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電機電子工程師學會

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- 非營利組織，全球最大的技術學會之一，成員遍佈160多個國家地區，會員超過42萬人

- 核心運作方式:
- IEEE會員、舉辦研討會、制定標準、出版期刊、會議論文、電子書及線上課程

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39個專業分會

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- IEEE Ultrasonics, Ferroelectrics, and Frequency Control Society
- IEEE Vehicular Technology Society

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Journal Citation Reports® by Impact Factor

IEEE Journals are:

- **# 1** in Artificial Intelligence
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- **# 1** in Instruments and Instrumentation
- **# 1** in Medical Informatics
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Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

The Journal Citation Report presents quantifiable statistical data that provide a systematic, objective way to evaluate the world's leading journals.

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IEEE 在人工智慧.自動駕駛汽車.物聯網... 相關專利中 佔據主導地位

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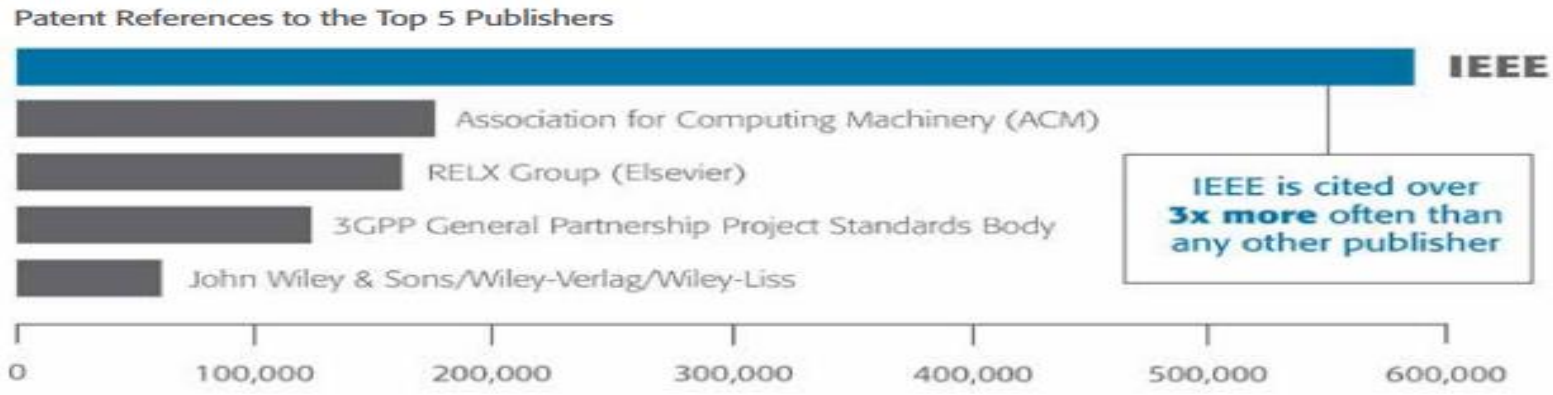

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- **8 of the top 10** Journals in **Computer Science, Artificial Intelligence**
- **The Top 5** Journals in **Automation & Control Systems**
- **4 of the top 5** Journals in **Computer Science, Hardware & Architecture**
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  包括 : IET 會議論文、Bell Lab 技術期刊及 VDE 會議論文。

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- IEEE Transactions on **Artificial Intelligence**
- IEEE **BITS the Information Theory** Magazine
- IEEE Journal on **Flexible Electronics**
- IEEE Transactions on **Signal and Power Integrity**

* Please Note : Listing current as of 09/2021, subject to change. Please note this is a tentative list and is subject to change.

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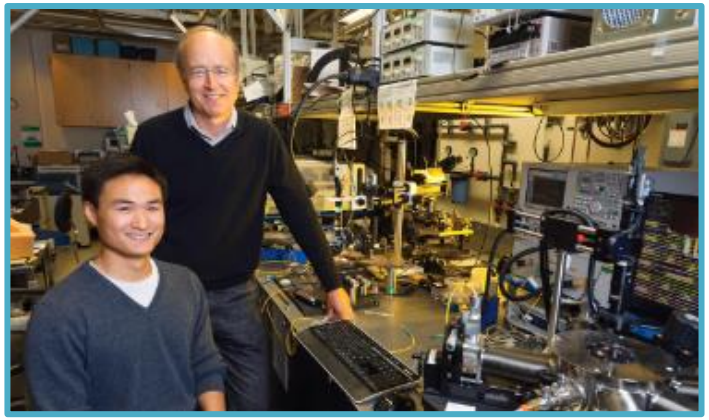
IEEE 不間斷的線上學術研討交流

- 大多數 IEEE 會議以新的虛擬方式持續舉辦，許多會議都創下出席人數的紀錄，並獲得廣大迴響。
- 例如: 2020年5月舉辦的CLEO會議
  - 有來自75個國家，近 20,000 名參與者
  - 超過 1,800 篇科學文獻 (較以往增長20%)
  - 這些文獻如今都可以在IEE Xplore查找全文

CLEO
Laser Science to Photonic Applications



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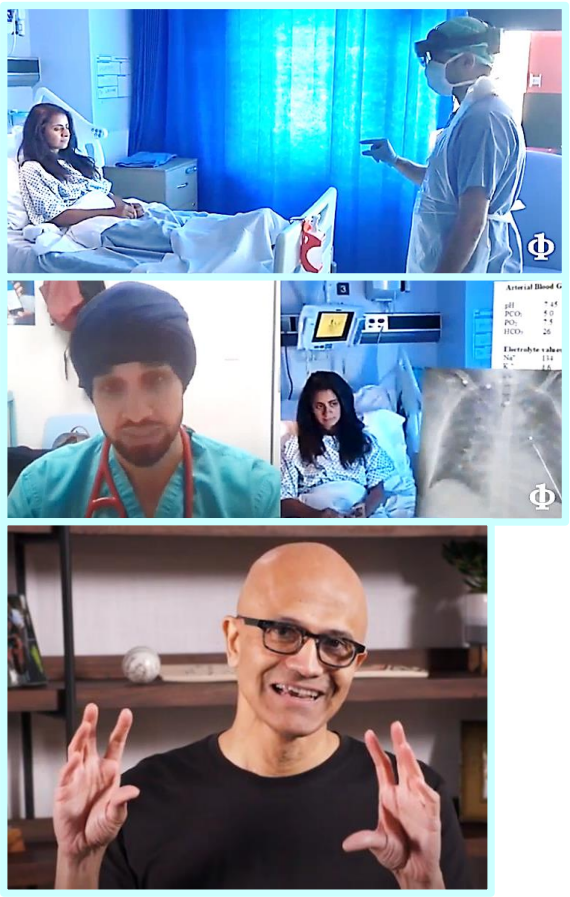
IEEE 持續帶動全球科技脈動

- 通過主題演講、會議、研討會 及 虛擬學習討論，該活動成為強而有力的論壇，能夠以全球視野推動電腦視覺、AI 和機器學習的理解、應用和進步。



- 例如: 2020年6月舉辦的CVPR會議
  - 有來自全球各地近7,600名參與者
  - 超過 1,470 篇科學文獻 (較以往增長13%)
  - 這些文獻如今都可以在IEE Xplore查找全文
  - 微軟首席執行官薩蒂亞•納德拉（Satya Nadella）演示用於安全治療英國COVID-19患者的霍洛倫斯技術

IEEE Conference 專業研討會議

引領專家學者持續在新興技術上不斷突破

2021 年所發布涵蓋創新技術有關的學術研討會:

- 2021 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
- IEEE International Solid- State Circuits Conference (ISSCC)
- 2021 4th International Conference on Artificial Intelligence and Big Data (ICAIBD)
- 2021 32nd Annual SEMI Advanced Semiconductor Manufacturing Conference (ASMC)
- 2021 7th International Conference on Automation, Robotics and Applications (ICARA)
- 2021 IEEE 93rd Vehicular Technology Conference (VTC2021–Spring)
- 2021 IEEE 2nd International Conference on Big Data, Artificial Intelligence and Internet of Things Engineering (ICBAIE)
- 2021 IEEE International Conference on Blockchain and Cryptocurrency (ICBC)
- 2021 8th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)
- 2021 Sixteenth International Conference on Ecological Vehicles and Renewable Energies (EVER)
- 2021 IEEE Power & Energy Society Innovative Smart Grid Technologies Conference (ISGT)
- 2021 5th International Conference on Internet of Things and Applications (IoT)
- 2021 Joint European Conference on Networks and Communications & 6G Summit (EuCNC/6G Summit)
- 2021 International Conference on Applied Artificial Intelligence (ICAPAI)
- 2021 12th International Renewable Engineering Conference (IREC)

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22 MAY	2022 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP) REGISTER

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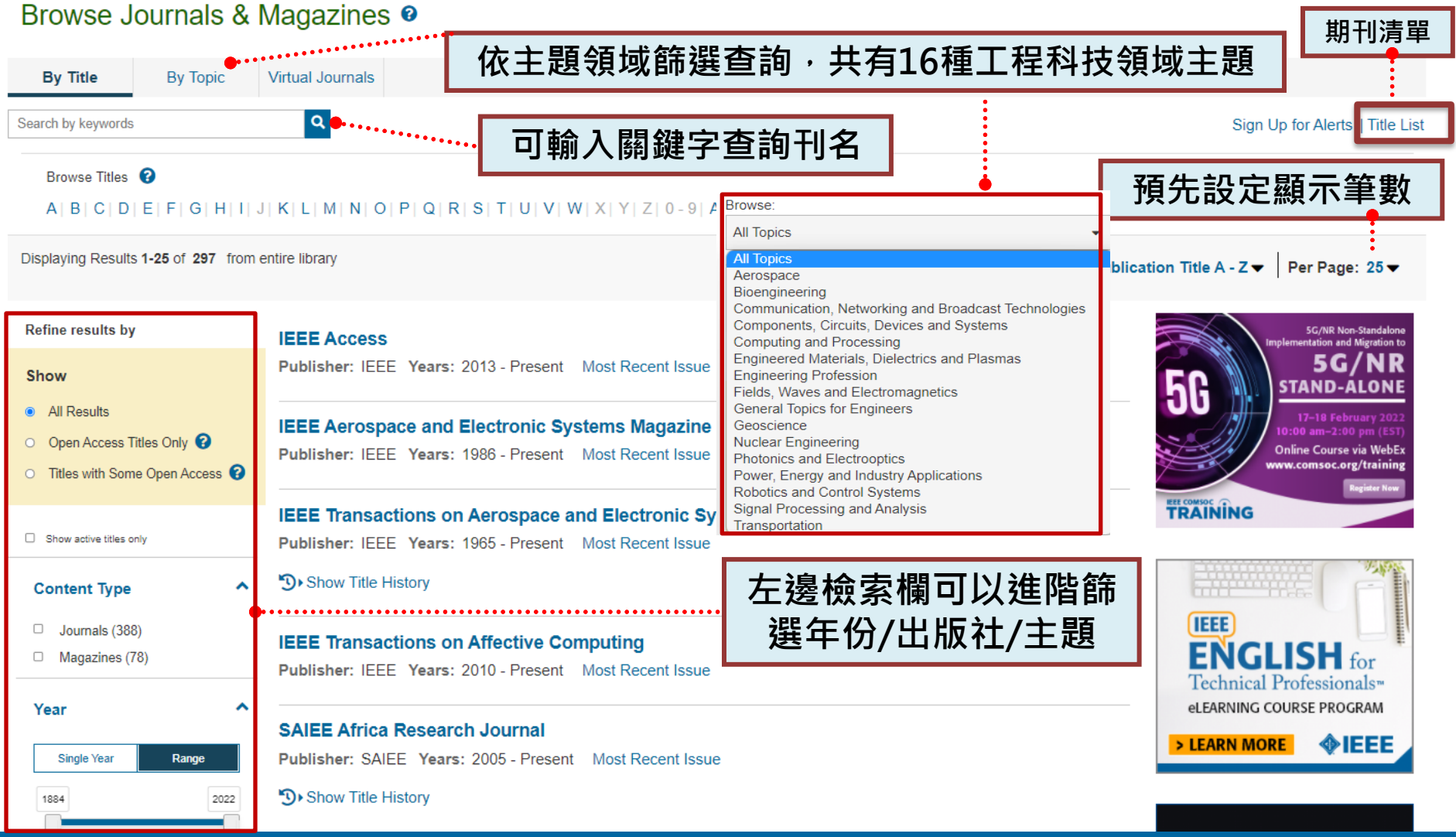

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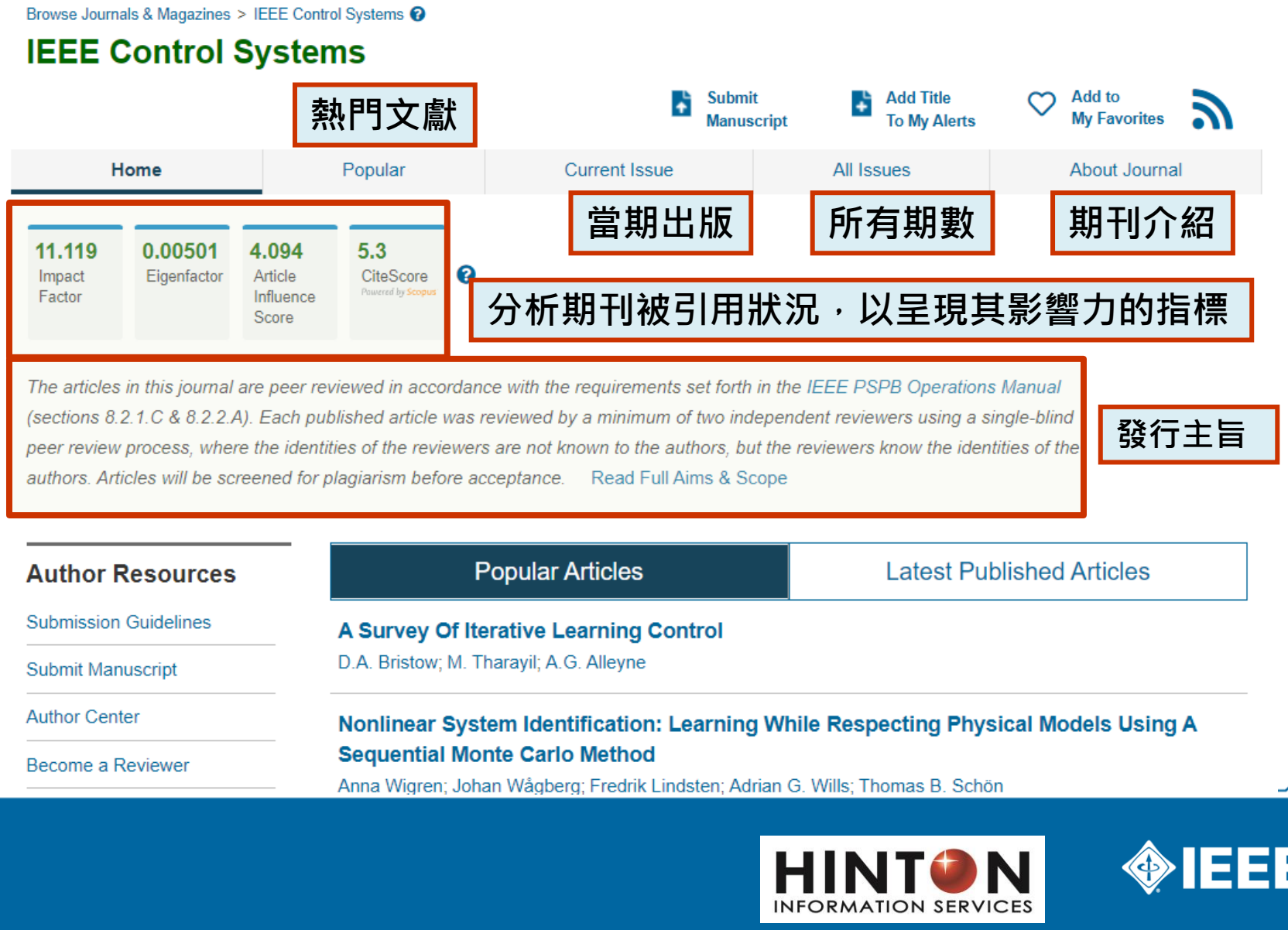

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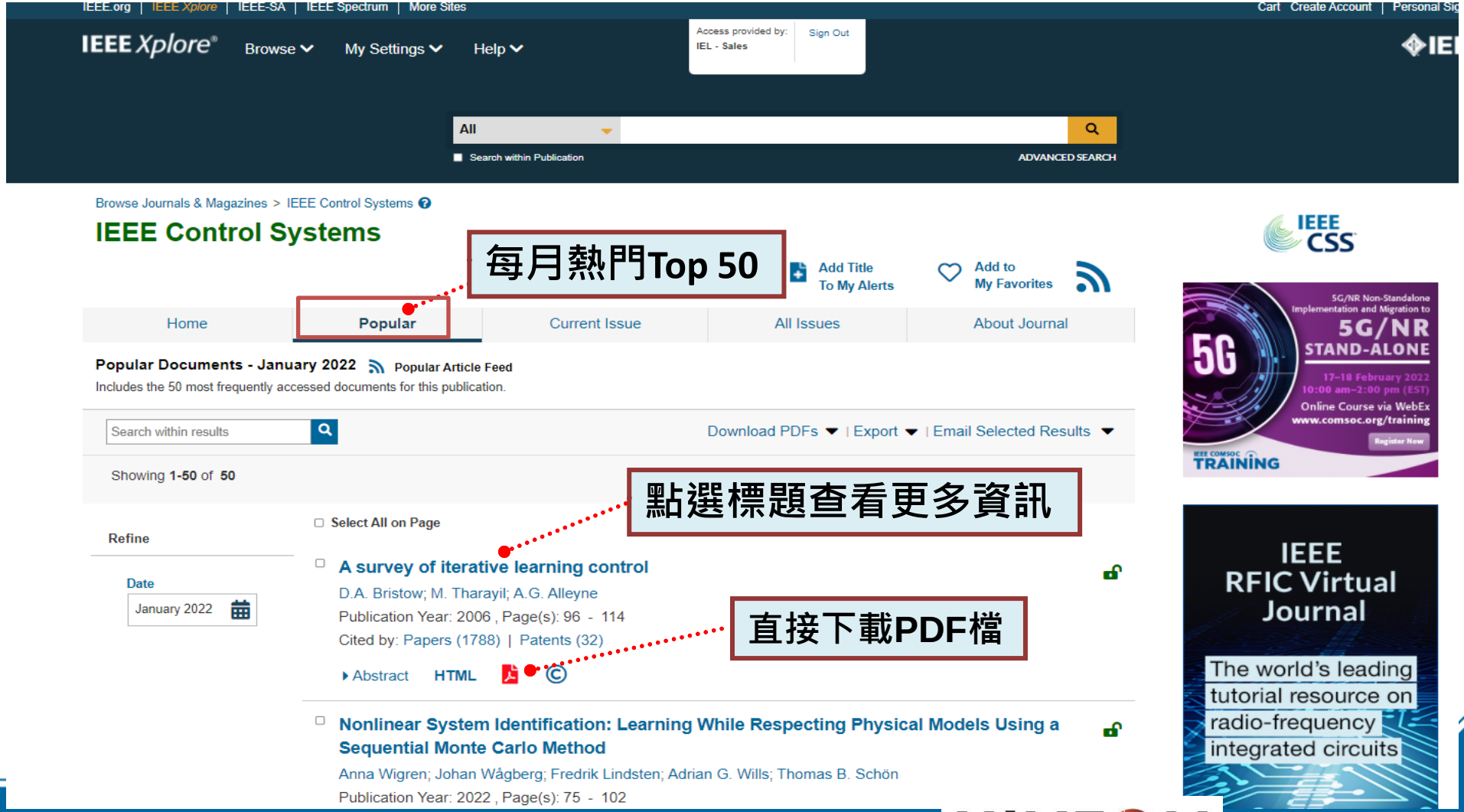

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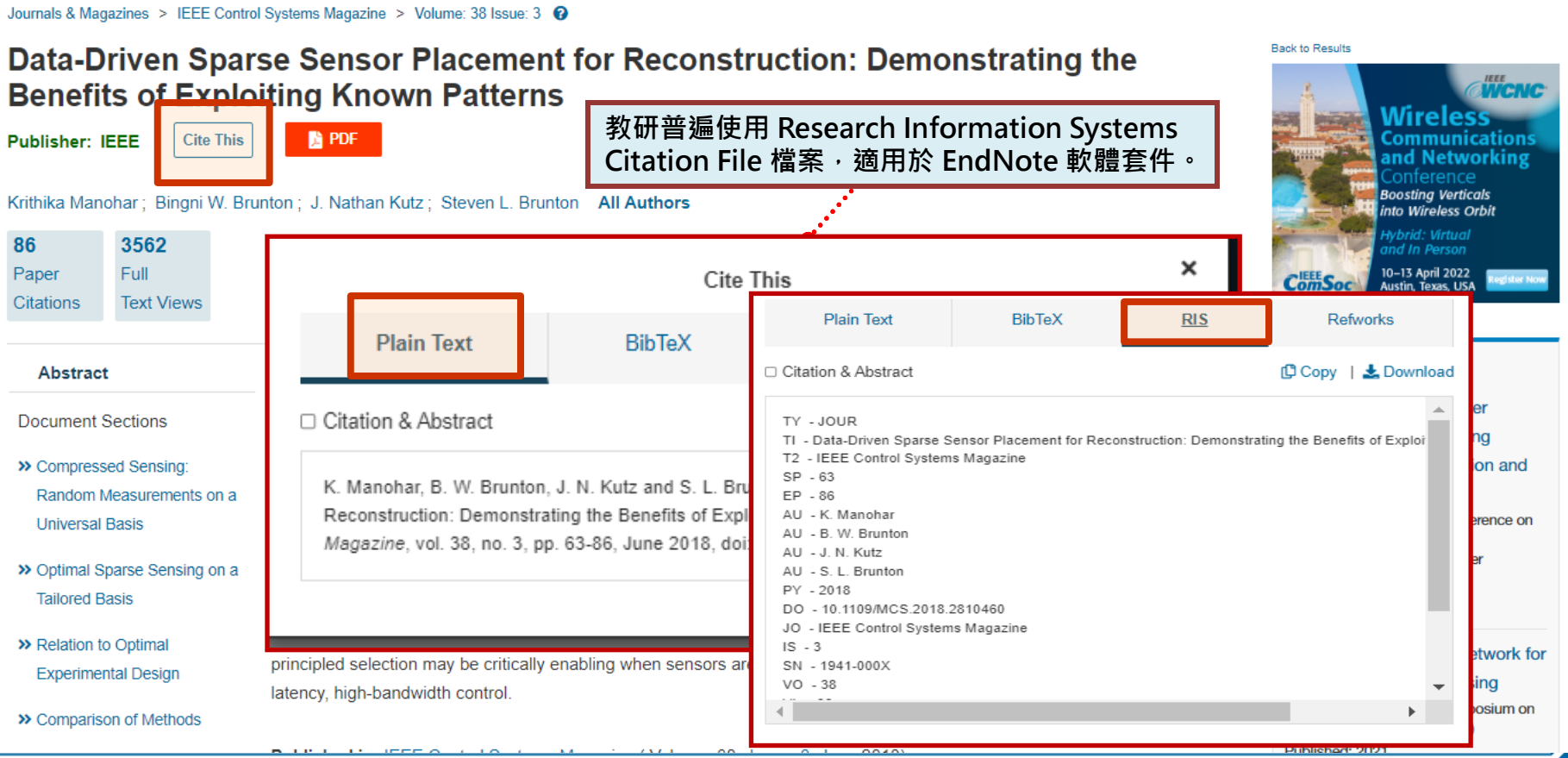

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Journals & Magazines > IEEE Control Systems Magazine > Volume: 38 Issue: 3

Data-Driven Sparse Sensor Placement for Reconstruction: Demonstrating the Benefits of Exploiting Known Patterns

PDF全文格式: 可下載或列印

Publisher: IEEE | Cite This | PDF

Krithika Manohar ; Bingni W. Brunton ; J. Nathan Kutz ; Steven L. Brunton All Authors

86 Paper Citations

3562 Full Text Views

Abstract

Document Sections

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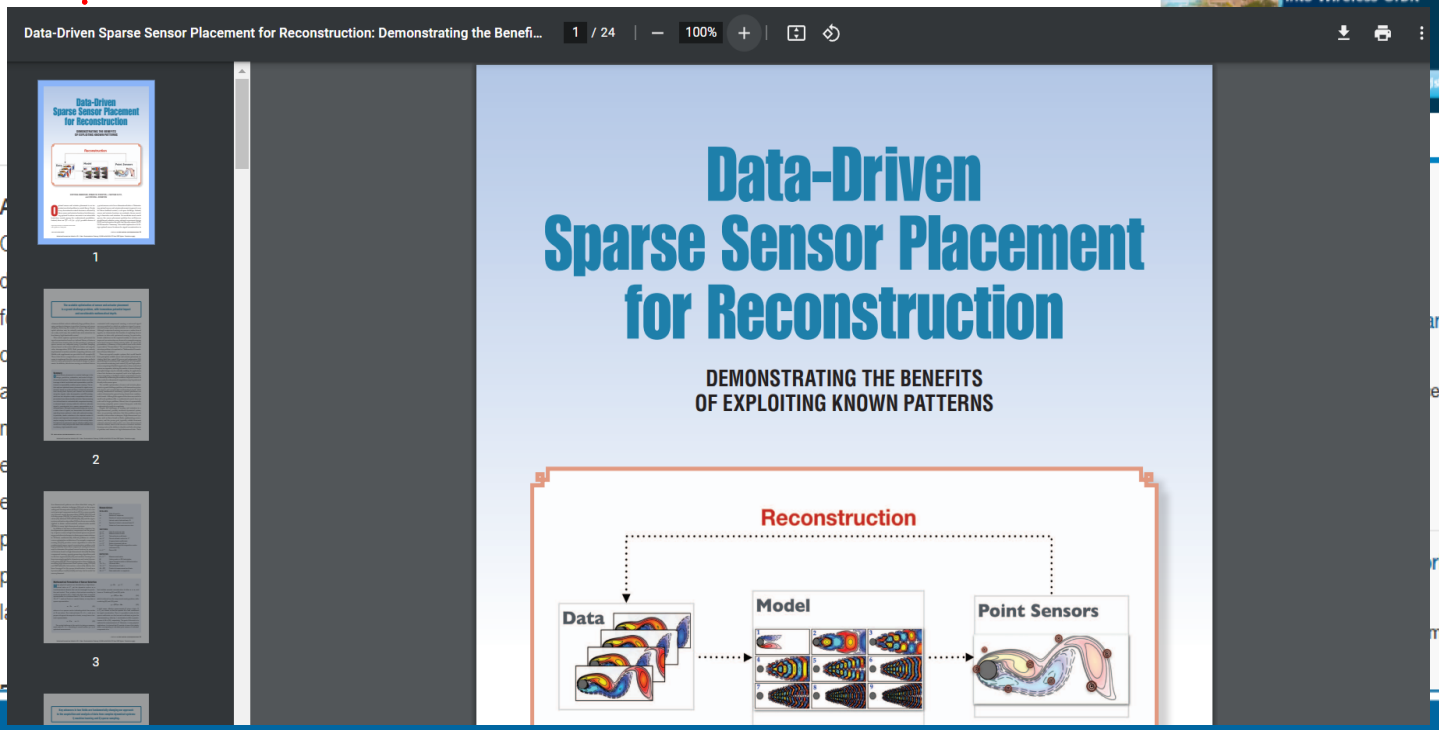
- Optimal Sparse Sensing on a Tailored Basis
- Relation to Optimal Experimental Design
- Comparison of Methods



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Boosting Verticals into Wireless Orbit

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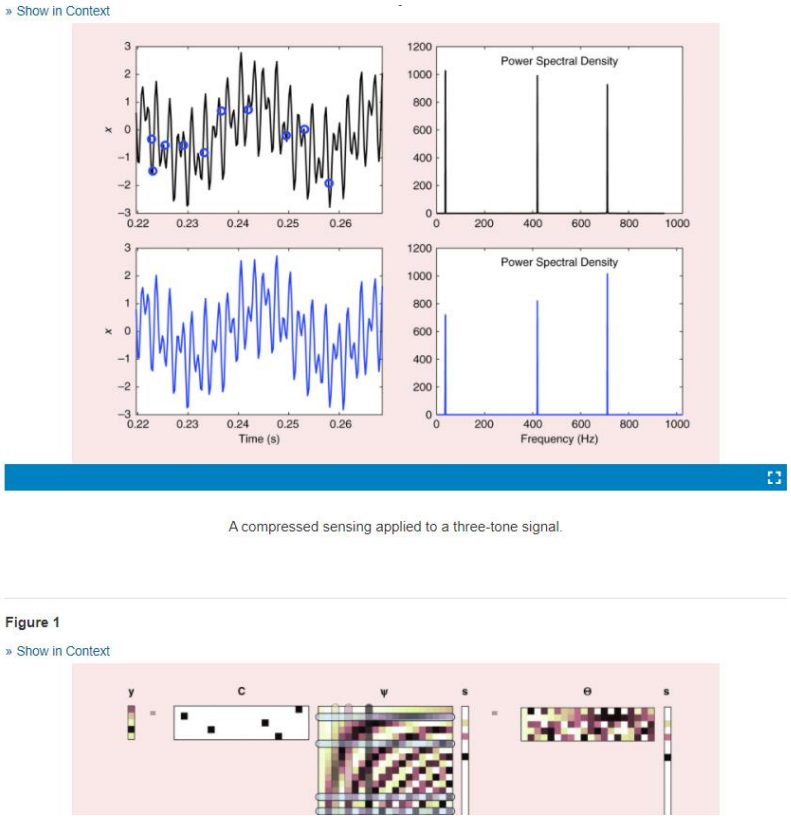

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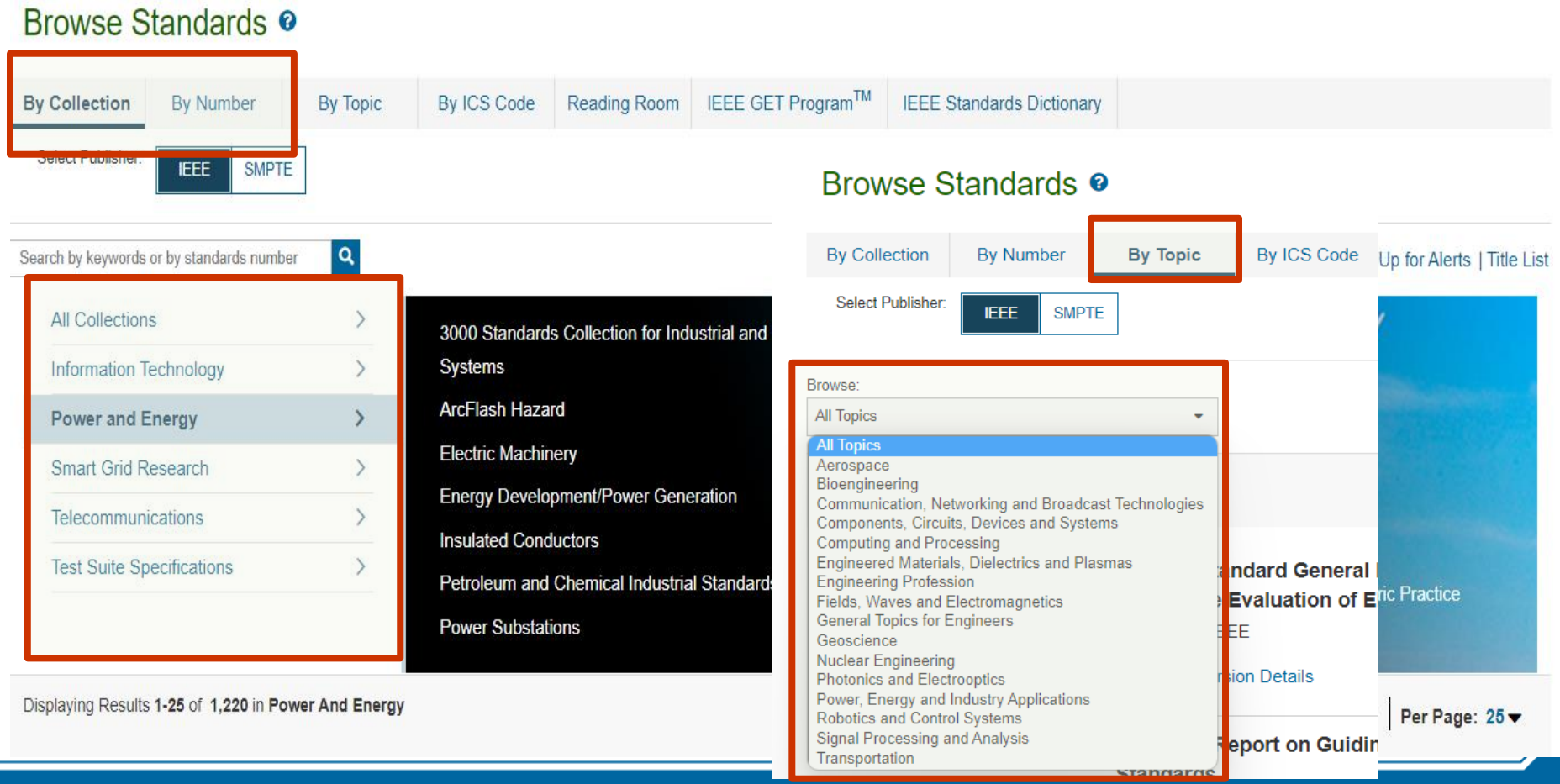

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From 1890 To 2022

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1B - AIEE Report on Guiding Principles for the Specification of Service Conditions in Electrical Standards
Publisher: IEEE
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1C - AIEE Test Code for Evaluation of Systems of Insulating Materials for Random-Wound Electric Machinery
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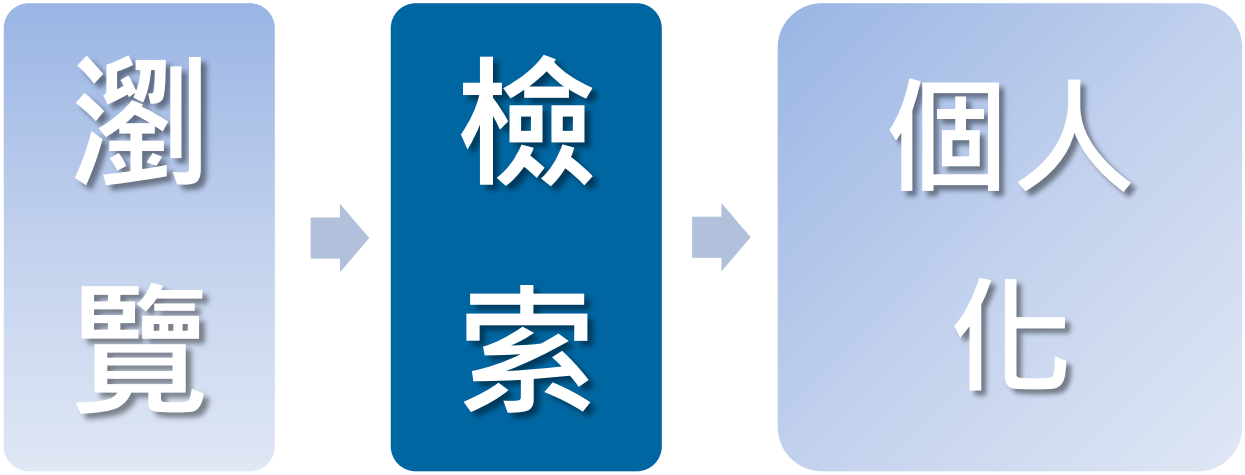

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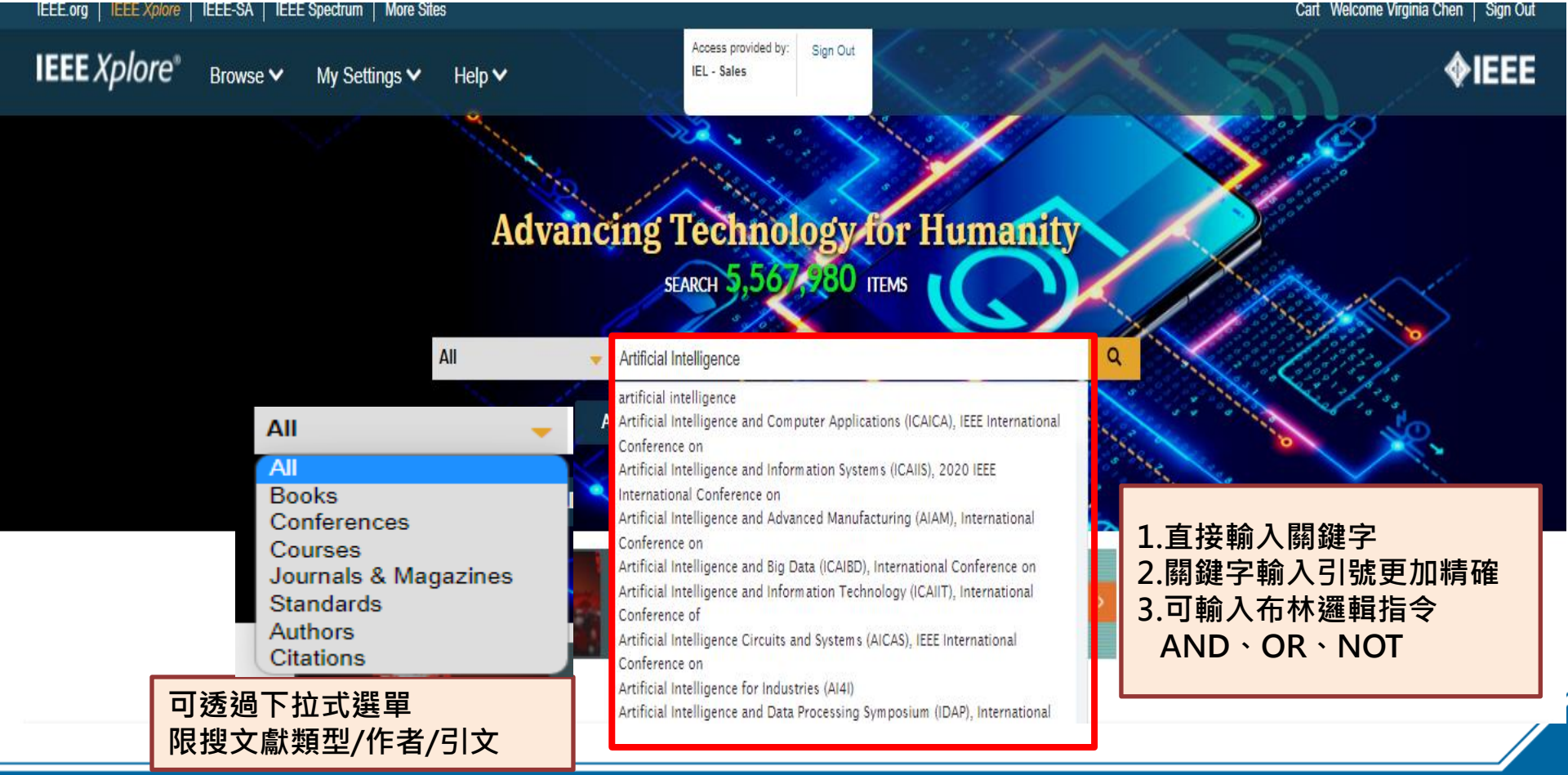

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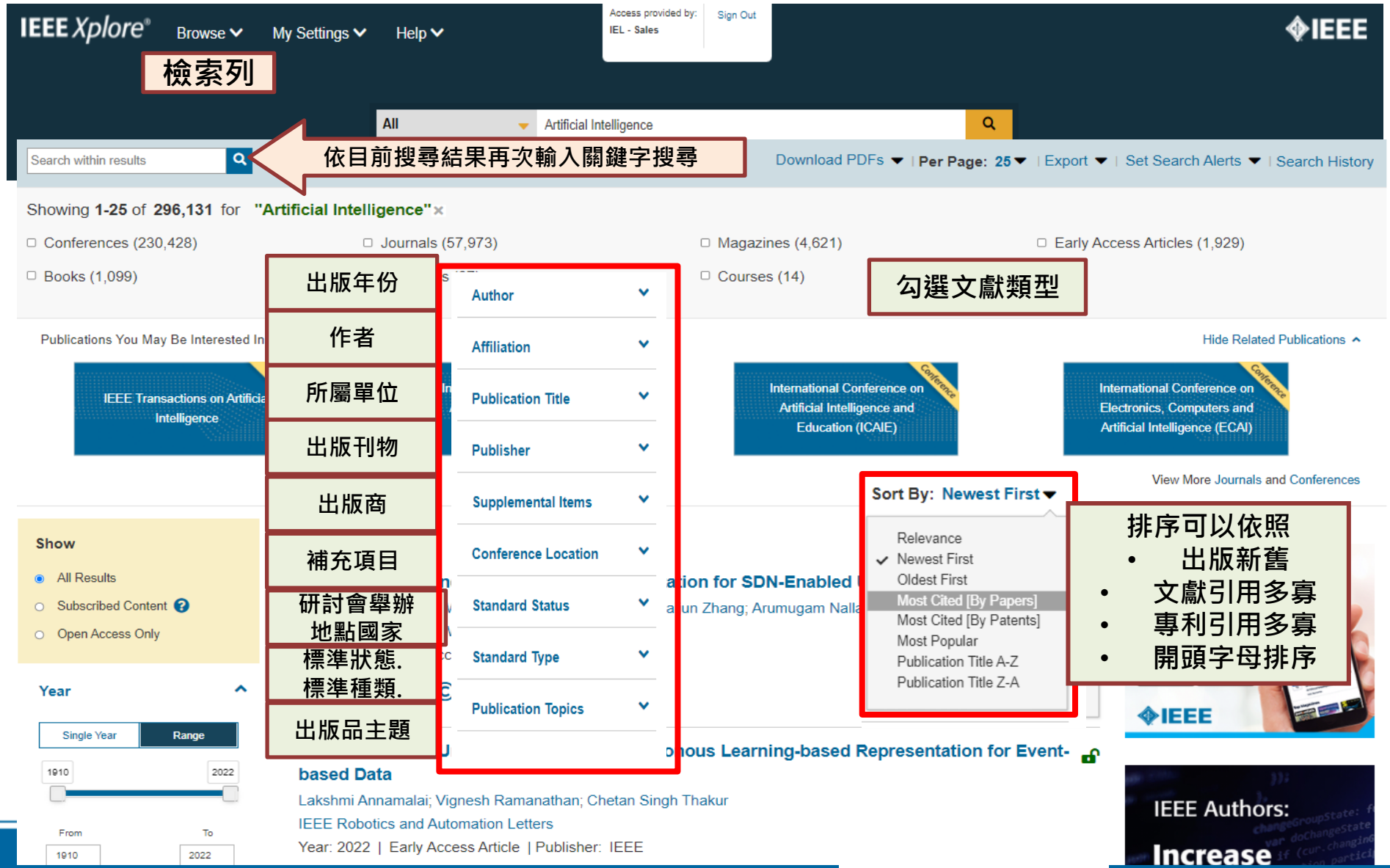

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- School of Computer Science and Engineering, Nanyang Technological University, Singapore (267)
- Artificial Intelligence Lab., MIT, Cambridge, MA, USA (239)
- School of Computer Science and Engineering, South China University of Technology, Guangzhou, China (204)

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Publication Title

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- IEEE Access (19,699)
- IEEE Transactions on Pattern Analysis and Machine Intelligence (2,354)
- IEEE Transactions on Image Processing (2,344)
- 2011 2nd International Conference on Artificial Intelligence, Management Science and Electronic Commerce (AIMSEC) (1,874)
- IEEE Transactions on Neural Networks and Learning Systems (1,649)

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- ☐ Inactive (25)
- ☐ Superseded (7)

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Standard Type

- ☐ Standard Docs (54)
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Publication Topics

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- ☐ learning (artificial intelligence) (176,594)
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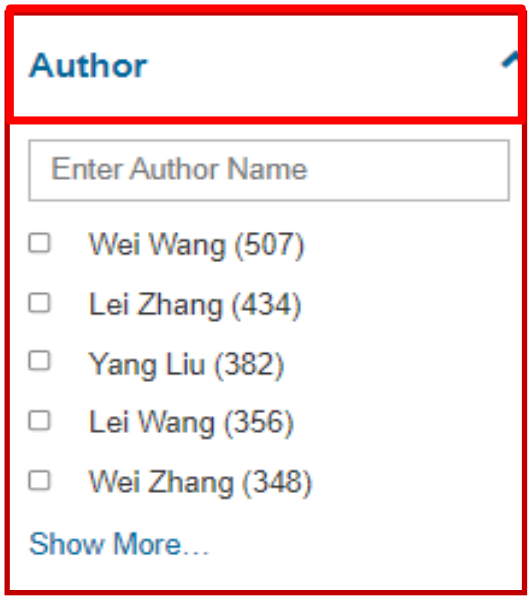

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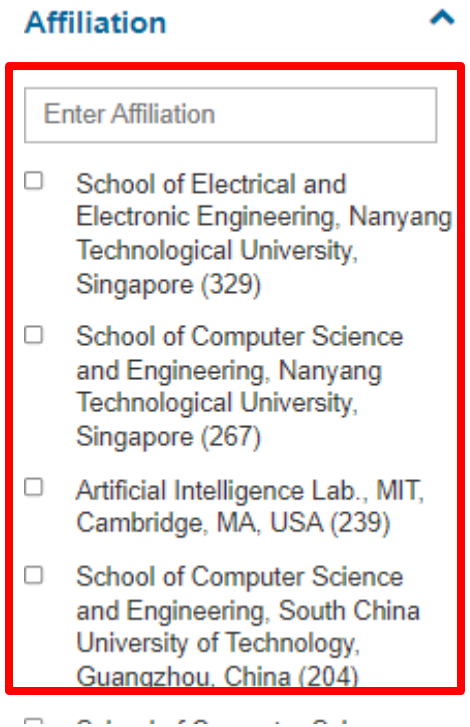

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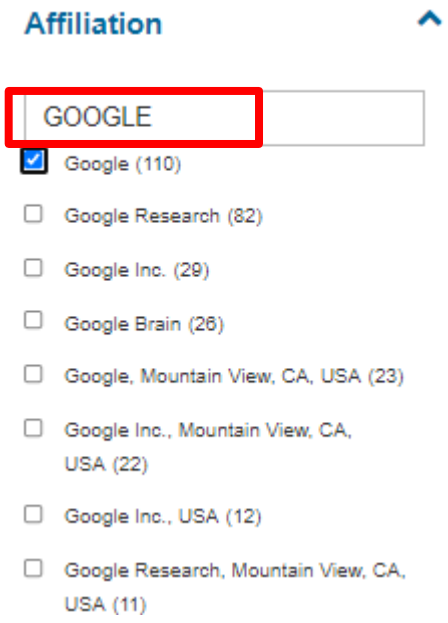
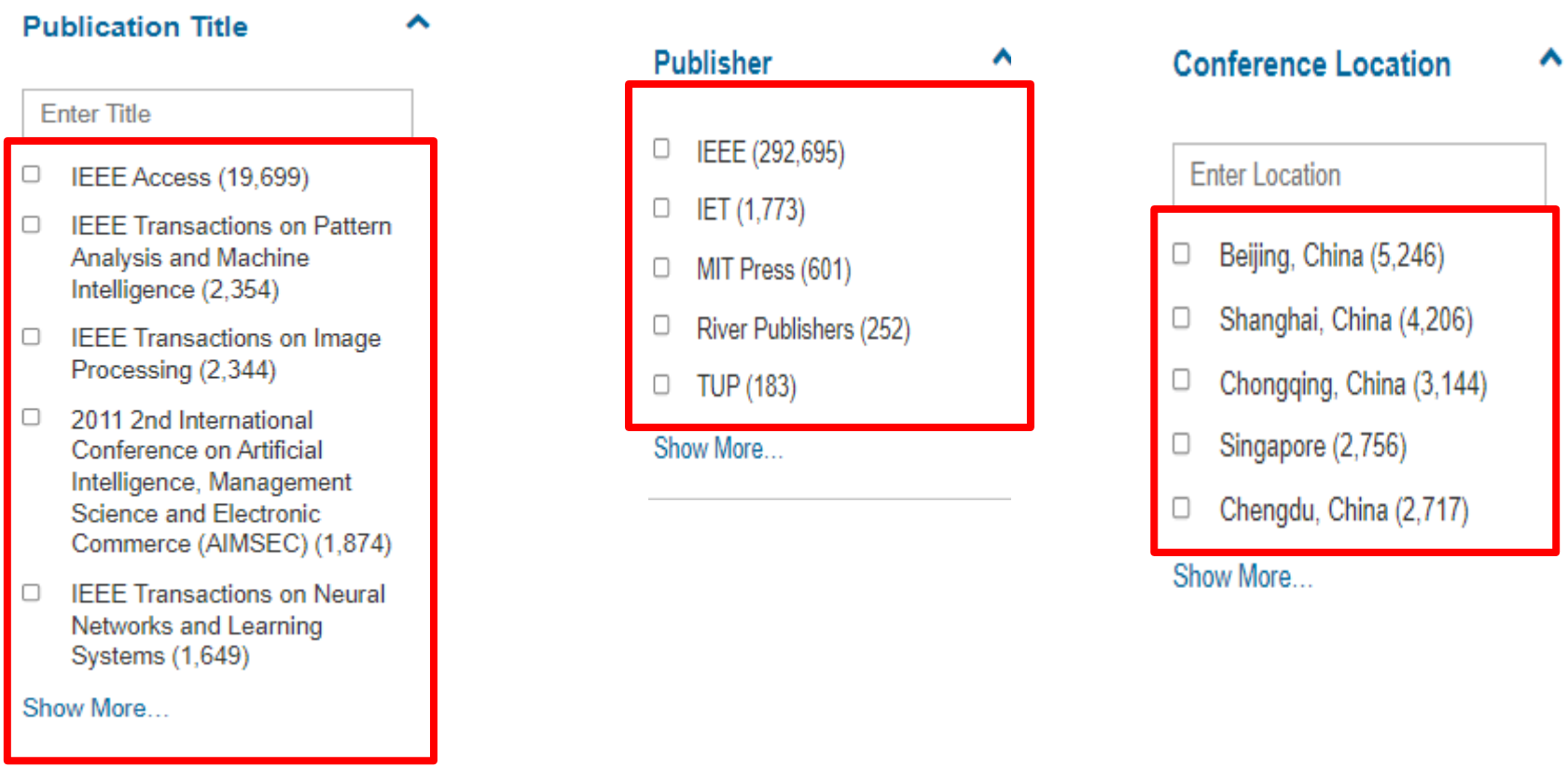
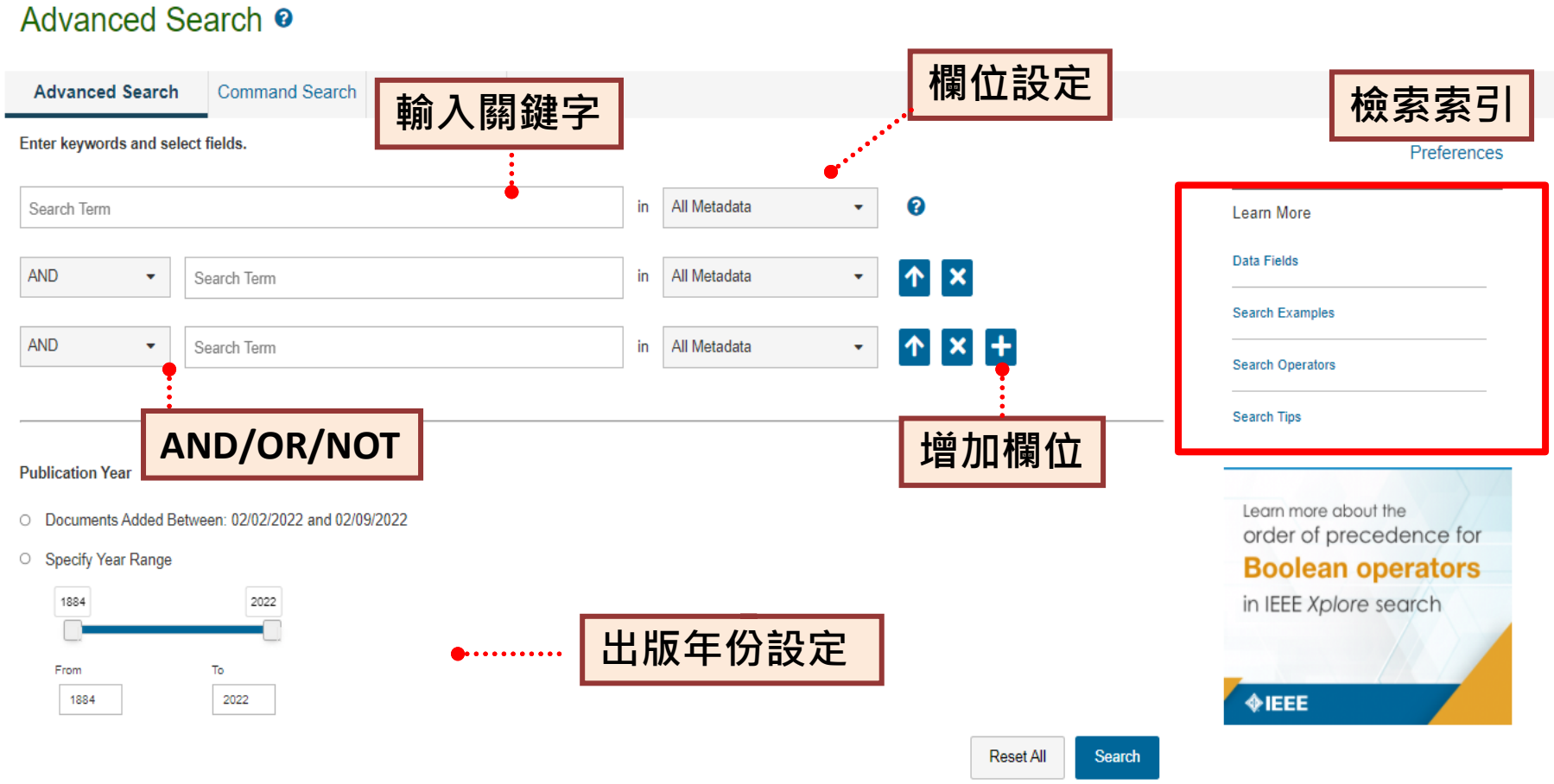


多重縮小檢索範圍

瞭解哪些期刊、會議可能是投稿對象



Advanced Search 進階檢索



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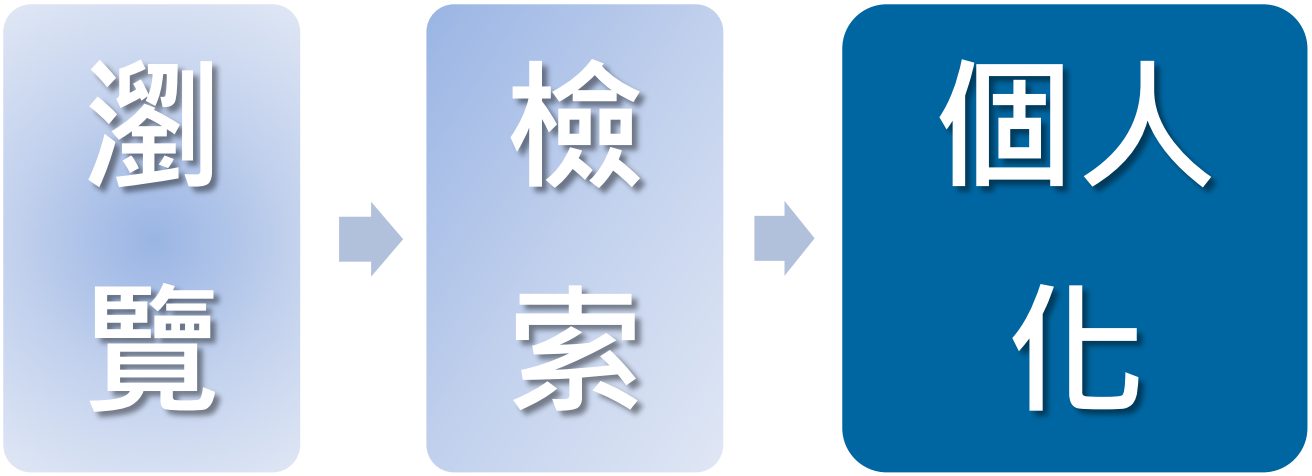

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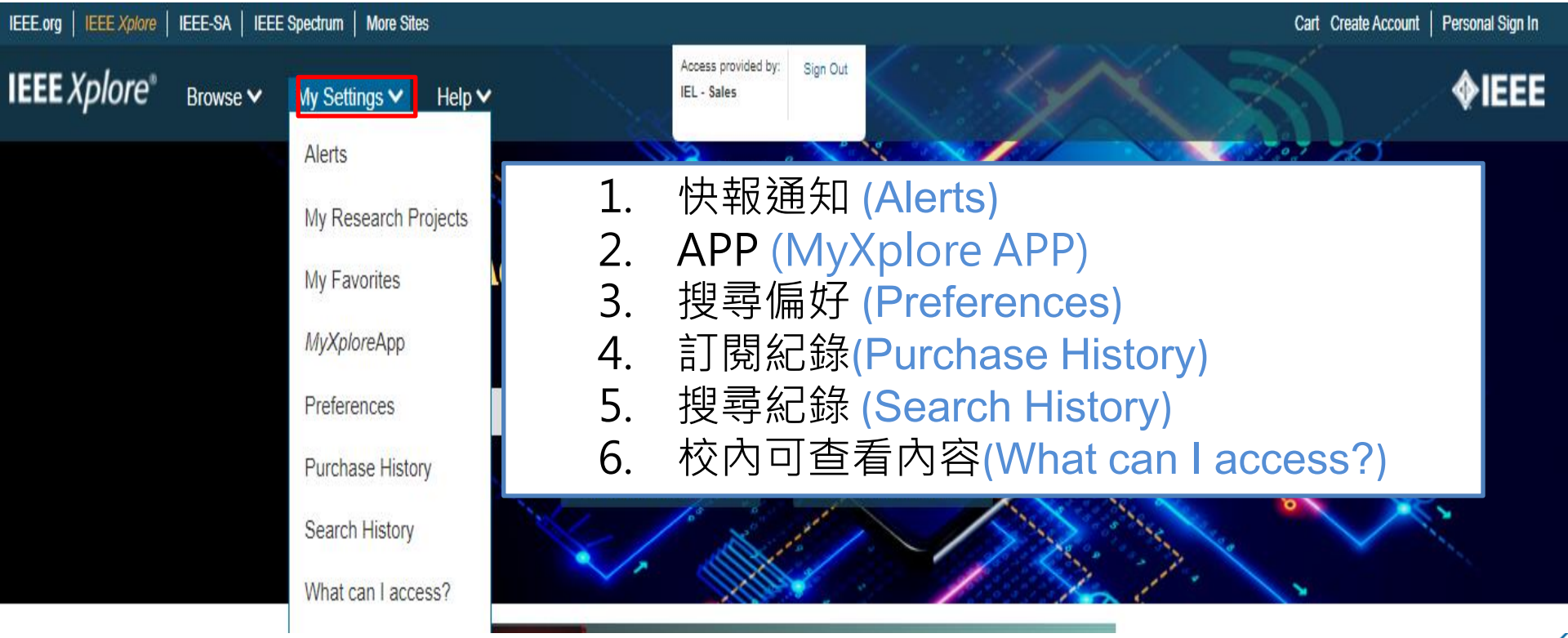

1. 快報通知 (Alerts)
2. APP (MyXplore APP)
3. 搜尋偏好 (Preferences)
4. 訂閱紀錄(Purchase History)
5. 搜尋紀錄 (Search History)
6. 校內可查看內容(What can I access?)

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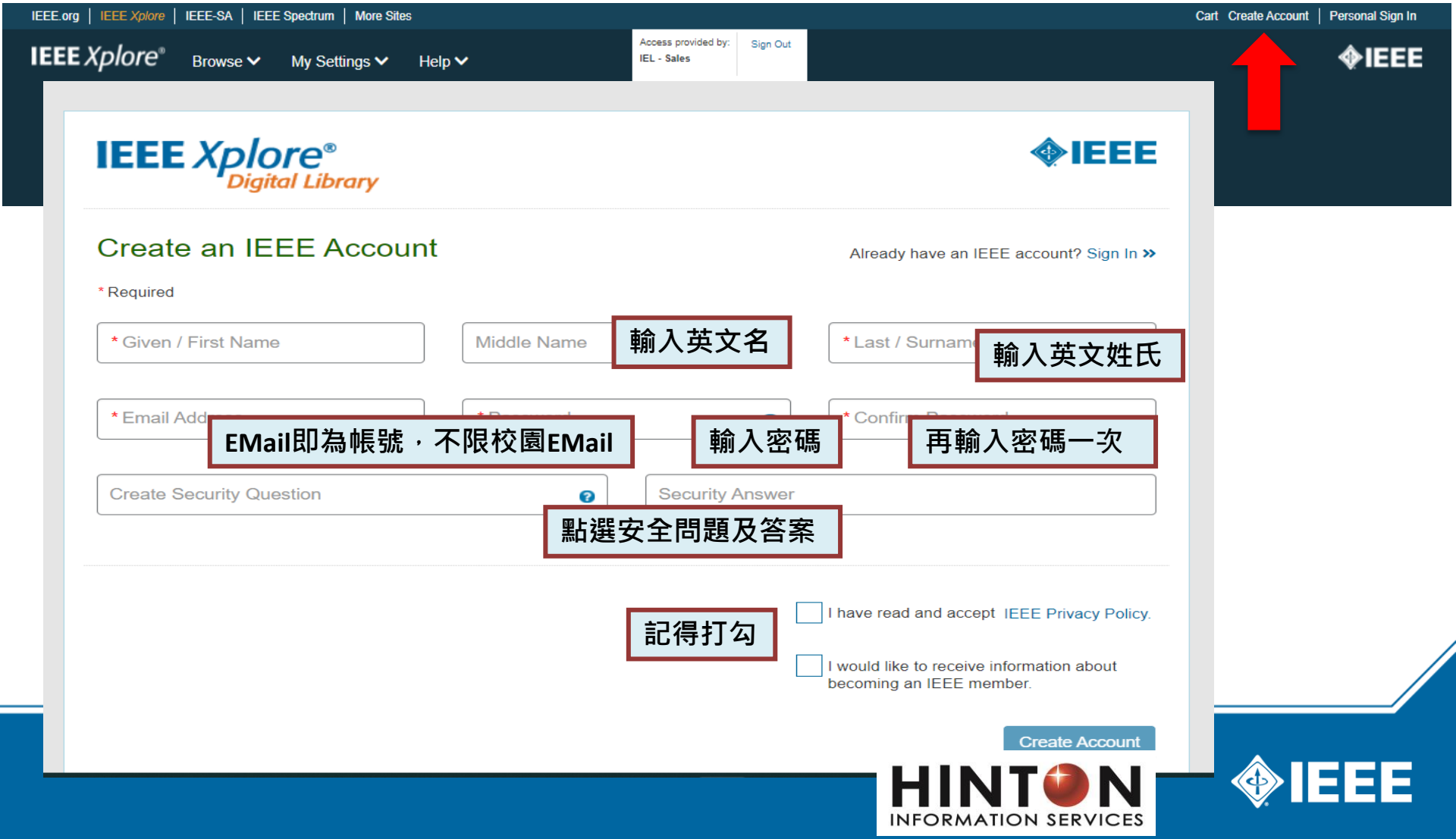
My Setting (個人化設定)

Creat Account 免費個人化帳號申請



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[Personal Sign In 個人化帳號 登入]

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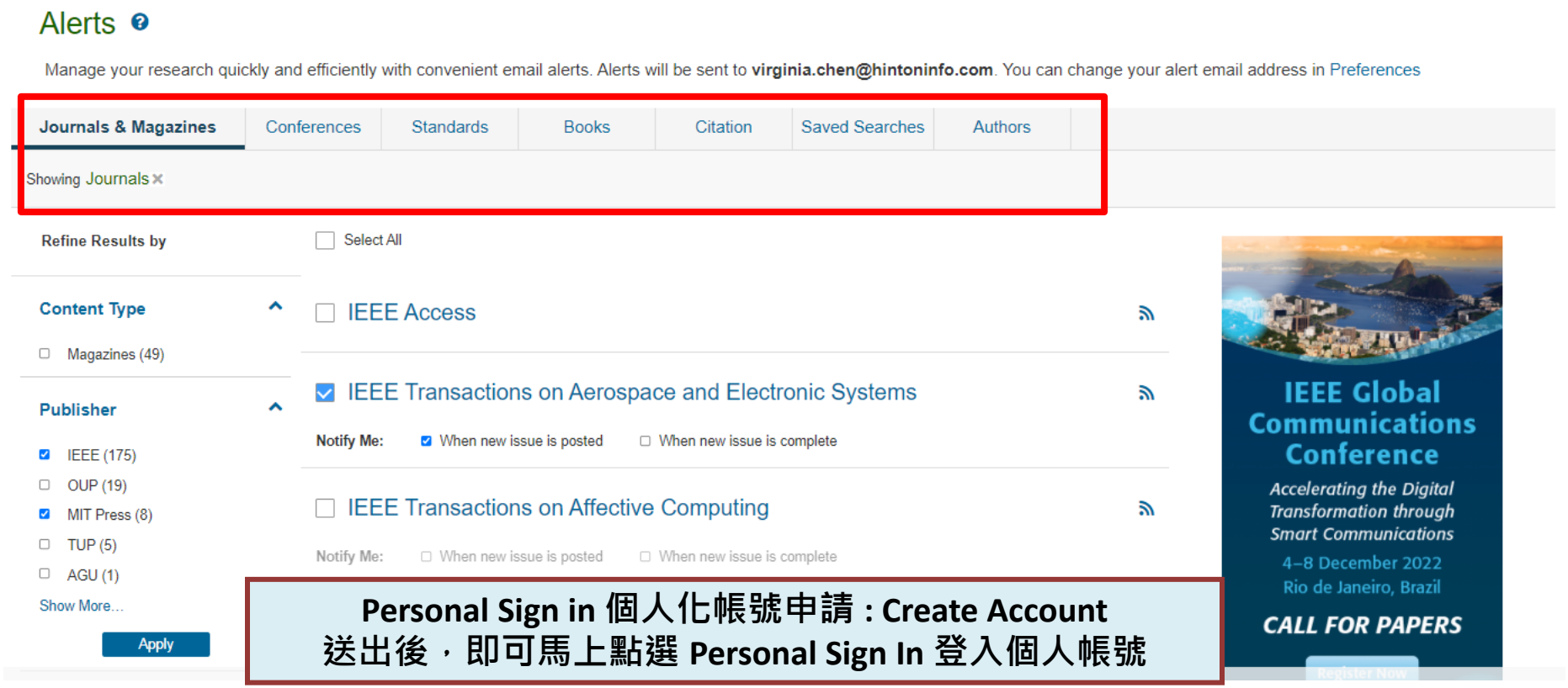
Alerts (1) 出版快報訂閱



Personal Sign in 個人化帳號申請：Create Account
送出後，即可馬上點選 Personal Sign In 登入個人帳號

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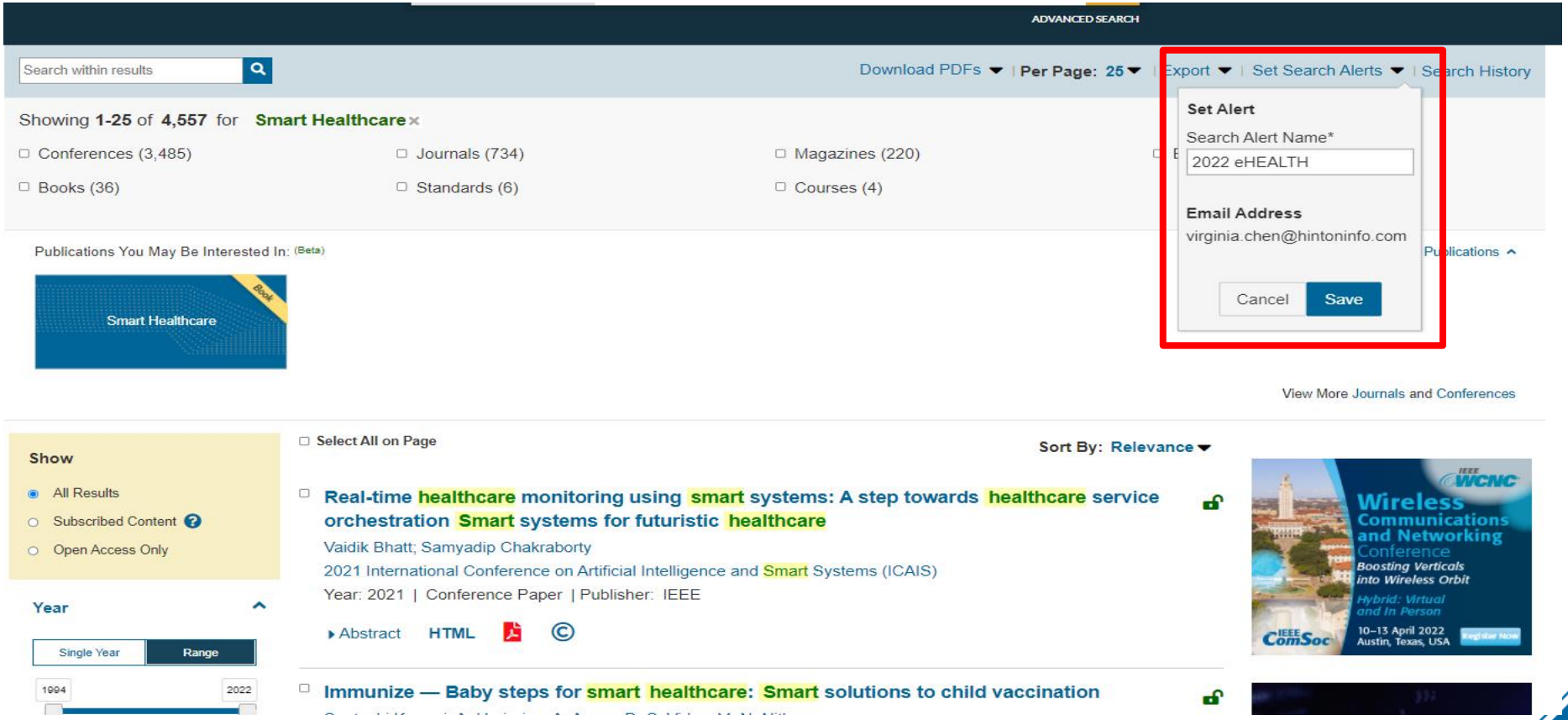
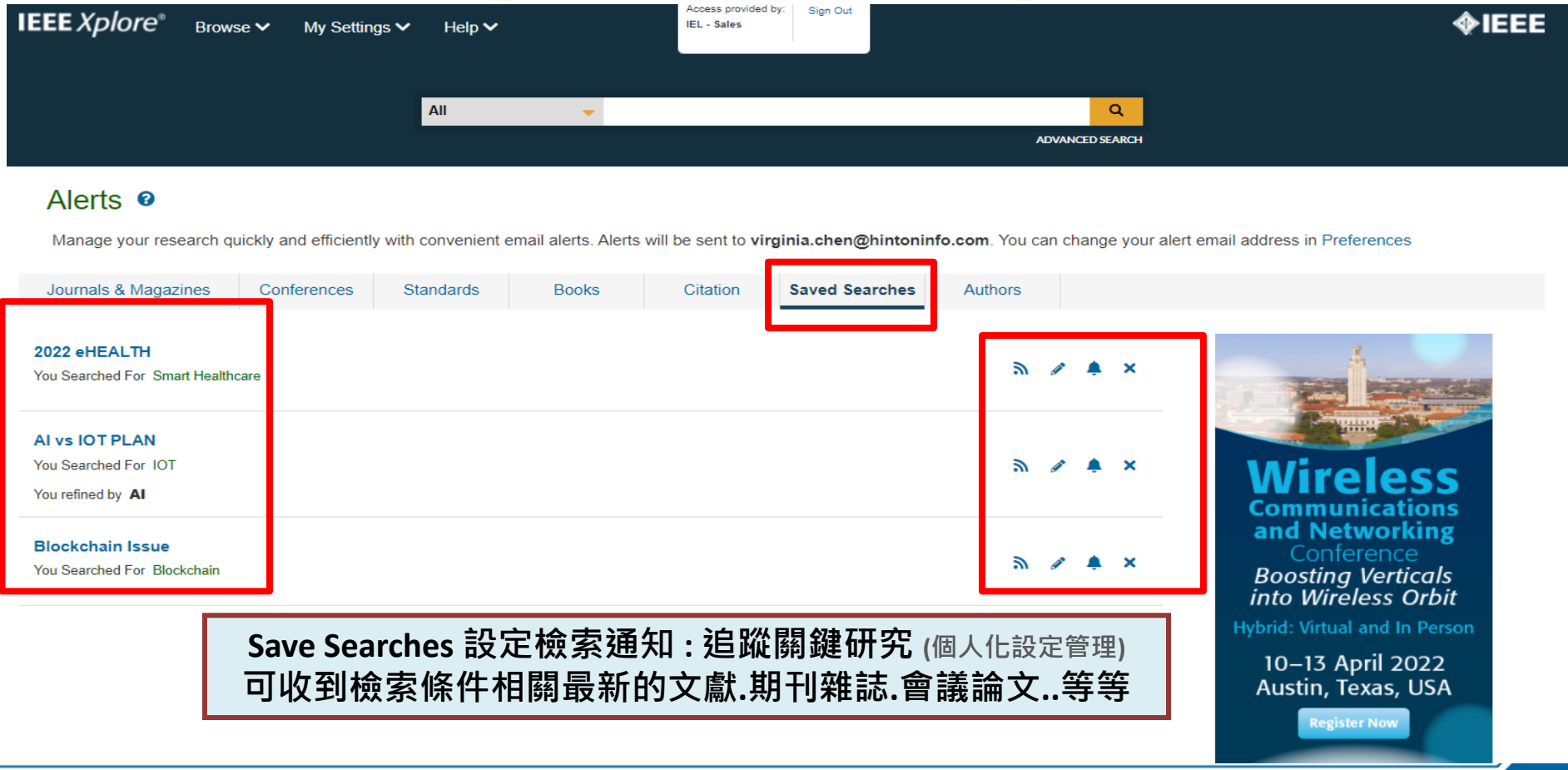
Alerts (2) 檢索條件追蹤
[Set Search Alerts 設定檢索通知]



Alerts (2) 檢索條件追蹤
[Save Searches]



Save Searches 設定檢索通知：追蹤關鍵研究 (個人化設定管理)
可收到檢索條件相關最新的文獻.期刊雜誌.會議論文..等等

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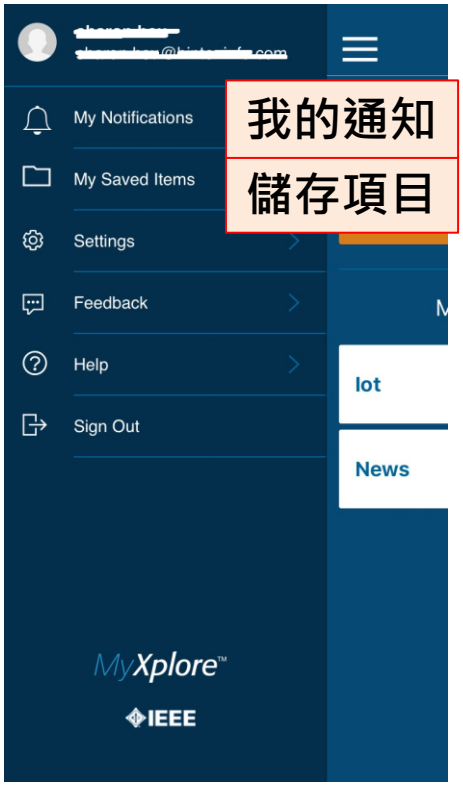
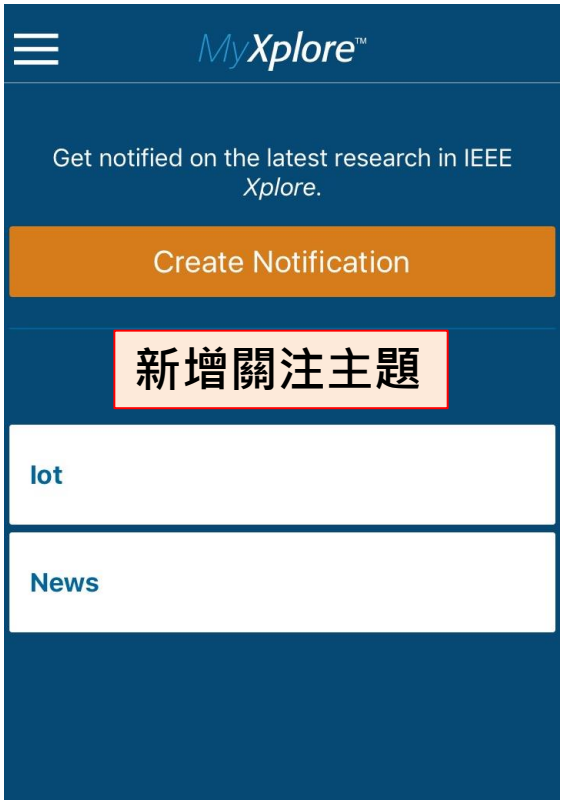
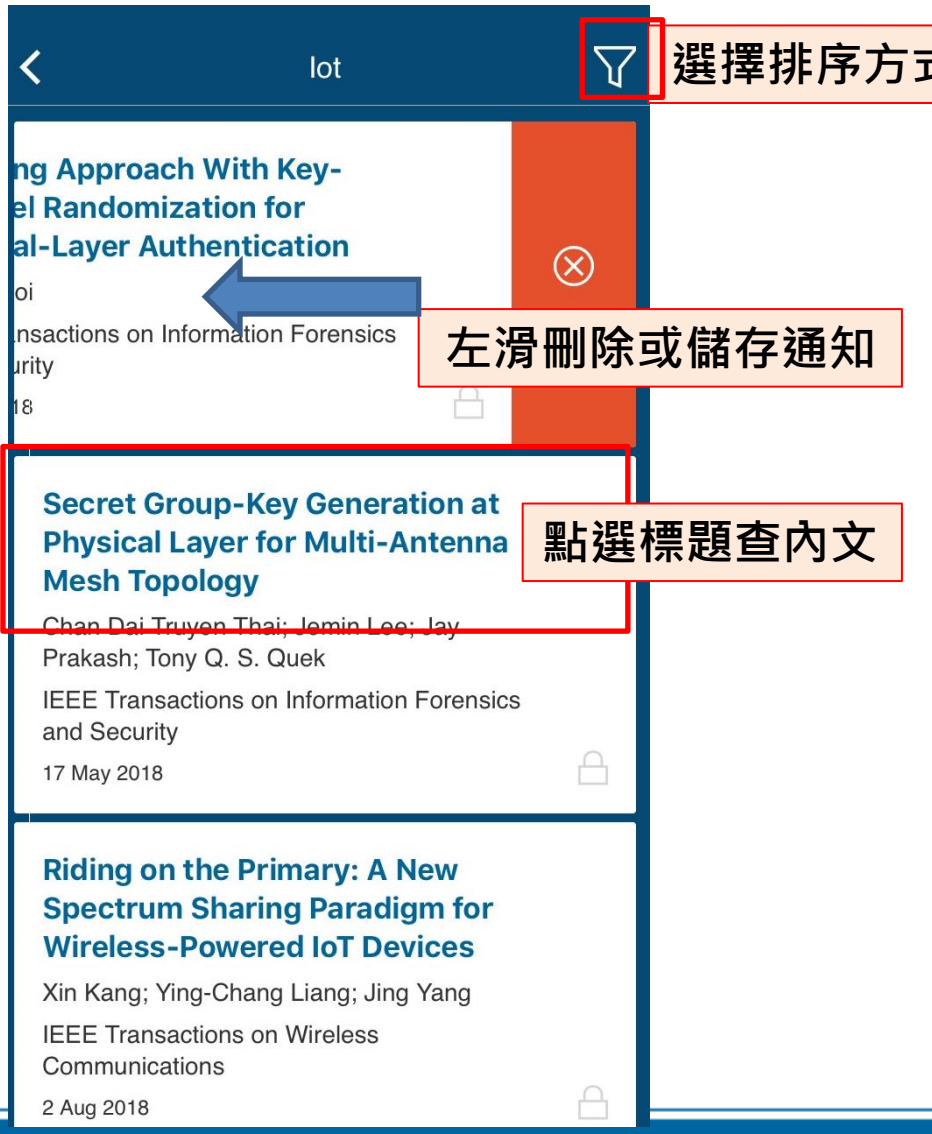
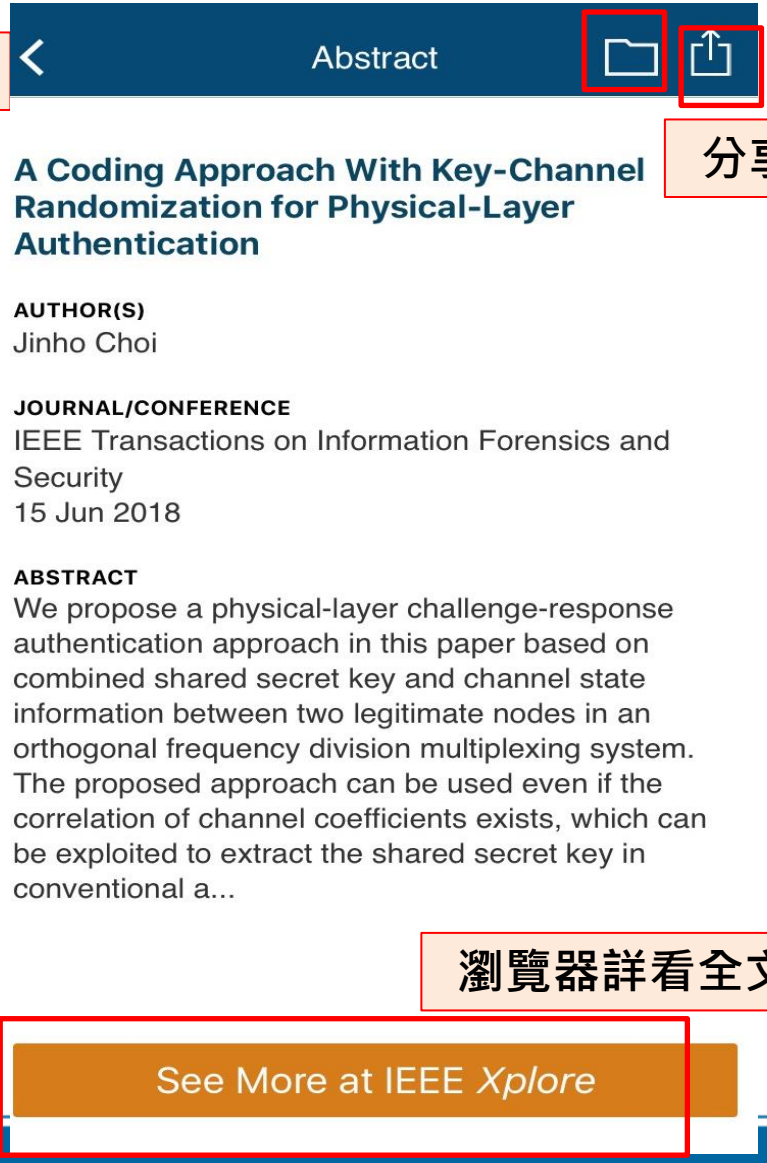
功能列









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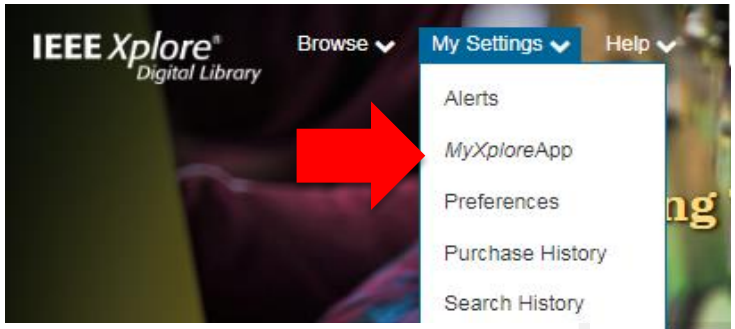

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Secret Group-Key Generation at Physical Layer for Multi-Antenna Mesh Topology

Chan Dai Truyen Thai; Jemin Lee; Jay Prakash; Tony Q. S. Quek

IEEE Transactions on Information Forensics and Security

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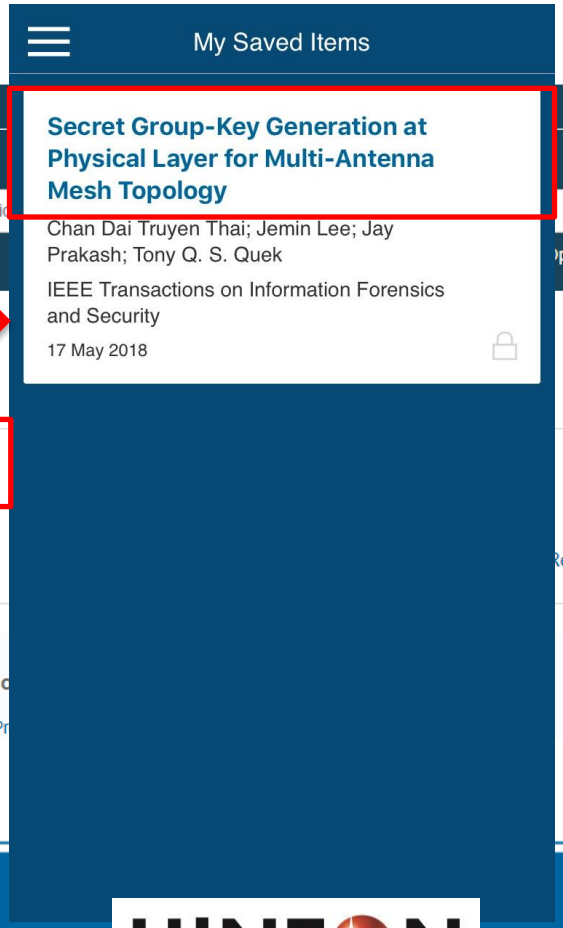

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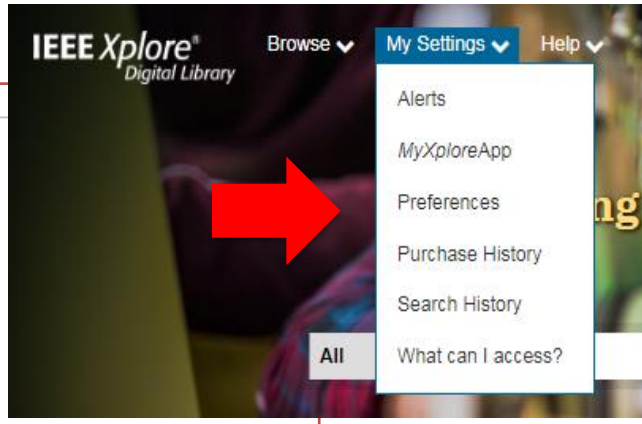
Preference (檢索偏好)



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Search

All Metadata | Full Text & Metadata | Full Text Only

Results Layout

Title Only | **Title & Citation** | Title, Citation & Abstract

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Include

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Format

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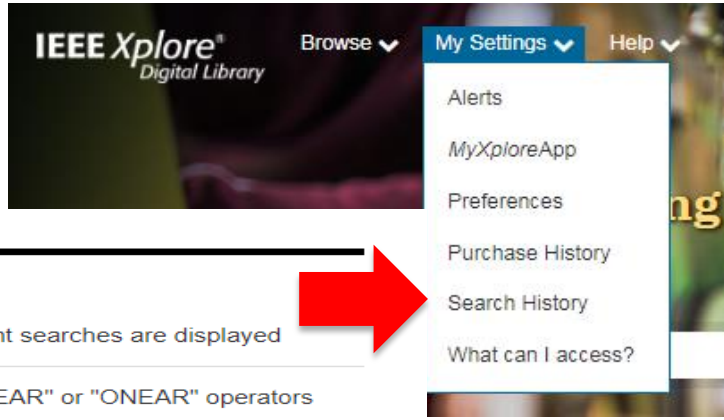
（檢索紀錄）



My Settings > Search History

Search History

Search History Recording On Off

Search History provides an authoritative record of your queries. You can:

- Run, modify, and combine previous searches
- Review refinements and other details of a previous search
- Store up to 50 searches

Tips

Only the 50 most recent searches are displayed

Searches including "NEAR" or "ONEAR" operators cannot be combined

50 Keyword limit for combined searches

7 Wildcard limit for combined searches

Search alerts are not available for combined searches

Select multiple searches to combine them together. Search Export Print

Set #	Search Query	Details Results | Date & Time	
☐ 2	National Taipei University of Technology	13033 | Feb 4, 2021, 3:00:08 PM	✖
☐ 1	Artificial Intelligence	247778 | Feb 4, 2021, 2:55:01 PM	✖

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1. 瀏覽.By Topic.依主題
   * **Bioengineering**
   * **Robotics and Control Systems**
2. 查詢持續出版 (2020-2022年)
   感興趣的或是跟您研究
   相關的期刊
3. 瀏覽.檢索.開啟 :

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Citation Map

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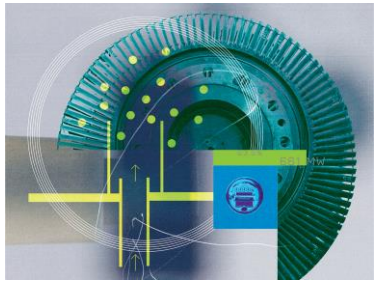
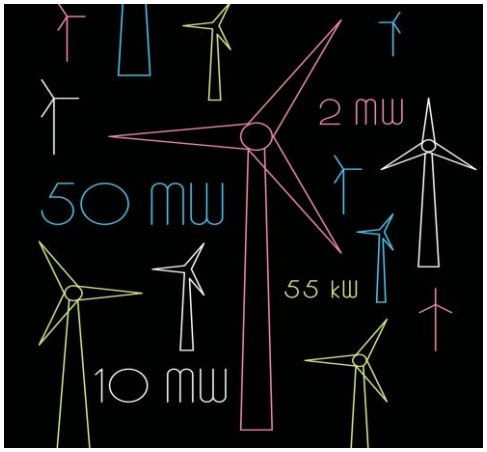
2. 請下載 並 開啟 **HTML** 快速預覽：





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3. 滾雪球.研究方法： Citation Map 相關文獻瀏覽

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操作練習: 檢索功能

1. 用檢索功能。關鍵字 : **Blockchain**。
   關鍵字 : **IOT**。年代 : **2015-2022**
   查找 *被期刊引用次數最高的文章。

2. 請開啟並下載 :

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導航系統 : Navigation System	流體力學 : Fluid mechanics	綠色能源開發 : Green-Energy Exploration
光子學和電光學 : Photonics & Electro-Optics	智慧控制 Intelligent Control	生物識別系統 : Biometric Systems
醫療科技輔具 : Medical Assistive Tech	電力和電子 : Power Electronics	雷達感測技術 : Radar Sensing Technology
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供應鏈管理 : (SCM) Supply Chain Management	機器人 : Robotics	3D列印技術 : 3D Printing Technology
智慧型遠端監控 : Smart Remote Monitoring	雲端運算 : Cloud Computing	人因工程 : Human Factors Engineering
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有機光電元件 : OLED, Solar Cell	馬達驅動 : Motor Drive	光纖通訊 : Fiber Optic Communication
天線工程 Antenna Engineering	無線射頻辨識 : RFID	有機發光二極體 : OLED : Light-Emitting Diode
集成電路 Integrated Circuit	區塊鏈 : Blockchain	光纖雷射 / 光纖感測 : Fiber laser / Fiber Sensing
雷達信號處理 : Radar Signal Processing	傳感器系統 : Sensor Systems	超大型積體電路 : (VLSI) Very-Large-Scale integration

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