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A Clarivate Analytics company

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

Clarivate Analytics | THOMSON REUTERS 科睿唯安

- 原湯森路透(Thomson Reuters) 智慧財產與科學事業部
- 2016年正式更名爲科睿唯安(Clarivate Analytics)作爲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

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150年的傳承

1864
Zoological Records
動物生物學資料庫建立

1926
BIOSIS
生物學資料庫建立

1955
SCI
Eugene Garfield 博士發明引文索引

1957
ISI
成立ISI公司

1963
Derwent
Monty Hyams 發行德溫特專利摘要

1980
COMPUMARK
收購商標檢索公司

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





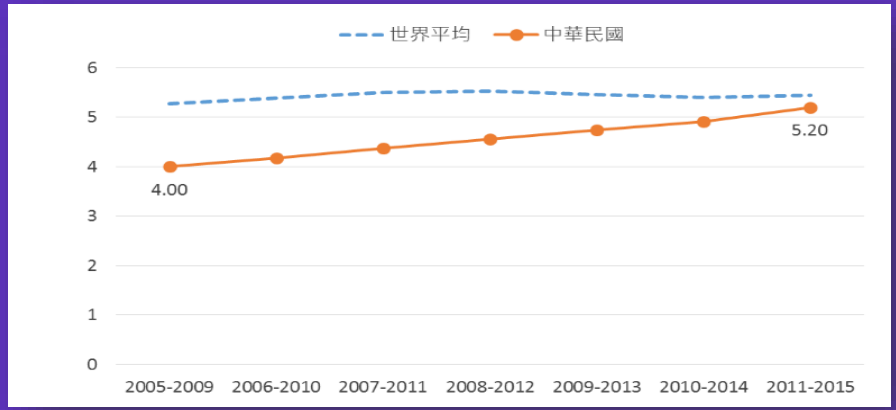
Artificial Intelligence

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。



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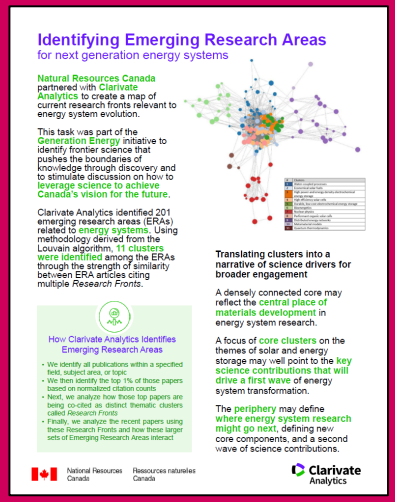
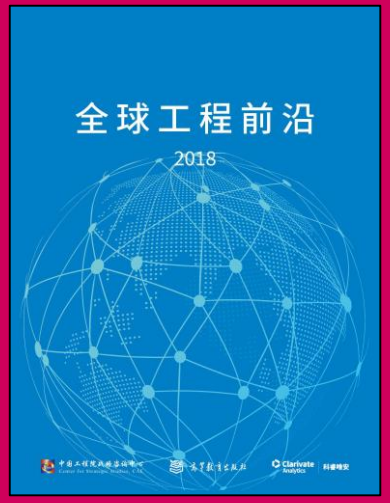
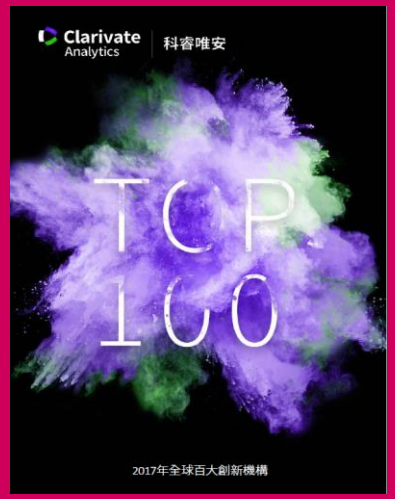
與各政府及研究機構密切合作關注創新領域







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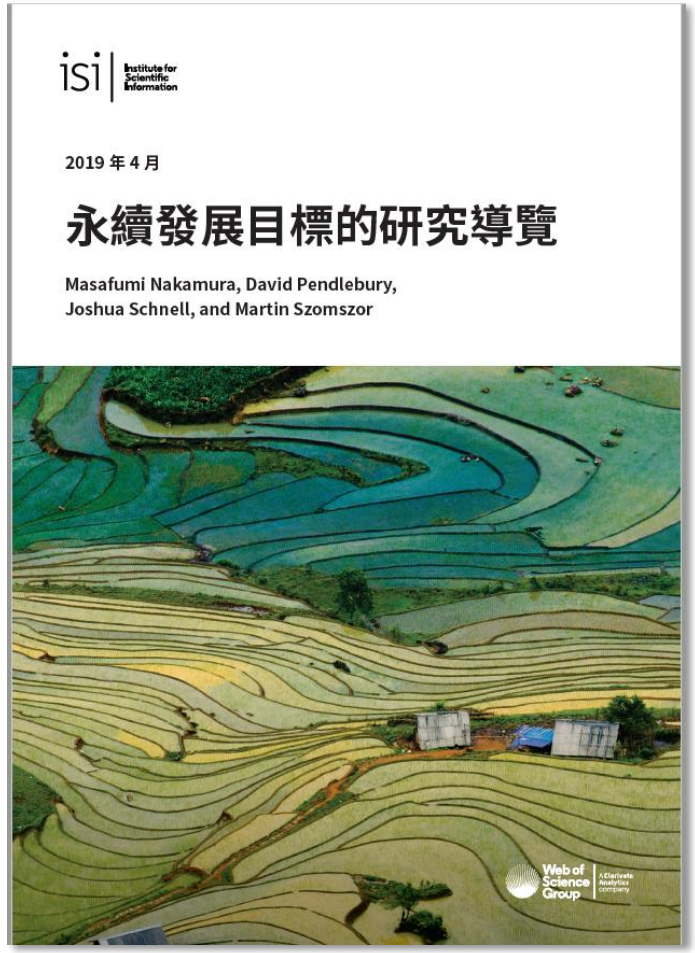
永續發展目標的研究導覽



- **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**。

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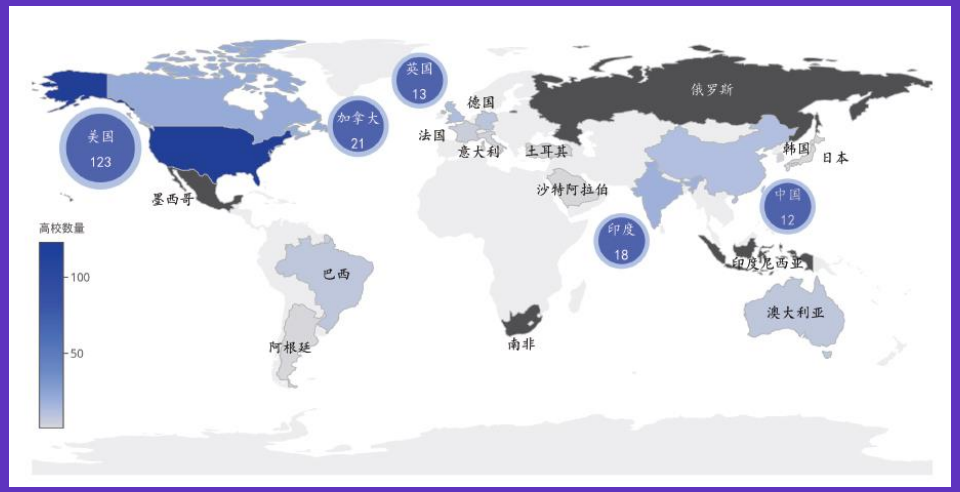
G20 國家科技競爭格局之辯：人工智慧專題

- 《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**



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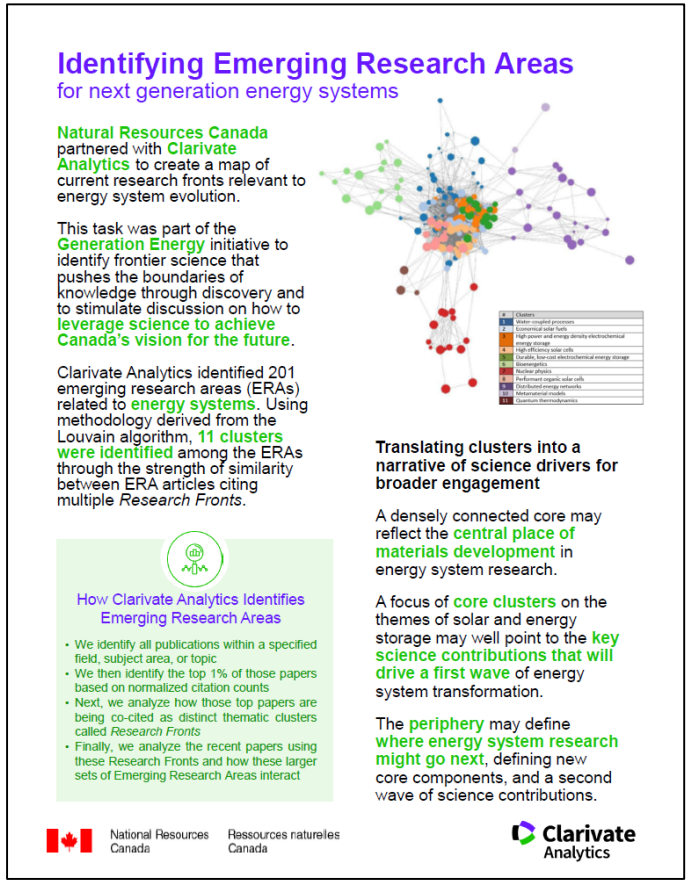
加拿大的綠能研發的下一步



- 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

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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

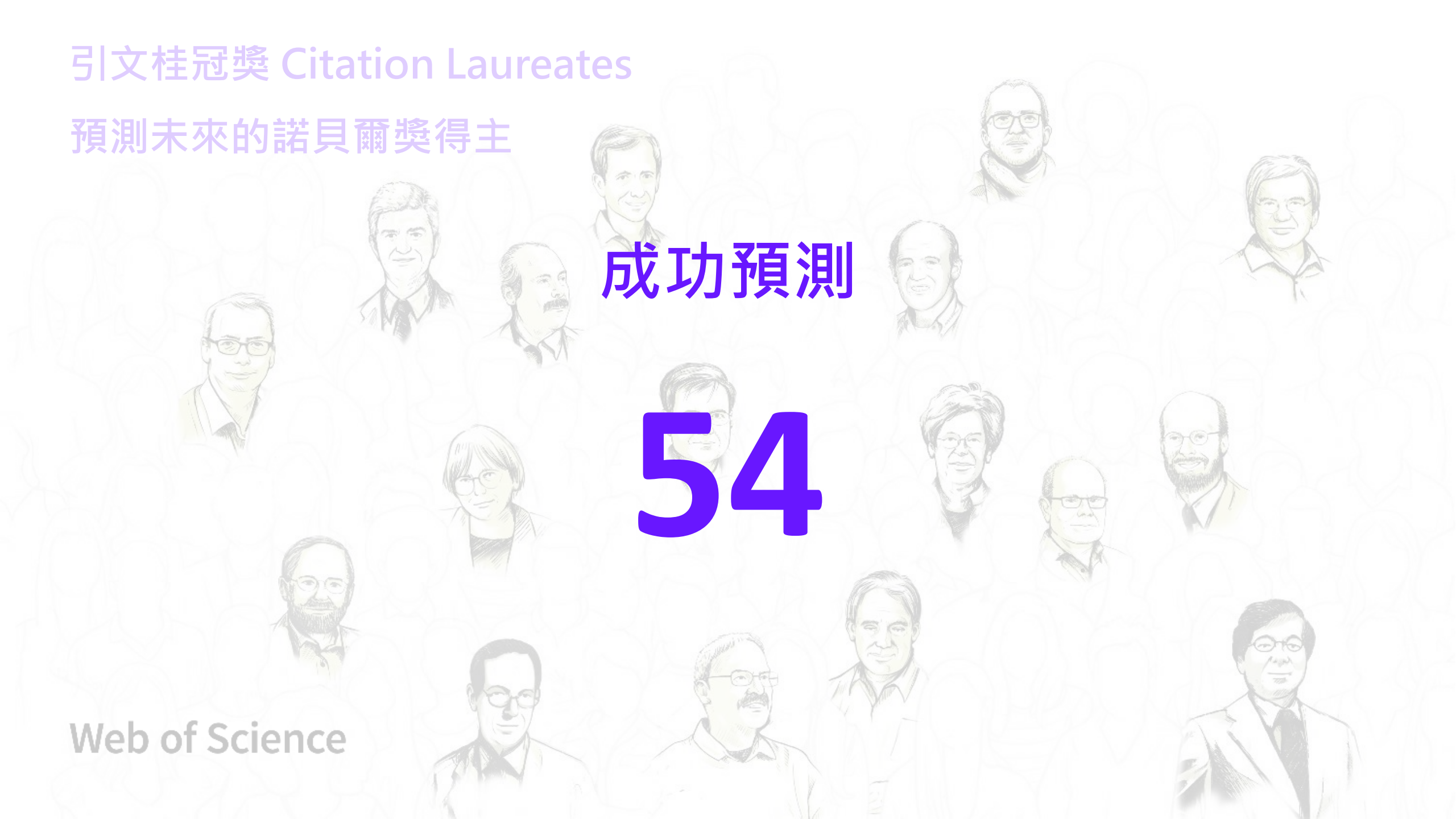
排名	熱點前沿	核心論文	被引次數	核心論文平均出版年
1	適應性模糊最佳控制系統研究	39	1679	2016.2
2	無線感測器網路的資料獲取、傳輸與安全和隱私保護	31	827	2016.1
3	基於 D 數理論的決策方法研究	43	1353	2016
4	面向 5G 的非正交多重存取	22	826	2016
5	二階梯度彈性理論及其應用	47	1576	2015.6
6	幾類典型非線性發展偏微分方程的求解及其在流體力學、電磁學等領域的應用	28	817	2015.6
7	基於智慧卡、生物特徵等的遠端使用者認證方案及相關技術	46	4211	2015.3
8	多細微性模湖決策理論約略集合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

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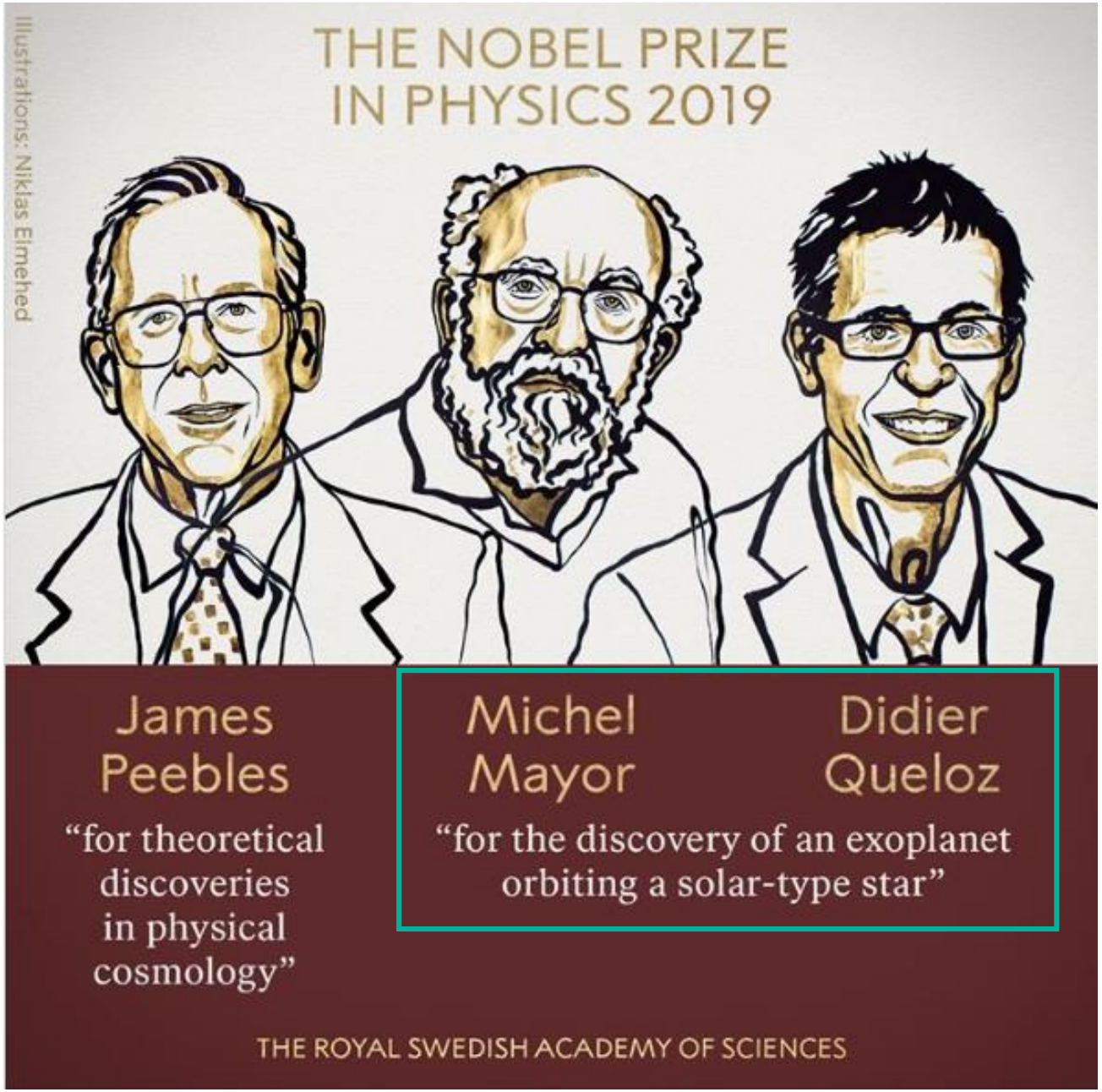
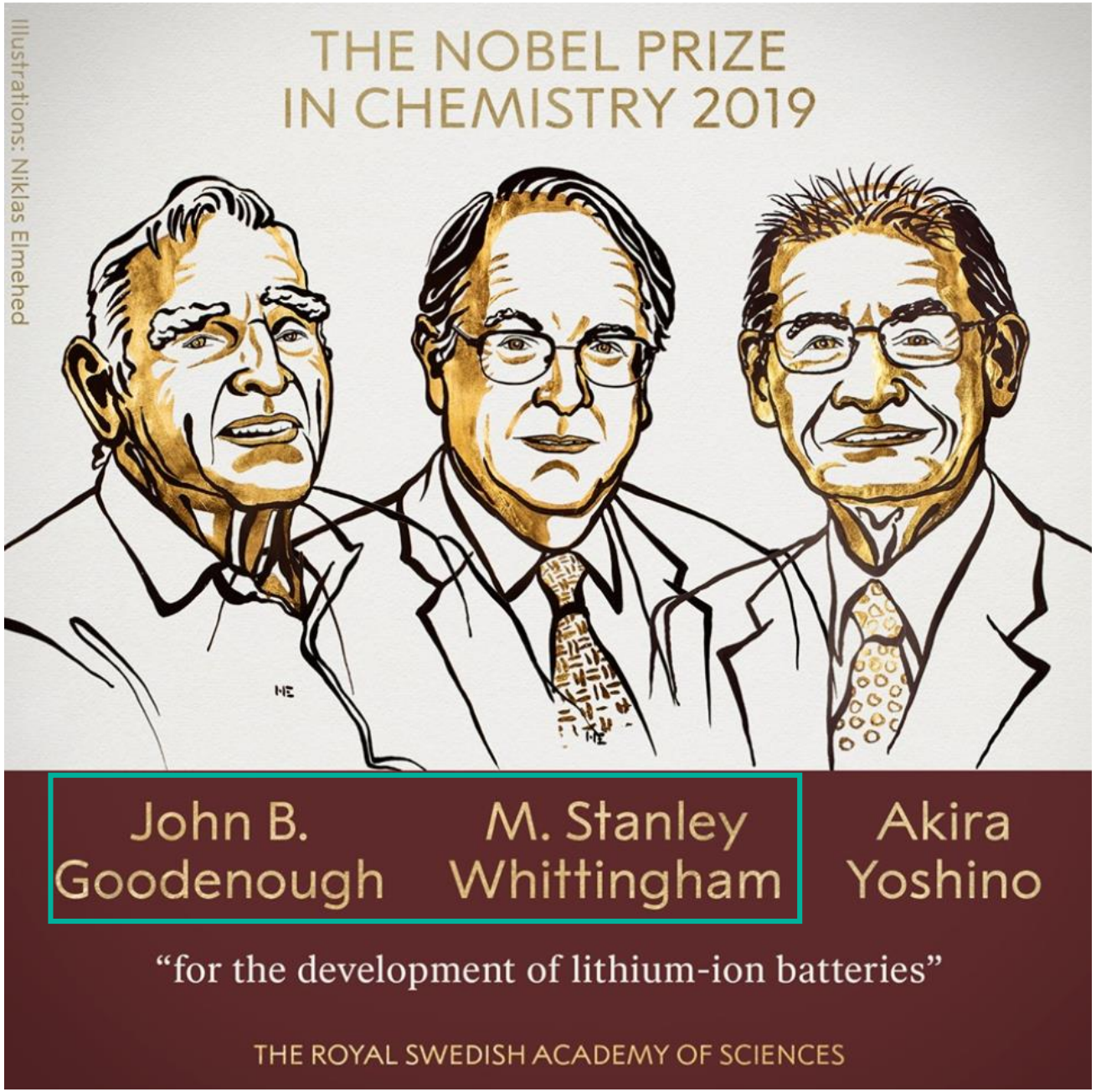
2013
引文桂冠獎得主

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。



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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

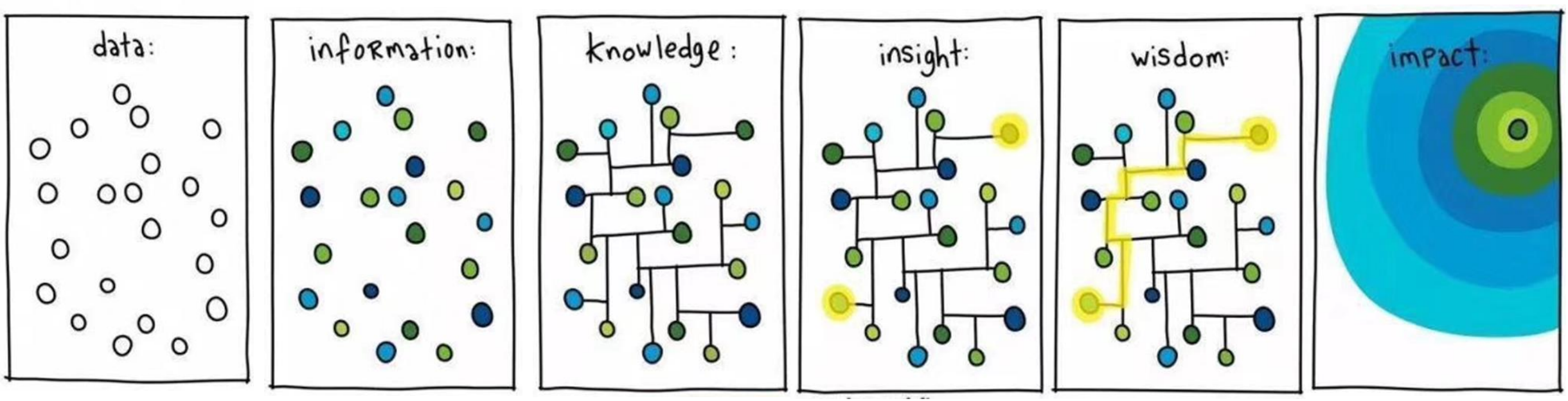
國立台灣大學
食品科技研究所特聘教授兼所長 潘敏雄

在Google大神的世代下

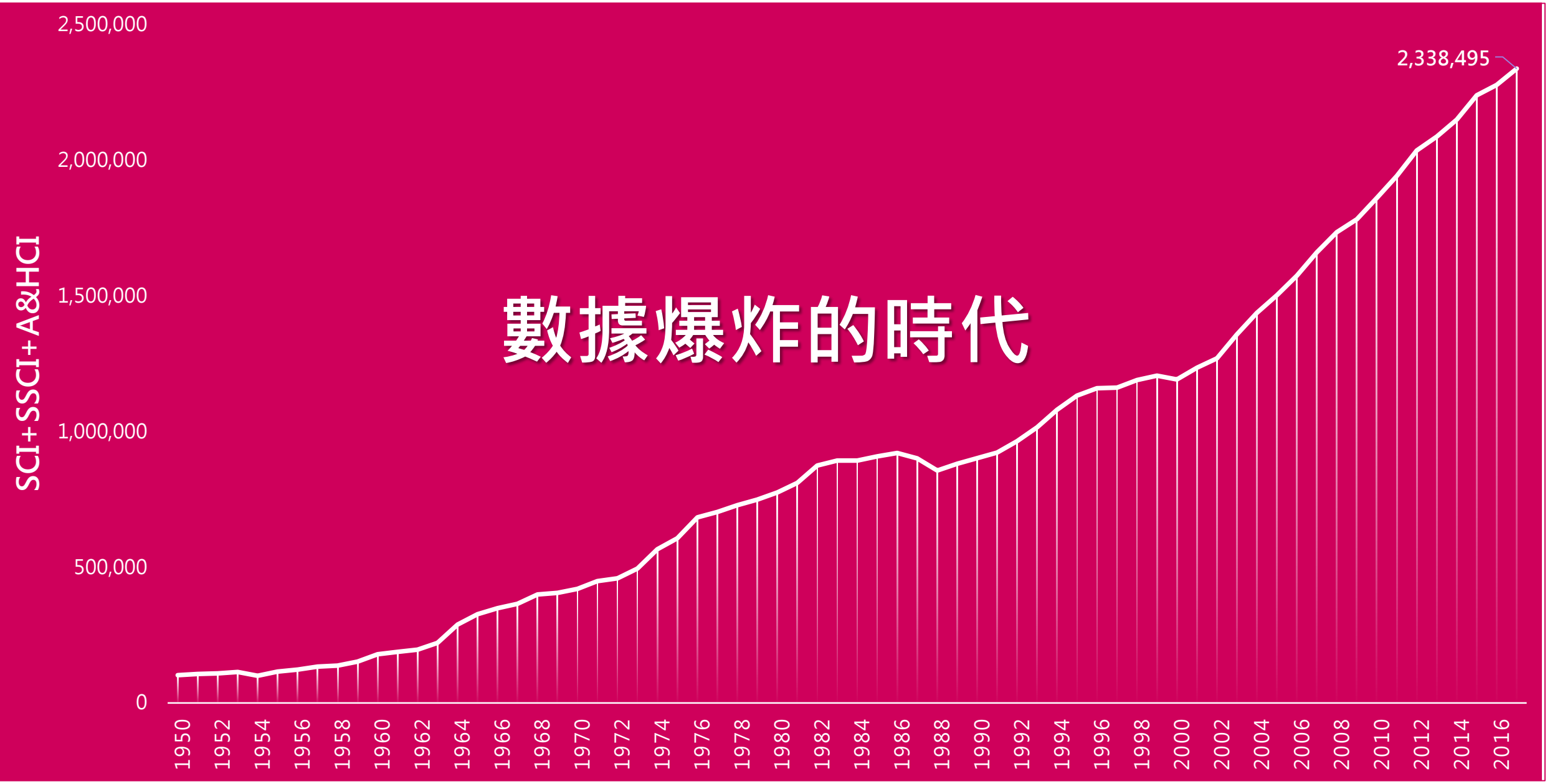
你的專業價值是什麼？

From Data to Insight

找資料 → 分析 → 洞析 → 預測 → 決策



Infographic credit: Gapingvoid



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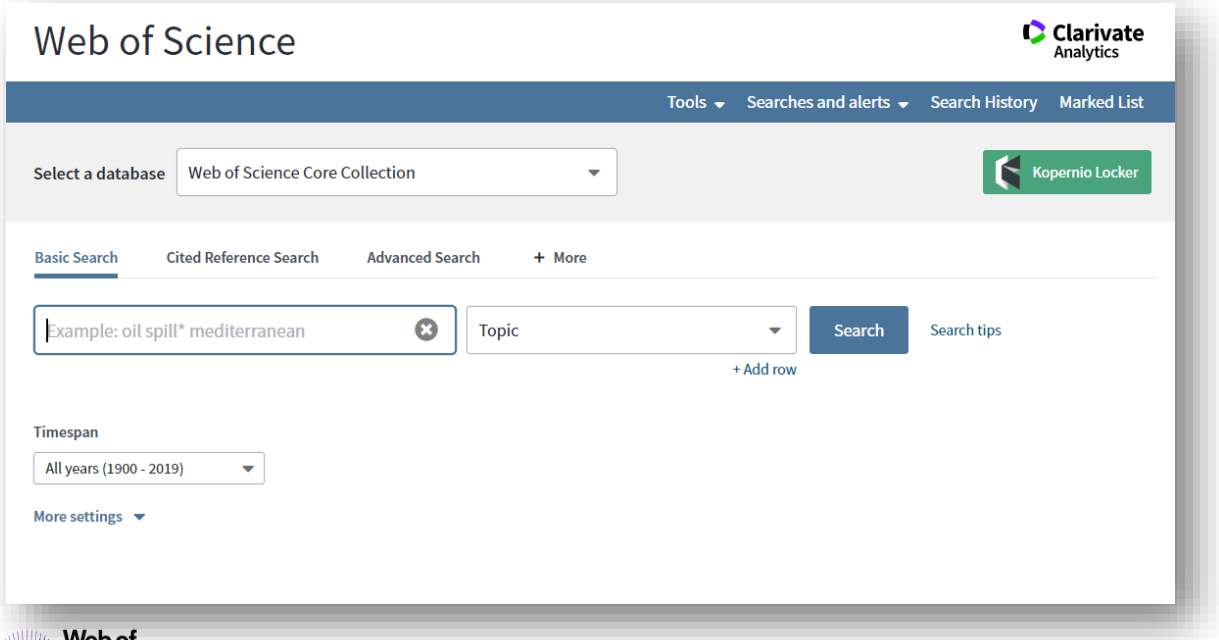
資料來源：WOS (SCI+SSCI+A&HCI)

Question

當你要買一本書時，你會從哪先看哪裡去決定？

A.目錄



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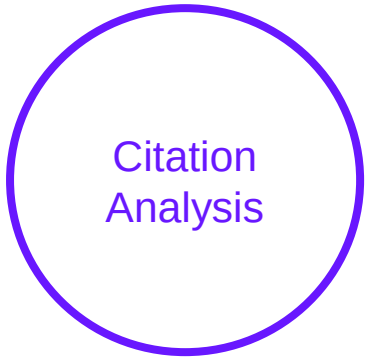
Web of Science選刊原則

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

- 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？

- 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。



- 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)

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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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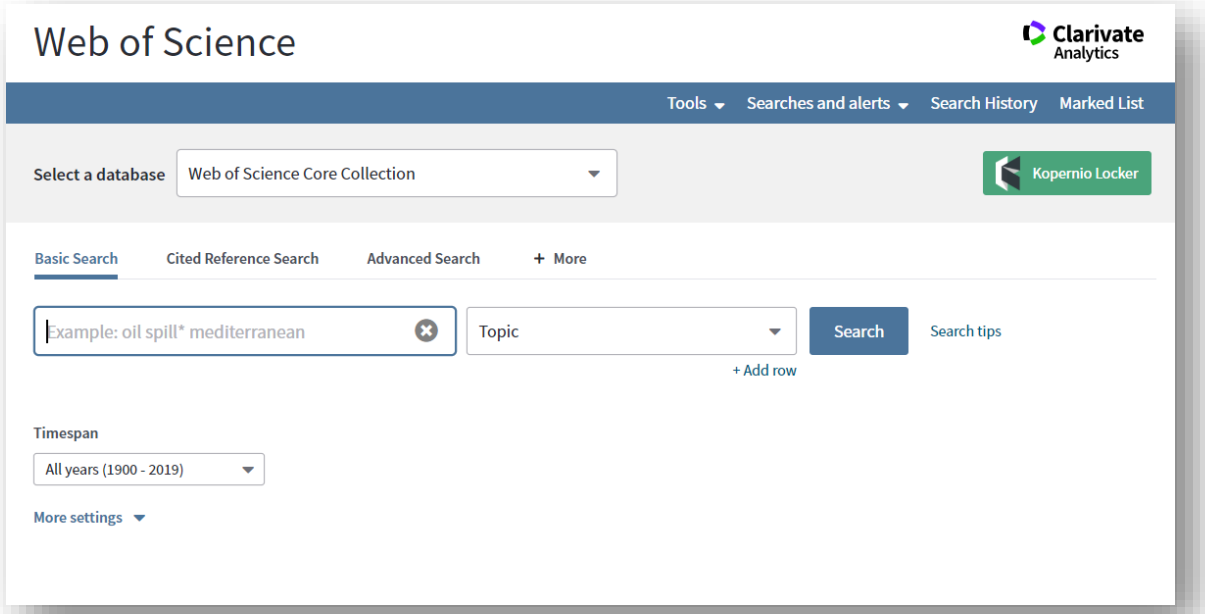
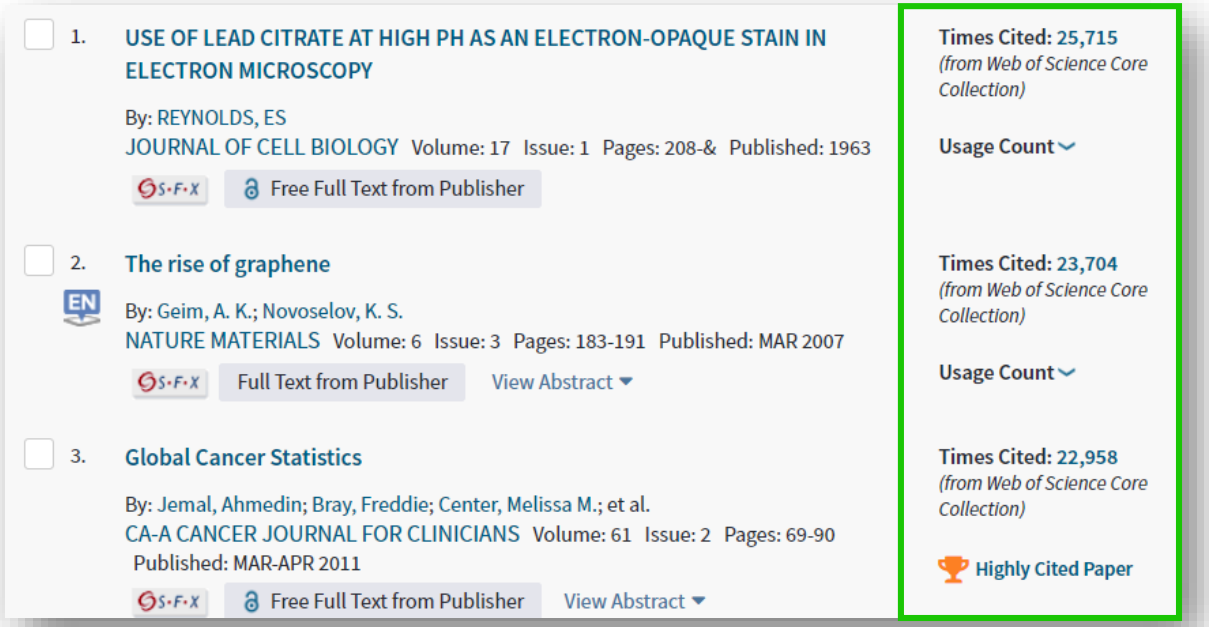
Question

當你要買一本書時，你會從哪先看哪裡去決定？

A.目錄



B.序/推薦



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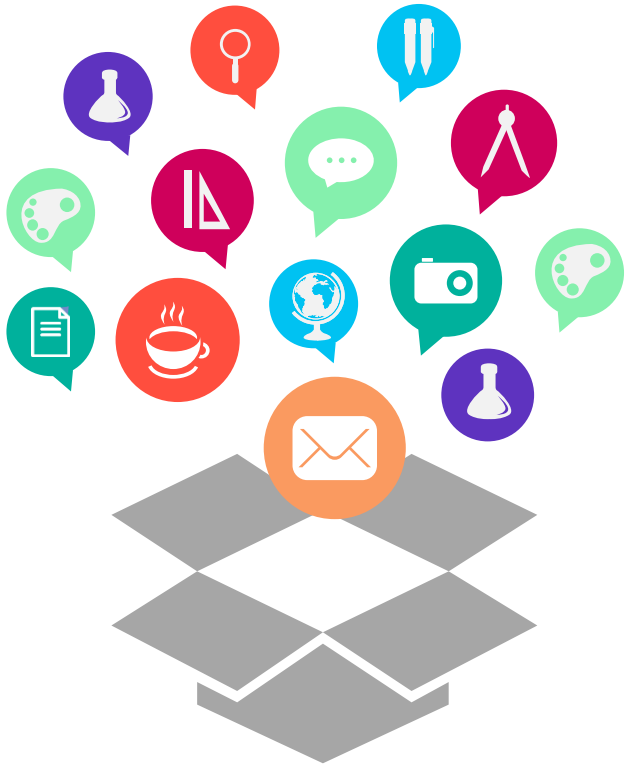
Web of Science核心合輯資料庫：品質



- 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
- 前所未有的回溯深度，包含**1900年至今的共1.5億多萬條文獻和14億多條參考文獻**
- Web of Science核心合輯篩選全球優質的學術資源放到平台上，**省去了我們大量閱讀文獻**，挑選優質文章的時間和精力

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研究靈感從哪來？

必須掌握**文獻**

收集期刊文獻的必要性

- 瞭解主題研究趨勢與動態
  - 參考文獻
  - 研究背景的補充
  - 撰寫科技部計畫的研究方向
- 國內、外相關領域學者的資料
  - 追蹤重要學者
  - 找出推薦審查員
  - 瞭解同儕研究
- 期刊投稿分析
  - 期刊收錄主題
  - 主編喜好
- 基金資助方向
  - 國內外相關主題資助
  - 申請計畫的前期分析

Web of Science為科研人員提供整合創新的研究平台

檢索 | 分析 | 追蹤 | 寫作 | 投稿

收集學術文獻的第一步

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什麼是「引文」??

BMC Genetics 2004, 5 http://www.biomedcentral.com/1471-2156/5/7

Additional material

Additional File 1
Excel spreadsheet of ARI genotypes with strain and marker headings for a subset of ARI strains.
Click here for file
[http://www.biomedcentral.com/content/supplementary/1471-2156-5-7-S1.xls]

Additional File 2
Excel spreadsheet of pairs of closely spaced genotypes used for estimation of true recombinations.
Click here for file
[http://www.biomedcentral.com/content/supplementary/1471-2156-5-7-S2.xls]

Additional File 3
Excel spreadsheet of
Click here for file
[http://www.biomedcentral.com/content/supplementary/1471-2156-5-7-S3.xls]

Acknowledgements
Our thanks for financial support from (1) The Informatics Center for Mouse Neurogenetics; (2) P20-MH62009 from NIMH, NIDA, and NSF to RWW. (2) INIA grants U01AA13499 and U24AA135B from NIAAA to RWW, and (3) R37 HD20275 from NICHD to LMS. We thank Shuhua Qi, Zhiping Jia, for animal care and genotyping; Irina Agulnik, Olga Chertkov, and Edward Gomez for animal care; Arthur Centeno for computer support; Pamela Franklin and Barbara Smith for administrative assistance; and John Levorse, Daniel Goldowitz, and Kristin Hamre for rederivations.

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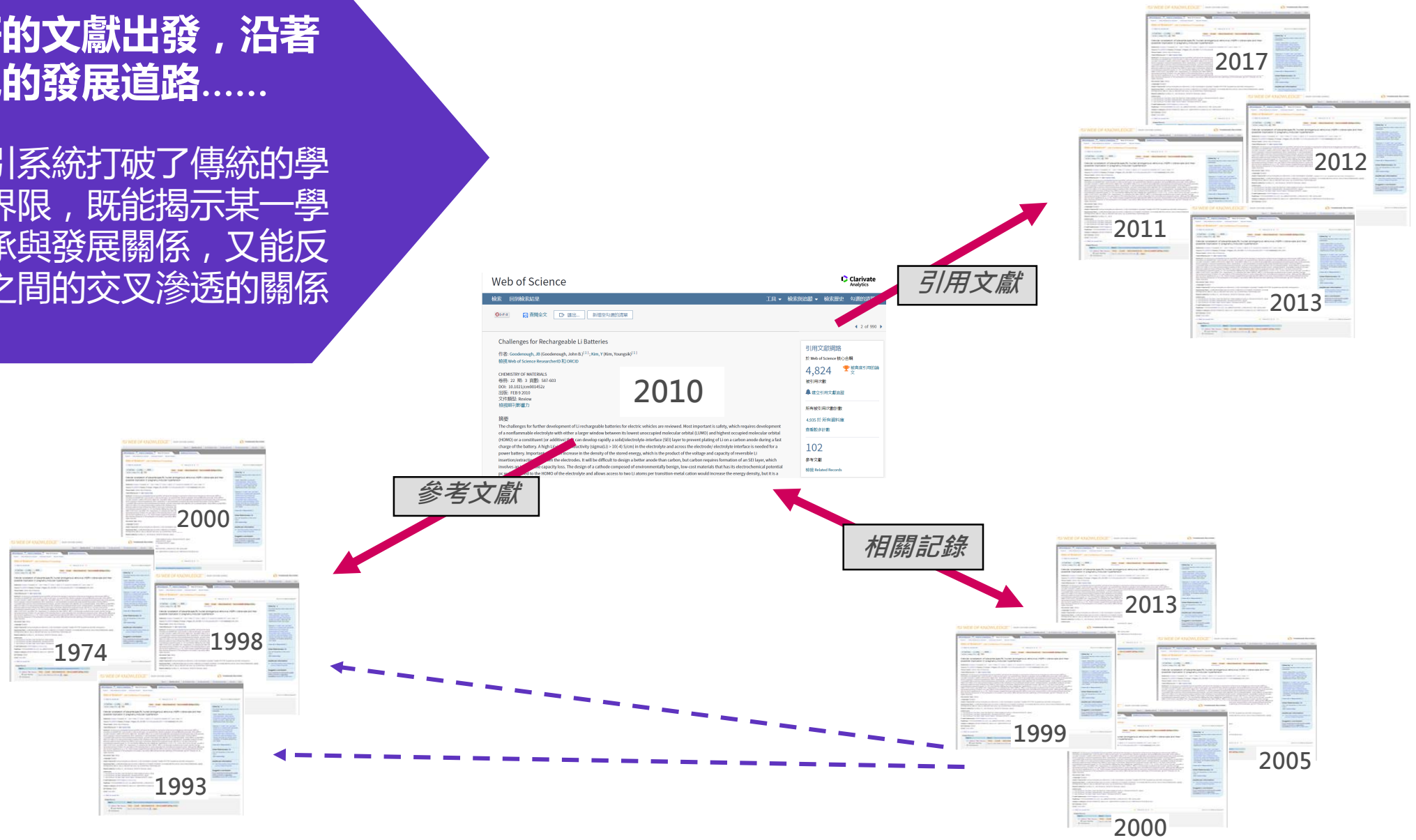

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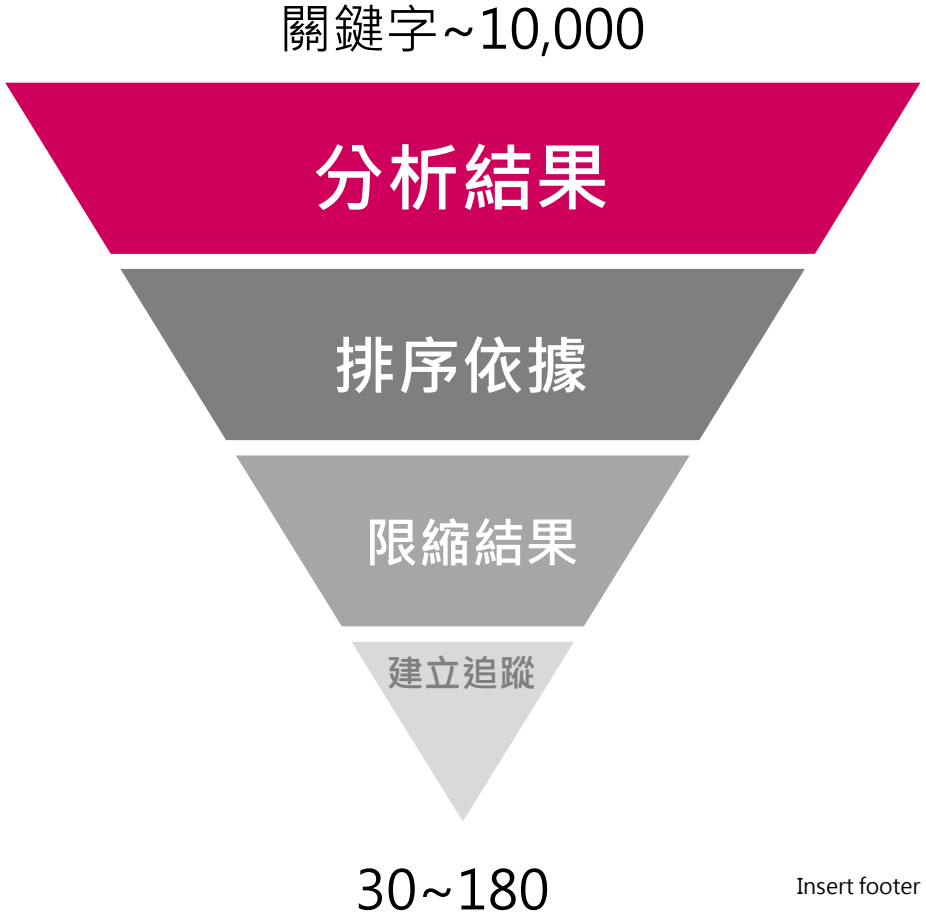

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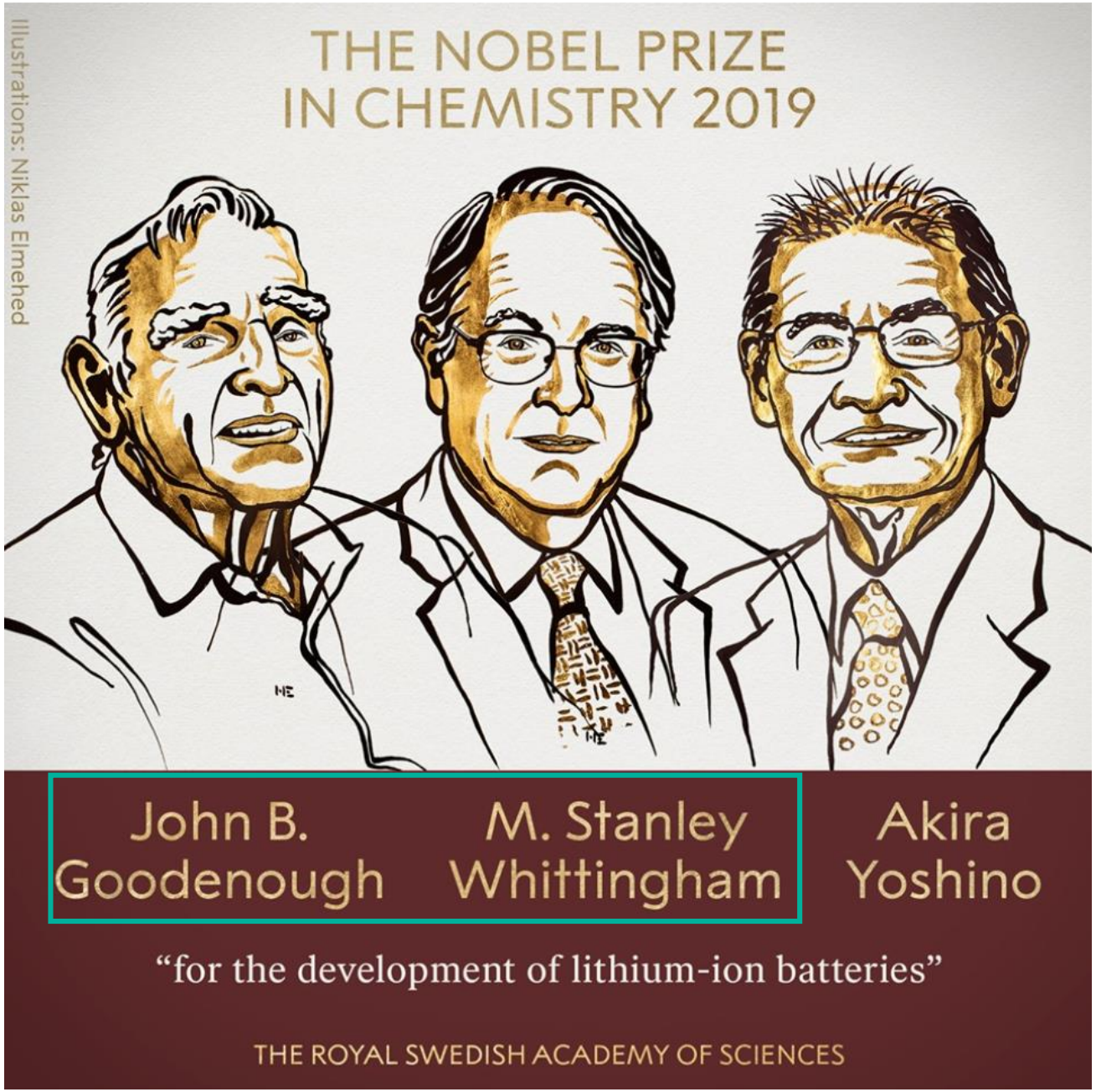

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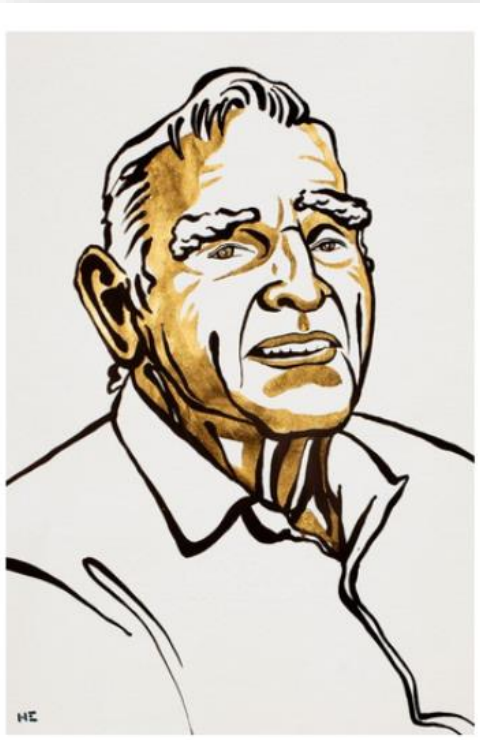

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Challenges for Rechargeable Li Batteries

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 ail 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 pc 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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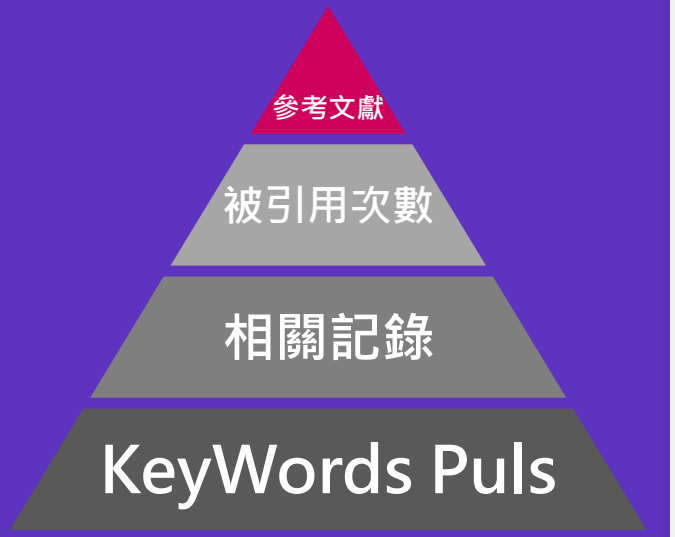

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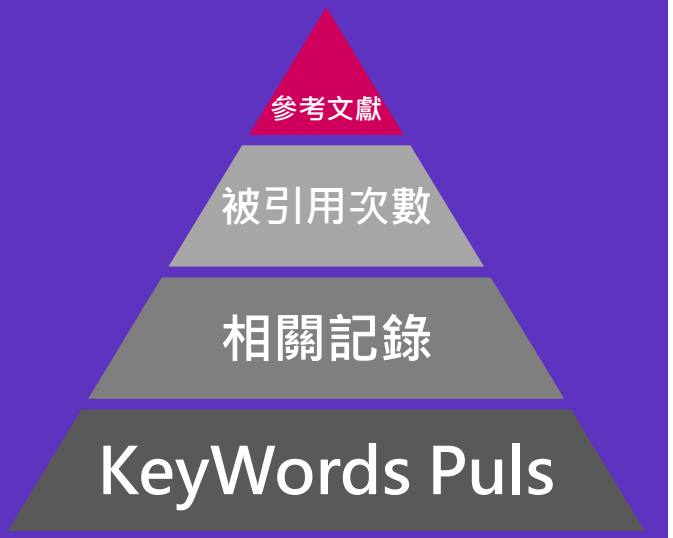

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Chap. 4
Publisher: Kluwer Academic/ Plenum, New York
Times Cited: 4 (from Web of Science Core Collection)

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Conference: International Symposium on Intercalation Compounds for Battery Materials held at the Joint Electrochemical-Society/Japan-Electrochemical-Society Meeting Location: HONOLULU, HI Date: OCT 17-22, 1999
Sponsor(s): Electrochem Soc, Battery Div; Electrochem Soc, Energy Technol Div
INTERCALATION COMPOUNDS FOR BATTERY MATERIALS, PROCEEDINGS Book Series: ELECTROCHEMICAL SOCIETY SERIES Volume: 99 Issue: 24 Pages: 1-14 Published: 2000
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By: GOODENOUGH, JB; MIZUSHIMA, K; TAKEDA, T
JAPANESE JOURNAL OF APPLIED PHYSICS Volume: 19 Issue: 3 Pages: 305-313 Published: 1980
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35. **FAST NA+-ION TRANSPORT IN SKELETON STRUCTURES**
Associated Data
By: GOODENOUGH, JB; HONG, HYP; KAFALAS, JA
MATERIALS RESEARCH BULLETIN Volume: 11 Issue: 2 Pages: 203-220 Published: 1976
Times Cited: 1,283 (from Web of Science Core Collection)

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By: Guerfi, A.; Dontigny, M.; Kobayashi, Y.; et al.
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Challenges for Rechargeable Li Batteries

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
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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

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Jian, Pinxian; Jing, Jialun; Wang, Yizhe; 等. Facilely transforming bulk materials to SnO/pristine graphene 2D-2D heterostructures for stable and fast lithium storage. JOURNAL OF ALLOYS AND COMPOUNDS (2020)

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作者: Yu, Juan; Ma, Nani; Peng, Jiaxin; 等.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷冊: 20 期: 3 頁數: 1643-1650 出版: MAR 2020

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3. Double-carbon protected silicon anode for high performance lithium-ion batteries

作者: Zhu, Linhui; Chen, Yanli; Wu, Changqing; 等.

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作者: Dunn, Bruce; Kamath, Haresh; Tarascon, Jean-Marie
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作者: Yang, Zhenguo; Zhang, Jianlu; Kintner-Meyer, Michael C. W.; 等.
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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
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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
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5. Beyond Intercalation-Based Li-Ion Batteries: The State of the Art and Challenges of Electrode Materials Reacting Through Conversion Reactions
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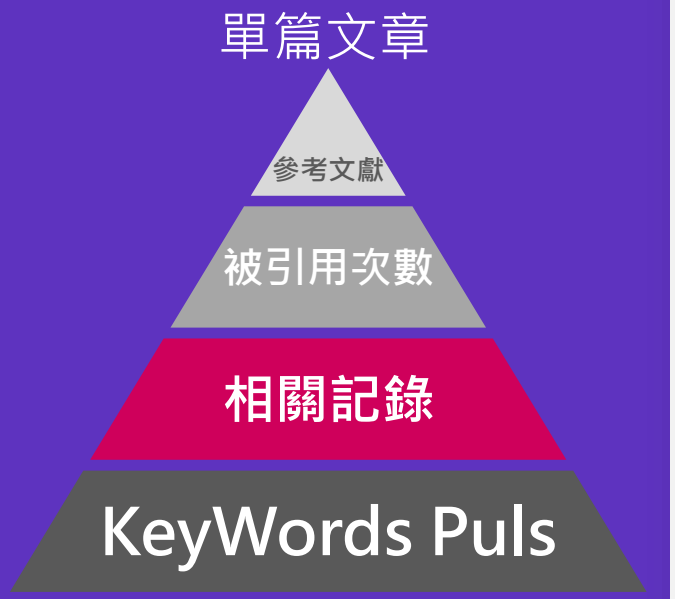

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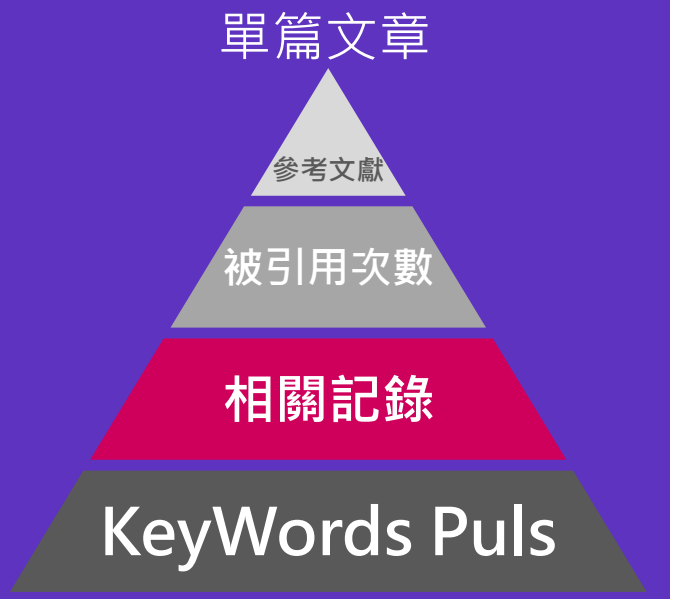

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作者: Ghazi, Zahid Ali; Sun, Zhenhua; Sun, Chengguo; 等.
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作者: Bhatt, Mahesh Datt; O'Dwyer, Colm
PHYSICAL CHEMISTRY CHEMICAL PHYSICS 卷冊: 17 期: 7 頁數: 4799-4844 出版: 2015
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4. 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)

KeyWords Puls

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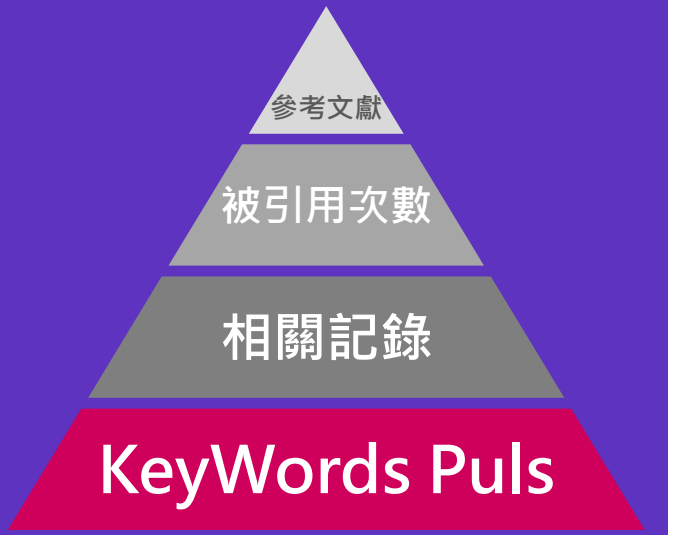

30-180文獻

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(Li) > 10(-4) S/cm) in the electrolyte and across the electrode/ electrolyte interface is needed for a power battery. Important also is ail 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 pc 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

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

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

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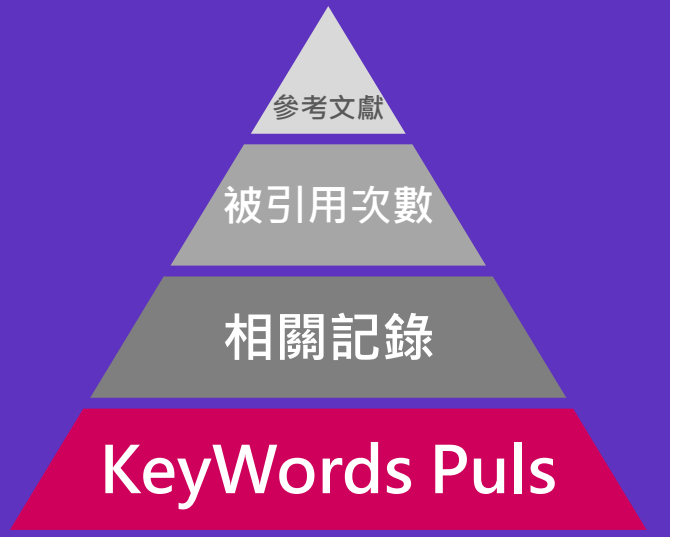

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1. Improving Cycling Stability and Rate Capability of High-Voltage LiCoO2 Through an Integration of Lattice Doping and Nanoscale Coating
作者: Cui, Zhenze; Wang, Zhenya; Zhai, Yanwu; 等.
JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY 卷冊: 20 期: 4 頁數: 2473-2481 出版: APR 2020
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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
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 Oroxylum 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
檢視摘要
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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
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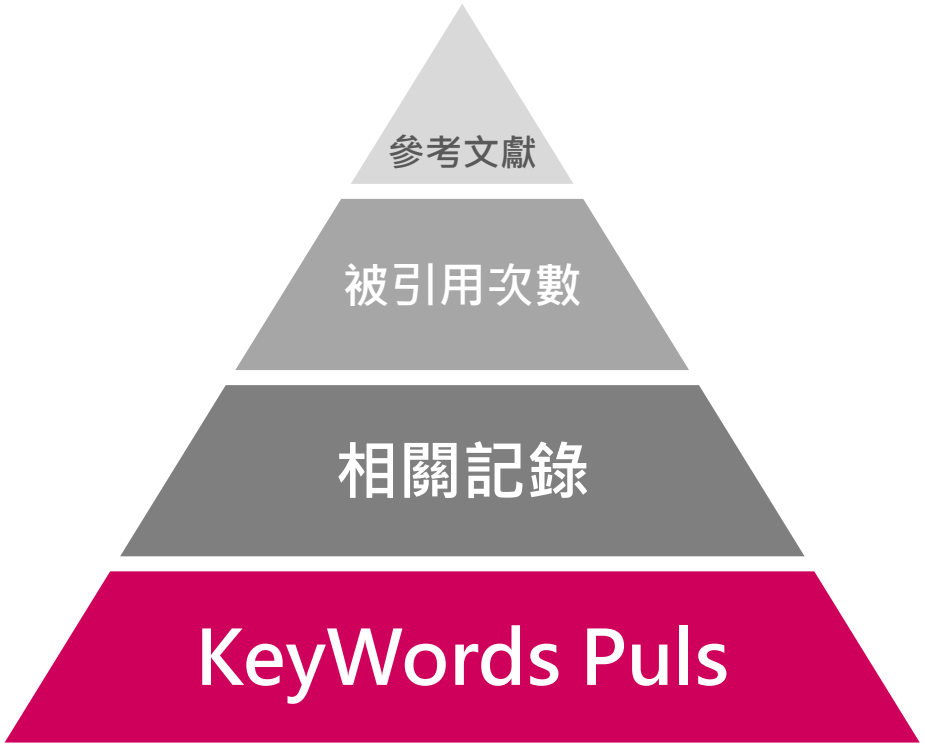

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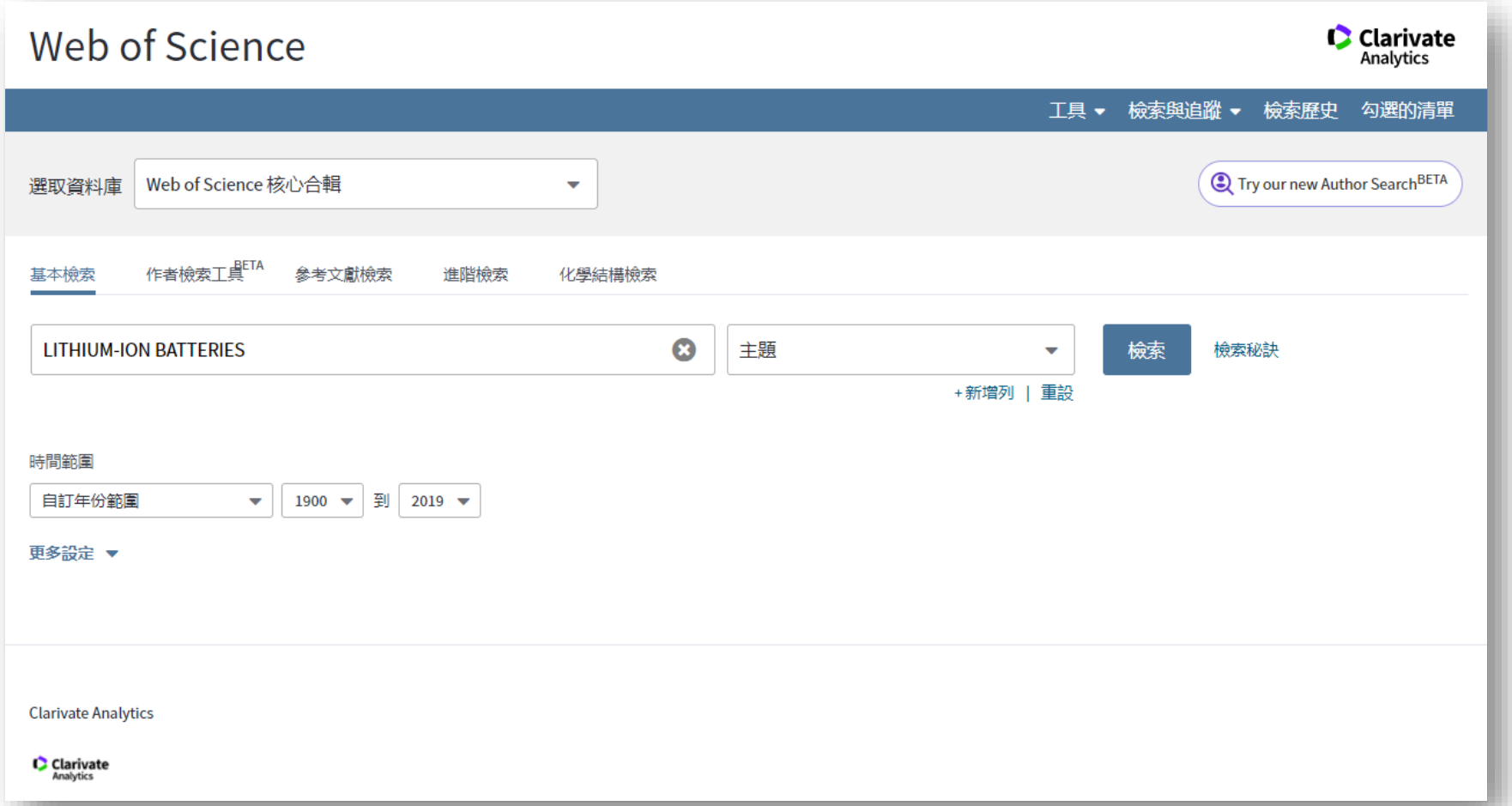

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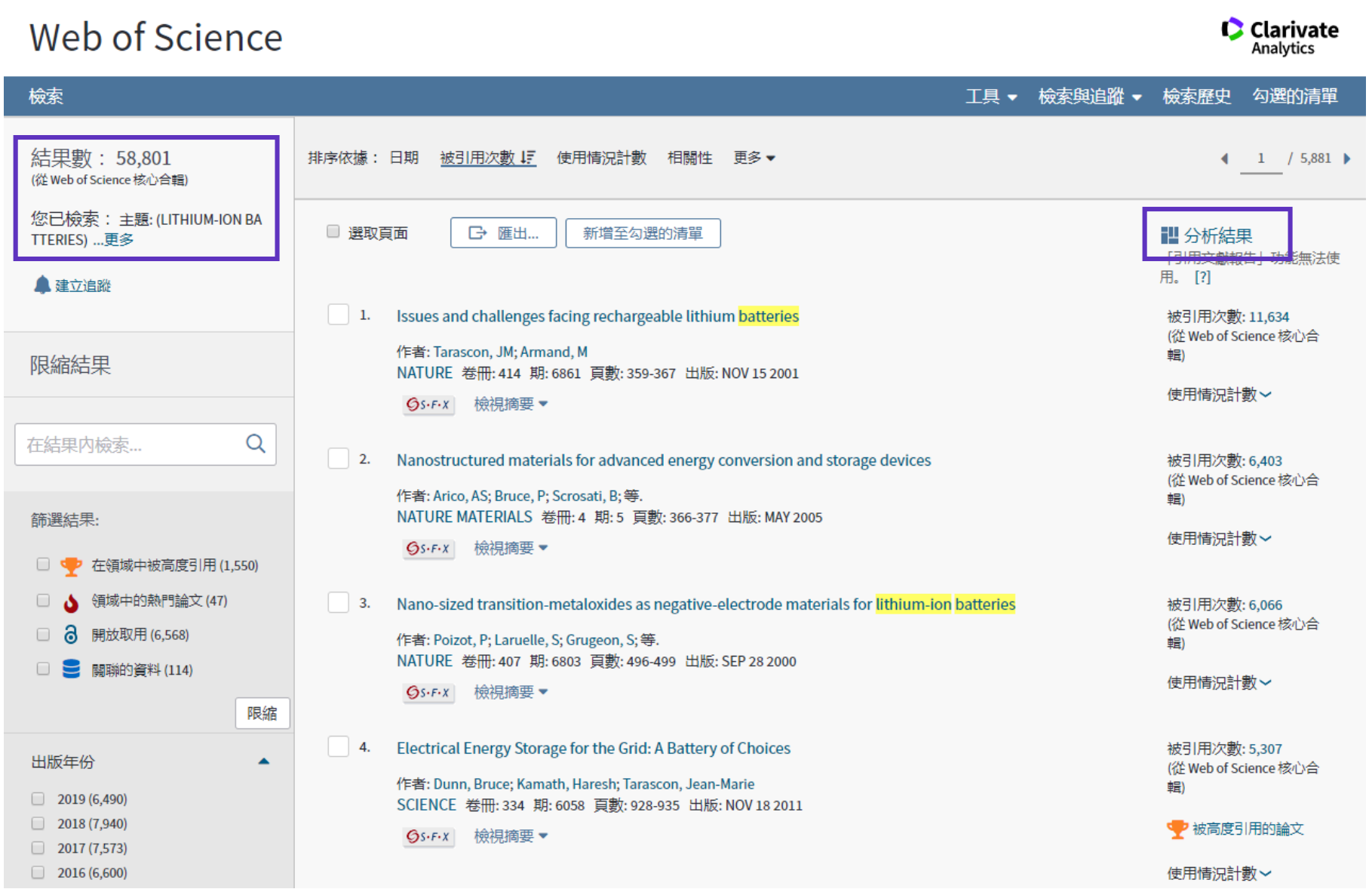

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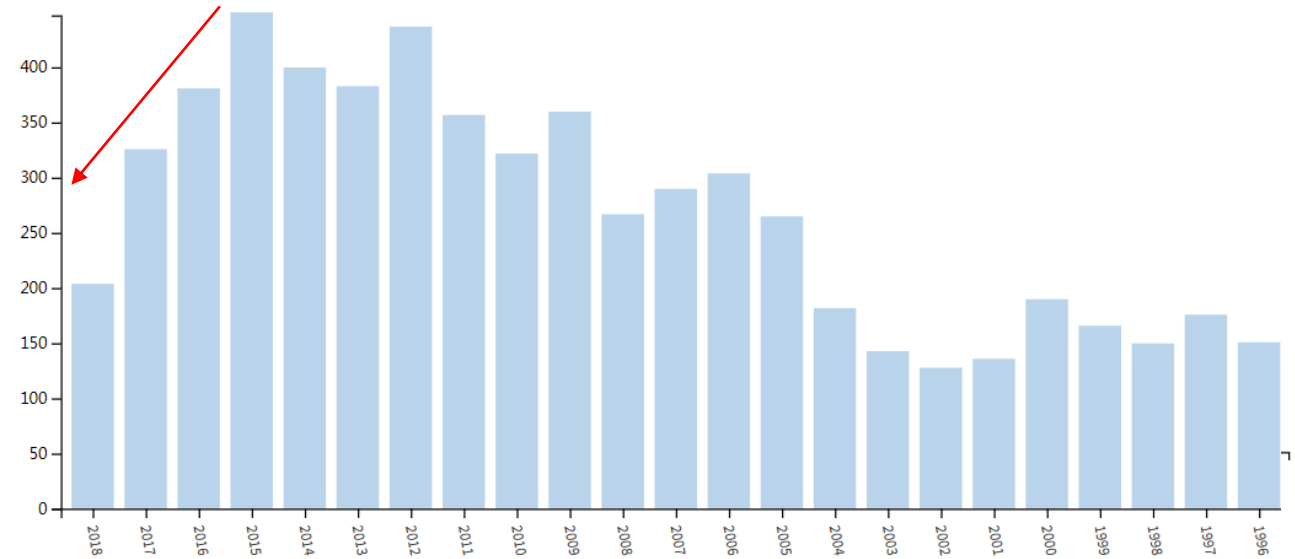

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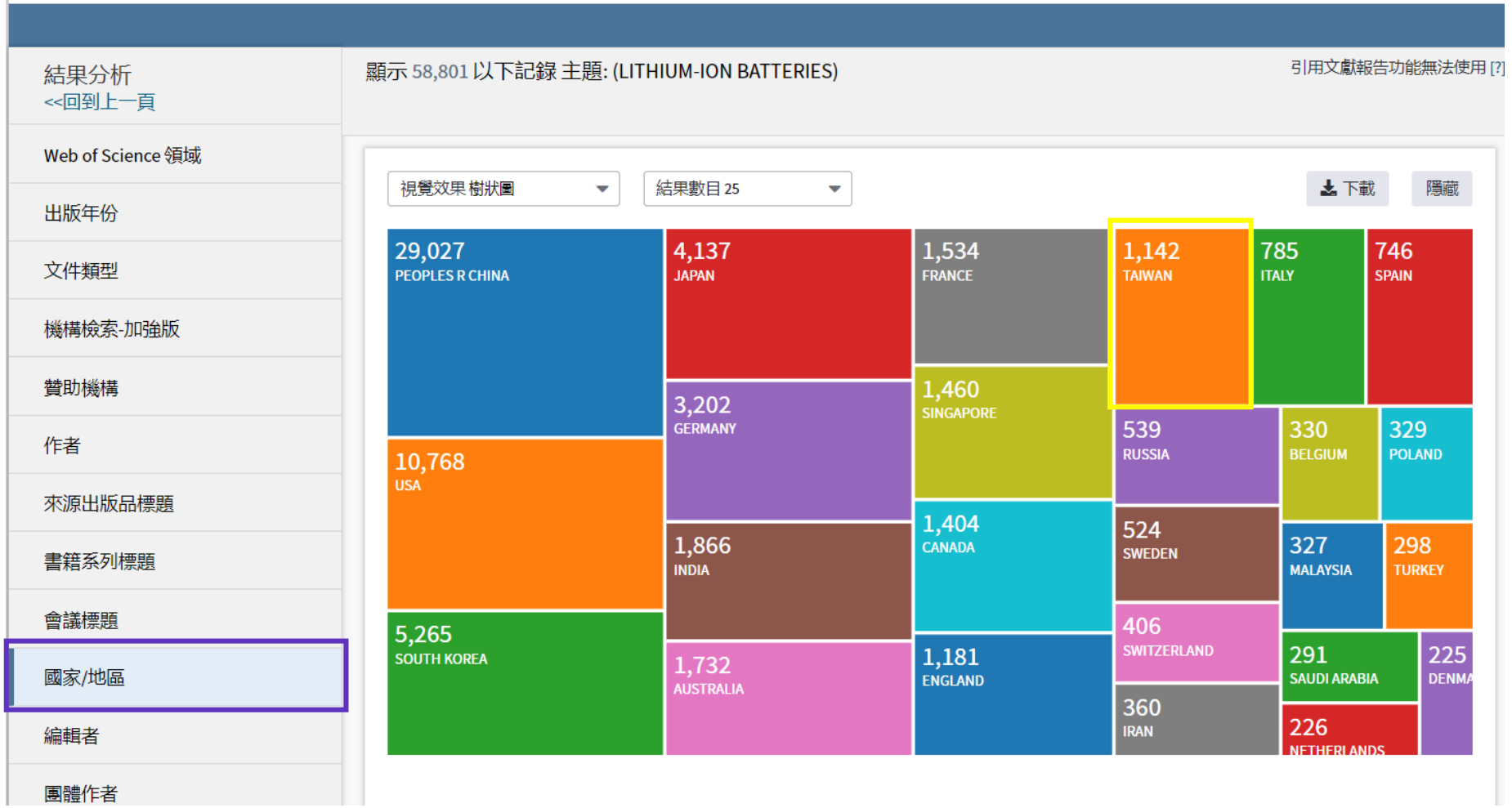

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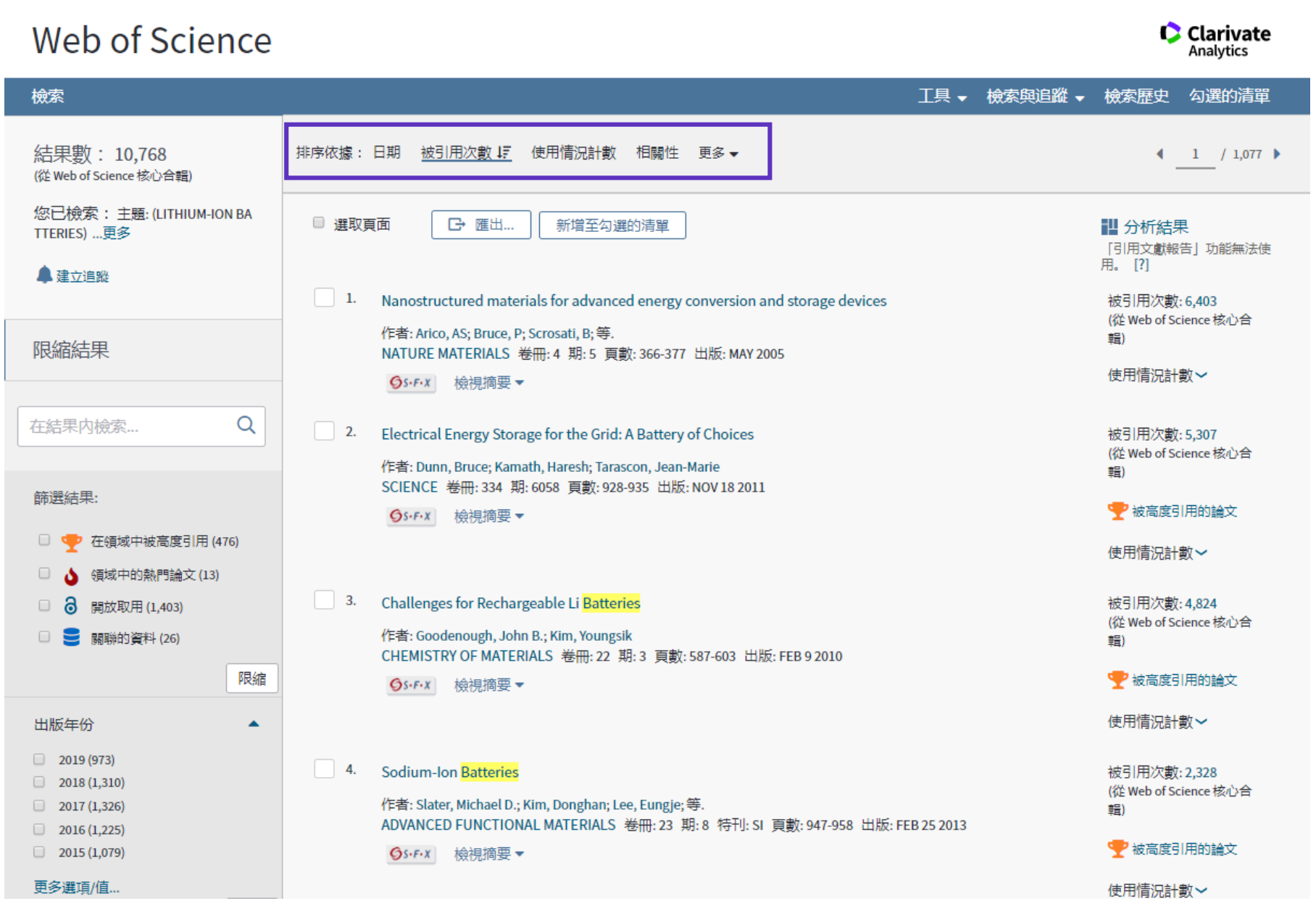

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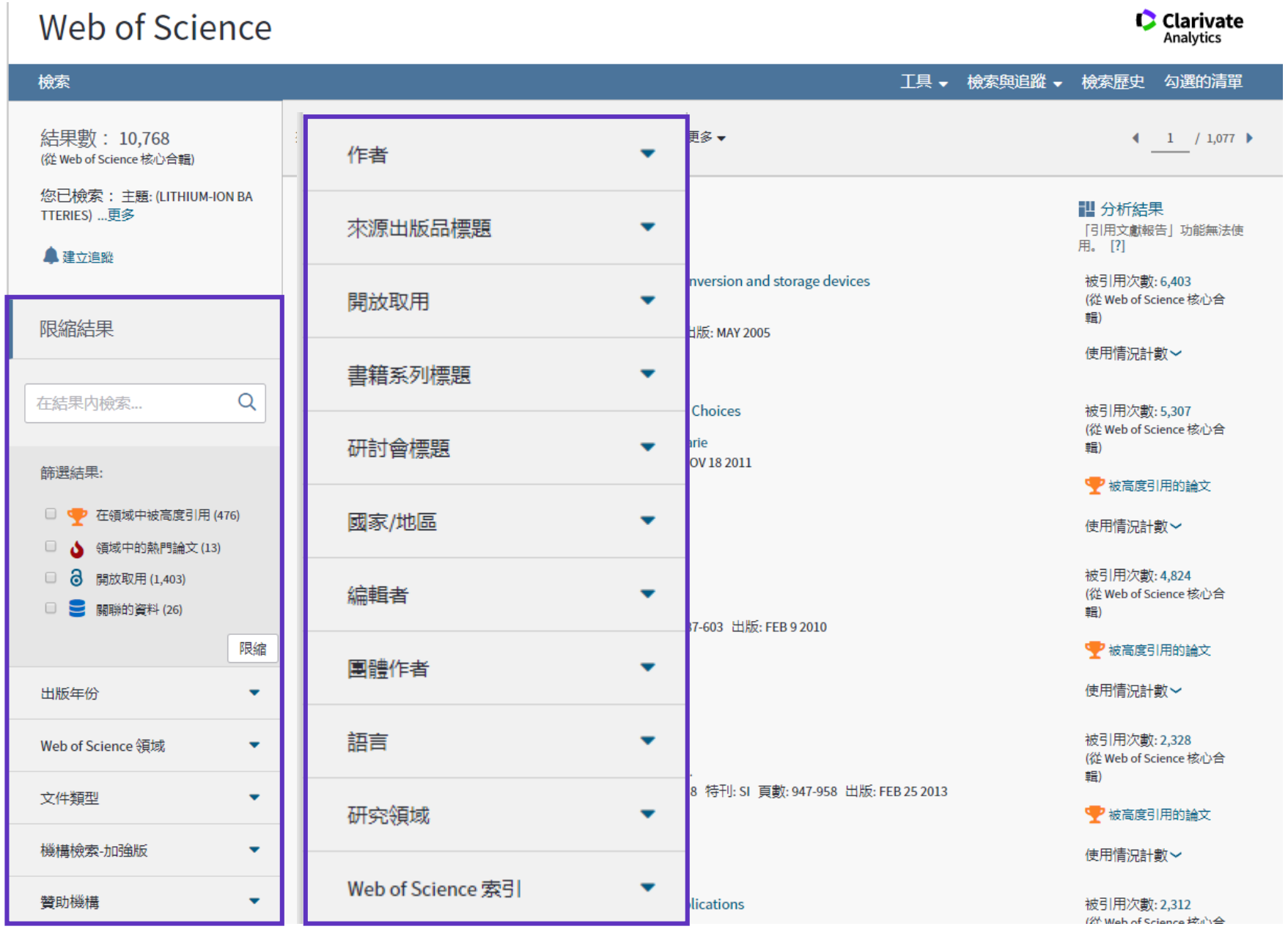

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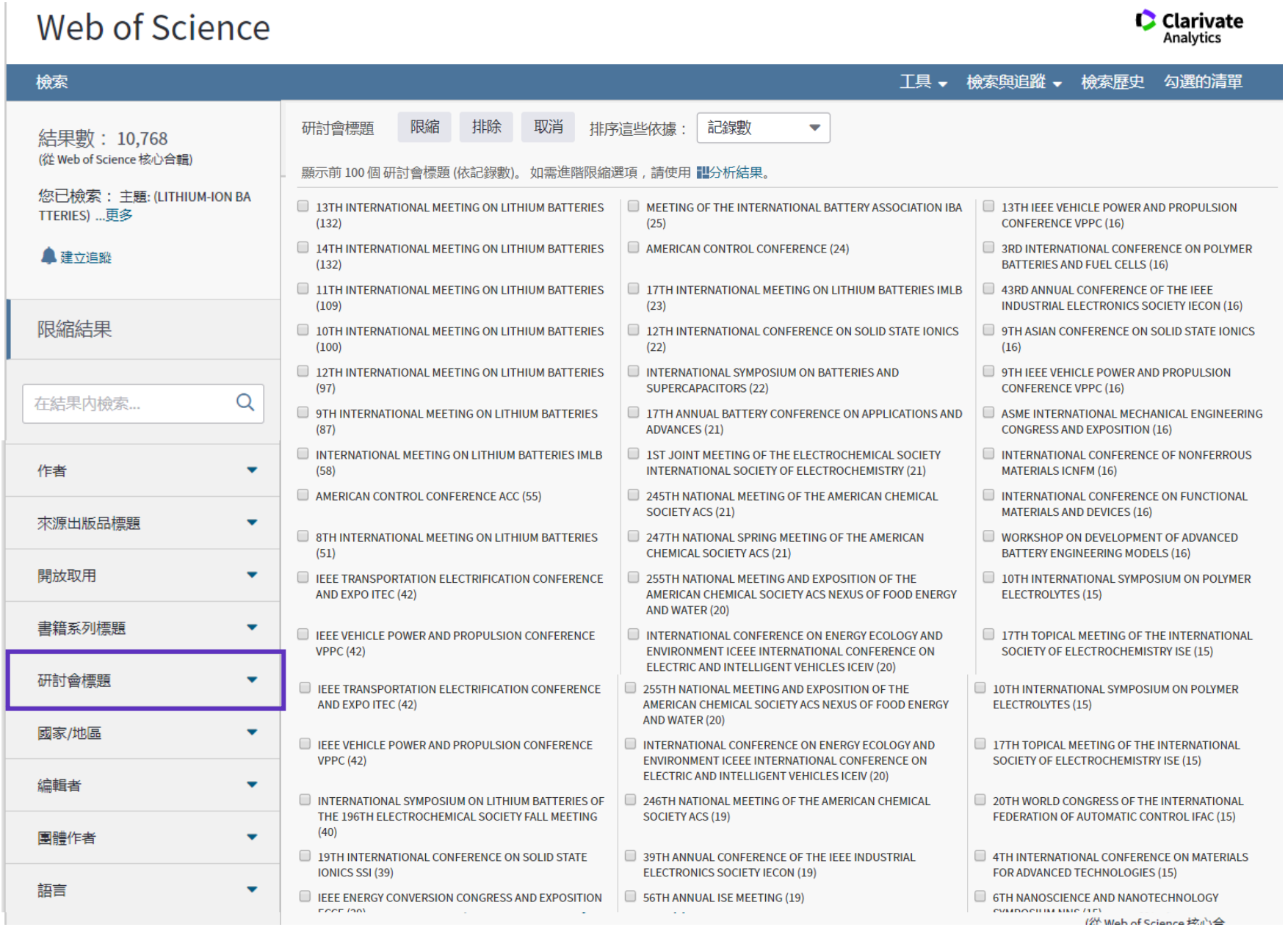

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The Effect of Electrode-Electrolyte Interface on the Electrochemical Impedance Spectra for Positive Electrode in Li-Ion Battery

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]

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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
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 in… design high-energy Li-ion batteries. While electrochemical impedance spectroscopy (EIS… in Li-ion batteries, ambiguities exist in the physical origin of EIS responses for composite e… using a three-electrode cell with a mesh-reference electrode, to avoid the effect of counter e… metric cell configuration, and composite or oxide-only working electrodes. Here we discuss t… function of voltage. The high-frequency semicircle was assigned to the impedance associate… face while the low-frequency semicircle was related to the charge transfer impedance assoc… ion intercalation/de-intercalation into/from LixCoO(2). Exposure to higher charging vo… icant change for the high-frequency component but greater resistance and greater activ… transfer impedance was attributed to the growth of EEI layers on the charged LixCoO(2) su… ylene carbonate dehydrogenation. (C) 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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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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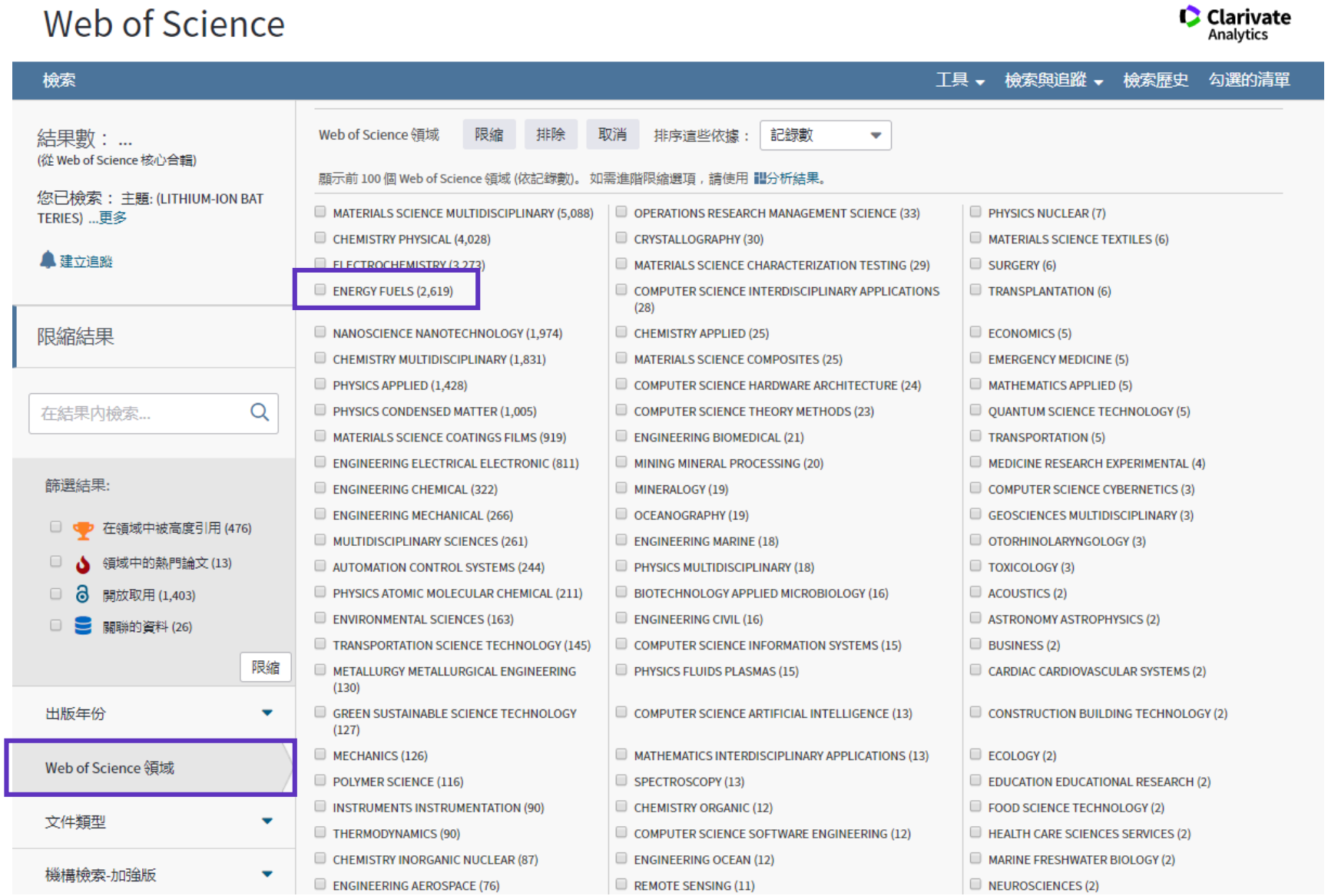

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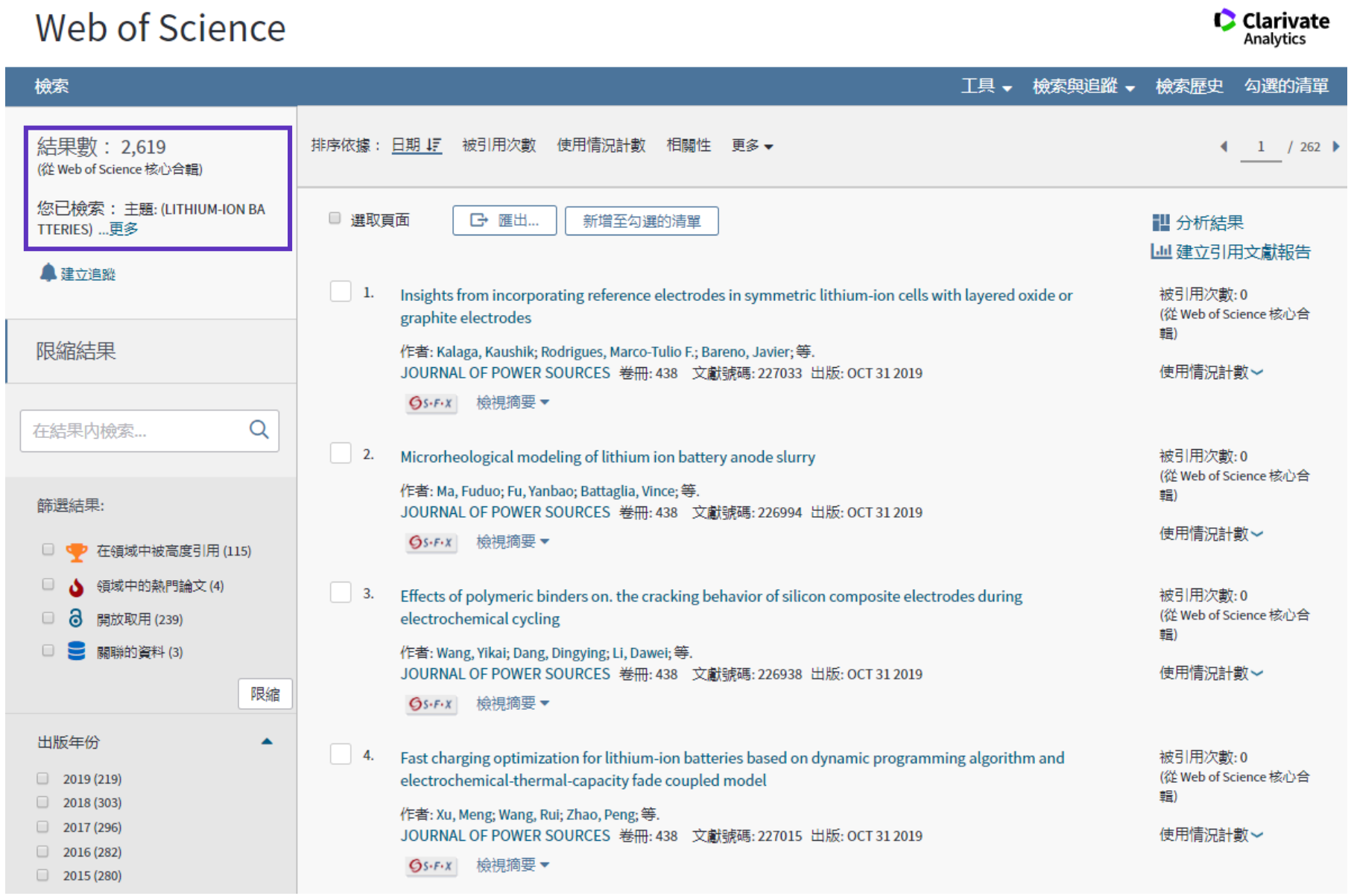

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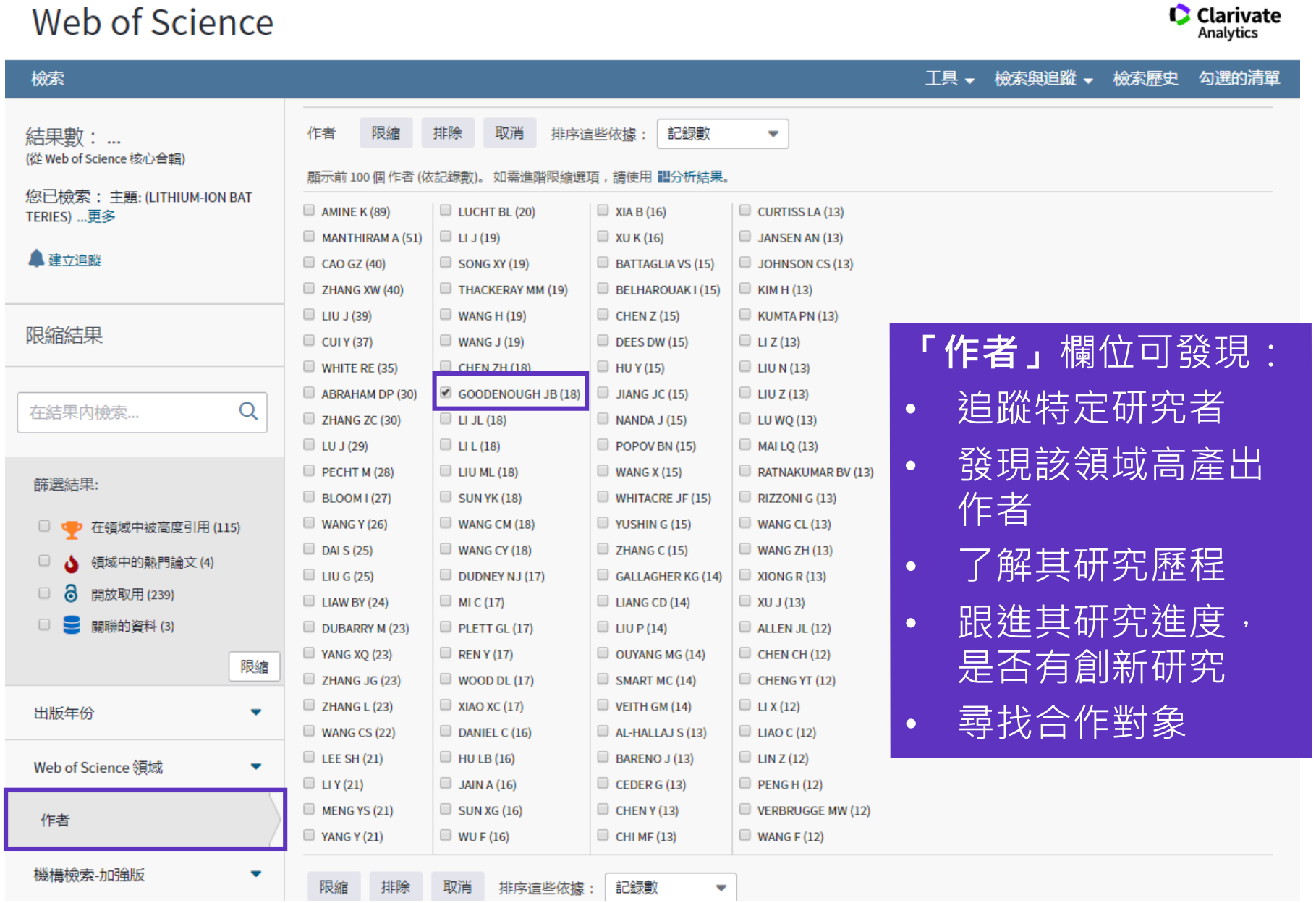

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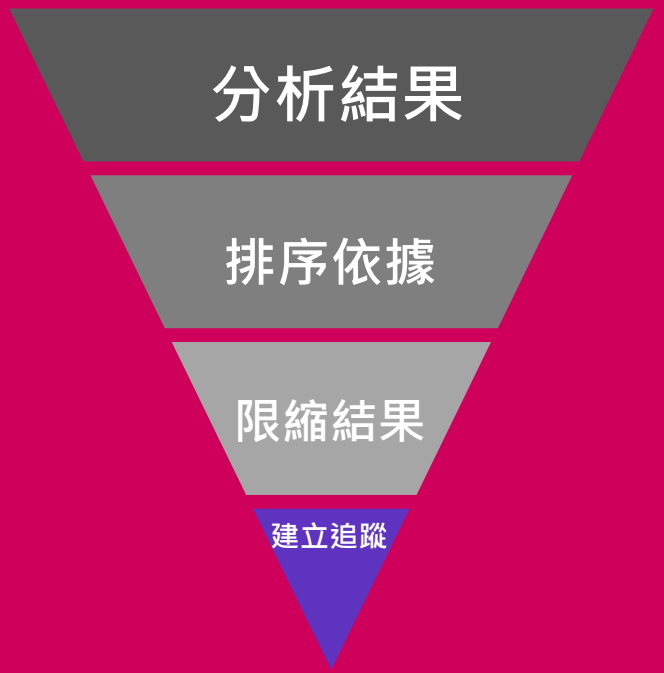

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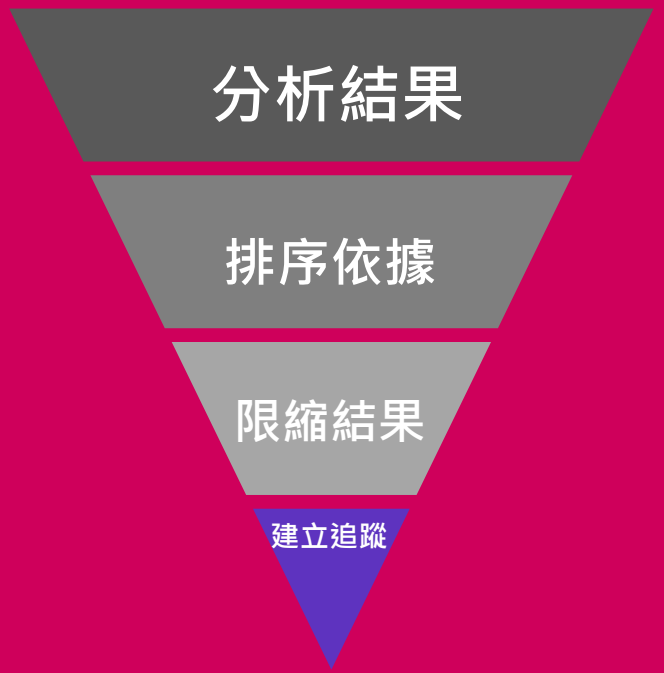

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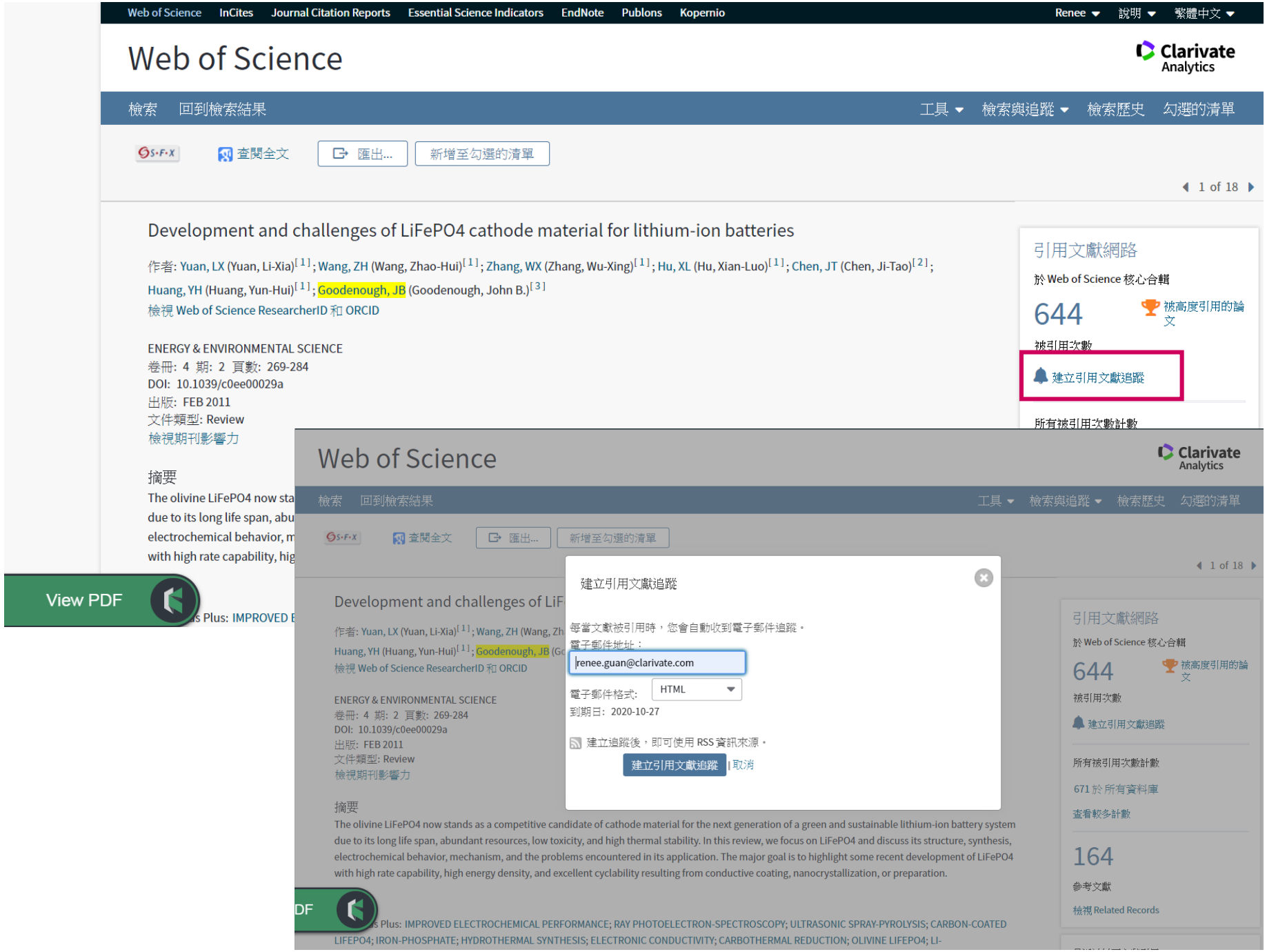

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J.-M. Tarascon & M. Armand

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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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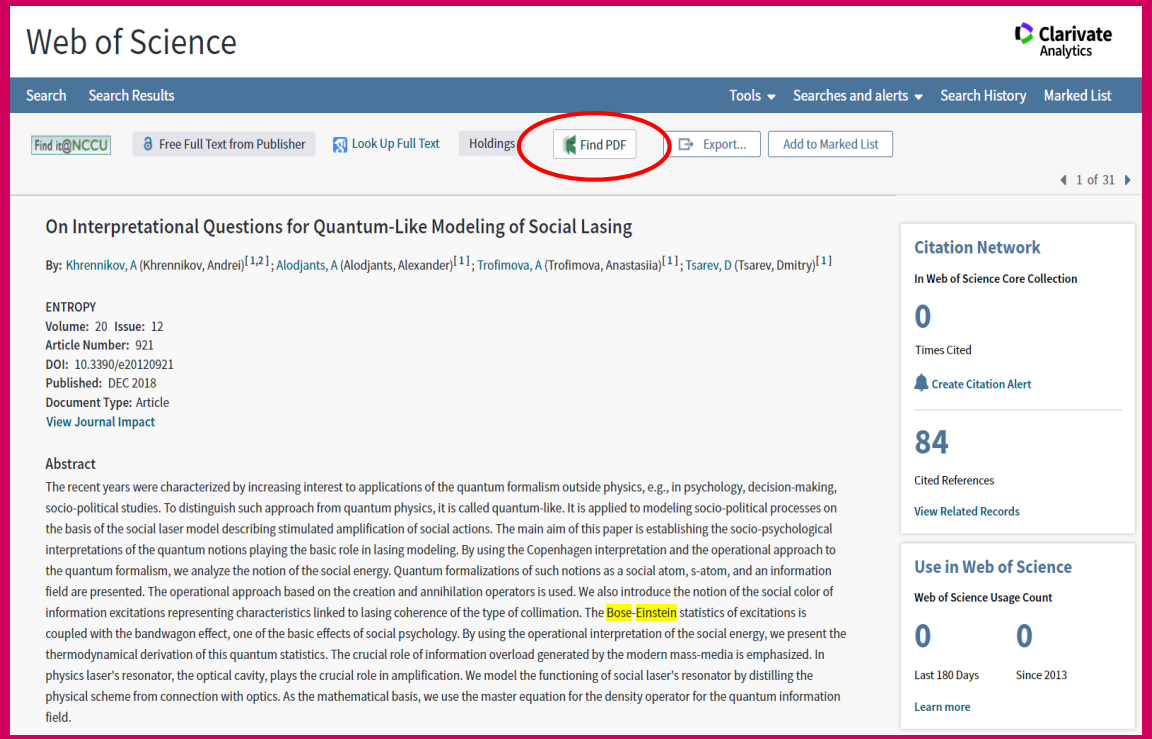

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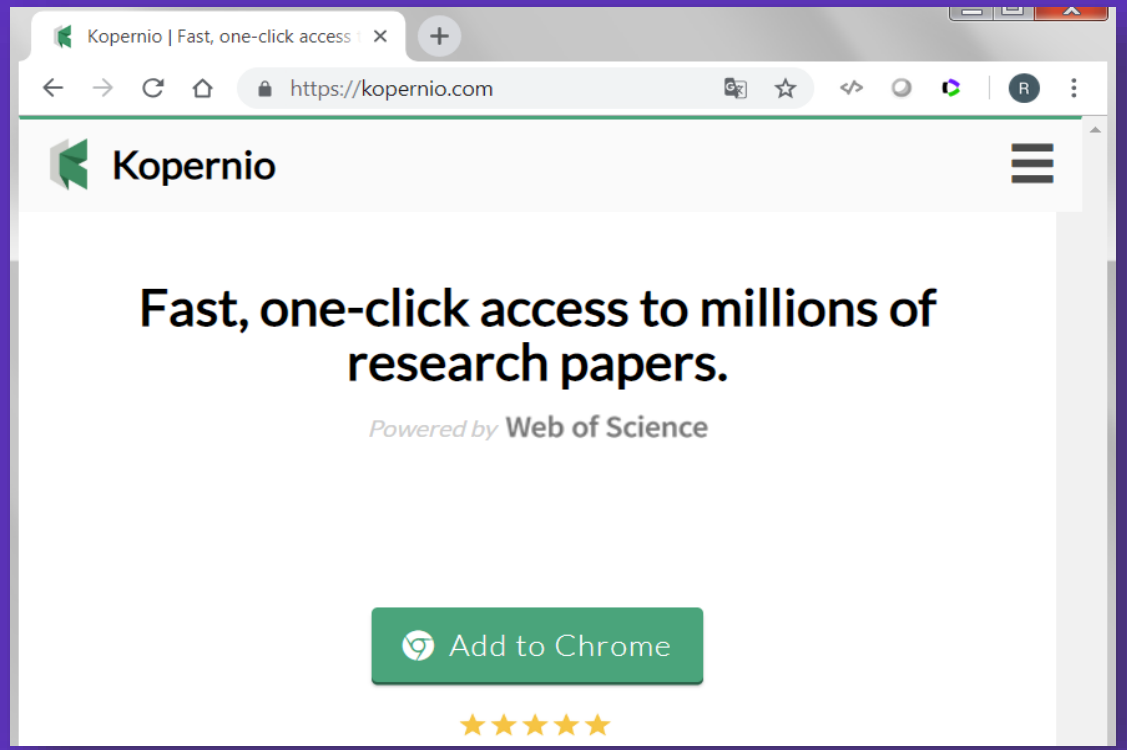

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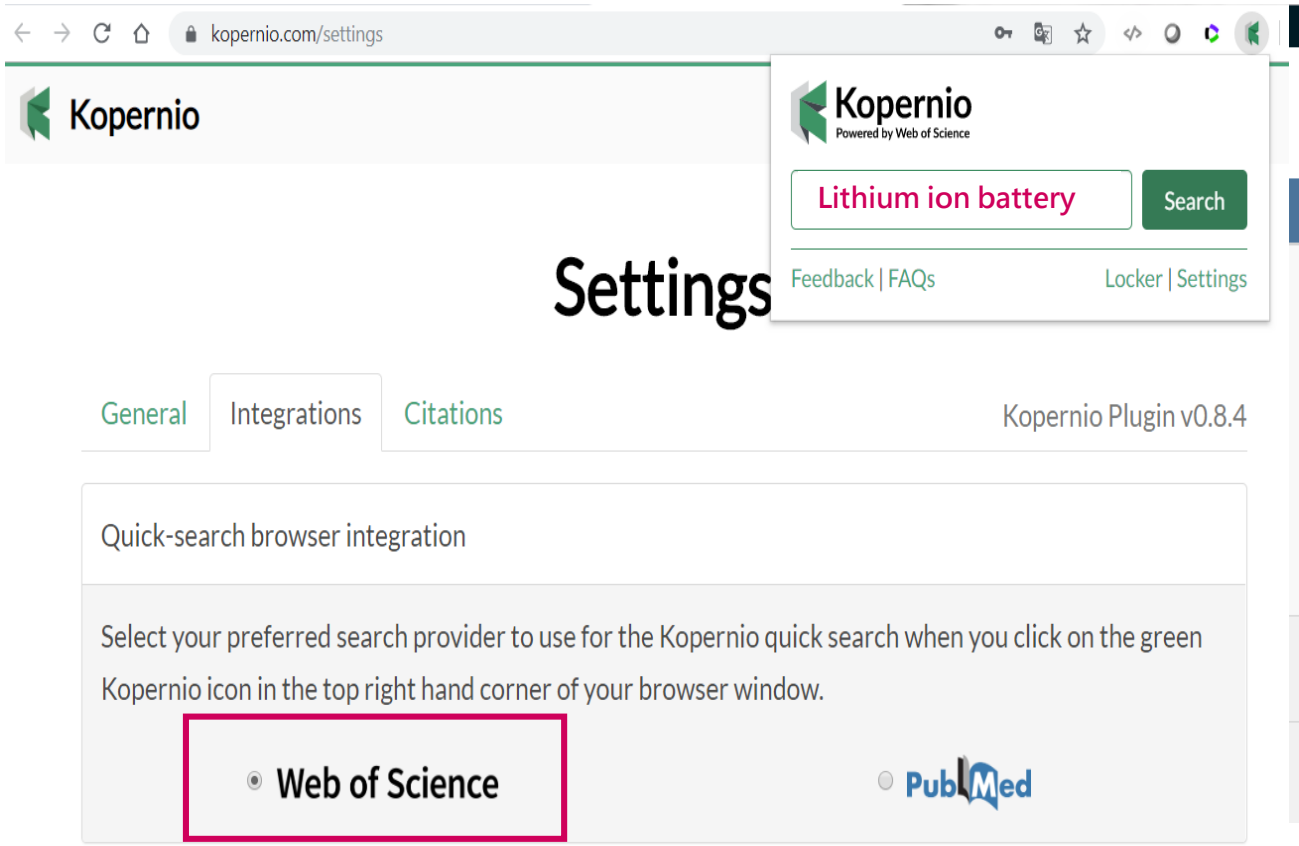

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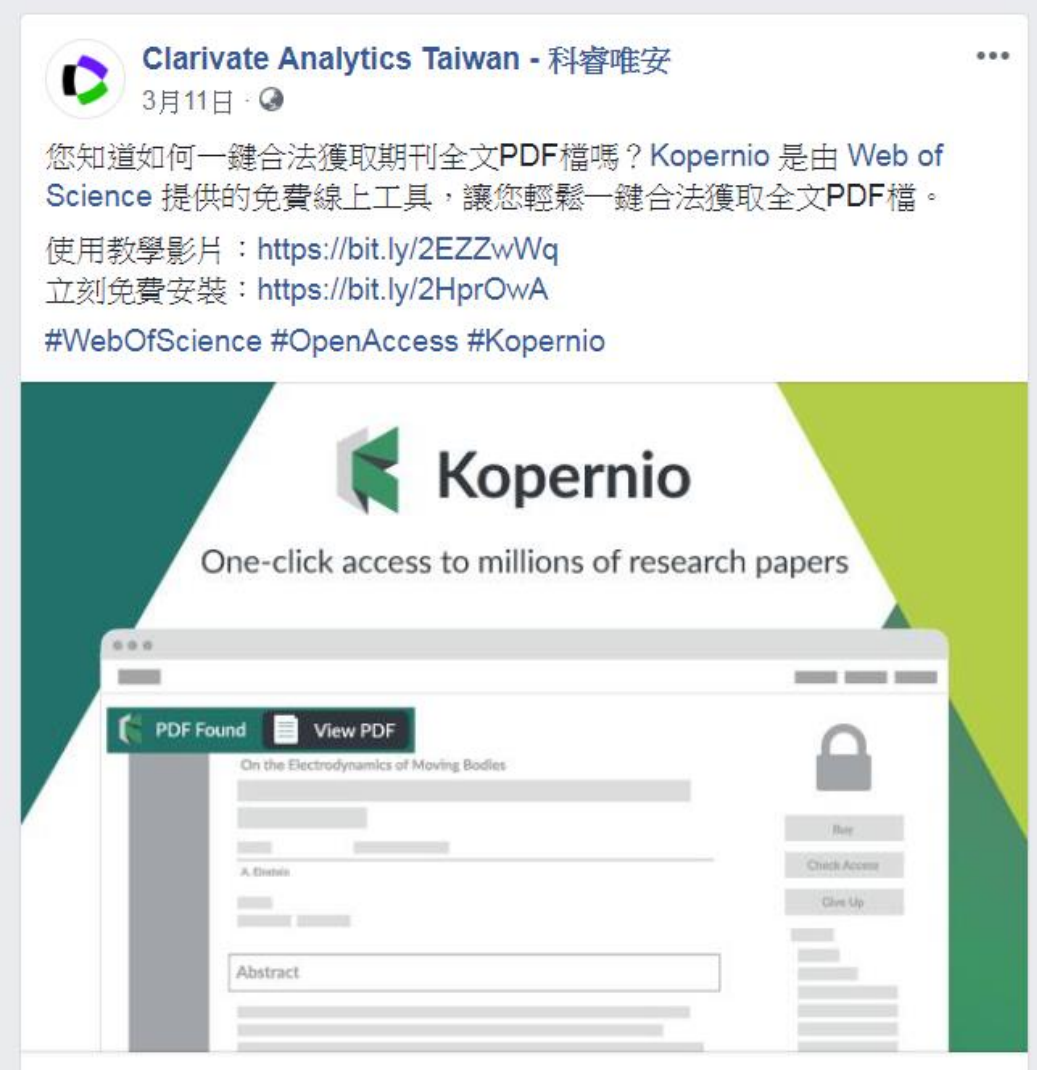

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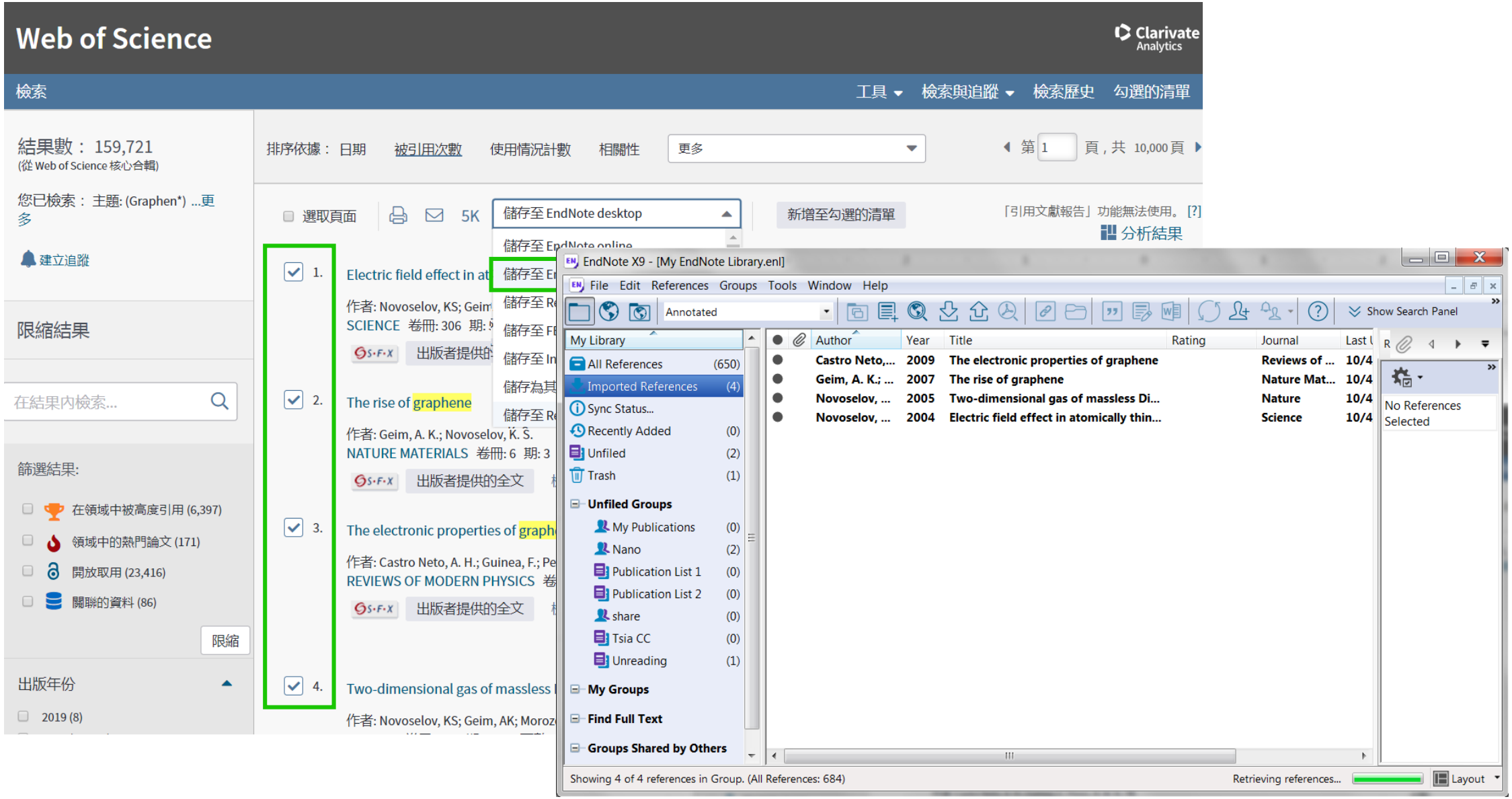

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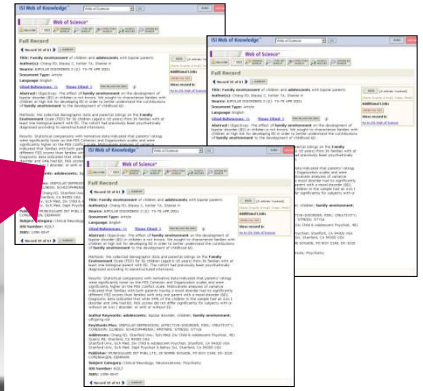

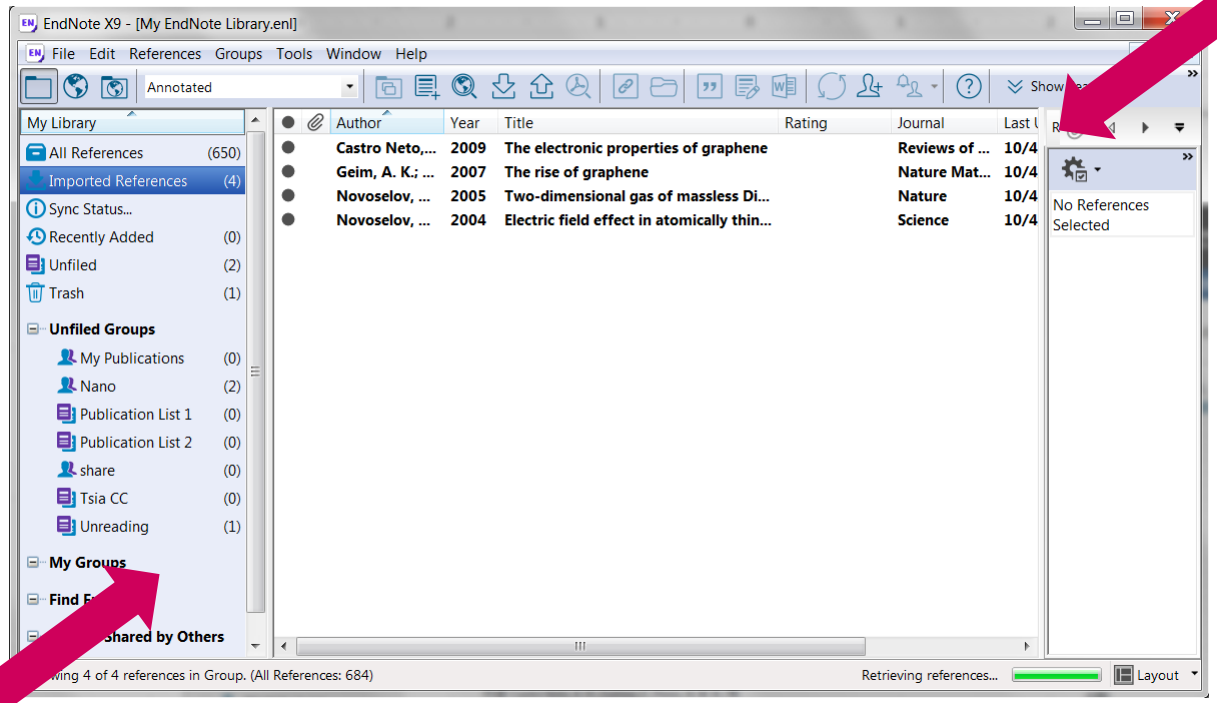

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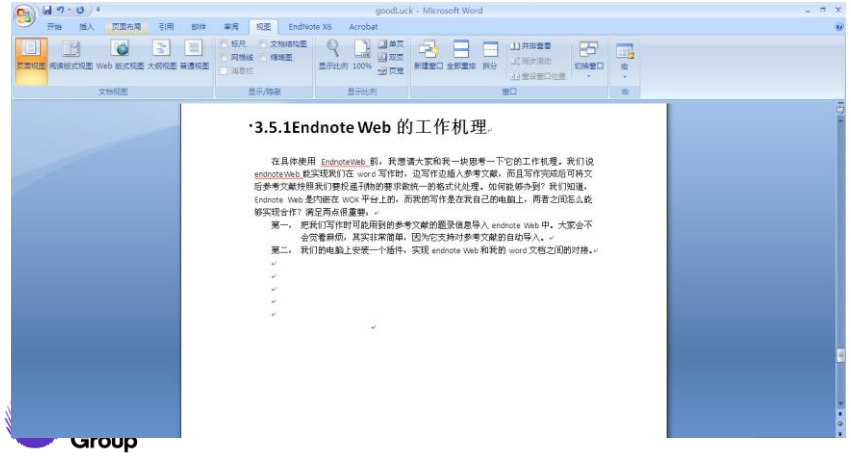

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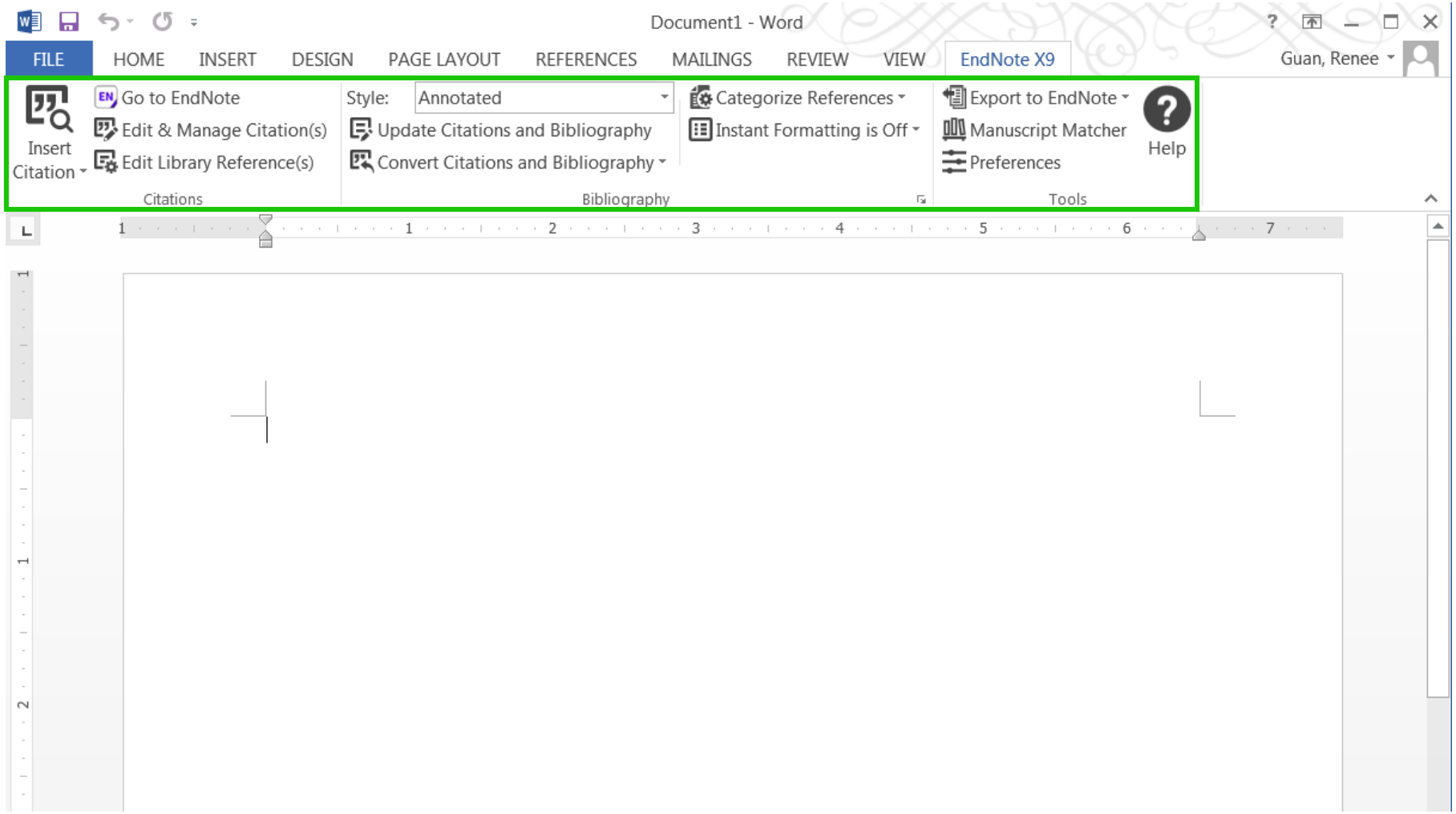

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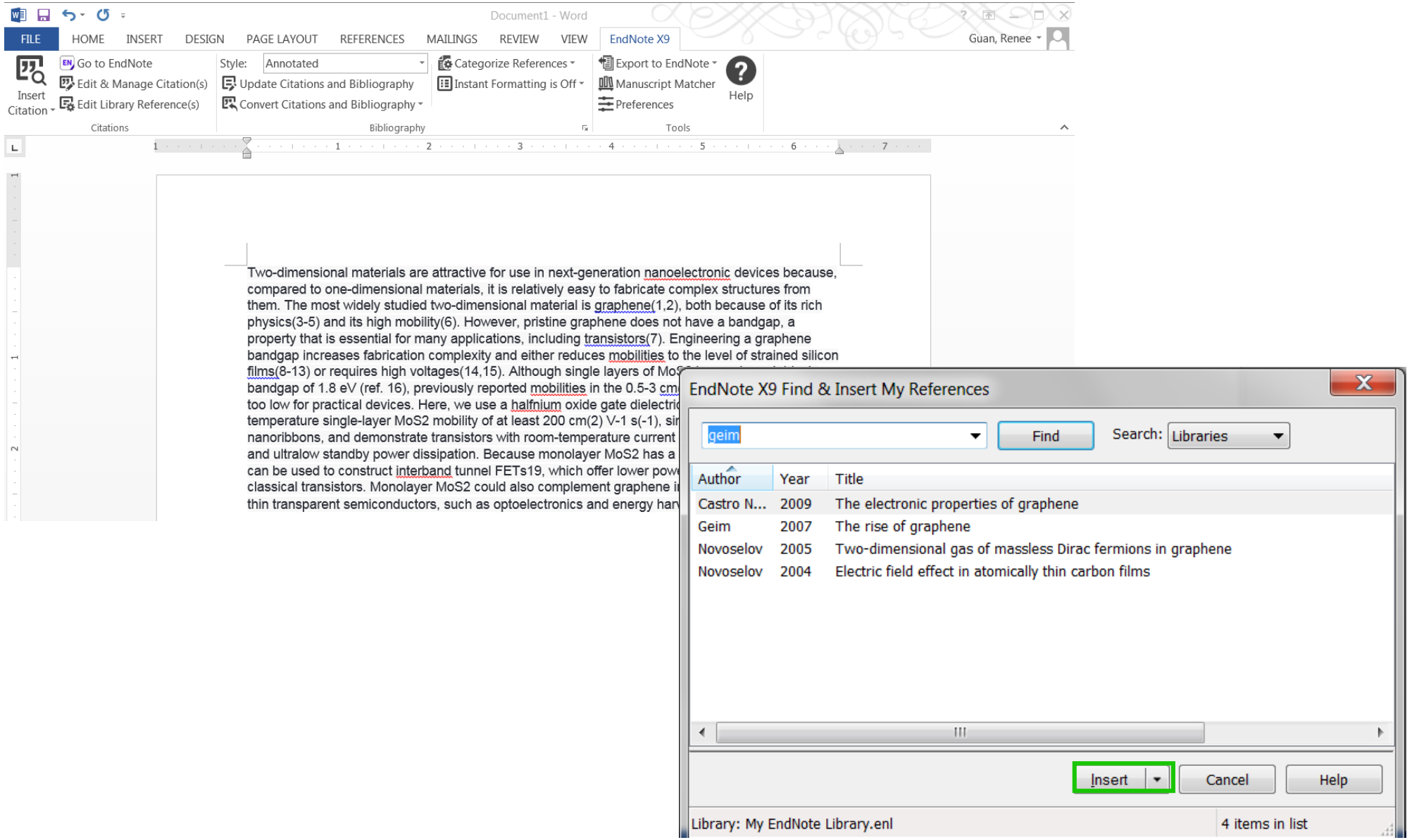

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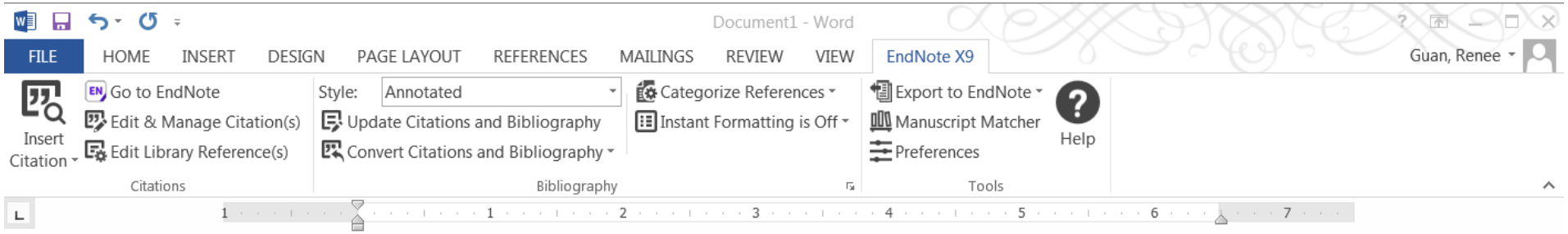


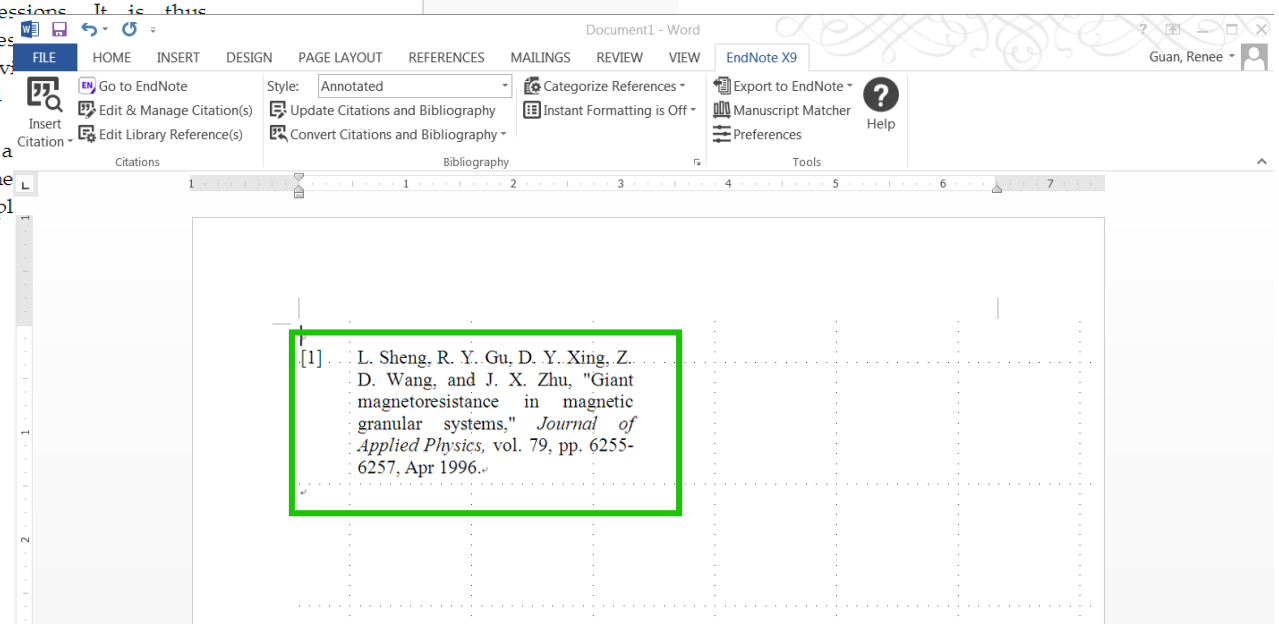
solution in curve-based subdivision surface design.

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 subdiv
given curves compared
modelling.

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



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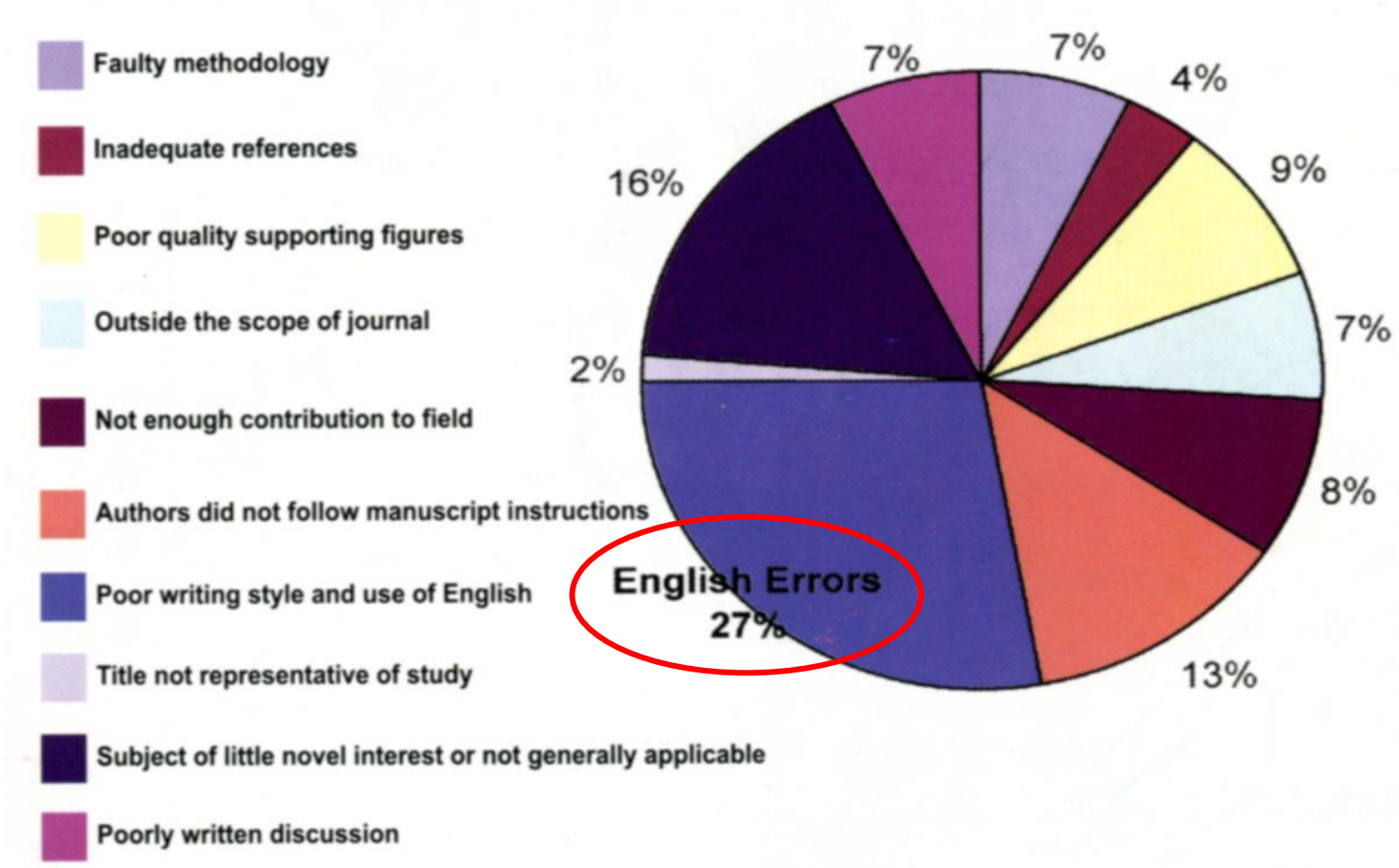

Reasons for major rejection or revision of Taiwanese research articles

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

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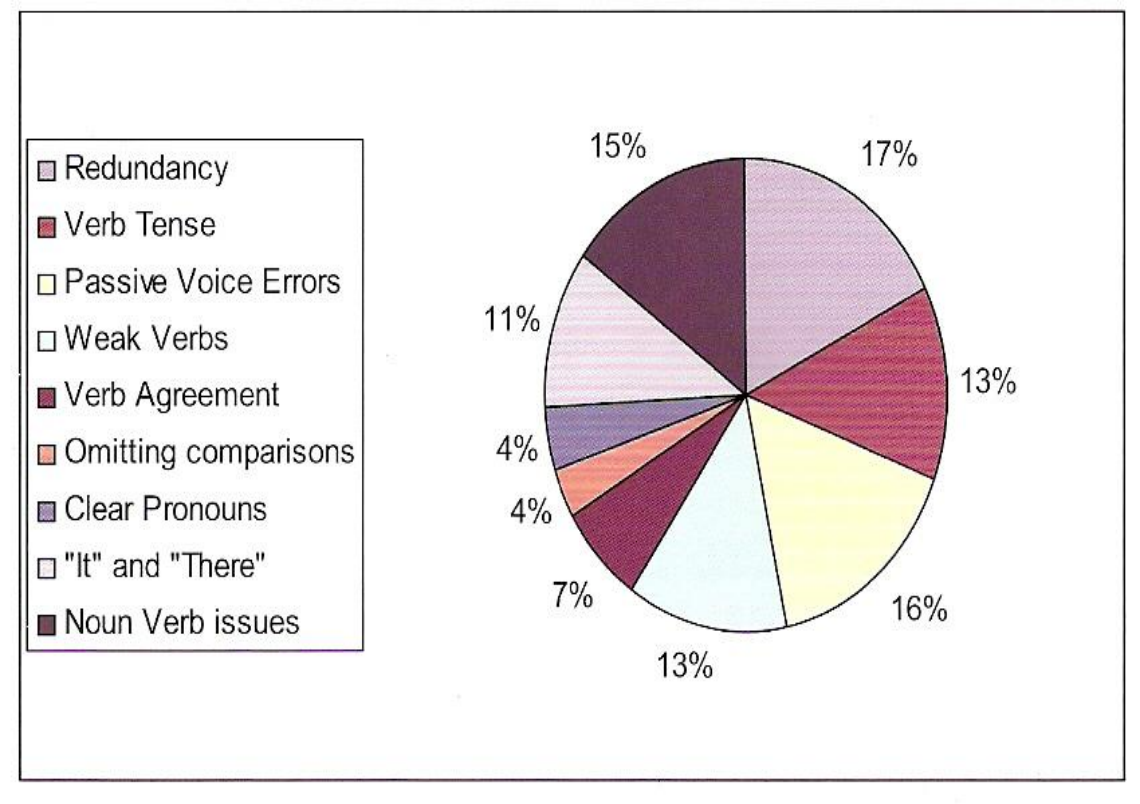

Sample taken from 64 reviewers and editor’ s comments in the Electrical and Mechanical Engineering field over 3 year period. (Individual author’ s errors will differ.)

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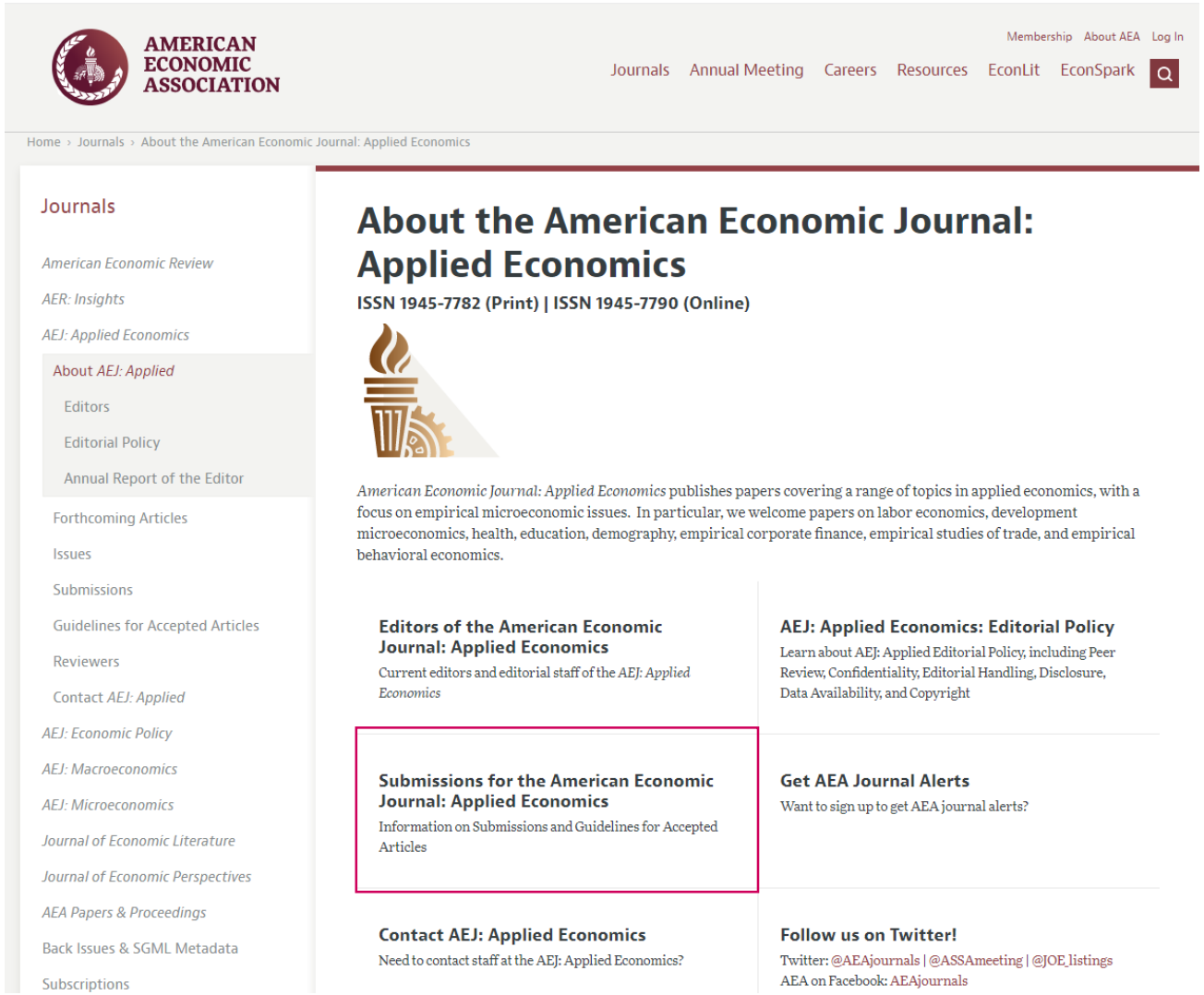

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Biointerface Res. Appl. Chem., Volume 9, Issue 2, 2019 (April 15th, 2019)

1) Method validation and determination of hydroxymethyl furfural (HMF) and furosine as indicators to recognize adulterated cow's pasteurized and sterilized milks made by partial reconstitution of skim milk powder

https://doi.org/10.33263/BRIAC92.842848

Hameed Haghani-Haghighi, Amir M. Mortazavian, Hedayat Hosseini, Abdorreza Mohammadi, Saeedeh Shojaee-Aliabadi, Kianoush Khosravi-Darani, Nasim Khorshidian

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2) Oral delivery of proteins and peptides by mucoadhesive nanoparticles

https://doi.org/10.33263/BRIAC92.849852

Simin Sharifi, Amir Abbas Samani, Elham Ahmadian, Aziz Eftekhari, Hossein Derakhshankhah, Samira Jafari, Masumeh Mokhtarpour, Sepideh Zununi Vahed, Sara Salatin, Solmaz Maleki Dizaj

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DOI: 10.25125/agriculture-journal

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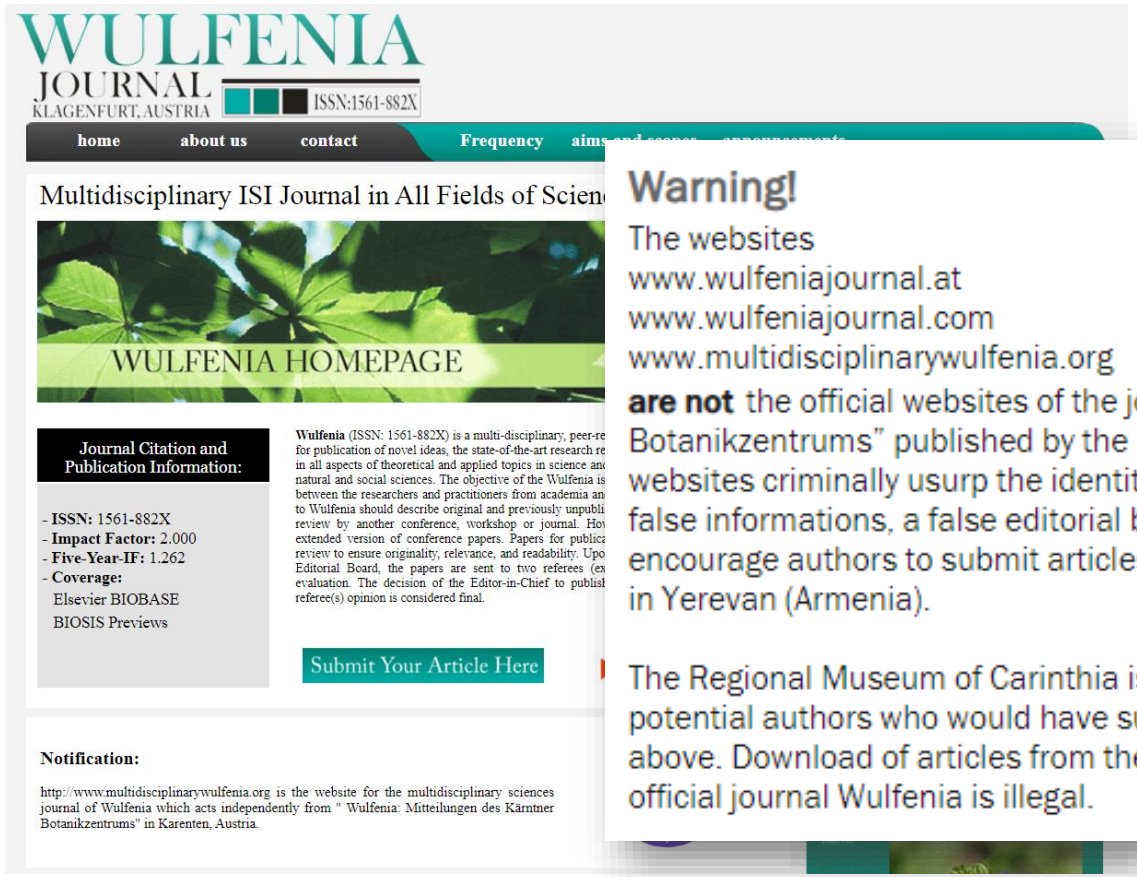

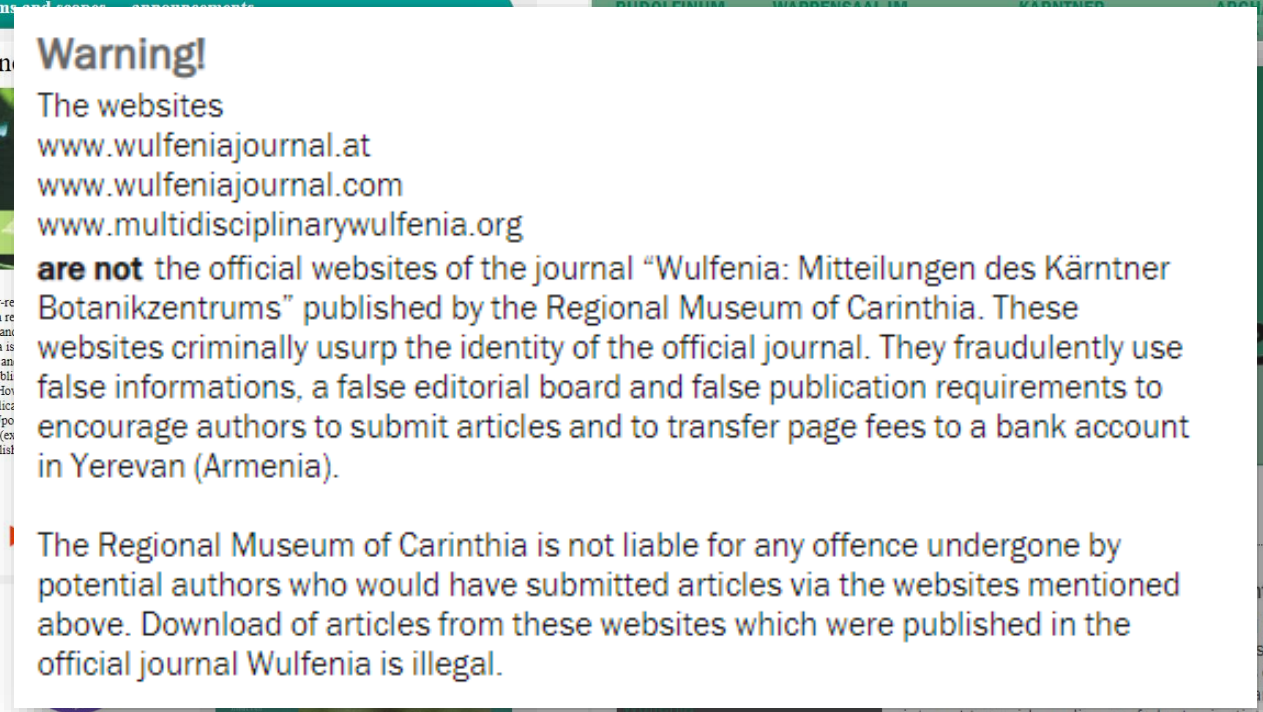

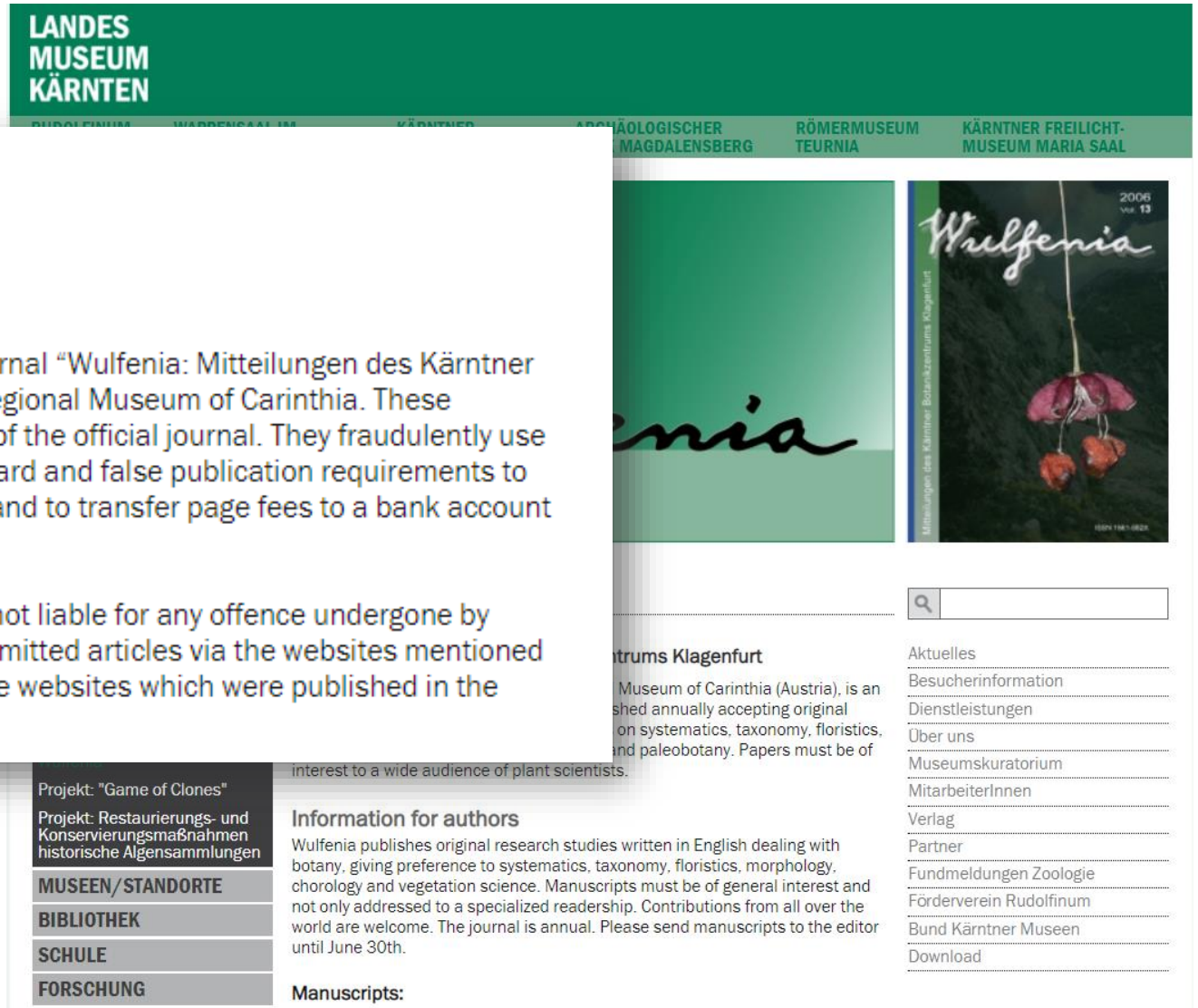

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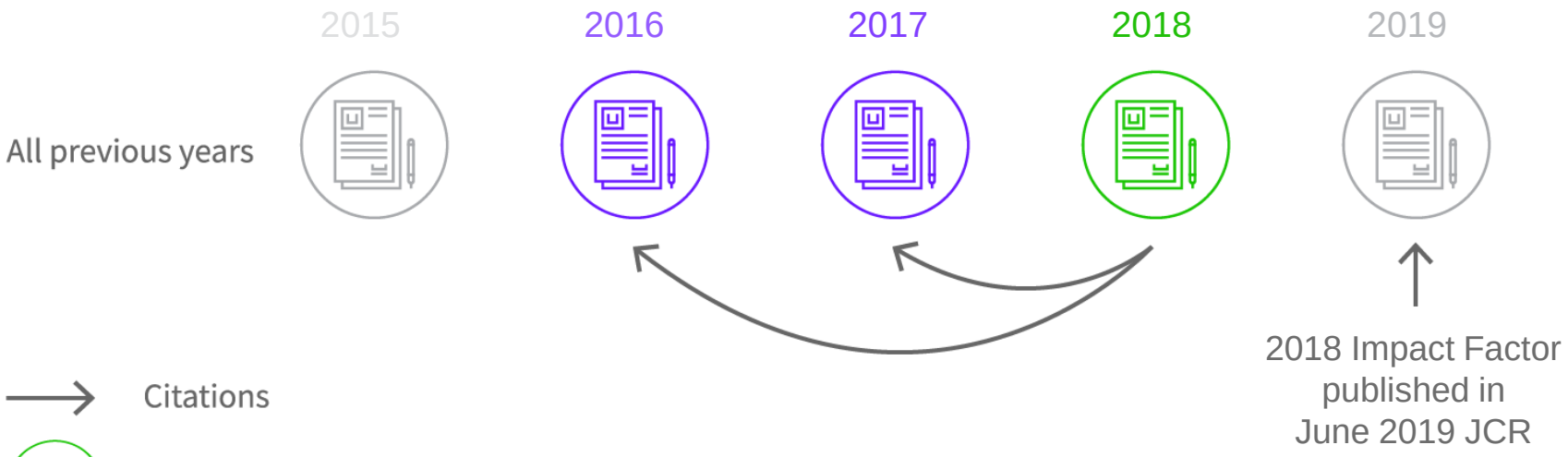

$$\text{2018 Impact Factor} = \frac{\text{2018 citations to 2017 and 2016 content}}{\text{Total \# citable items published in 2016 and 2017}}$$

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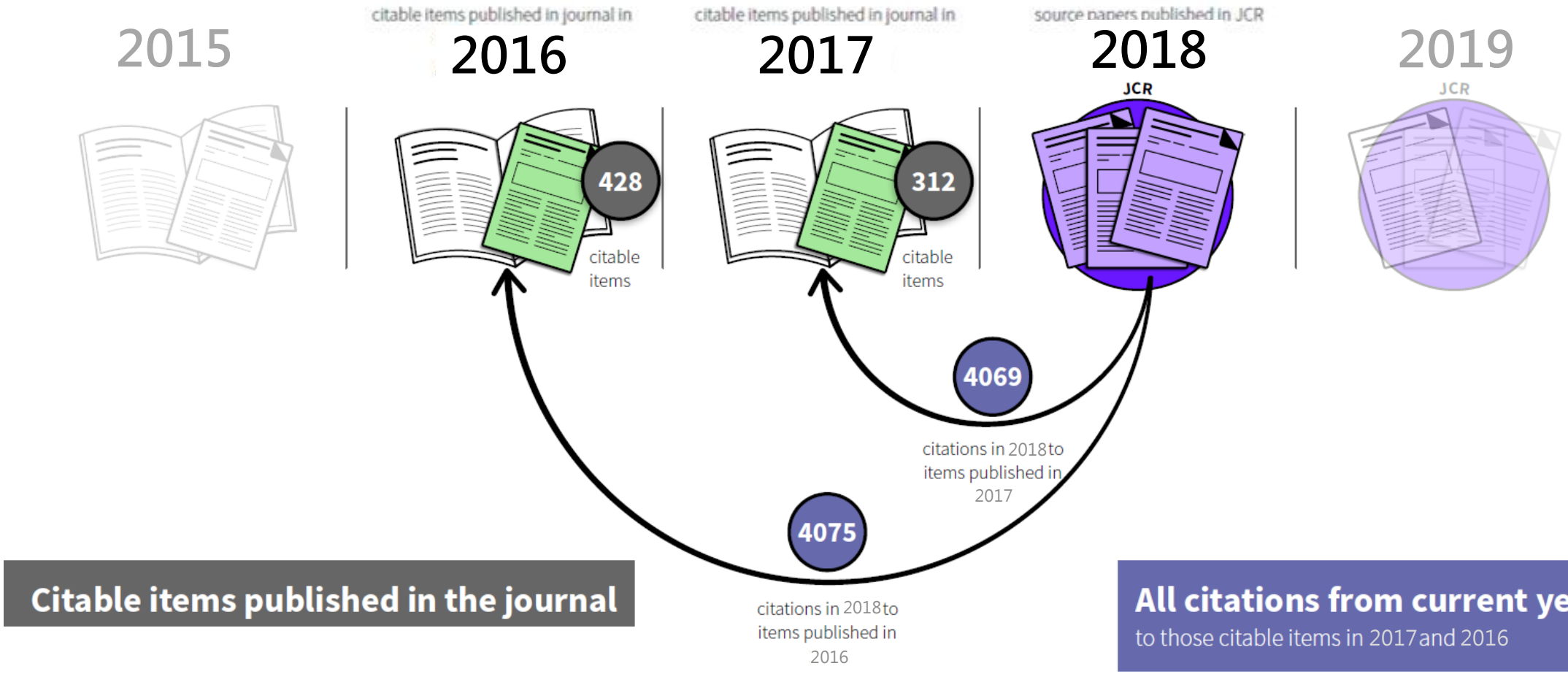
影響因子(Impact Factor) 的計算方式



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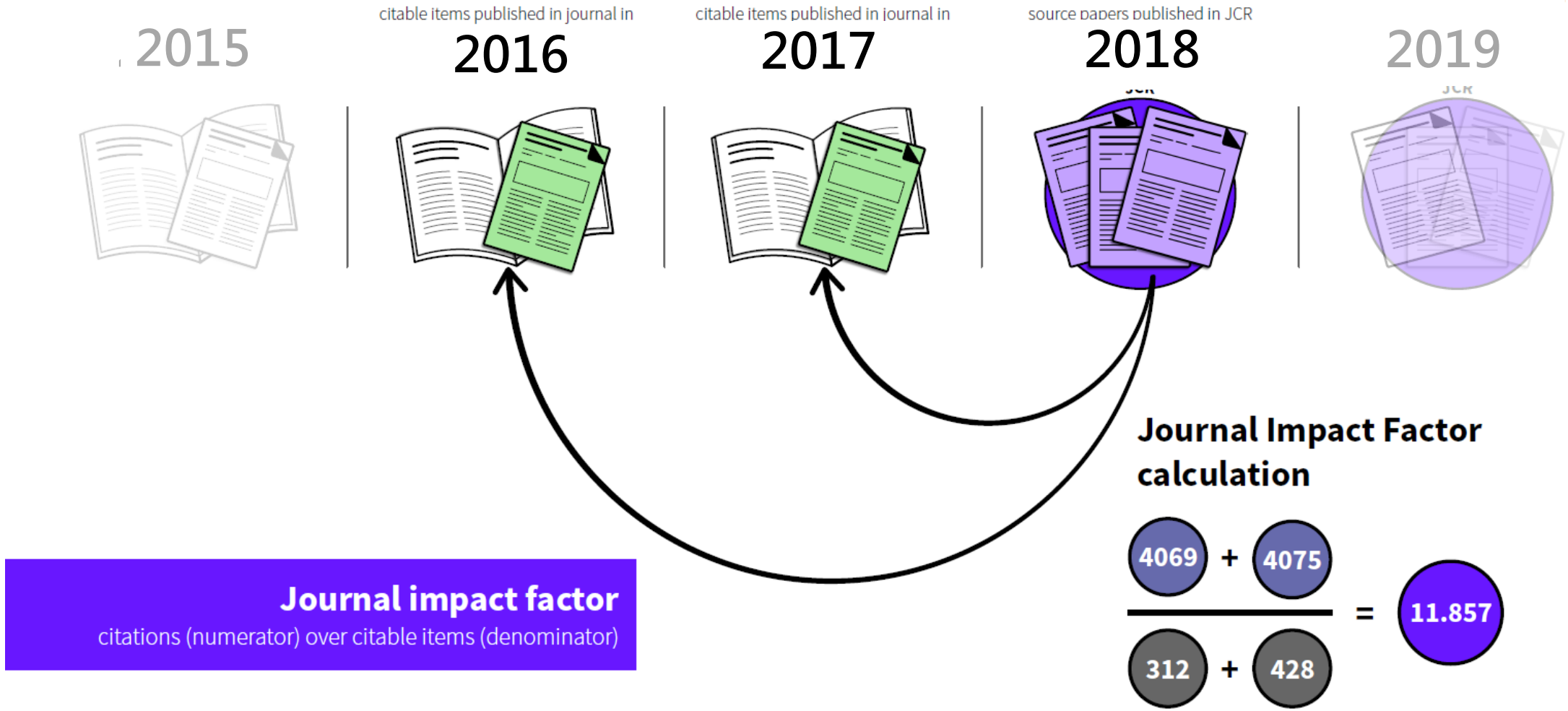

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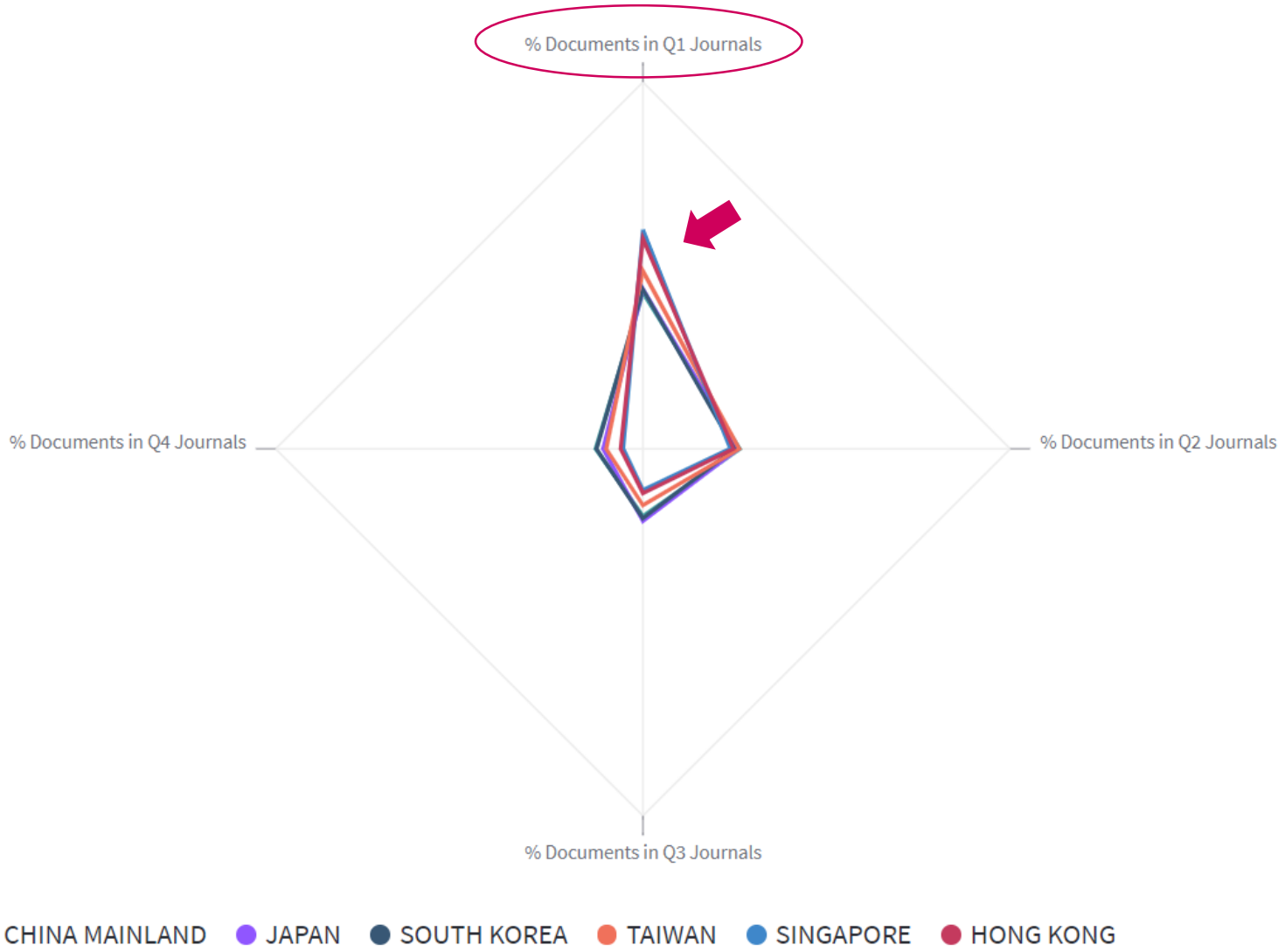
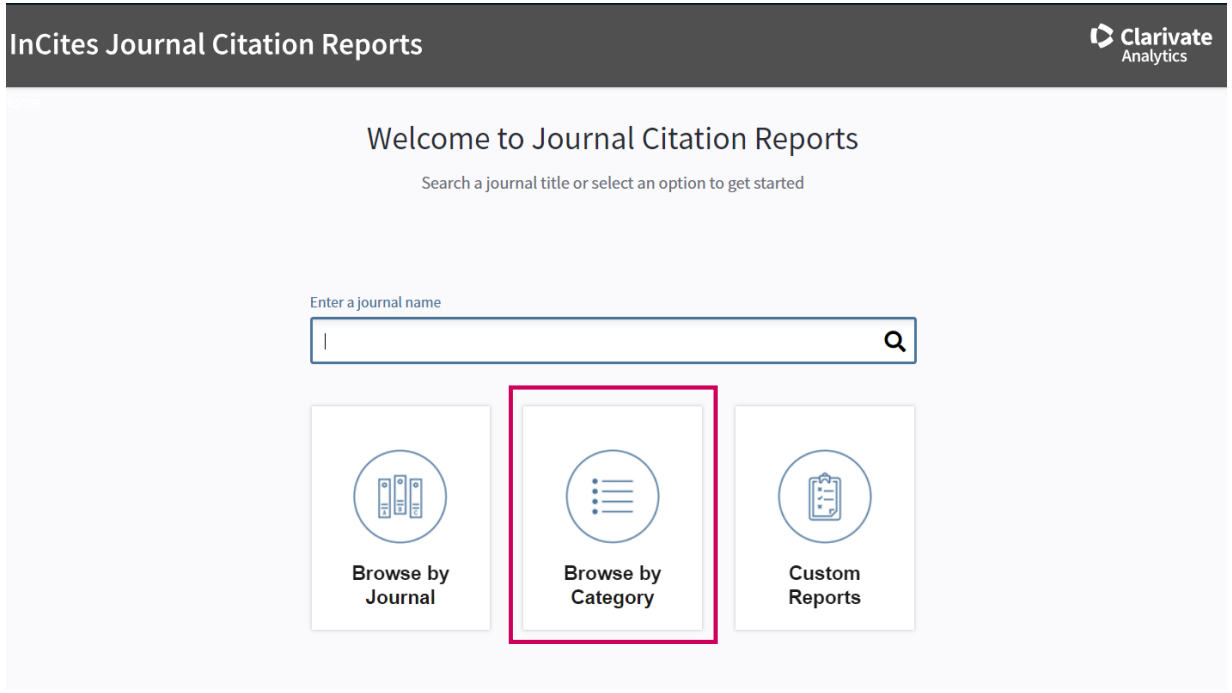


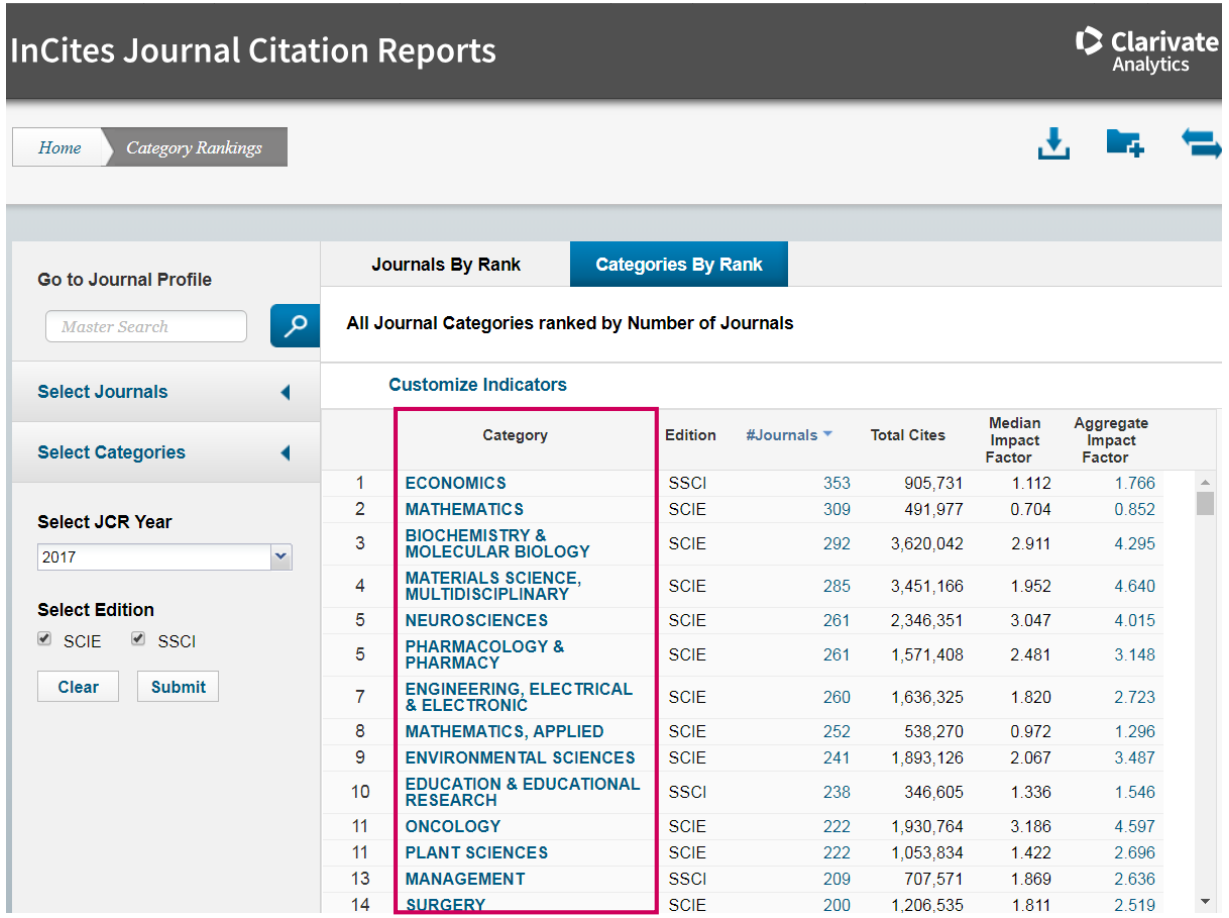
周邊國家投稿傾向

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





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JCR –善用多樣化的期刊指數

InCites Journal Citation Reports — Clarivate Analytics

Home > Journal Profile

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

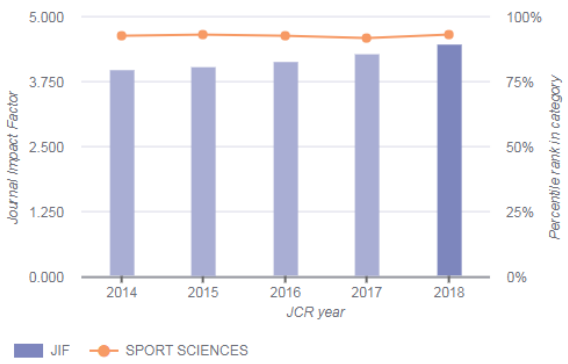
Current Year 2017 All Years

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

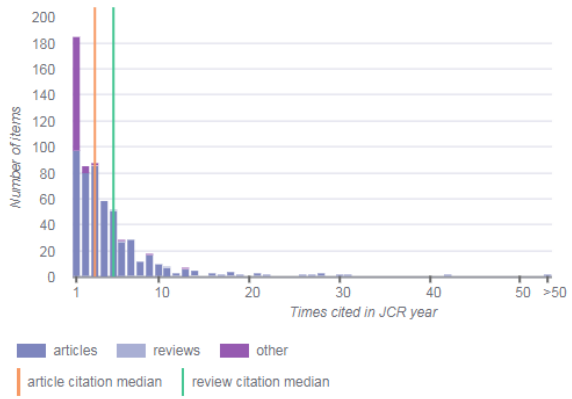
4.478
2018 Journal Impact Factor



Citation distribution 2018

Printable Version

3 Article citation median **5** 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		
Total Cites	36,988	✓Trend
Journal Impact Factor	4.478	Trend
5 Year Impact Factor	4.883	Trend
Immediacy Index	1.180	Trend
Impact Factor Without Journal Self Cites	4.195	Trend

INFLUENCE METRICS		
Eigenfactor Score	0.02897	Trend
Article Influence Score	1.496	Trend
Normalized Eigenfactor	3.44705	Trend

SOURCE METRICS		
Citable Items	294	Trend
% Articles in Citable Items	98.98	Trend
Average JIF Percentile	93.373	Trend
Cited Half-Life	10.1	Trend
Citing Half-Life	8.4	Trend

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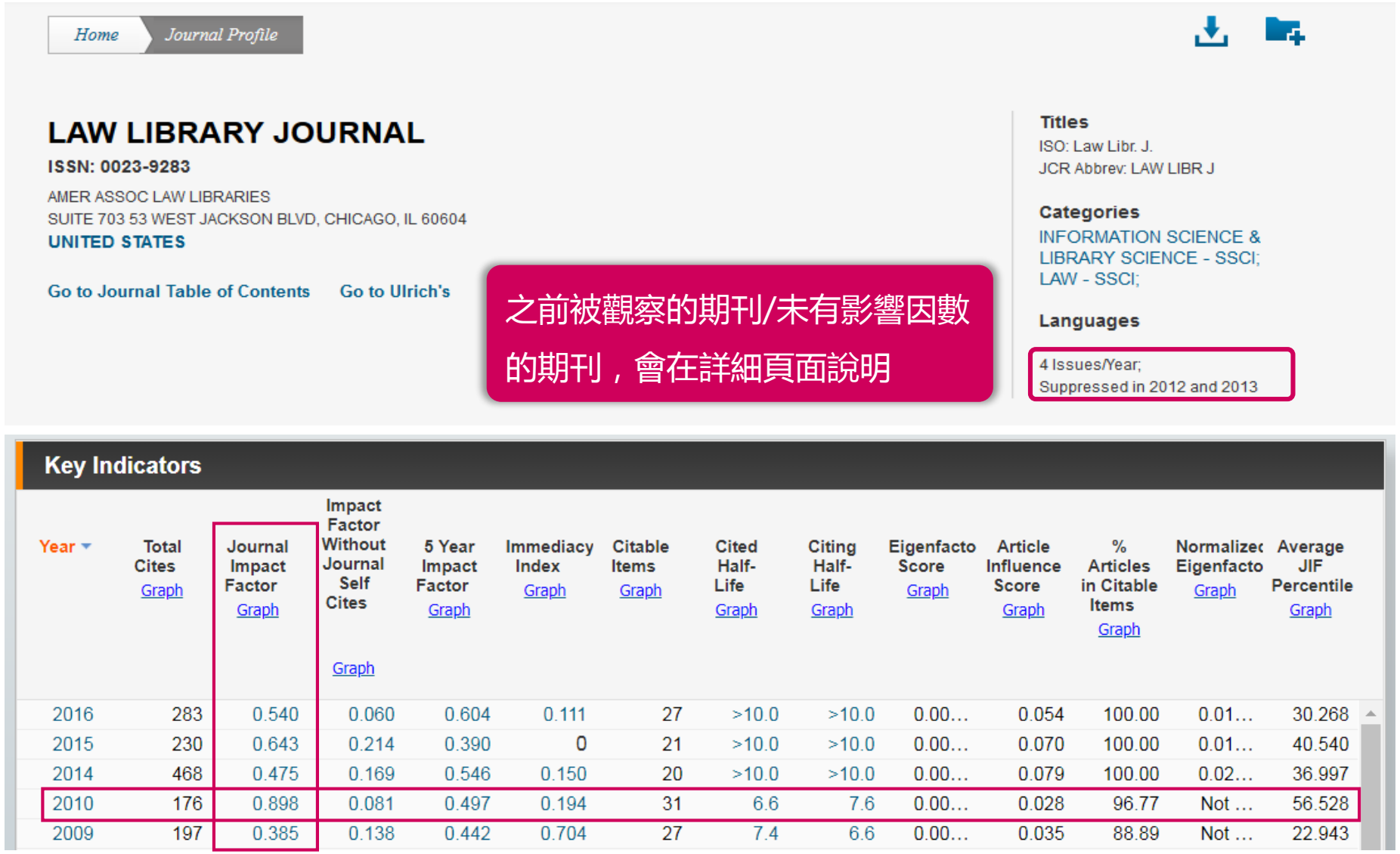
關於被觀察期刊的說明



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LAW LIBRARY JOURNAL

ISSN: 0023-9283

AMER ASSOC LAW LIBRARIES
SUITE 703 53 WEST JACKSON BLVD, CHICAGO, IL 60604
UNITED STATES

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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

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

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	Eigenfacto Score Graph	Article Influence Score Graph	% Articles in Citable Items Graph	Normalizec Eigenfacto 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

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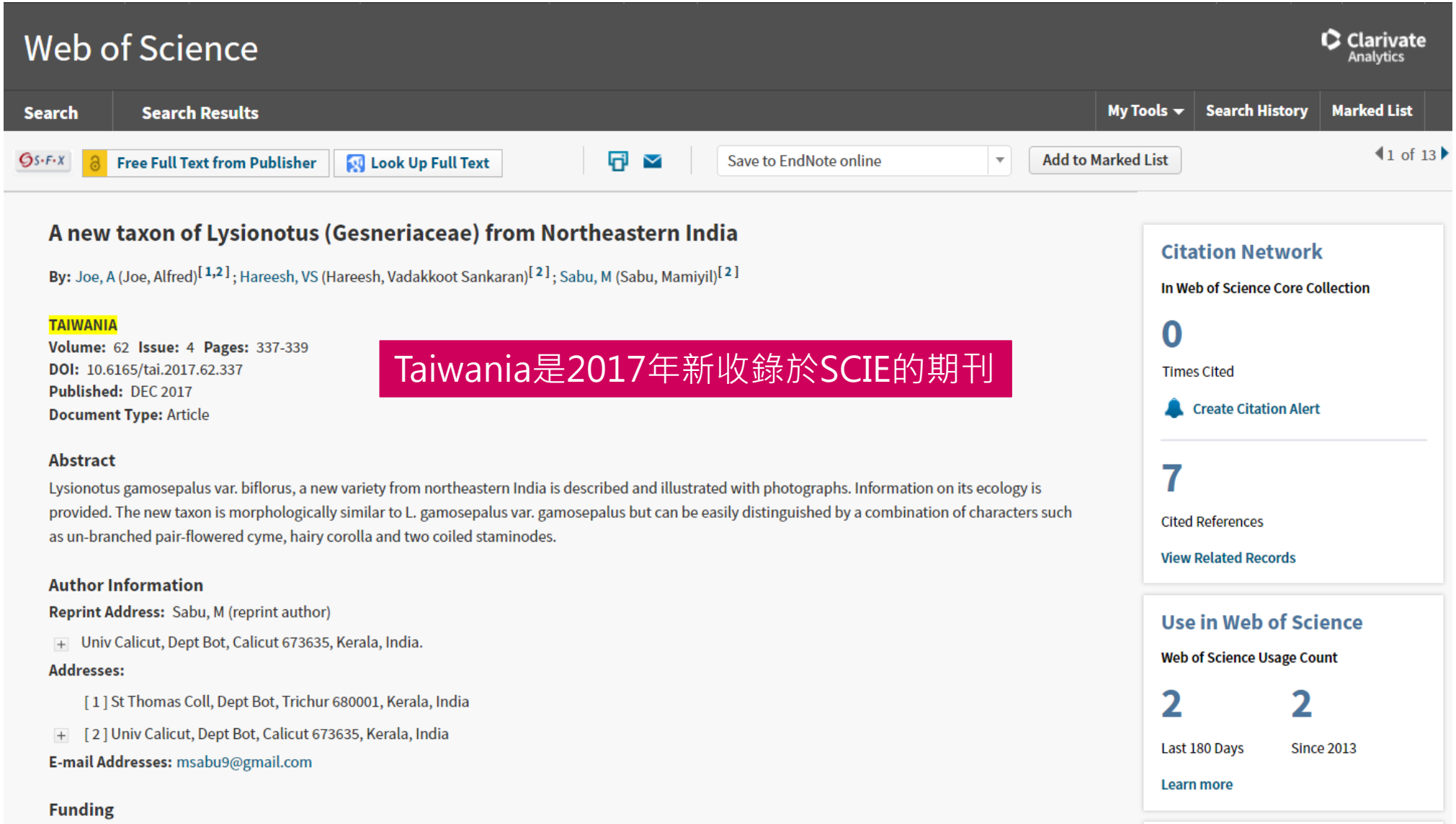

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時刻注意WOS收錄

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

CATEGORIES
POLITICAL SCIENCE - SSCI

LANGUAGES
English

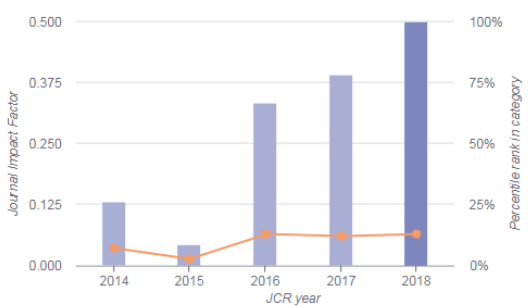
PUBLICATION FREQUENCY
2 issues/year

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.

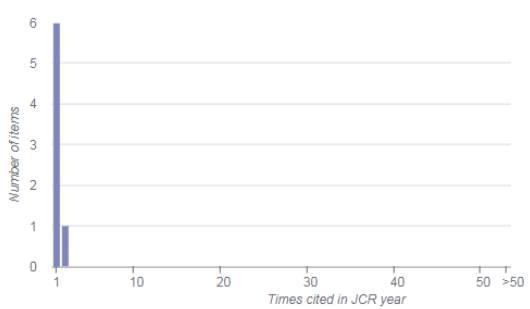
Journal Impact Factor Trend 2018 Printable Version

0.500
2018 Journal Impact Factor



Citation distribution 2018 Printable Version

0 Article citation median n/a Review citation median



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By: Dee, Francis Joseph A.
PHILIPPINE POLITICAL SCIENCE JOURNAL Volume: 39 Issue: 3 Pages: 155-178 Published: 2018
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2. Capitalism and Inclusion under Weak Institutions
By: Mendoza, Ronald U.
PHILIPPINE POLITICAL SCIENCE JOURNAL Volume: 39 Issue: 3 Pages: 179-185 Published: 2018

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

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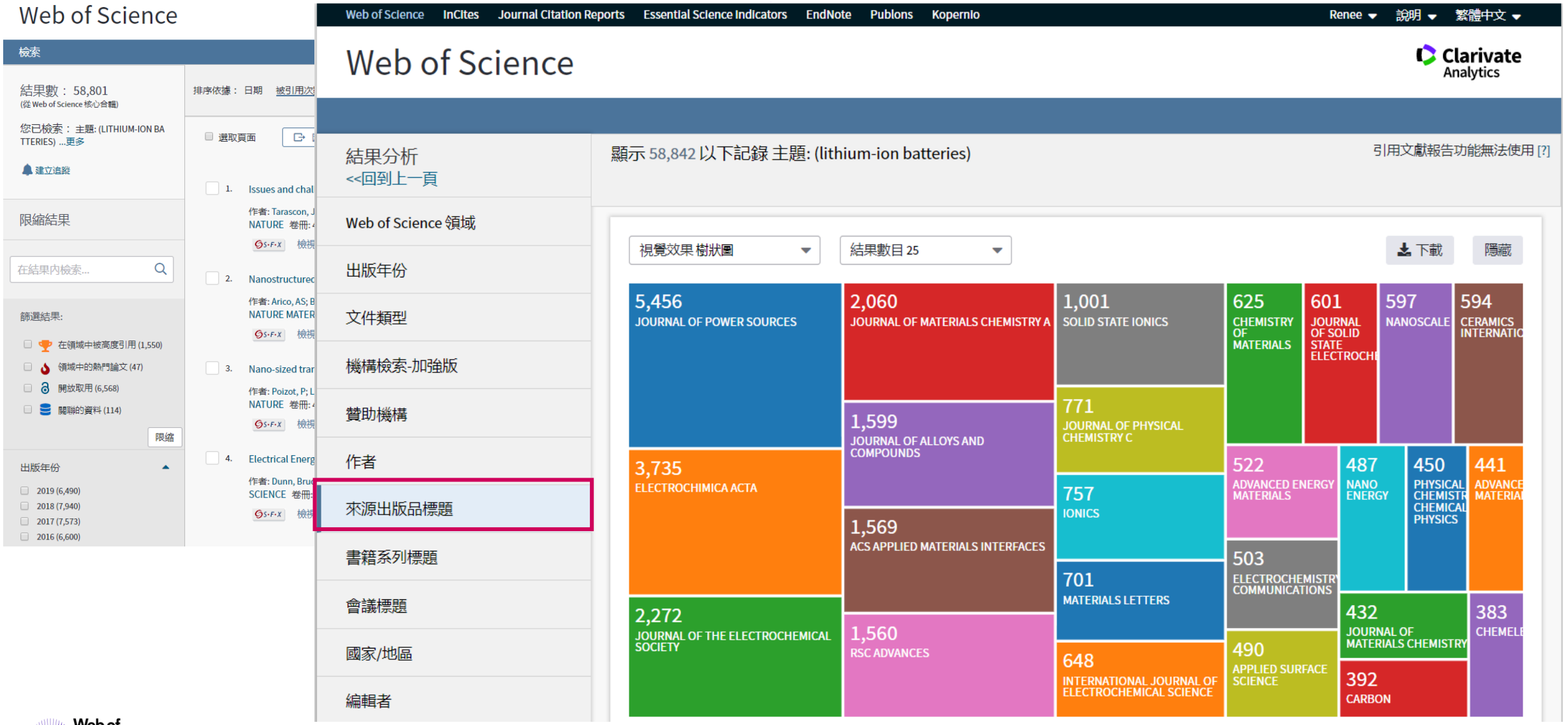

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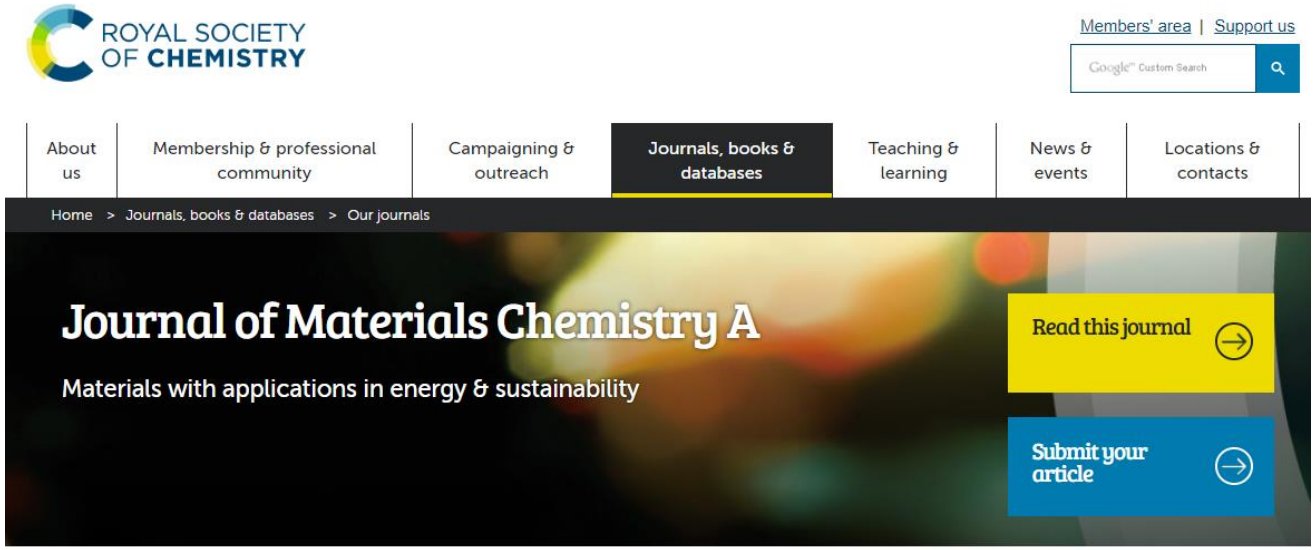
掌握期刊收錄方向與主編



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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.

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了解主編的研究領域與最新研究

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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

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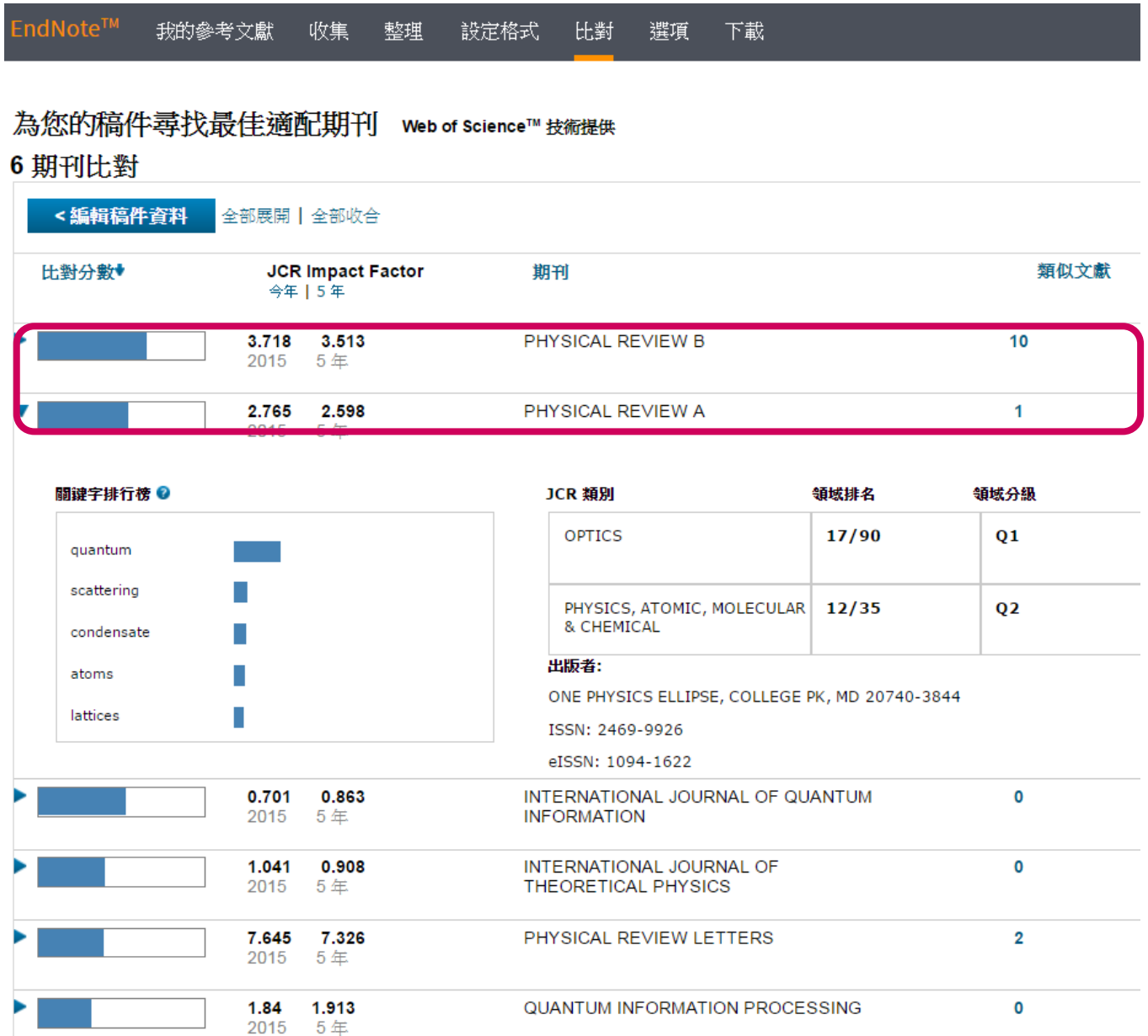

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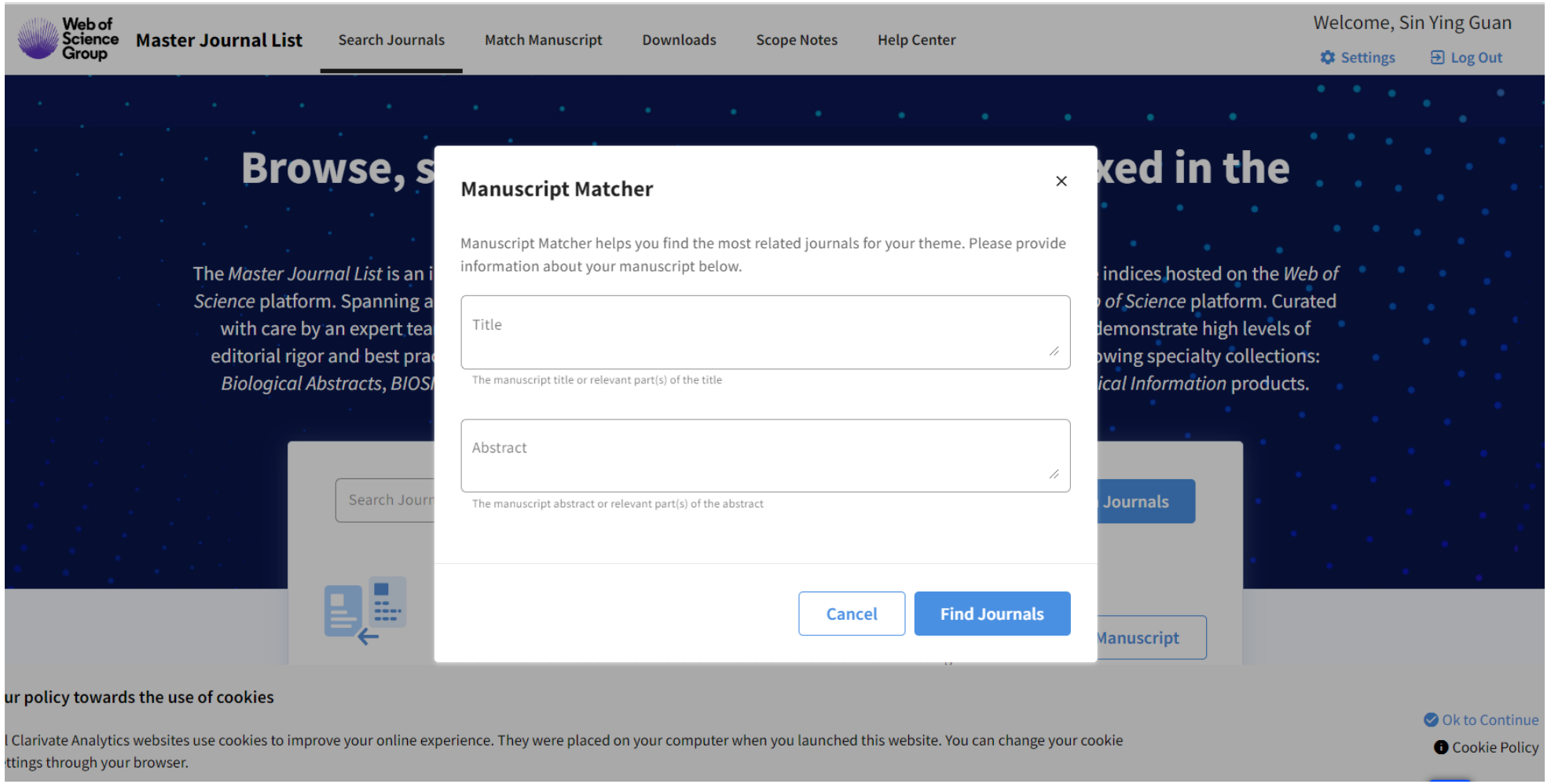

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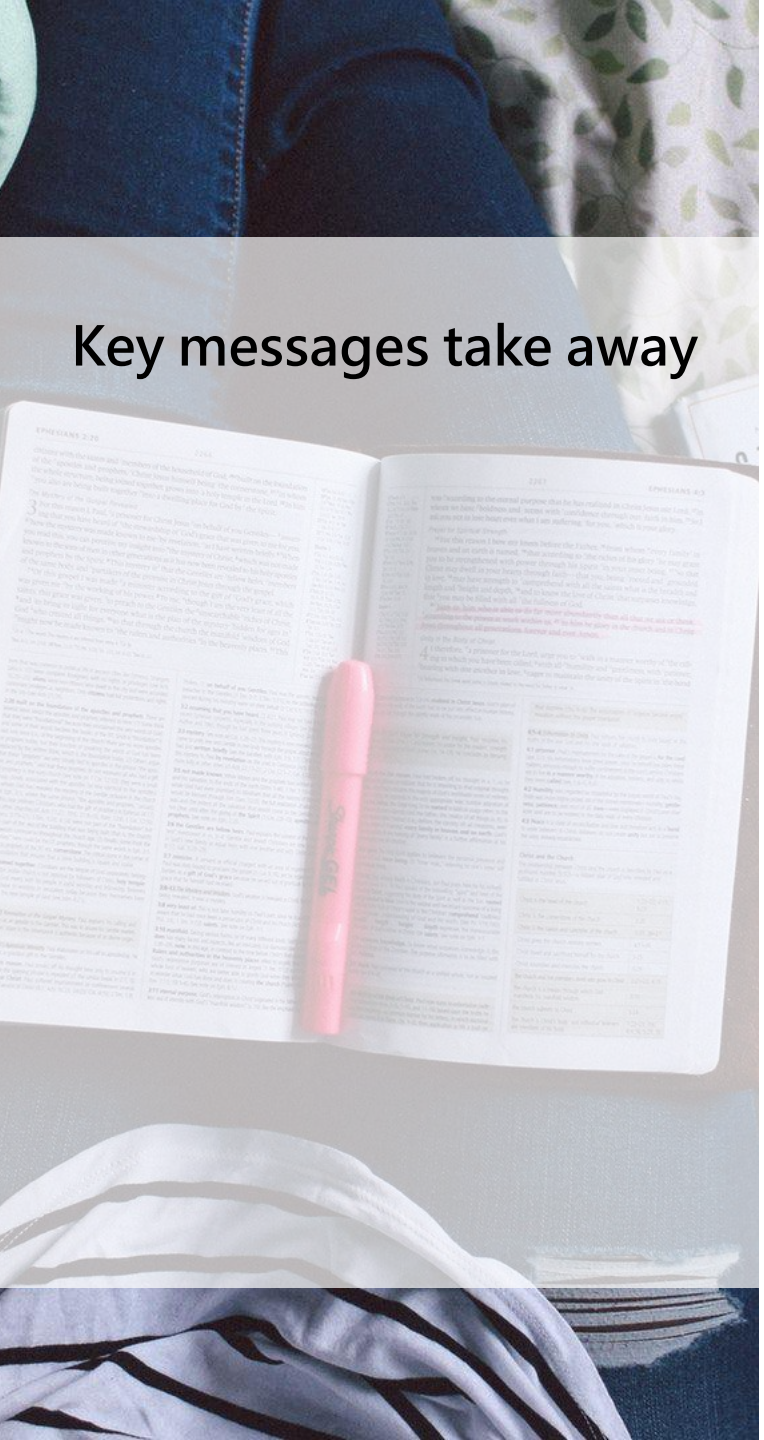
掠奪性期刊的文章內容未經正式的Peer Review的把關品質令人質疑



Key messages take away

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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!

- 追蹤科睿唯安部落格

https://clarivate.com.tw/blog/

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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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資訊技術公司
已說讚

瞭解詳情

Clarivate Analytics Taiwan - 科睿唯安
10月7日上午8:50 ·

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🔍 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😄

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📕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。

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	CHEMBIOENG 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	RICERCHE 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

1

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

2

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- 參加網址：https://www.sris.com.tw/Events/2019_TVE2/index.html

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