接受投稿首要條件是要遵照格式



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- 在2004年投向Nature的中國文章有55%，2003年更是高達62%，未經編委審查，在**期刊初審階段就退稿很大一部分是格式問題**，特別是參考文獻格式
- 即使是最高水準的期刊，其中也有**30%的文章有參考文獻的錯誤**，這大大降低了文章被引用次數的統計

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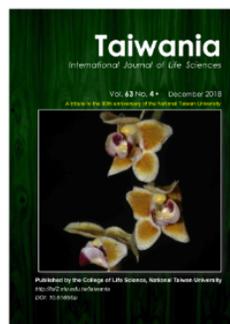
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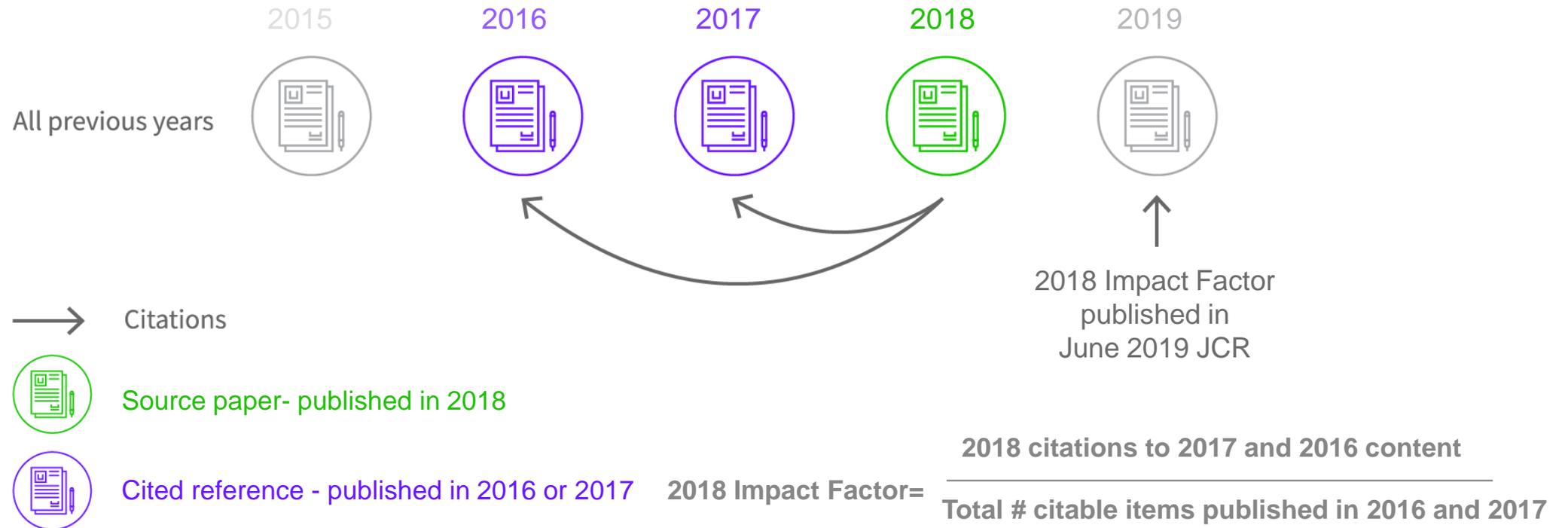


AGRICULTURE JOURNAL: INDEXING

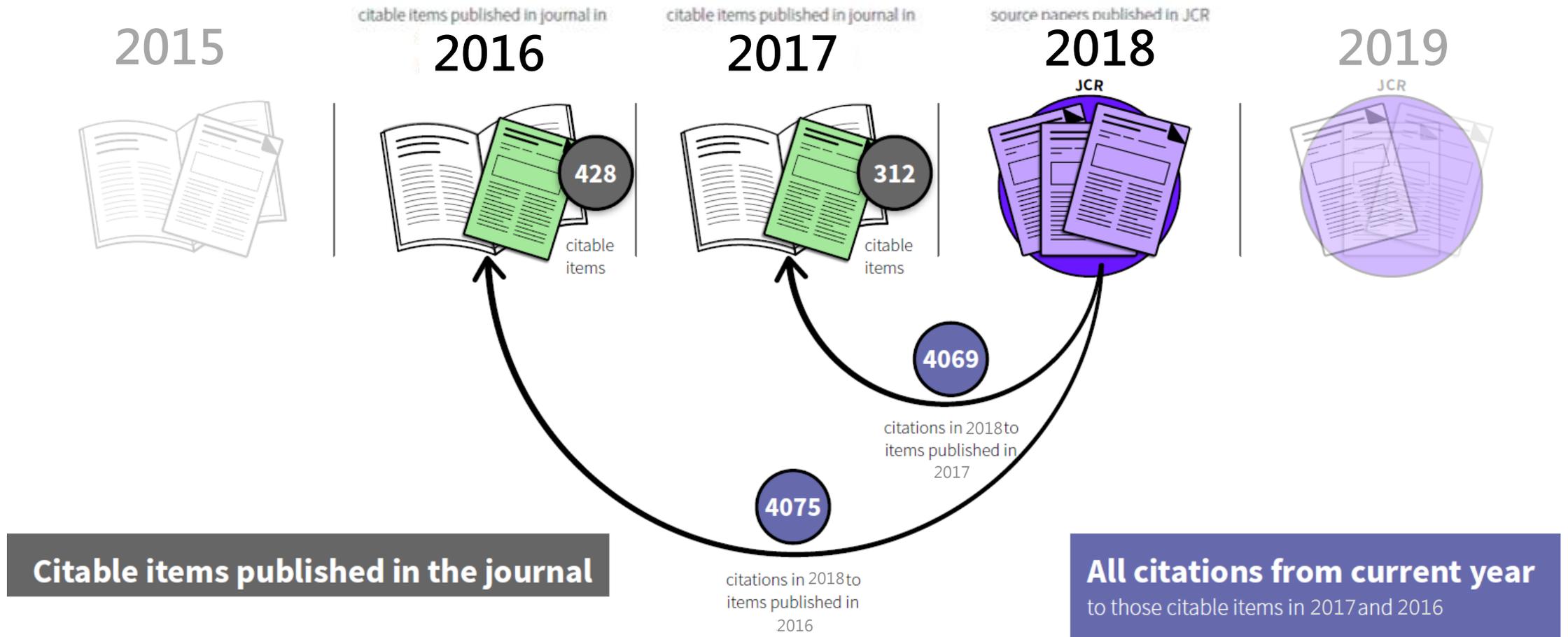
<https://ijoeear.com/information-to-authors>

您知道什麼是Impact Factor?

影響因子(Impact Factor) 的計算方式



影響因子(Impact Factor) 的計算方式



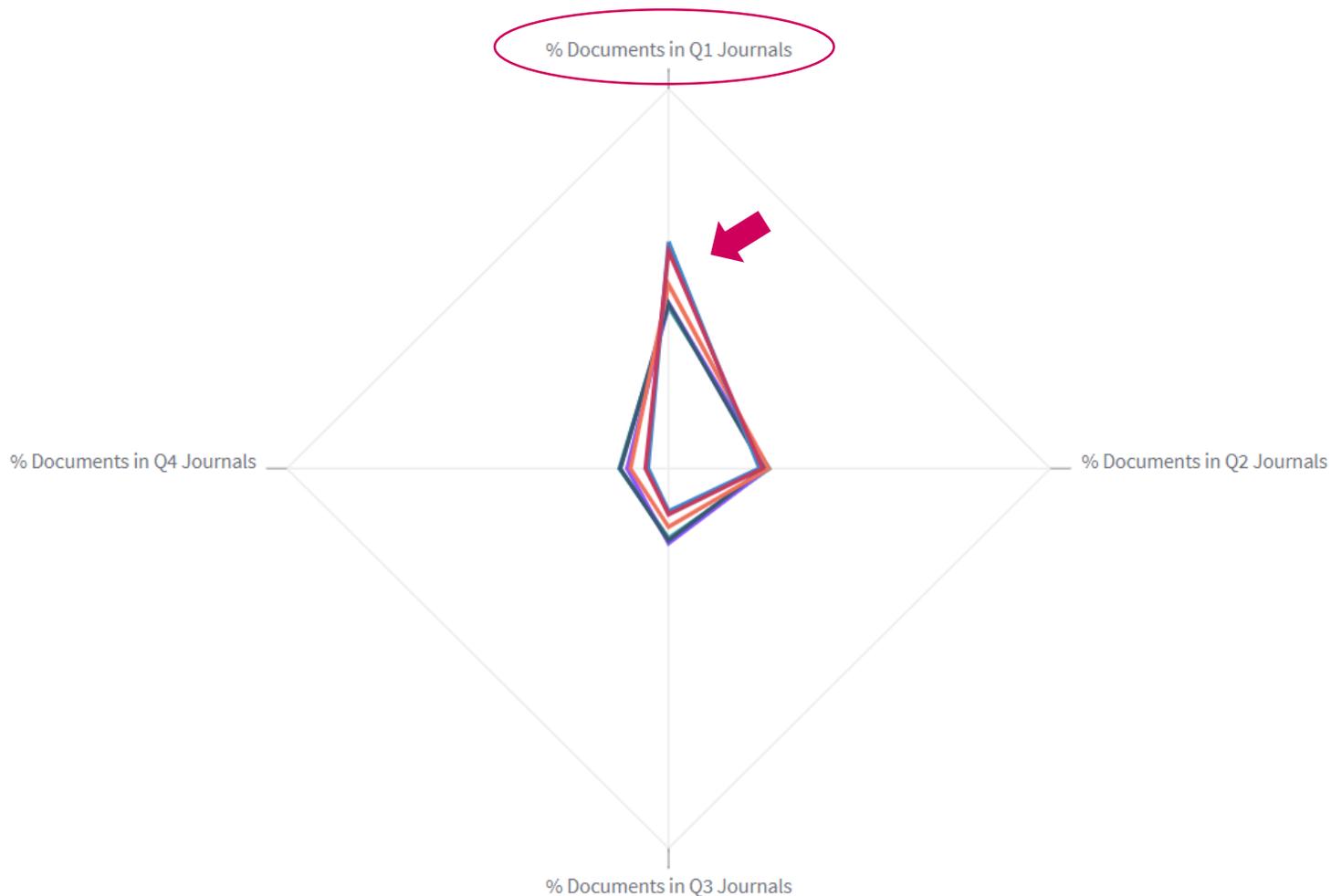
影響因子(Impact Factor) 的計算方式



Journal impact factor
citations (numerator) over citable items (denominator)

Journal Impact Factor calculation

$$\frac{4069 + 4075}{312 + 428} = 11.857$$



● CHINA MAINLAND ● JAPAN ● SOUTH KOREA ● TAIWAN ● SINGAPORE ● HONG KONG

周邊國家投稿傾向

所有國家的研究發表還是傾向發表在高影響力的期刊(Q1)為主要的選擇，對於Q3.Q4的期刊比例相對都是較低的。

- ✓ 研究能見度的提升
- ✓ 同儕之間的學術認可

從收集文獻時就可以開始觀察期刊

InCites Journal Citation Reports 

Welcome to Journal Citation Reports

Search a journal title or select an option to get started

Enter a journal name

 Browse by Journal

 Browse by Category

 Custom Reports

InCites Journal Citation Reports 

Home Category Rankings   

Go to Journal Profile 

Select Journals 

Select Categories 

Select JCR Year

2017 

Select Edition

SCIE SSCI

Journals By Rank Categories By Rank

All Journal Categories ranked by Number of Journals

Customize Indicators

	Category	Edition	#Journals	Total Cites	Median Impact Factor	Aggregate Impact Factor
1	ECONOMICS	SSCI	353	905,731	1.112	1.766
2	MATHEMATICS	SCIE	309	491,977	0.704	0.852
3	BIOCHEMISTRY & MOLECULAR BIOLOGY	SCIE	292	3,620,042	2.911	4.295
4	MATERIALS SCIENCE, MULTIDISCIPLINARY	SCIE	285	3,451,166	1.952	4.640
5	NEUROSCIENCES	SCIE	261	2,346,351	3.047	4.015
5	PHARMACOLOGY & PHARMACY	SCIE	261	1,571,408	2.481	3.148
7	ENGINEERING, ELECTRICAL & ELECTRONIC	SCIE	260	1,636,325	1.820	2.723
8	MATHEMATICS, APPLIED	SCIE	252	538,270	0.972	1.296
9	ENVIRONMENTAL SCIENCES	SCIE	241	1,893,126	2.067	3.487
10	EDUCATION & EDUCATIONAL RESEARCH	SSCI	238	346,605	1.336	1.546
11	ONCOLOGY	SCIE	222	1,930,764	3.186	4.597
11	PLANT SCIENCES	SCIE	222	1,053,834	1.422	2.696
13	MANAGEMENT	SSCI	209	707,571	1.869	2.636
14	SURGERY	SCIE	200	1,206,535	1.811	2.519

JCR –善用多樣化的期刊指數

MEDICINE AND SCIENCE IN SPORTS AND EXERCISE

ISSN: 0195-9131
 eISSN: 1530-0315
 LIPPINCOTT WILLIAMS & WILKINS
 TWO COMMERCE SQ, 2001 MARKET ST, PHILADELPHIA, PA 19103
 USA

TITLES
 ISO: Med. Sci. Sports Exerc.
 JCR Abbrev: MED SCI SPORT EXER

LANGUAGES
 English

CATEGORIES
 SPORT SCIENCES - SCIE

PUBLICATION FREQUENCY
 12 issues/year

[Go to Journal Table of Contents](#) [Go to Ulrich's](#) [Printable Version](#)

[Current Year](#) **2017** [All Years](#)

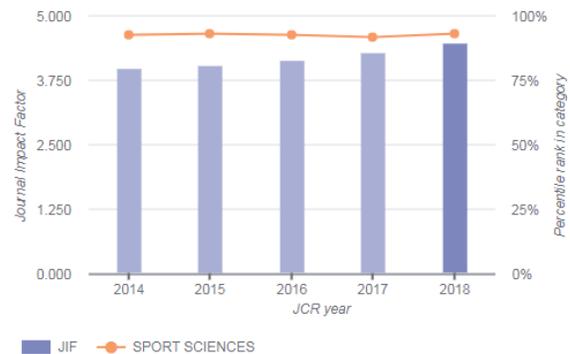
The data in the two graphs below and in the Journal Impact Factor calculation panels represent citation activity in 2018 to items published in the journal in the prior two years. They detail the components of the Journal Impact Factor. Use the "All Years" tab to access key metrics and additional data for the current year and all prior years for this journal.

Journal Impact Factor Trend 2018

[Printable Version](#)

4.478

2018 Journal Impact Factor

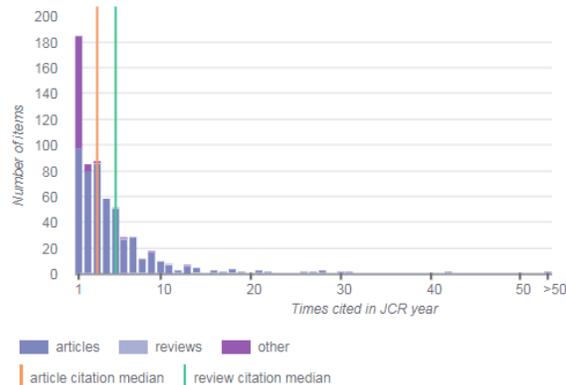


Citation distribution 2018

[Printable Version](#)

3 5

Article citation median Review citation median



Contributions by country/region

country	count
1. USA	7,085
2. Canada	459
3. England	430
4. Japan	403
5. Australia	370
6. Brazil	322
7. CHINA MAINLAND	300
8. GERMANY (FED REP GER)	137
9. Spain	131
10. Taiwan	121

Key Indicators 2018

IMPACT METRICS		INFLUENCE METRICS		SOURCE METRICS	
Total Cites	36,988 Trend	Eigenfactor Score	0.02897 Trend	Citable Items	294 Trend
Journal Impact Factor	4.478 Trend	Article Influence Score	1.496 Trend	% Articles in Citable Items	98.98 Trend
5 Year Impact Factor	4.883 Trend	Normalized Eigenfactor	3.44705 Trend	Average JIF Percentile	93.373 Trend
Immediacy Index	1.180 Trend			Cited Half-Life	10.1 Trend
Impact Factor Without Journal Self Cites	4.195 Trend			Citing Half-Life	8.4 Trend

關於被觀察期刊的說明

Home Journal Profile

LAW LIBRARY JOURNAL

ISSN: 0023-9283
AMER ASSOC LAW LIBRARIES
SUITE 703 53 WEST JACKSON BLVD, CHICAGO, IL 60604
UNITED STATES

Go to Journal Table of Contents Go to Ulrich's

Titles
ISO: Law Libr. J.
JCR Abbrev: LAW LIBR J

Categories
INFORMATION SCIENCE & LIBRARY SCIENCE - SSCI;
LAW - SSCI;

Languages
4 Issues/Year;
Suppressed in 2012 and 2013

之前被觀察的期刊/未有影響因數的期刊，會在詳細頁面說明

Key Indicators

Year ▼	Total Cites Graph	Journal Impact Factor Graph	Impact Factor Without Journal Self Cites Graph	5 Year Impact Factor Graph	Immediacy Index Graph	Citable Items Graph	Cited Half-Life Graph	Citing Half-Life Graph	Eigenfactor Score Graph	Article Influence Score Graph	% Articles in Citable Items Graph	Normalized Eigenfactor Graph	Average JIF Percentile Graph
2016	283	0.540	0.060	0.604	0.111	27	>10.0	>10.0	0.00...	0.054	100.00	0.01...	30.268
2015	230	0.643	0.214	0.390	0	21	>10.0	>10.0	0.00...	0.070	100.00	0.01...	40.540
2014	468	0.475	0.169	0.546	0.150	20	>10.0	>10.0	0.00...	0.079	100.00	0.02...	36.997
2010	176	0.898	0.081	0.497	0.194	31	6.6	7.6	0.00...	0.028	96.77	Not ...	56.528
2009	197	0.385	0.138	0.442	0.704	27	7.4	6.6	0.00...	0.035	88.89	Not ...	22.943

收錄在WOS的期刊卻沒有IF值?

Web of Science

Clarivate Analytics

Search Search Results My Tools Search History Marked List

SFX Free Full Text from Publisher Look Up Full Text Save to EndNote online Add to Marked List 1 of 13

A new taxon of *Lysionotus* (Gesneriaceae) from Northeastern India

By: Joe, A (Joe, Alfred)^[1,2]; Hareesh, VS (Hareesh, Vadakkoot Sankaran)^[2]; Sabu, M (Sabu, Mamiyil)^[2]

TAIWANIA
Volume: 62 Issue: 4 Pages: 337-339
DOI: 10.6165/tai.2017.62.337
Published: DEC 2017
Document Type: Article

Abstract
Lysionotus gamosepalus var. biflorus, a new variety from northeastern India is described and illustrated with photographs. Information on its ecology is provided. The new taxon is morphologically similar to L. gamosepalus var. gamosepalus but can be easily distinguished by a combination of characters such as un-branched pair-flowered cyme, hairy corolla and two coiled staminodes.

Author Information
Reprint Address: Sabu, M (reprint author)
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Addresses:
[1] St Thomas Coll, Dept Bot, Trichur 680001, Kerala, India
+ [2] Univ Calicut, Dept Bot, Calicut 673635, Kerala, India
E-mail Addresses: msabu9@gmail.com

Funding

Citation Network

In Web of Science Core Collection

0
Times Cited

Create Citation Alert

7
Cited References

View Related Records

Use in Web of Science

Web of Science Usage Count

2 Last 180 Days	2 Since 2013
--------------------	-----------------

Learn more

Taiwania是2017年新收錄於SCIE的期刊

時刻注意WOS收錄

InCites Journal Citation Reports



Home > Journal Profile

Philippine Political Science Journal

ISSN: 0115-4451
eISSN: 2165-025X
ROUTLEDGE JOURNALS, TAYLOR & FRANCIS LTD
2-4 PARK SQUARE, MILTON PARK, ABINGDON OX14 4RN, OXON, ENGLAND
PHILIPPINES

[Go to Journal Table of Contents](#) [Go to Ulrich's](#) [Printable Version](#)

TITLES

ISO: Philipp. Polit. Sci. J.
JCR Abbrev: PHILIPP POLIT SCI J

LANGUAGES

English

CATEGORIES

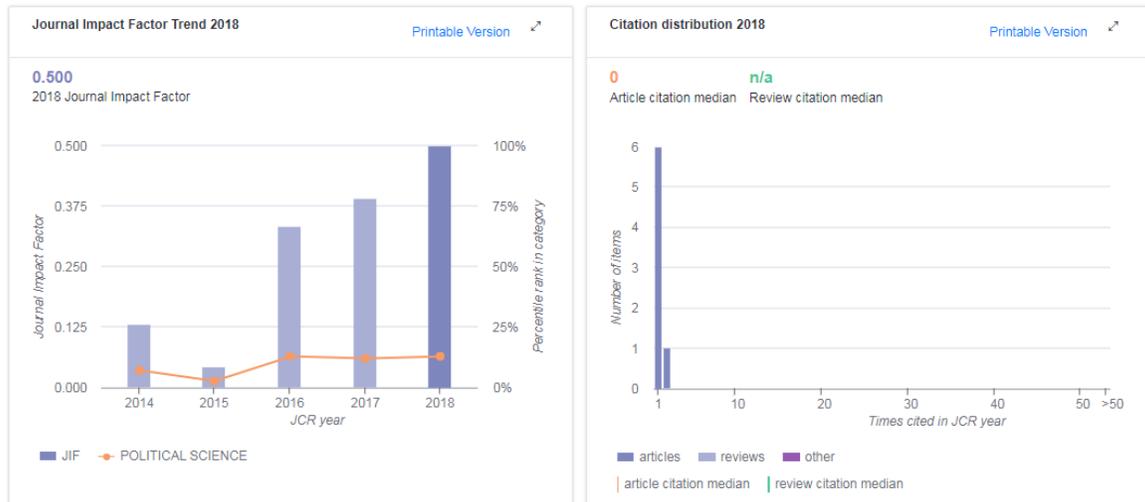
POLITICAL SCIENCE - SSCI

PUBLICATION FREQUENCY

2 issues/year

Current Year 2017 All Years

The data in the two graphs below and in the Journal Impact Factor calculation panels represent citation activity in 2018 to items published in the journal in the prior two years. They detail the components of the Journal Impact Factor. Use the "All Years" tab to access key metrics and additional data for the current year and all prior years for this journal.



Web of Science

Search

Tools > Searches and

Results: 197

(from Web of Science Core Collection)

You searched for: PUBLICATION NAME: (philippine political science journal) ...More

Create an alert

Sort by: Date (descending) Times Cited Usage Count Relevance More >

Select Page

Export...

Add to Marked List

Refine Results

Search within results for...

Filter results by:

Open Access (2)

Refine

1. Predictors of participation in protest in the Philippines
By: Dee, Francis Joseph A.
PHILIPPINE POLITICAL SCIENCE JOURNAL Volume: 39 Issue: 3 Pages: 155-178 Published: 2018
SFX View Abstract
2. Capitalism and Inclusion under Weak Institutions
By: Mendoza, Ronald U.
PHILIPPINE POLITICAL SCIENCE JOURNAL Volume: 39 Issue: 3 Pages: 179-185 Published: 2018
SFX
3. A time to rise: collective memoirs of the Union of Democratic Filipinos (KDP)
By: Tigno, Jorge V.
PHILIPPINE POLITICAL SCIENCE JOURNAL Volume: 39 Issue: 3 Pages: 186-188 Published: 2018

本刊在2018 有IF 但在2019的9月份被踢出SSCI

分析主題收錄期刊-Web of Science

Web of Science

檢索

結果數：58,801
(從 Web of Science 核心合輯)

您已檢索：主題: (LITHIUM-ION BATTERIES) ...更多

建立追蹤

限縮結果

在結果內檢索...

篩選結果:

- 在領域中被高度引用 (1,550)
- 領域中的熱門論文 (47)
- 開放取用 (6,568)
- 關聯的資料 (114)

限縮

出版年份

- 2019 (6,490)
- 2018 (7,940)
- 2017 (7,573)
- 2016 (6,600)

Web of Science InCites Journal Citation Reports Essential Science Indicators EndNote Publons Kopernio

Renée 說明 繁體中文

Clarivate Analytics

Web of Science

結果分析 <<回到上一頁

顯示 58,842 以下記錄 主題: (lithium-ion batteries) 引用文獻報告功能無法使用 [?]

視覺效果 樹狀圖 結果數目 25 下載 隱藏

5,456 JOURNAL OF POWER SOURCES	2,060 JOURNAL OF MATERIALS CHEMISTRY A	1,001 SOLID STATE IONICS	625 CHEMISTRY OF MATERIALS	601 JOURNAL OF SOLID STATE ELECTROCHEMISTRY	597 NANOSCALE	594 CERAMICS INTERNATIONAL
3,735 ELECTROCHIMICA ACTA	1,599 JOURNAL OF ALLOYS AND COMPOUNDS	771 JOURNAL OF PHYSICAL CHEMISTRY C	522 ADVANCED ENERGY MATERIALS	487 NANO ENERGY	450 PHYSICAL CHEMISTRY CHEMICAL PHYSICS	441 ADVANCED MATERIALS
2,272 JOURNAL OF THE ELECTROCHEMICAL SOCIETY	1,569 ACS APPLIED MATERIALS INTERFACES	757 IONICS	701 MATERIALS LETTERS	503 ELECTROCHEMISTRY COMMUNICATIONS	432 JOURNAL OF MATERIALS CHEMISTRY	383 CHEMICAL COMMUNICATIONS
	1,560 RSC ADVANCES	701 MATERIALS LETTERS	648 INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE	490 APPLIED SURFACE SCIENCE	392 CARBON	

- Web of Science 領域
- 出版年份
- 文件類型
- 機構檢索-加強版
- 贊助機構
- 作者
- 來源出版品標題**
- 書籍系列標題
- 會議標題
- 國家/地區
- 編輯者

掌握期刊收錄方向與主編

The screenshot shows the Royal Society of Chemistry website. At the top left is the logo. A navigation menu includes 'About us', 'Membership & professional community', 'Campaigning & outreach', 'Journals, books & databases' (highlighted), 'Teaching & learning', 'News & events', and 'Locations & contacts'. A search bar is present. Below the navigation is a breadcrumb trail: 'Home > Journals, books & databases > Our journals'. The main banner features the title 'Journal of Materials Chemistry A' and the subtitle 'Materials with applications in energy & sustainability'. Two buttons are visible: 'Read this journal' and 'Submit your article'.

- Journals, books & databases
- Author & reviewer hub
- Our journals
 - Maximise your impact
 - Impact Factors
 - Benefits of publishing with us
- Open access
- Our books

Impact factor: 10.733*
Publishing frequency: 48 issues per year
Editor-in-chief: Anders Hagfeldt
Time to first decision: 25 days**

Scope

Journal of Materials Chemistry A, B & C cover high quality studies across all fields of materials chemistry. The journals focus on those theoretical or experimental studies that report new understanding, applications, properties and synthesis of materials. The journals have a strong history of publishing quality reports of interest to interdisciplinary communities and providing an efficient and rigorous service through peer review and publication. The journals are led by an international team of Editors-in-Chief and Associate Editors who are all active researchers in their fields.

Editorial board

- Editorial board
- Advisory board
- Editorial office
- Lectureship

Editor-in-chief

[Anders Hagfeldt](#), EPFL, Switzerland

Associate editors

[Viola Birss](#), University of Calgary, Canada

[Goutam De](#), Institute of Nano Science and Technology (INST), Mohali, India

[Mohamed Eddaoudi](#), King Abdullah University of Science and Technology, Saudi Arabia

[Yun Jeong Hwang](#), Korea Institute of Science and Technology, South Korea

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[Zhiqun Lin](#), Georgia Institute of Technology, USA

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[Frank Osterloh](#), University of California, Davis, USA

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[Jennifer Rupp](#), Massachusetts Institute of Technology, USA

[Stephen Skinner](#), Imperial College London, UK

[Magdalena Titirici](#), Imperial College London, UK

[Li-Zhu Wu](#), Technical Institute of Physics and Chemistry, China

[Yusuke Yamauchi](#), The University of Queensland, Australia

[Zhen Zhou](#), Nankai University, China

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了解主編的研究領域與最新研究

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基本檢索 作者檢索工具^{BETA} 參考文獻檢索 進階檢索 化學結構檢索

Hagfeldt, Anders



作者 ▾

檢索

檢索秘訣

從索引選取

+ 新增列 | 重設

Web of Science

主編最新研究

檢索

結果數：406
(從 Web of Science 核心合輯)

排序依據：日期 ▾ 被引用次數 ▾ 使用情況計數 ▾ 相關性 ▾ 更多 ▾

◀ 1 / 41 ▶

檢視下列作者記錄：
hagfeldt anders

您已檢索：作者：(Hagfeldt, Anders) ...更多

建立追蹤

限縮結果

在結果內檢索...

篩選結果：

- 在領域中被高度引用 (52)
- 領域中的熱門論文 (3)
- 開放取用 (64)

選取頁面

1. Molecular Engineering of Simple Metal-Free Organic Dyes Derived from Triphenylamine for Dye-Sensitized Solar Cell Applications

作者：Ferdowsi, Parnian; Saygılı, Yasemin; Jazaeri, Farzan; 等.
CHEMUSUSCHEM

早期取閱：OCT 2019

檢視摘要 ▾

分析結果

建立引用文獻報告

被引用次數：0
(從 Web of Science 核心合輯)

使用情況計數 ▾

2. Crystal Orientation and Grain Size: Do They Determine Optoelectronic Properties of MAPbI₃ Perovskite?

作者：Muscarella, Loreta A.; Hutter, Eline M.; Sanchez, Sandy; 等.
JOURNAL OF PHYSICAL CHEMISTRY LETTERS 卷冊：10 期：20 頁數：6010-6018 出版：OCT 17 2019

檢視摘要 ▾

被引用次數：0
(從 Web of Science 核心合輯)

使用情況計數 ▾

3. Ba-induced phase segregation and band gap reduction in mixed-halide inorganic perovskite solar cells

作者：Xiang, Wanchun; Wang, Zaiwei; Kubicki, Dominik J.; 等.
NATURE COMMUNICATIONS 卷冊：10 文獻號碼：4686 出版：OCT 15 2019

檢視摘要 ▾

被引用次數：0
(從 Web of Science 核心合輯)

使用情況計數 ▾

Web of Science

主編最重要的研究

檢索

結果數：406
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◀ 1 / 41 ▶

檢視下列作者記錄：
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建立追蹤

限縮結果

在結果內檢索...

篩選結果：

- 在領域中被高度引用 (52)
- 領域中的熱門論文 (3)

選取頁面

1. Dye-Sensitized Solar Cells

作者：Hagfeldt, Anders; Boschloo, Gerrit; Sun, Licheng; 等.
CHEMICAL REVIEWS 卷冊：110 期：11 頁數：6595-6663 出版：NOV 2010

分析結果

建立引用文獻報告

被引用次數：6,035
(從 Web of Science 核心合輯)

使用情況計數 ▾

2. Cesium-containing triple cation perovskite solar cells: improved stability, reproducibility and high efficiency

作者：Saliba, Michael; Matsui, Taisuke; Seo, Ji-Youn; 等.
ENERGY & ENVIRONMENTAL SCIENCE 卷冊：9 期：6 頁數：1989-1997 出版：2016

檢視摘要 ▾

被引用次數：1,892
(從 Web of Science 核心合輯)

使用情況計數 ▾

3. Incorporation of rubidium cations into perovskite solar cells improves photovoltaic performance

被引用次數：1,462
(從 Web of Science 核心合輯)

追蹤近期期刊收錄文章了解期刊主題方向

可熟知同領域的最新主題的發表狀況

Web of Science

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基本檢索 作者檢索工具^{BETA} 參考文獻檢索

JOURNAL OF MATERIALS CHEMISTRY A 出版

從索引選取

檢索

結果數：16,952
(從 Web of Science 核心合輯)

您已檢索：出版品名稱: (JOURNAL OF MATERIALS CHEMISTRY A) ...更多

限縮結果

在結果內檢索...

篩選結果:

- 在領域中被高度引用 (322)
- 領域中的熱門論文 (4)
- 開放取用 (1,446)
- 關聯的資料 (69)

出版年份

- 2019 (2,324)
- 2018 (2,551)
- 2017 (2,657)
- 2016 (2,105)
- 2015 (2,842)

更多選項/值...

工具 ▾ 檢索與追蹤 ▾ 檢索歷史 勾選的清單

排序依據：日期 被引用次數 使用情況計數 相關性 更多 ▾ ◀ 1 / 1,696 ▶

選取頁面

有機太陽能電池應用

1. Impact of end groups on the performance of non-fullerene acceptors for organic solar cell applications
作者: Suman; Singh, Surya Prakash
JOURNAL OF MATERIALS CHEMISTRY A 卷冊: 7 期: 40 頁數: 22701-22729 出版: OCT 28 2019
 檢視摘要 ▾

分析結果
「引用文獻報告」功能無法使用。 [?]
被引用次數: 0
(從 Web of Science 核心合輯)
使用情況計數 ▾

MXene設計的鋰硫電池

2. MXene-engineered lithium-sulfur batteries
作者: Xiao, Zhubing; Li, Zhonglin; Meng, Xueping; 等.
JOURNAL OF MATERIALS CHEMISTRY A 卷冊: 7 期: 40 頁數: 22730-22743 出版: OCT 28 2019
 檢視摘要 ▾

被引用次數: 0
(從 Web of Science 核心合輯)
使用情況計數 ▾

3. Photoluminescent metal-organic frameworks and their application for sensing biomolecules
作者: Dong, Jing; Zhao, Dan; Lu, Yi; 等.
JOURNAL OF MATERIALS CHEMISTRY A 卷冊: 7 期: 40 頁數: 22744-22767 出版: OCT 28 2019
 檢視摘要 ▾

被引用次數: 0
(從 Web of Science 核心合輯)
使用情況計數 ▾

4. Silica aerogel composites with embedded fibres: a review on their preparation, properties and applications
作者: Linhares, Teresa; Pessoa de Amorim, Maria T.; Duraes, Luisa
JOURNAL OF MATERIALS CHEMISTRY A 卷冊: 7 期: 40 頁數: 22768-22802 出版: OCT 28 2019
 檢視摘要 ▾

被引用次數: 0
(從 Web of Science 核心合輯)
使用情況計數 ▾

海水可充電電池的出現

5. Emergence of rechargeable seawater batteries
作者: Senthilkumar, S. T.; Go, Wooseok; Han, Jinhyup; 等.
JOURNAL OF MATERIALS CHEMISTRY A 卷冊: 7 期: 40 頁數: 22803-22825 出版: OCT 28 2019
 檢視摘要 ▾

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Atomic scattering in the presence of an external confinement and a gas of impenetrable bosons

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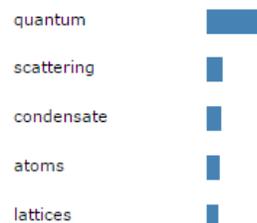
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比對分數↓	JCR Impact Factor 今年 5 年	期刊	類似文獻	
	3.718 2015	3.513 5 年	PHYSICAL REVIEW B	10
	2.765 2015	2.598 5 年	PHYSICAL REVIEW A	1

關鍵字排行榜



JCR 類別	領域排名	領域分級
OPTICS	17/90	Q1
PHYSICS, ATOMIC, MOLECULAR & CHEMICAL	12/35	Q2

出版者:

ONE PHYSICS ELLIPSE, COLLEGE PK, MD 20740-3844

ISSN: 2469-9926

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	0.701 2015	0.863 5 年	INTERNATIONAL JOURNAL OF QUANTUM INFORMATION	0
	1.041 2015	0.908 5 年	INTERNATIONAL JOURNAL OF THEORETICAL PHYSICS	0
	7.645 2015	7.326 5 年	PHYSICAL REVIEW LETTERS	2
	1.84 2015	1.913 5 年	QUANTUM INFORMATION PROCESSING	0

AI幫你找期刊-Master Journal List

The screenshot shows the Web of Science Master Journal List interface. At the top, the navigation bar includes the Web of Science Group logo, 'Master Journal List', and links for 'Search Journals', 'Match Manuscript', 'Downloads', 'Scope Notes', and 'Help Center'. On the right, it says 'Welcome, Sin Ying Guan' with 'Settings' and 'Log Out' options.

The main content area features a dark blue background with a starry pattern. A large white modal window titled 'Manuscript Matcher' is centered on the screen. The modal contains the following text: 'Manuscript Matcher helps you find the most related journals for your theme. Please provide information about your manuscript below.' Below this text are two text input fields: 'Title' (with a subtext 'The manuscript title or relevant part(s) of the title') and 'Abstract' (with a subtext 'The manuscript abstract or relevant part(s) of the abstract'). At the bottom of the modal are two buttons: 'Cancel' and 'Find Journals'.

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Bone growth factors in maxillofacial skeletal reconstruction
H Schliephake - International journal of oral and maxillofacial surgery, 2002 - Elsevier
Abstract. A literature review was performed to survey the available information on the potential of bone growth factors in skeletal reconstruction in the maxillofacial area. The aim of this review was to characterize the biological and developmental nature of the growth ...
☆ 被引用 473 次 相關文章 全部共 8 個版本

Vascularized cranial bone grafts for mandibular and maxillary reconstruction: the parietal osteofascial flap
PH Choung, IW Nam, KS Kim - Journal of Cranio-Maxillofacial Surgery, 1991 - Elsevier
The authors have performed 13 cases of vascularized cranial bone grafts for reconstruction of maxillofacial defects since 1986. Two types of flaps were used: the parietal osteofascial flap pedicled to the parieto-temporal fascia based on the superficial temporal artery and the ...
☆ 被引用 68 次 相關文章 全部共 4 個版本

Reconstruction of maxillofacial bone defects: contemporary methods and future techniques
R Alfotawi, A Ayoub - American Journal of Advances in Medical Science, 2014 - eprints.gla.ac.uk
Reconstruction of maxillofacial continuity defects has always been a challenging task for the scientist and surgeons over the years. The main goal of the reconstruction of the maxillofacial region is to restore facial form, function, full rehabilitation of occlusion and articulation. A refinement in surgical technique and methods of reconstruction has improved patient's quality of life. This manuscript reviewed exciting methods of bone reconstruction and confirms that the ideal system for reconstruction of critical size continuity defect of the ...
☆ 被引用 8 次 相關文章 全部共 2 個版本

Animal studies of application of rhBMP-2 in maxillofacial reconstruction
PJ Boyne - Bone, 1996 - Elsevier
A pilot study in adult male Macaca fascicularis (rhesus) monkeys was undertaken to observe the effect of two dose ranges of recombinant human BMP-2 on bone regeneration following bilateral hemimandibulectomies. The mandibulectomies consisted of 2.2 centimeter ...
☆ 被引用 196 次 相關文章 全部共 8 個版本

Maxillofacial reconstruction using custom-made artificial bones fabricated by inkjet printing technology

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A comparative estimation of plasma creatinine concentration using Jaffe's reaction and kinetic method in patients with chronic renal failure
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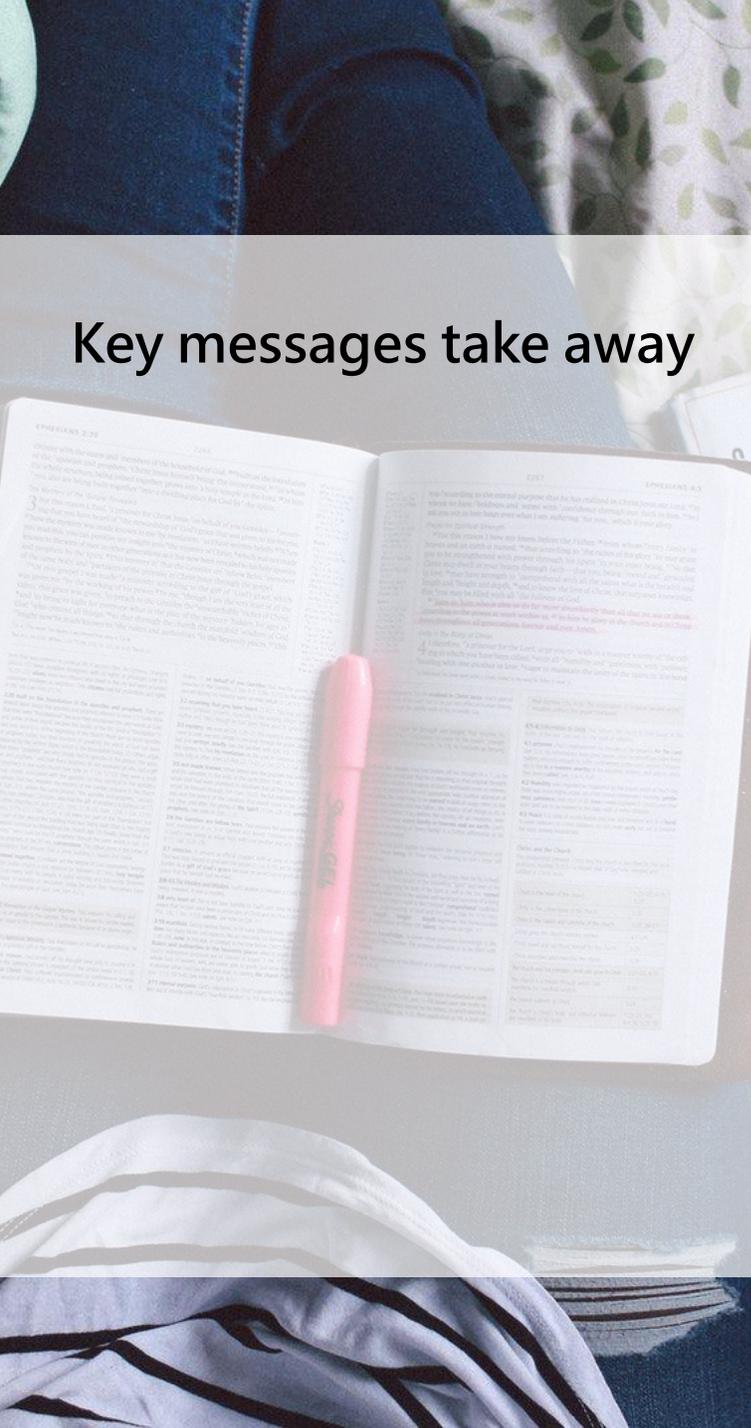
Reconstruction of maxillofacial bone defects: Contemporary methods and future techniques
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Task based learning, problem oriented learning and simulation based learning in medicine. A Review
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- 1 Web of Science是研究人員可信賴的文獻資源收集入口
- 2 透過WOS/JCR協助您查找更多相關期刊的收錄，找出投稿的要點與清單
- 3 期刊投稿必須小心!小心!再小心
勿過度依賴Google，運用各方資源，只要被質疑過的期刊都應該謹慎
- 4 要長期培養自己對於掌握領域內期刊熟悉程度
- 5 科睿唯安提供一系列科研資料庫與工具，協助加速科學研究的速度

即時追蹤最新科研相關資訊!

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201909 WOS 收錄期刊更新

- ✓ SCIE新增35種期刊，期中30種期刊由ESCI晉級
- ✓ SSCI新增9種期刊，期中9種期刊由ESCI晉級
- ✓ AHCI新增1種期刊，期中1種期刊由ESCI晉級



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🔍 SCIE/SSCI 期刊收錄資訊官方版本在 Master Journal List：<http://mjl.clarivate.com/>

🔍 Impact Factor 官方版本只在 Journal Citation Reports：<http://jcr.clarivate.com/>

🔍 查詢期刊審查狀態、文章收錄疑問、資料庫使用上有任何疑問，可聯繫我們客服團隊：<https://bit.ly/2naHXwS>

👉 如何用學校帳號登入資料庫查詢？請趕快洽詢學校的圖書館館員喔 😊

Web of Science核心合輯的期刊遴選一直是動態監測和變化的過程，2019年9月四大期刊資料庫的收錄更新如下：

📖 SCIE（科學引文索引）期刊資料庫新增35種期刊，刪除3種期刊。SCIE目前收錄了1900年至今、178個自然科學學科共9280種高品質期刊。

📖 SSCI（社會科學引文索引）期刊資料庫新增9種期刊，刪除1種期刊。SSCI目前收錄了1900年至今、58個社會科學學科的3436種權威學術期刊。

📖 AHCI（藝術與人文引文索引）期刊資料庫新增1種期刊，刪除1種期刊。AHCI目前收錄了1975年至今、28個人文藝術領域學科的1828種國際性、高影響力的學術期刊的資料內容。

📖 ESCI（新興資源引文索引）期刊資料庫新增12種期刊，刪除33種期刊。ESCI目前收錄了2005年至今、254個學科的7766種國際性、高影響力的學術期刊。



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SCIE期刊資料庫的更新動態

2019.9

「新增，晉級」表示期刊從ESCI資料庫進入SCIE/SSCI/AHCI資料庫

資料來源：
<http://mjl.clarivate.com>



資料庫	期刊	ISSN號	變更狀態
SCIE	AIMS MATHEMATICS	ISSN: *****	新增, 晉級
SCIE	ARCTIC SCIENCE	ISSN: *****	新增, 晉級
SCIE	BMJ GLOBAL HEALTH	ISSN: 2059-7908	新增, 晉級
SCIE	CHEMBOENG REVIEWS	ISSN: 2196-9744	新增, 晉級
SCIE	CLINICAL SARCOMA RESEARCH	ISSN: *****	新增, 晉級
SCIE	ENERGY STORAGE MATERIALS	ISSN: 2405-8297	新增, 晉級
SCIE	ESMO OPEN	ISSN: *****	新增, 晉級
SCIE	GENES AND ENVIRONMENT	ISSN: 1880-7046	新增, 晉級
SCIE	JOULE	ISSN: 2542-4351	新增, 晉級
SCIE	JOURNAL OF NANOSTRUCTURE IN CHEMISTRY	ISSN: 2008-9244	新增, 晉級
SCIE	KIDNEY DISEASES	ISSN: 2296-9381	新增, 晉級
SCIE	MATERIALS CHEMISTRY FRONTIERS	ISSN: *****	新增, 晉級
SCIE	NANOIMPACT	ISSN: 2452-0748	新增, 晉級
SCIE	RESEARCH IN THE MATHEMATICAL SCIENCES	ISSN: 2522-0144	新增, 晉級
SCIE	RICERCHER DI MATEMATICA	ISSN: 0035-5038	新增, 晉級
SCIE	STOCHASTICS AND PARTIAL DIFFERENTIAL EQUATIONS-ANALYSIS AND COMPUTATIONS	ISSN: 2194-0401	新增, 晉級
SCIE	SURFACES AND INTERFACES	ISSN: 2468-0230	新增, 晉級
SCIE	ULTRASONOGRAPHY	ISSN: 2288-5919	新增, 晉級
SCIE	WORLD JOURNAL OF DIABETES	ISSN: *****	新增, 晉級
SCIE	WORLD JOURNAL OF GASTROINTESTINAL SURGERY	ISSN: 1948-9366	新增, 晉級
SCIE	EUROPEAN UROLOGY FOCUS	ISSN: *****	新增
SCIE	FOOD SCIENCE AND HUMAN WELLNESS	ISSN: *****	新增
SCIE	JOURNAL OF ANIMAL SCIENCE AND TECHNOLOGY	ISSN: 1598-9429	新增
SCIE	RHIZOSPHERE	ISSN: *****	新增
SCIE	STROKE AND VASCULAR NEUROLOGY	ISSN: 2059-8688	新增
SCIE	CELL COMMUNICATION AND ADHESION	ISSN: 1541-9061	刪除
SCIE	INTERNATIONAL JOURNAL OF SHOULDER SURGERY	ISSN: 0973-6042	刪除
SCIE	PHOTOMEDICINE AND LASER SURGERY*	ISSN: 1549-5418	刪除

SSCI期刊資料庫的更新動態

2019.9

「新增，晉級」表示期刊從ESCI資料庫進入SCIE/SSCI/AHCI資料庫

資料來源：
<http://mjl.clarivate.com>



資料庫	期刊	ISSN號	變更狀態
SSCI	ANNALS OF PUBLIC AND COOPERATIVE ECONOMICS	ISSN: 1370-4788	新增, 晉級
SSCI	BMJ GLOBAL HEALTH	ISSN: 2059-7908	新增, 晉級
SSCI	CULTURAL TRENDS	ISSN: 0954-8963	新增, 晉級
SSCI	ECONOMIC ANALYSIS AND POLICY	ISSN: 0313-5926	新增, 晉級
SSCI	HEALTH SYSTEMS & REFORM	ISSN: 2328-8604	新增, 晉級
SSCI	JOURNAL OF EDUCATIONAL CHANGE	ISSN: 1389-2843	新增, 晉級
SSCI	JOURNAL OF RESEARCH ON TECHNOLOGY IN EDUCATION	ISSN: 1539-1523	新增, 晉級
SSCI	LAND	ISSN: *****	新增, 晉級
SSCI	THEORY AND RESEARCH IN SOCIAL EDUCATION	ISSN: 0093-3104	新增, 晉級
SSCI	PHILIPPINE POLITICAL SCIENCE JOURNAL	ISSN: 0115-4451	刪除

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- 參加網址：
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