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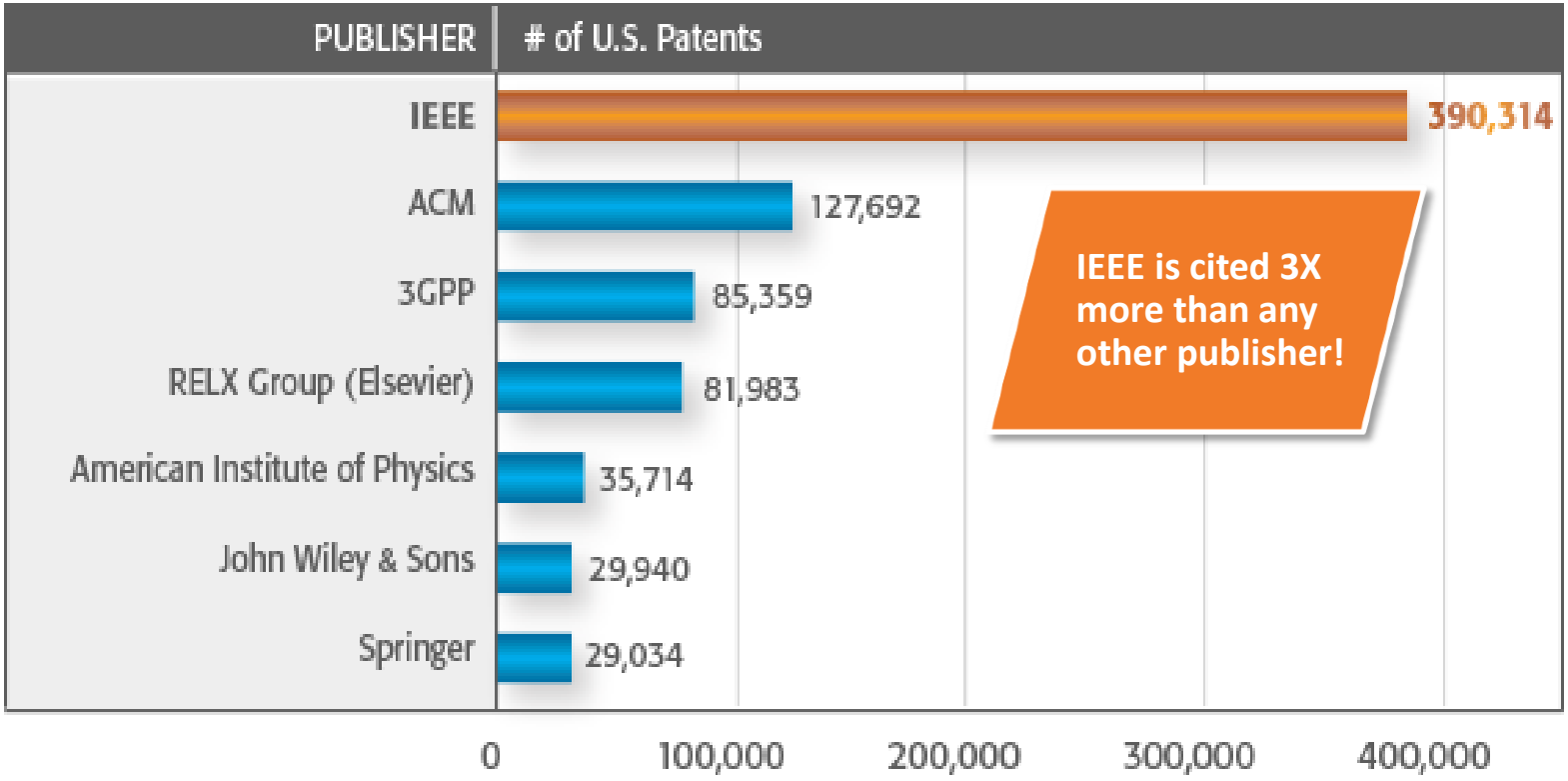

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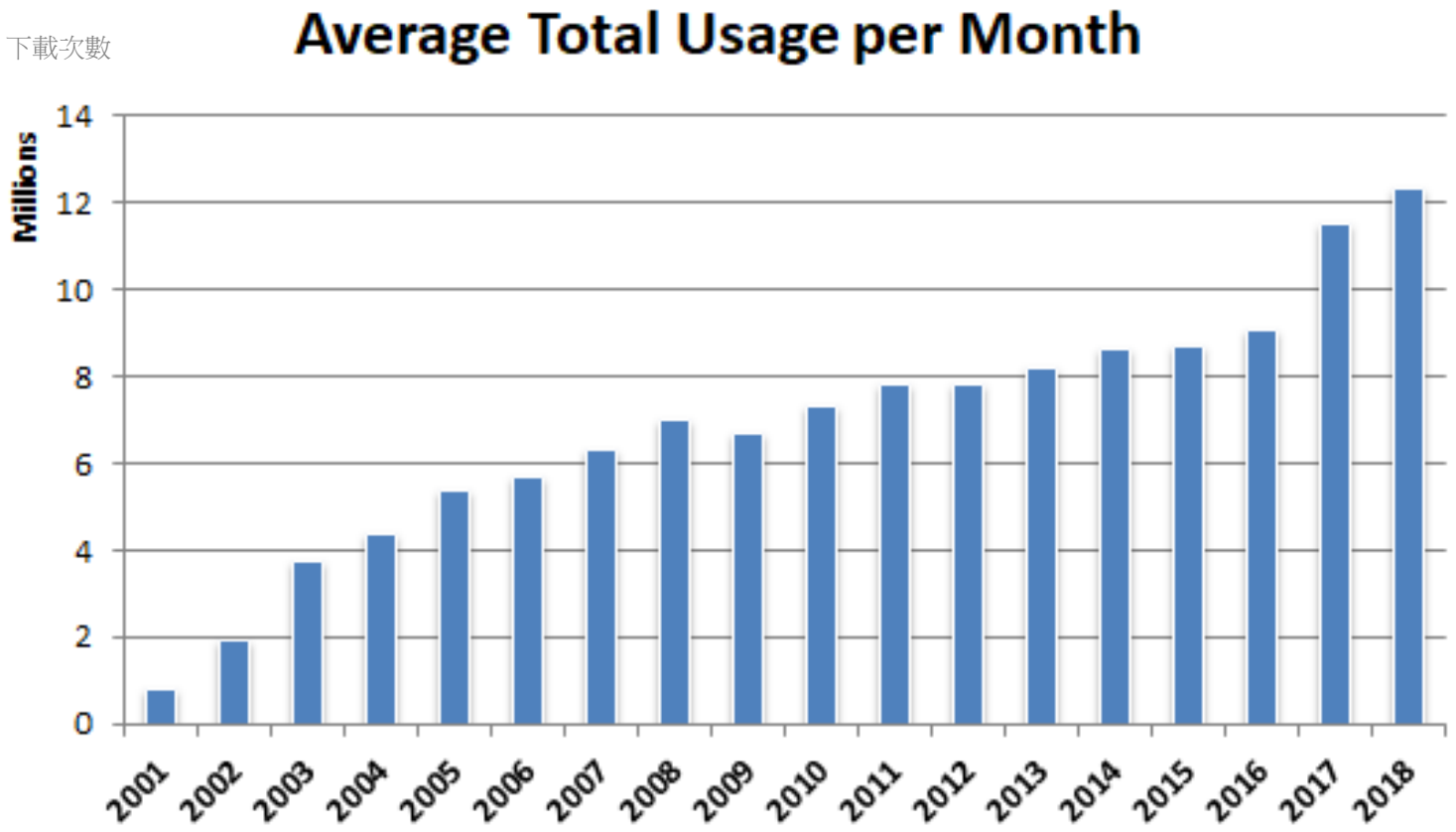

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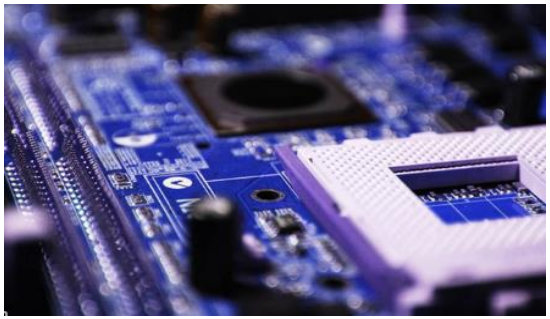

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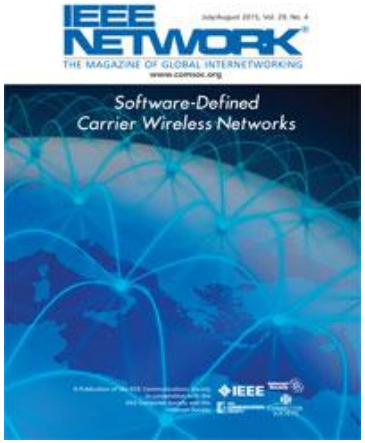

- IEEE Journal on Miniaturization for Air and Space Systems
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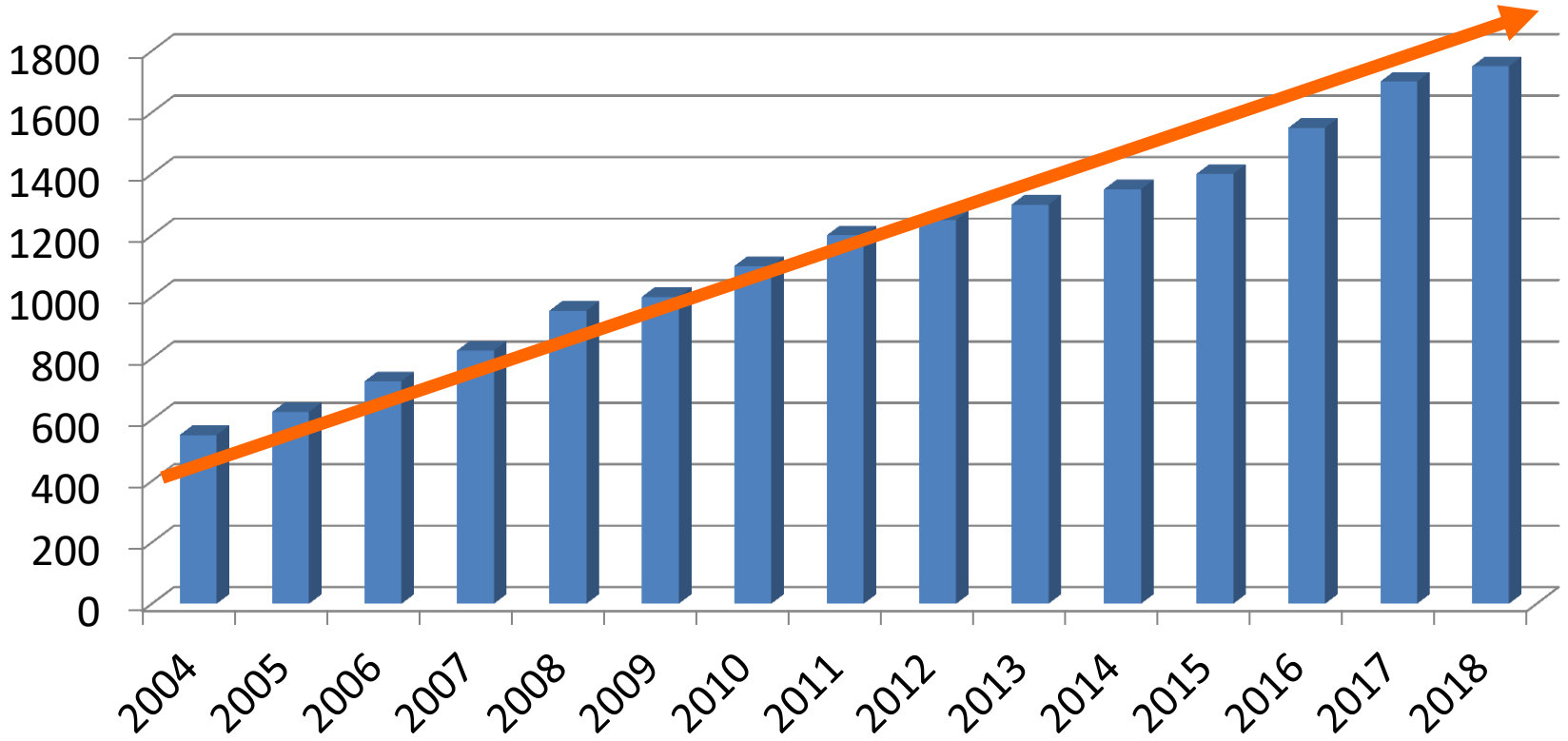

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IEEE Asia **Power and Energy** Engineering Conference (APEEC)

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International Conf. on **Control of Dynamical and Aerospace Systems** (XPOTRON)
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IEEE International Conf. on Industry 4.0, **Artificial Intelligence, and Communications Technology** (IAICT)
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- 標準制定內容包含試驗方法、符號、定義以及測試方法等領域。
- 常見標準:

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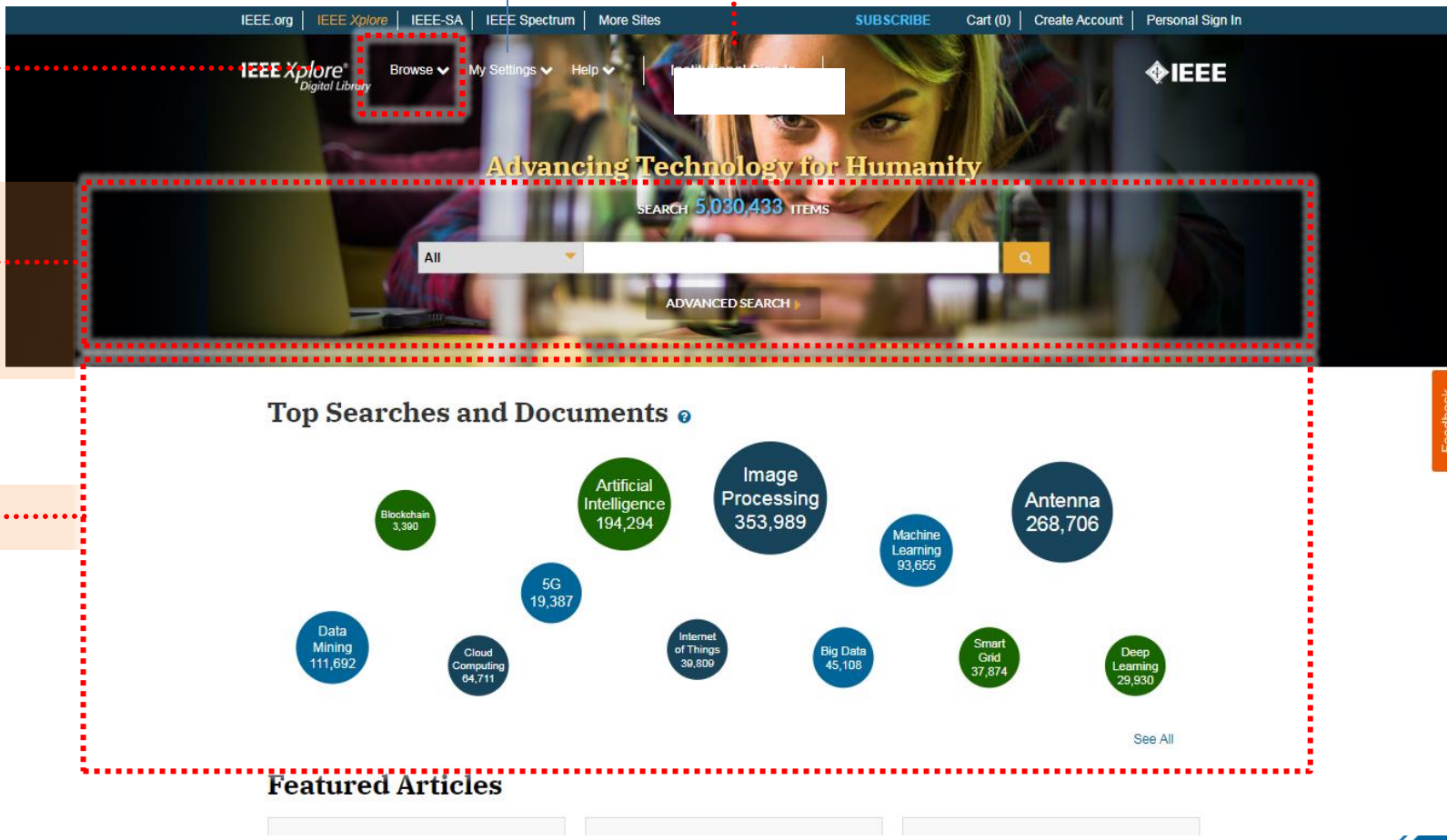

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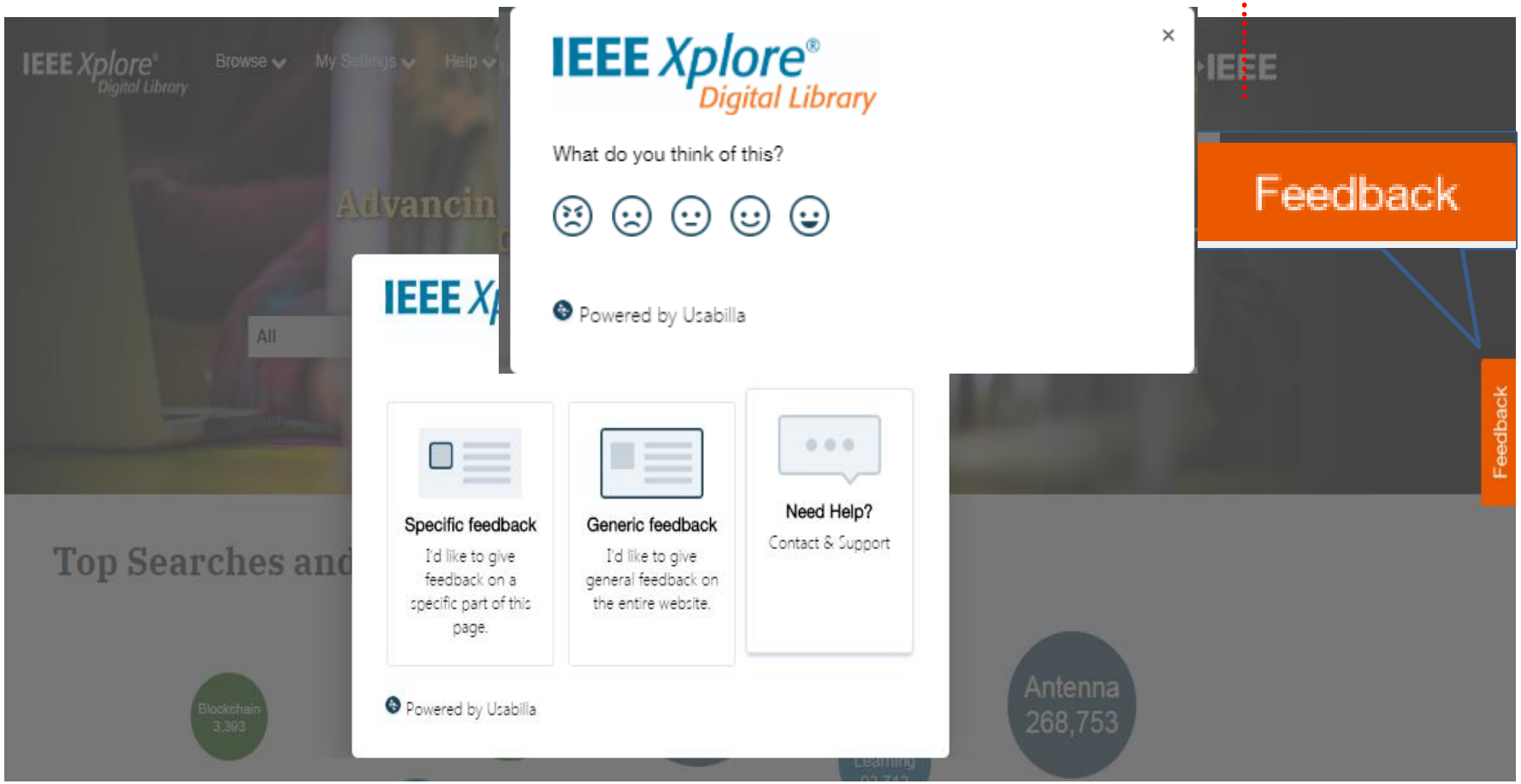

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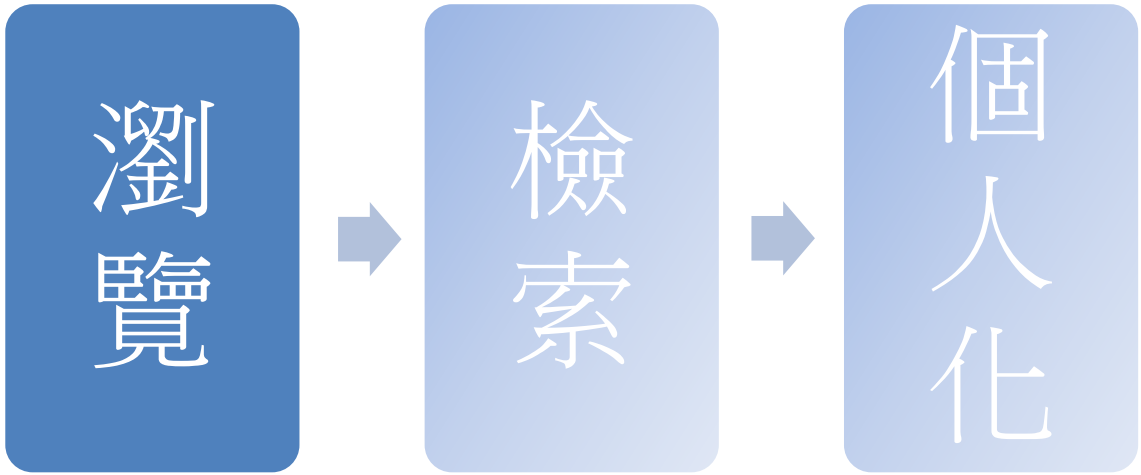

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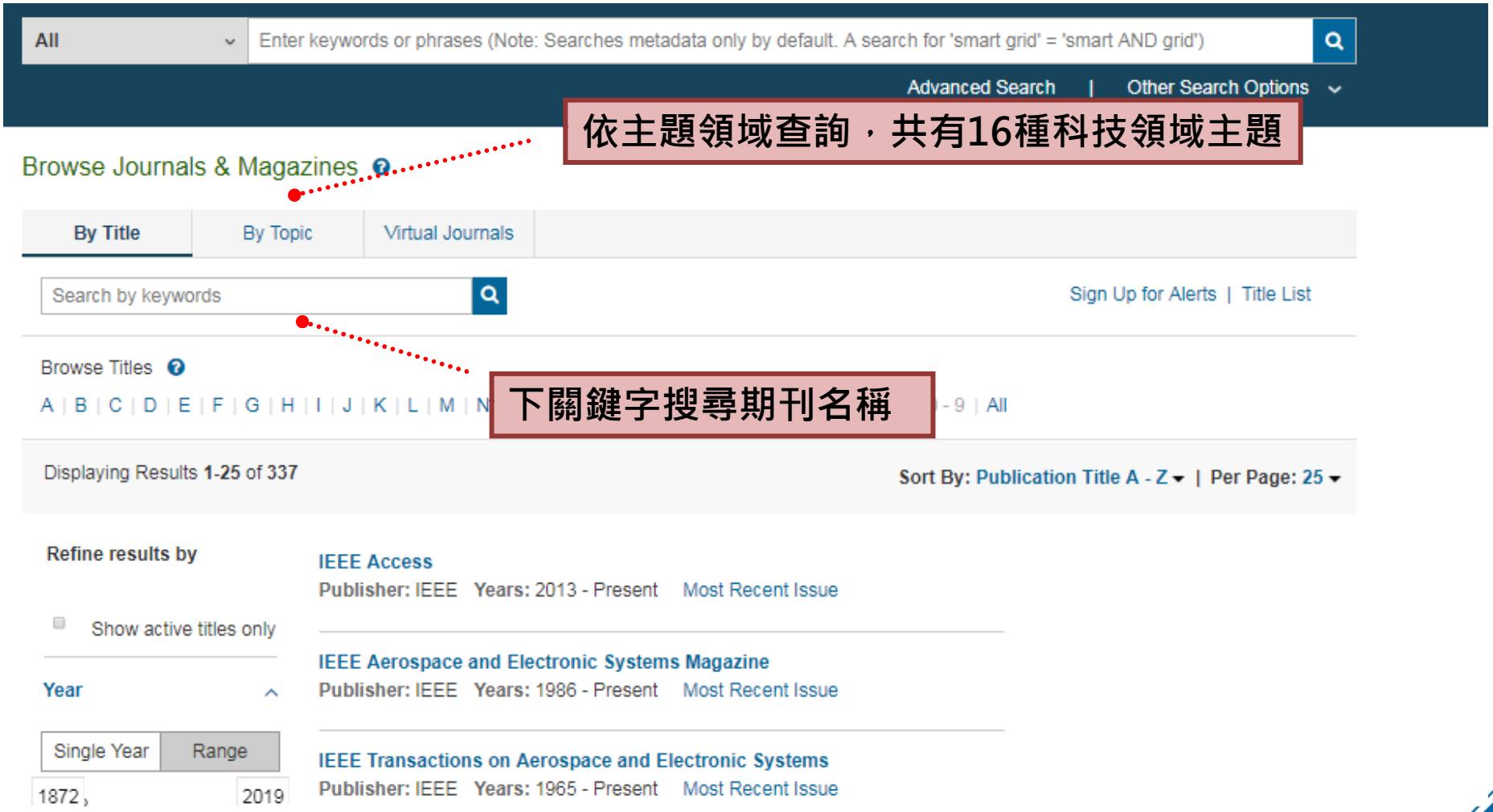

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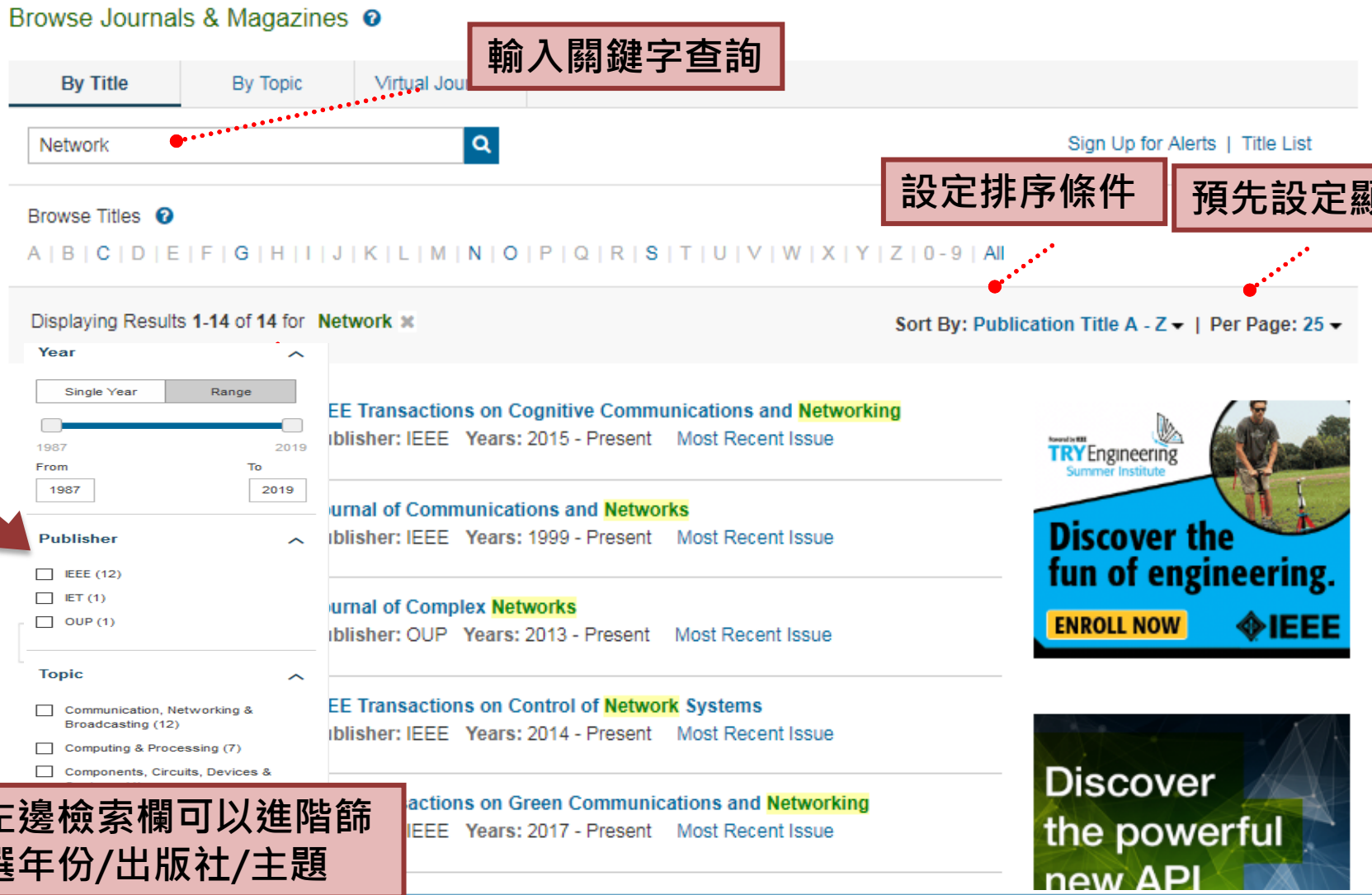

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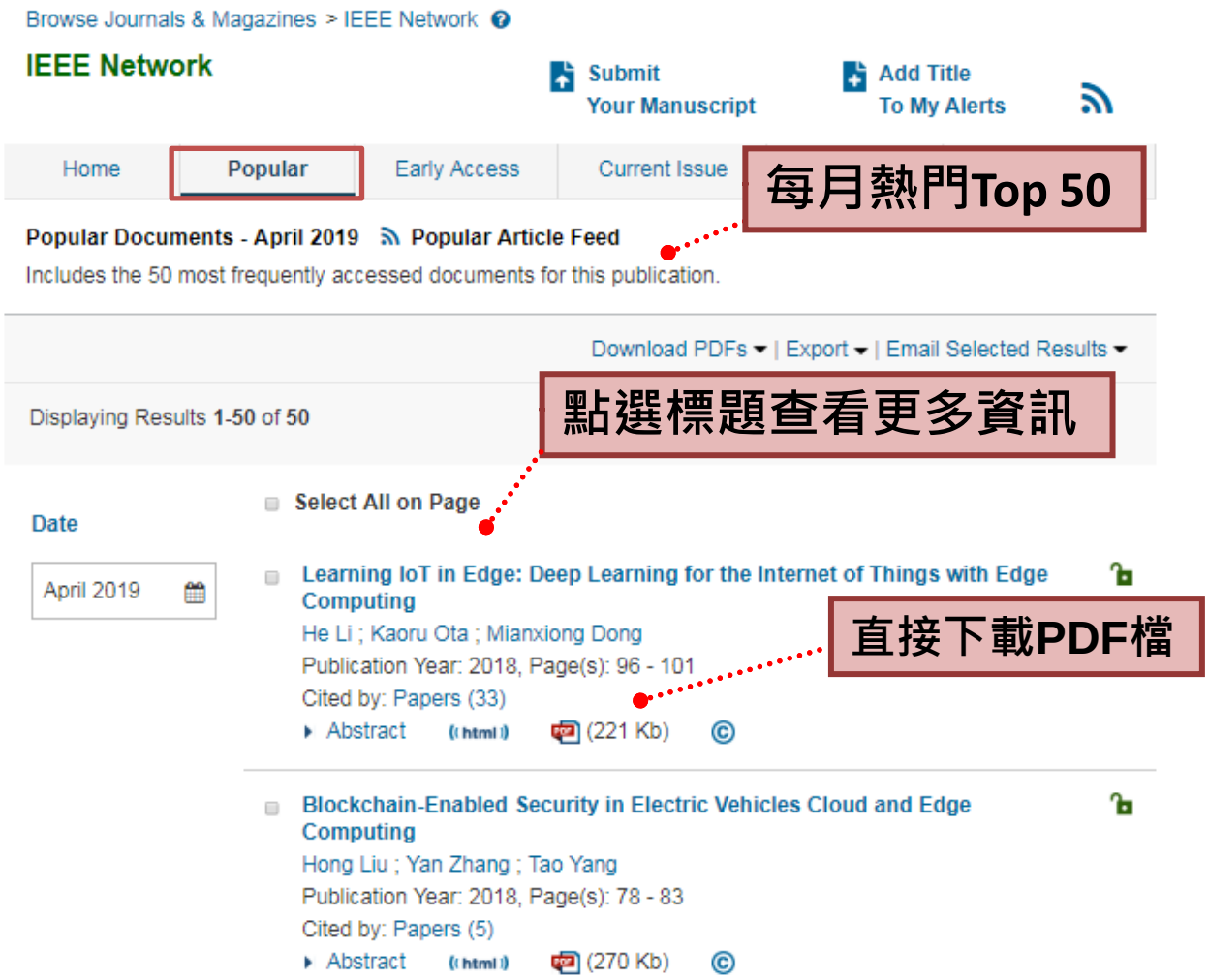
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1. Introduction
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Deep learning is a promising approach for extracting accurate information from raw sensor data from IoT devices deployed in complex environments. Because of its multilayer structure, deep learning is also appropriate for the edge computing environment. Therefore, in this article, we first introduce deep learning for IoTs into the edge computing environment. Since existing edge nodes have limited processing capability, we also design a novel offloading strategy to optimize the performance of IoT deep learning applications with edge computing. In the performance evaluation, we test the performance of executing multiple deep learning tasks in an edge computing environment with our strategy. The evaluation results show that our method outperforms other optimization solutions on deep learning for IoT.

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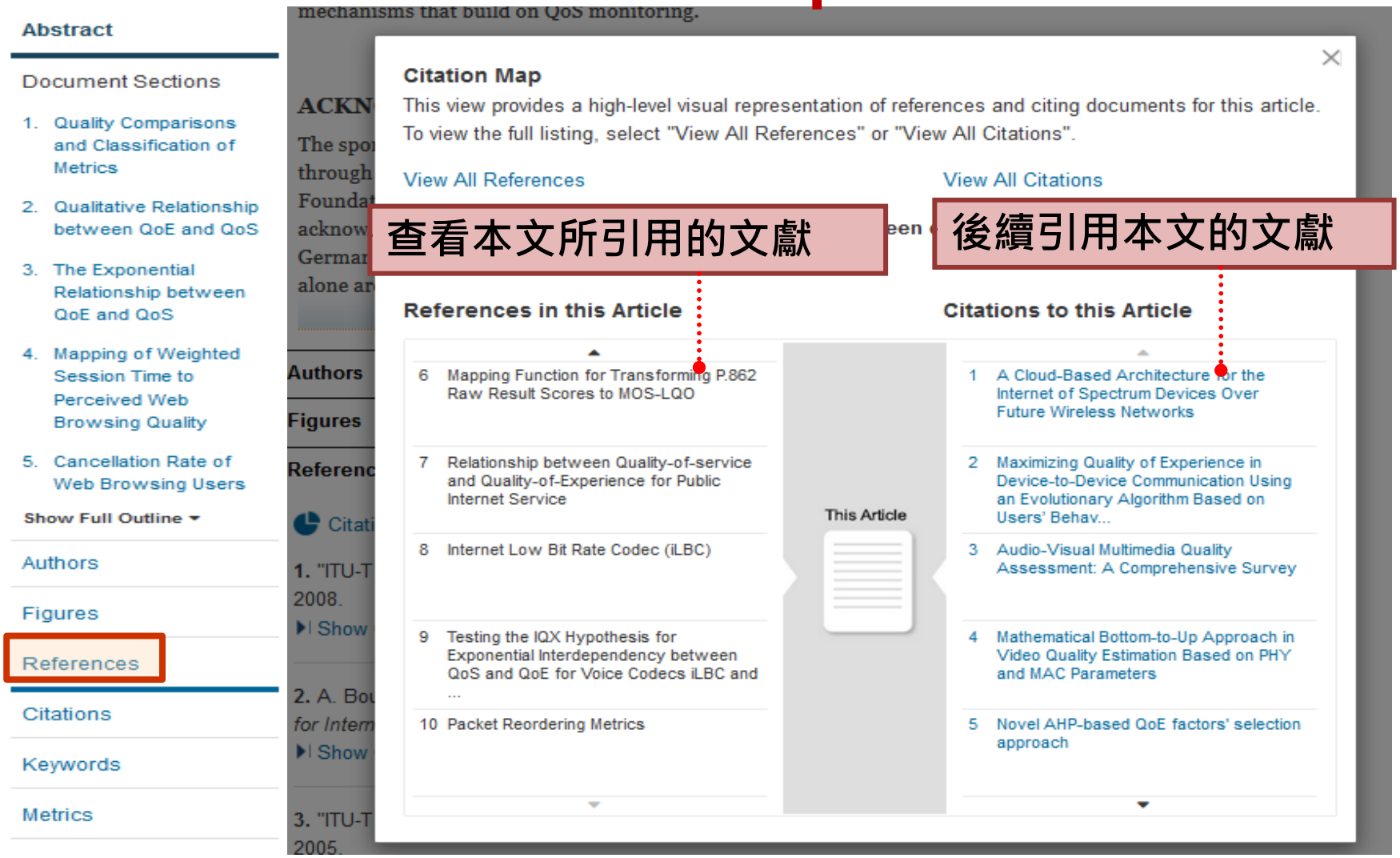

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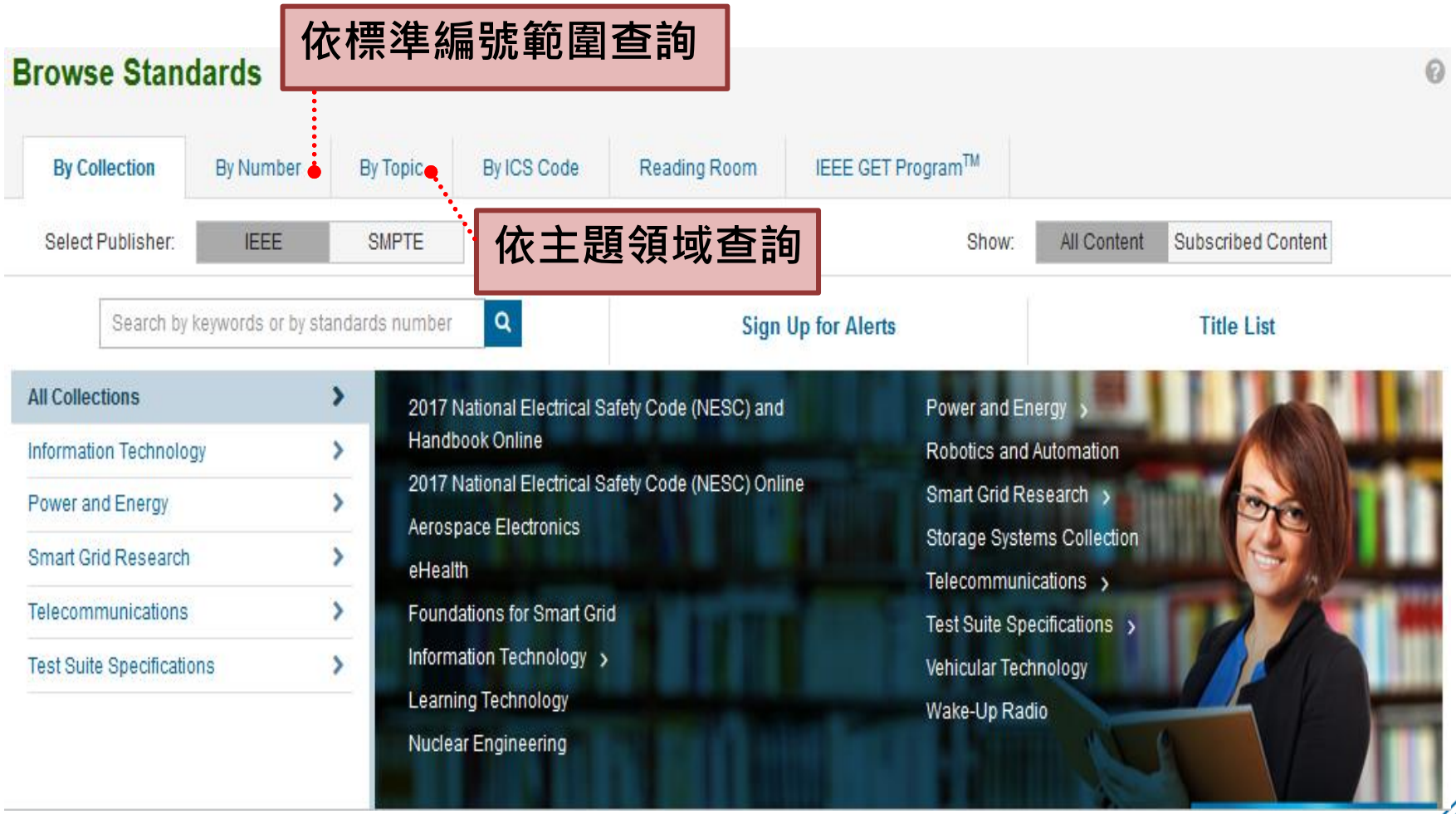

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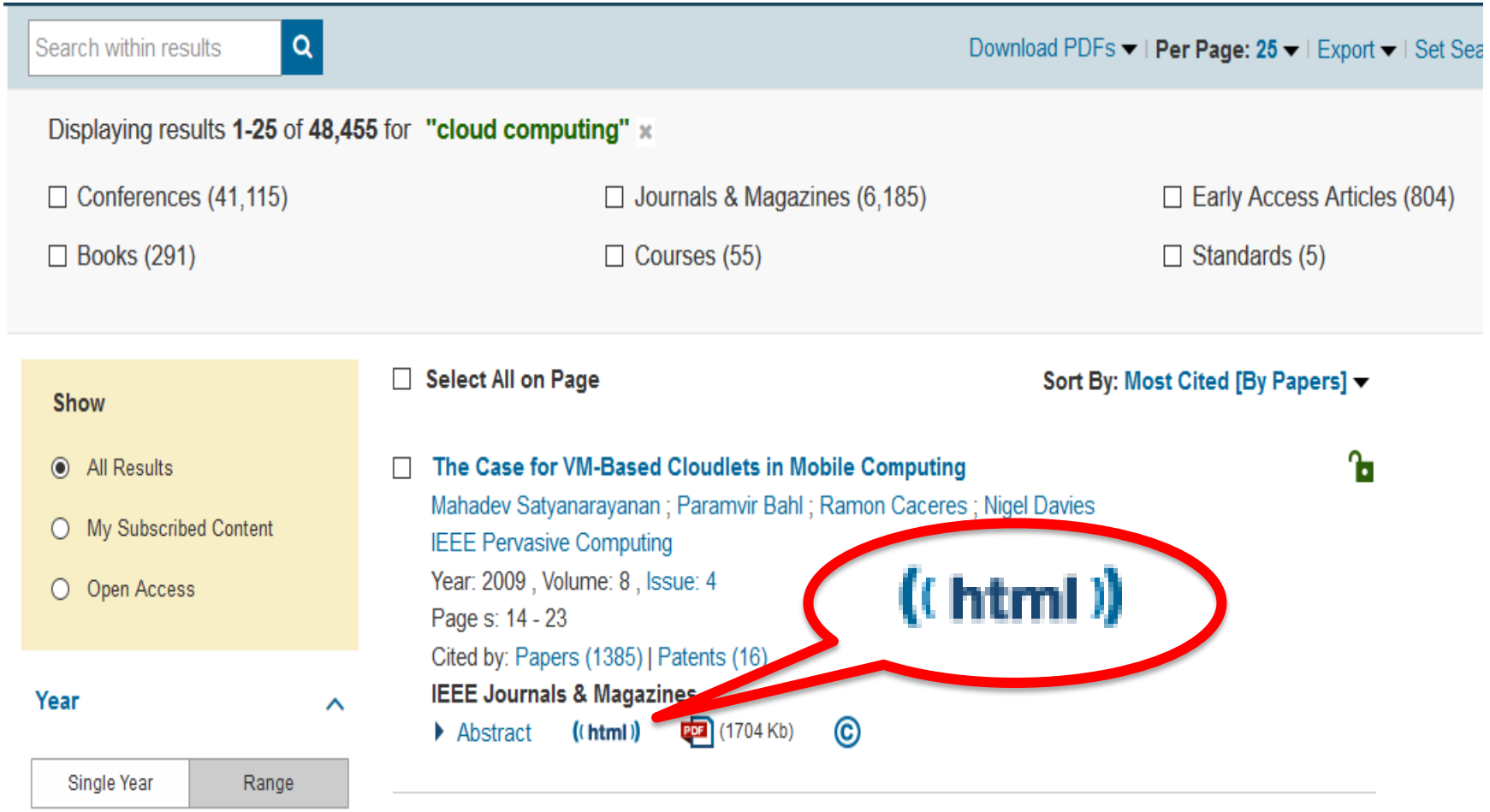

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2 Author(s) Karthik Kumar ; Yung-Hsiang Lu View All Authors

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Abstract:
The cloud heralds a new era of computing where application services are provided through the Internet. Cloud computing can enhance the computing capability of mobile systems, but is it the ultimate solution for extending such systems' battery lifetimes?

Published in: Computer (Volume: 43 , Issue: 4 , April 2010)

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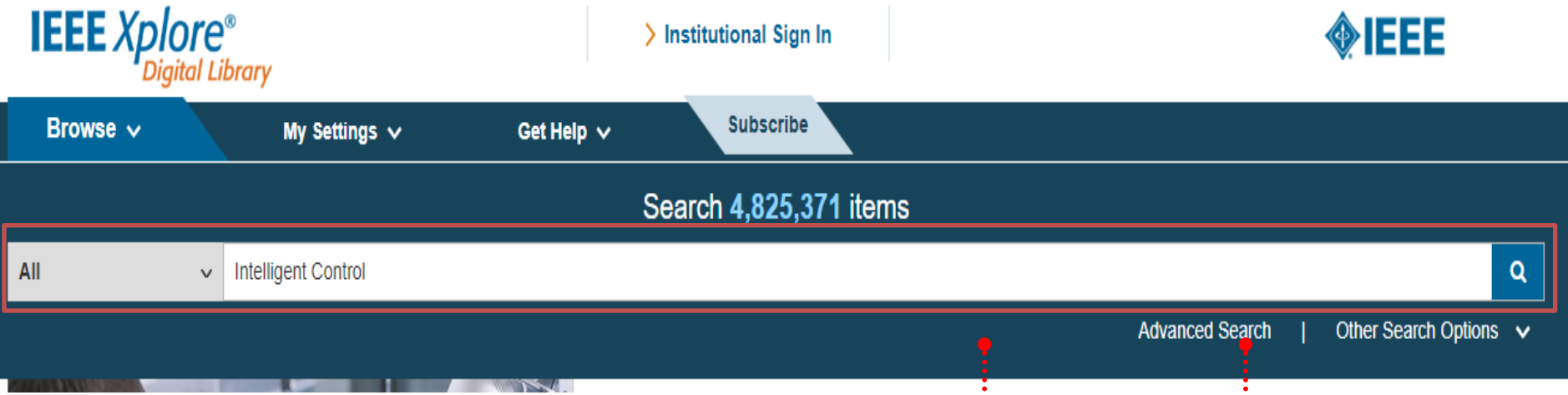


進階檢索　其他檢索

基本檢索Basic Search-更精確的檢索結果

1.直接輸入關鍵字
2.關鍵字輸入引號更加精確
3.可輸入布林邏輯指令
AND、OR、NOT

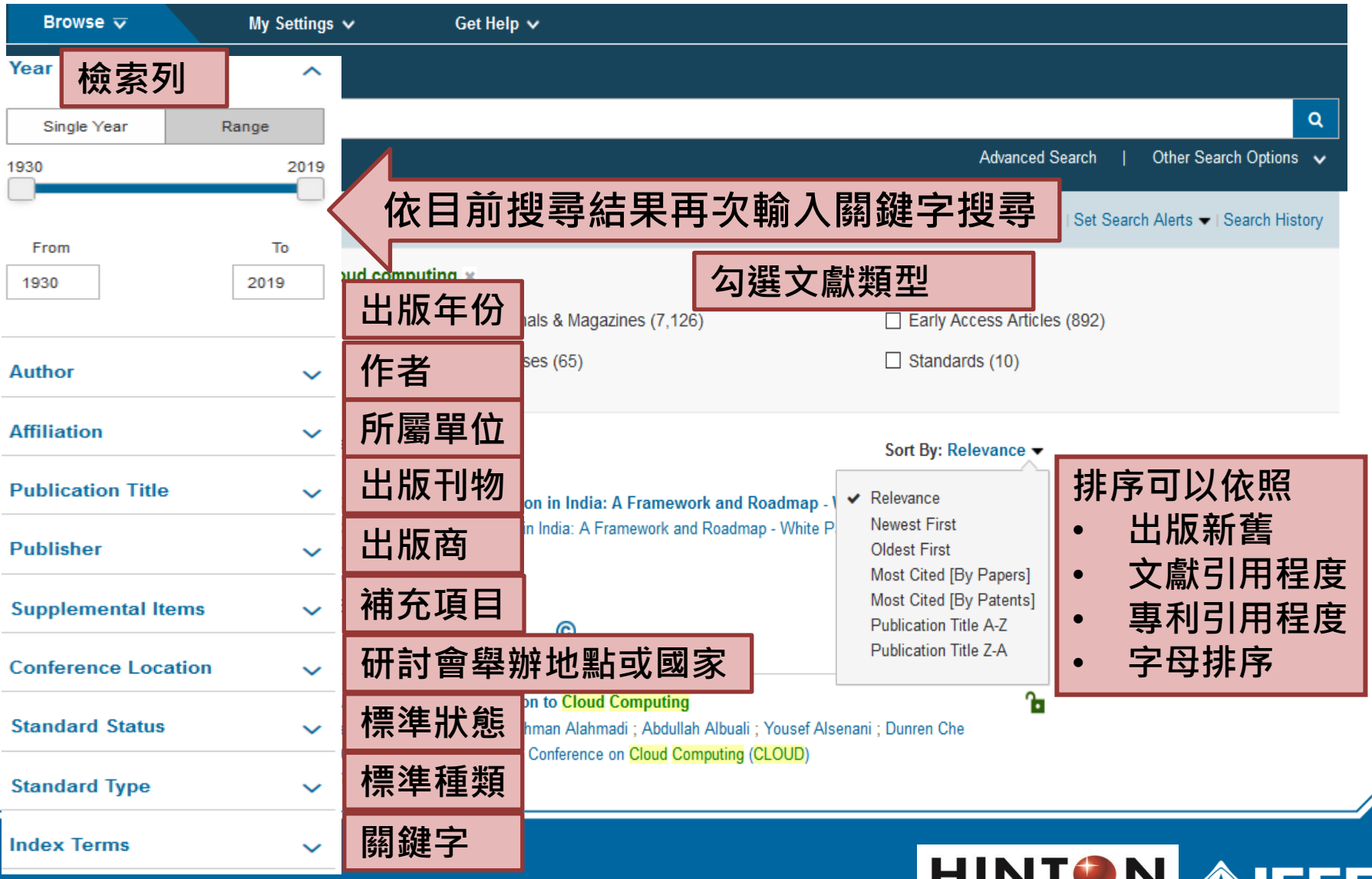
未使用引號:cloud computing

C-Cloud: A Cost-Efficient Reliable Cloud of Surplus Computing Resources
Partha Dutta ; Tridib Mukherjee ; Vinay Gangadhar Hegde ; Sujit Gujar
2014 IEEE 7th International Conference on Cloud Computing

使用引號:”cloud computing”

A "No Data Center" Solution to Cloud Computing
Tessema Mengistu ; Abdulrahman Alahmadi ; Abdullah Albuali ; Yousef Alsenani ; Dunren Che
2017 IEEE 10th International Conference on Cloud Computing (CLOUD)

Basic Search 基本檢索



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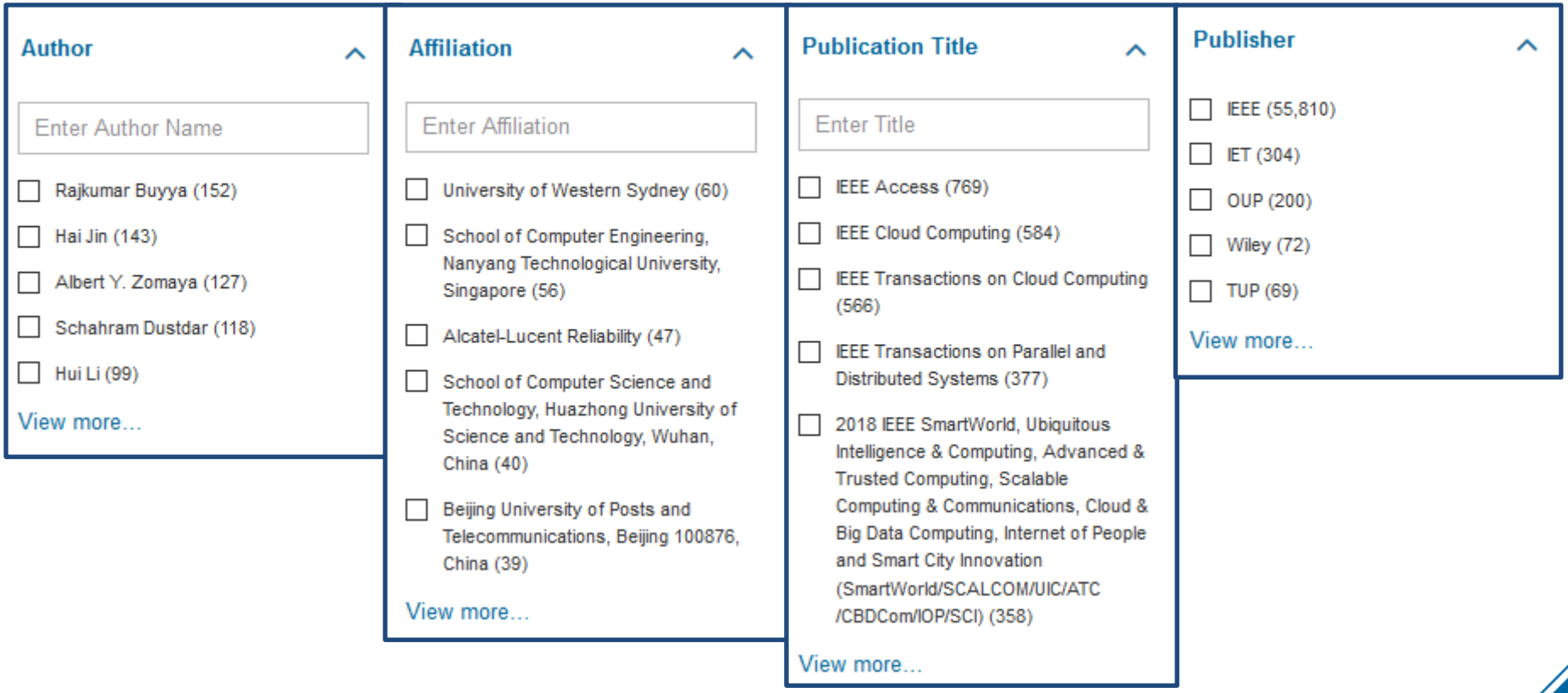
多重檢索範圍總結

更加精確的搜索及利用更多選項來擴大結果

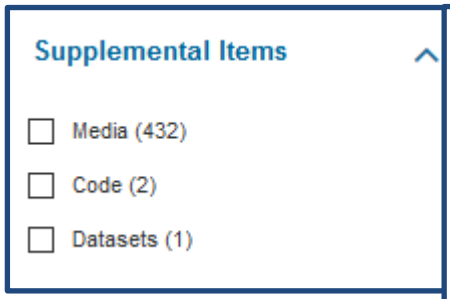
作者 | 所屬單位 | 出版品標題 | 出版商



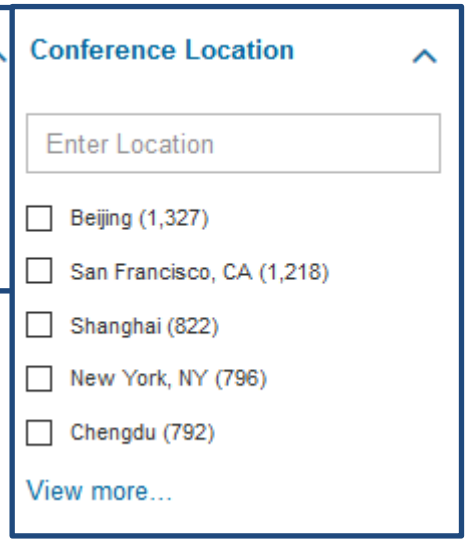
多重檢索範圍總結

更加精確的搜索及利用更多選項來擴大結果

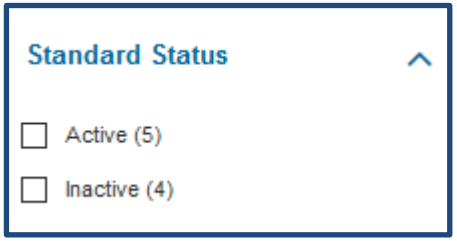
補充項目



研討會舉辦地點

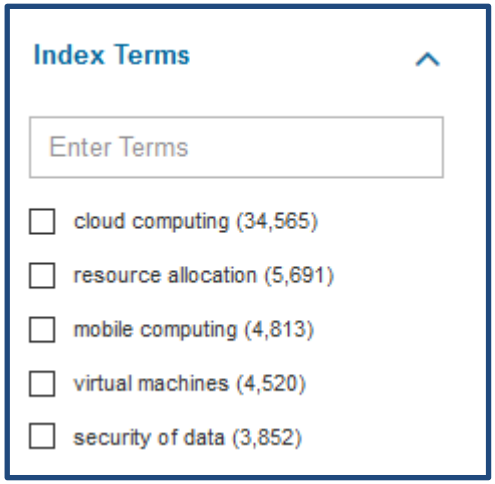


標準狀態

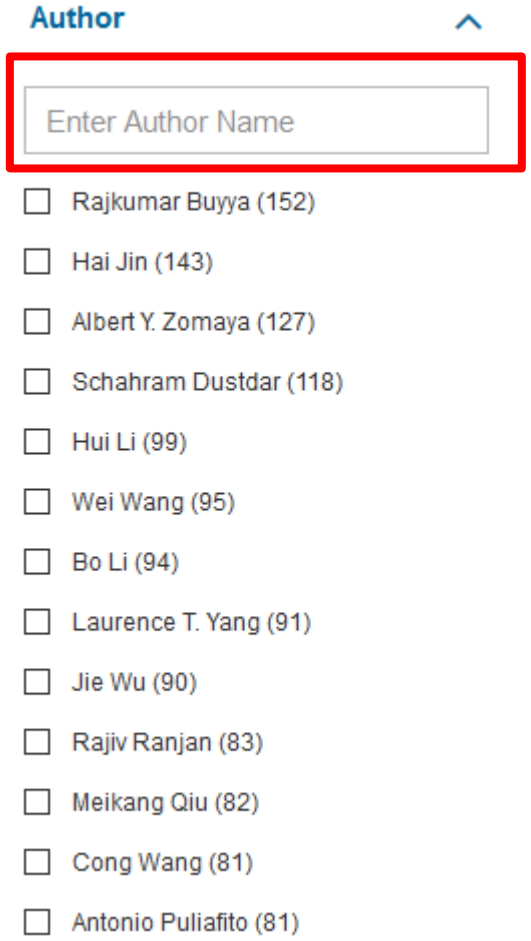


標準種類

關鍵字



作者檢索與分析

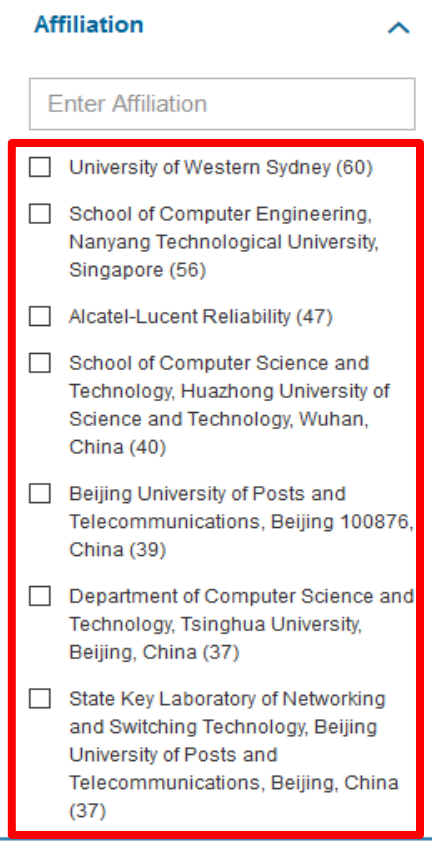


快速定位該領域專家

顯示發表文章數量最高的前25位作者

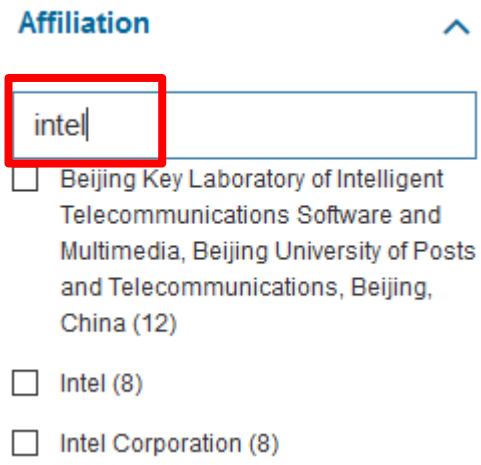
機構檢索與分析

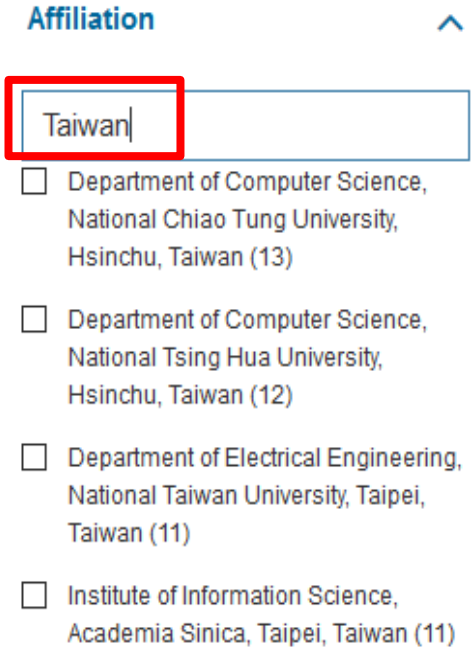
快速定位該領域的領先研究機構；深度了解該關注的研究機構，為申請學校和進入公司做準備



前25名出版機構

可檢索機構名、地名和國家





多重縮小檢索範圍

了解哪些期刊、會議可能是投稿對象

Publication Title

Enter Title

- IEEE Access (769)
- IEEE Cloud Computing (584)
- IEEE Transactions on Cloud Computing (566)
- IEEE Transactions on Parallel and Distributed Systems (377)
- 2018 IEEE SmartWorld, Ubiquitous Intelligence & Computing, Advanced & Trusted Computing, Scalable Computing & Communications, Cloud & Big Data Computing, Internet of People and Smart City Innovation (SmartWorld/SCALCOM/UIC/ATC /CBDCom/IOP/SCI) (358)

Publisher

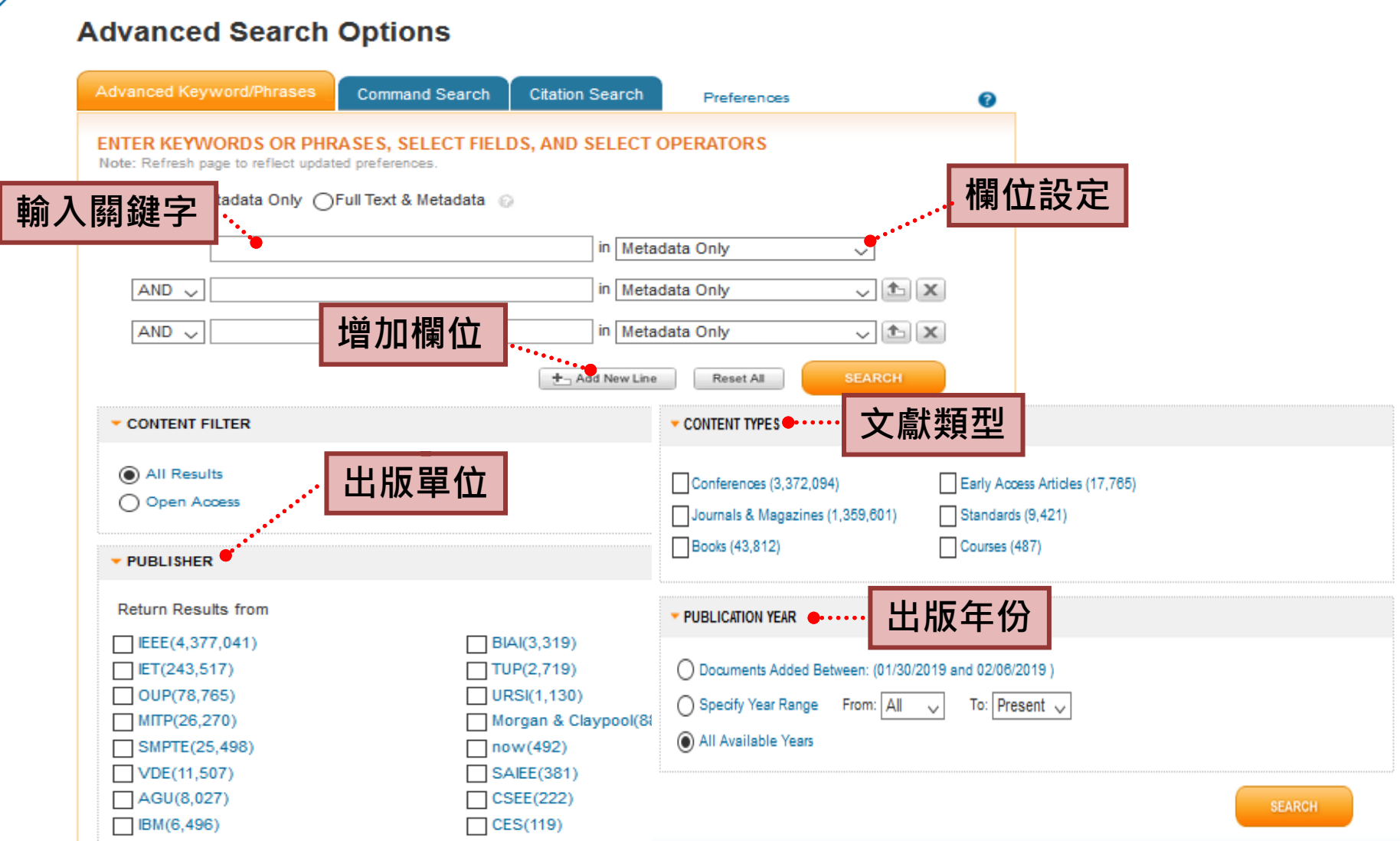
- IEEE (55,810)
- IET (304)
- OUP (200)
- Wiley (72)
- TUP (69)
- IBM (65)
- MITP (48)
- SMPTE (43)
- VDE (19)
- Morgan & Claypool (16)
- AGU (14)
- Nokia Bell Labs (14)

Conference Location

Enter Location

- Beijing (1,327)
- San Francisco, CA (1,218)
- Shanghai (822)
- New York, NY (796)
- Chengdu (792)
- Guangzhou (734)
- London (723)
- Washington, DC (678)
- Hangzhou (642)
- Singapore (642)
- Noida (628)

Advanced Search 進階檢索



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操作練習: 檢索功能

1. **用檢索功能。**
關鍵字 : **Big Data** 。年代 : **2017-2019**年
查找 *被期刊引用次數高* 的文章。

2. **請開啟並下載 :**

PDF

html

Download Citations

3. **滾雪球研究 :** Citation Map 相關文獻瀏覽

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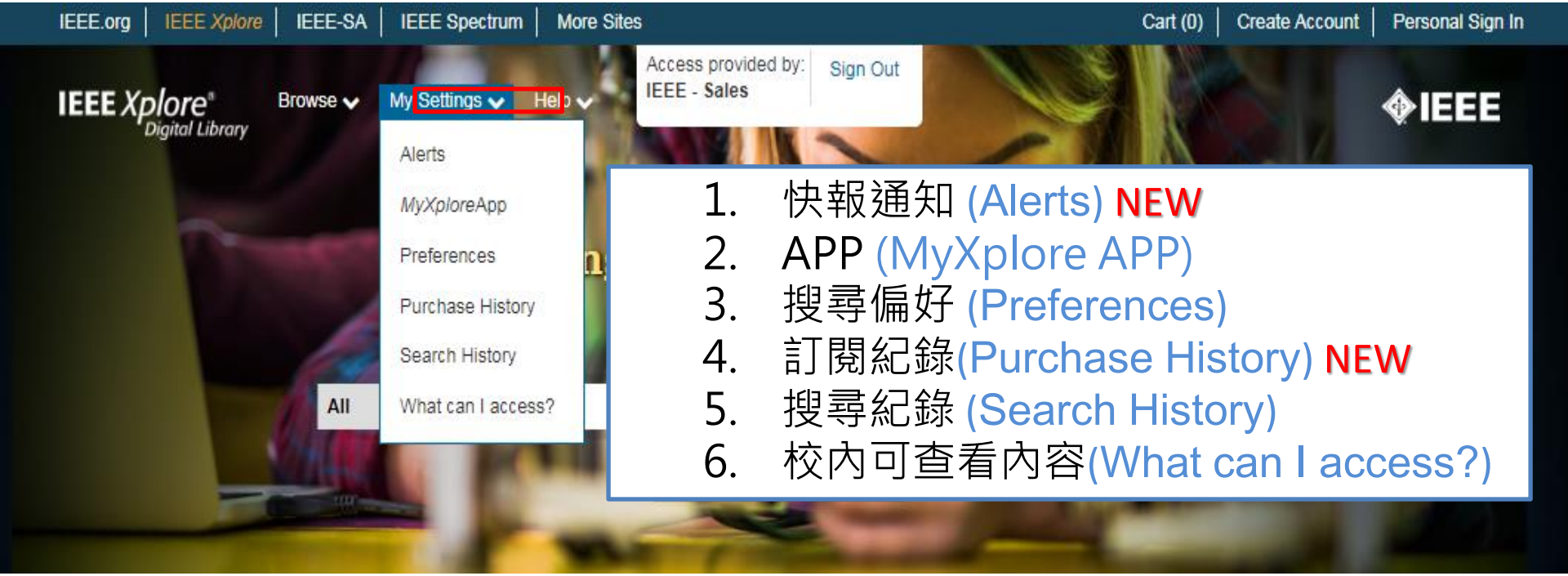
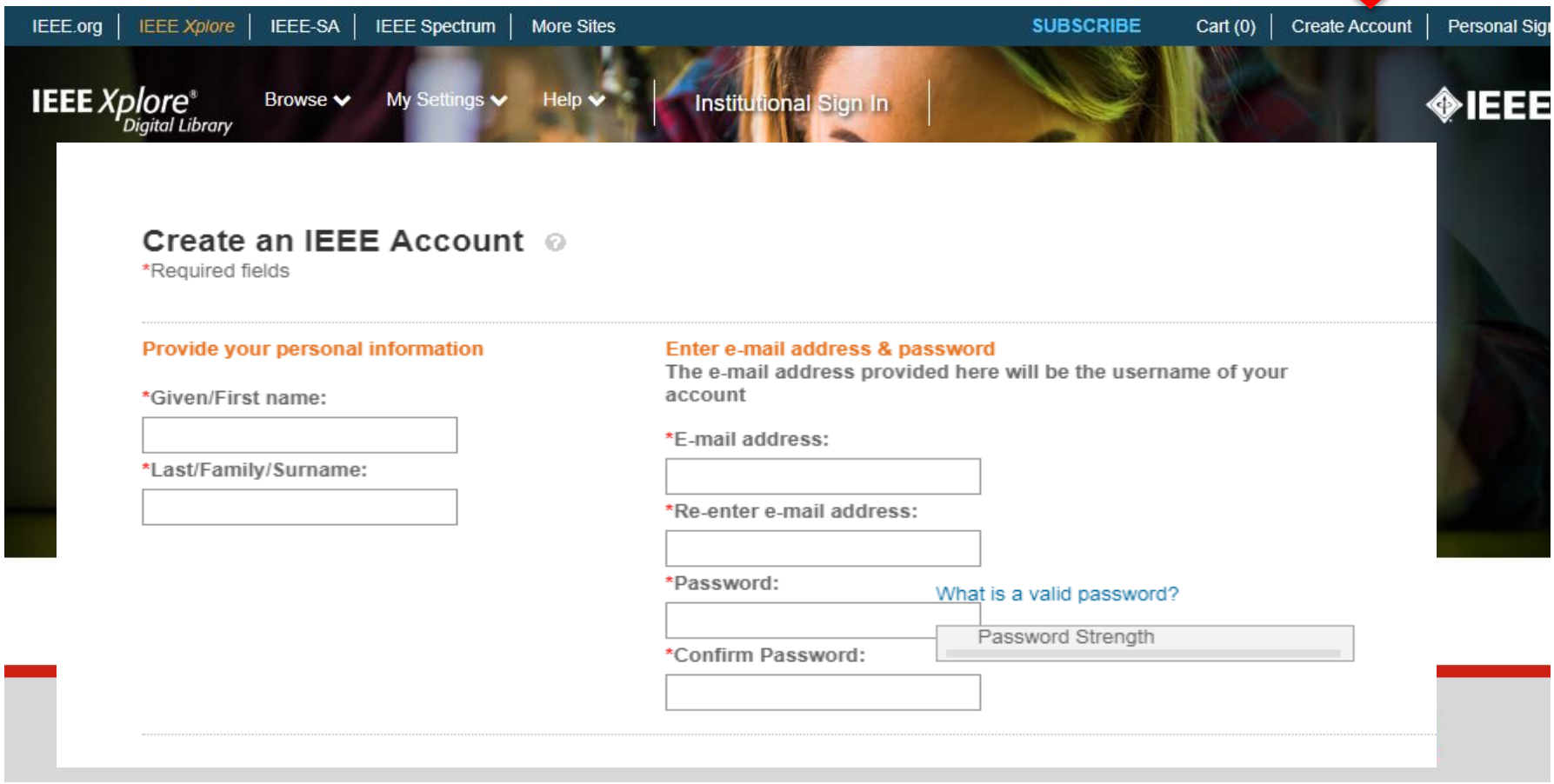
IEEE *Xplore*®平台功能

個人化設定 My Setting NEW



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

免費申請帳號 (Create Account)



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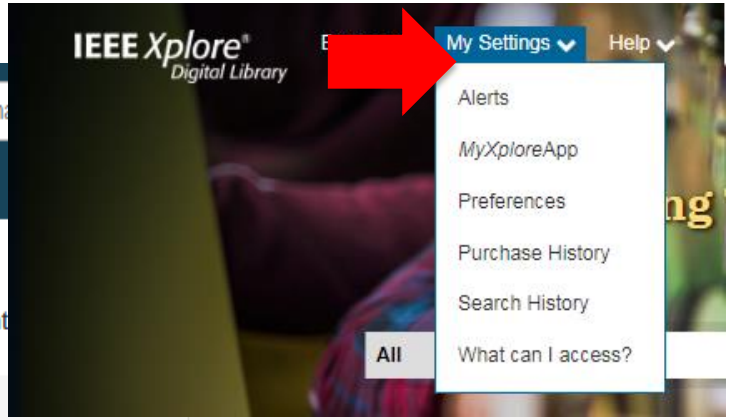
Alert I. 快報通知 (Content Alert)



All | Enter keywords or phrases (Note: Searches metadata only by default. A search for 'sma

Alerts

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Journals & Magazines | Conferences | Standards | Books | Citation

Refine Results by

Select All

Content Type

- Journals (249)
- Magazines (49)

- IEEE Access
- IEEE Aerospace and Electronic Systems Magazine
- IEEE Transactions on Aerospace and Electronic Systems

Publisher

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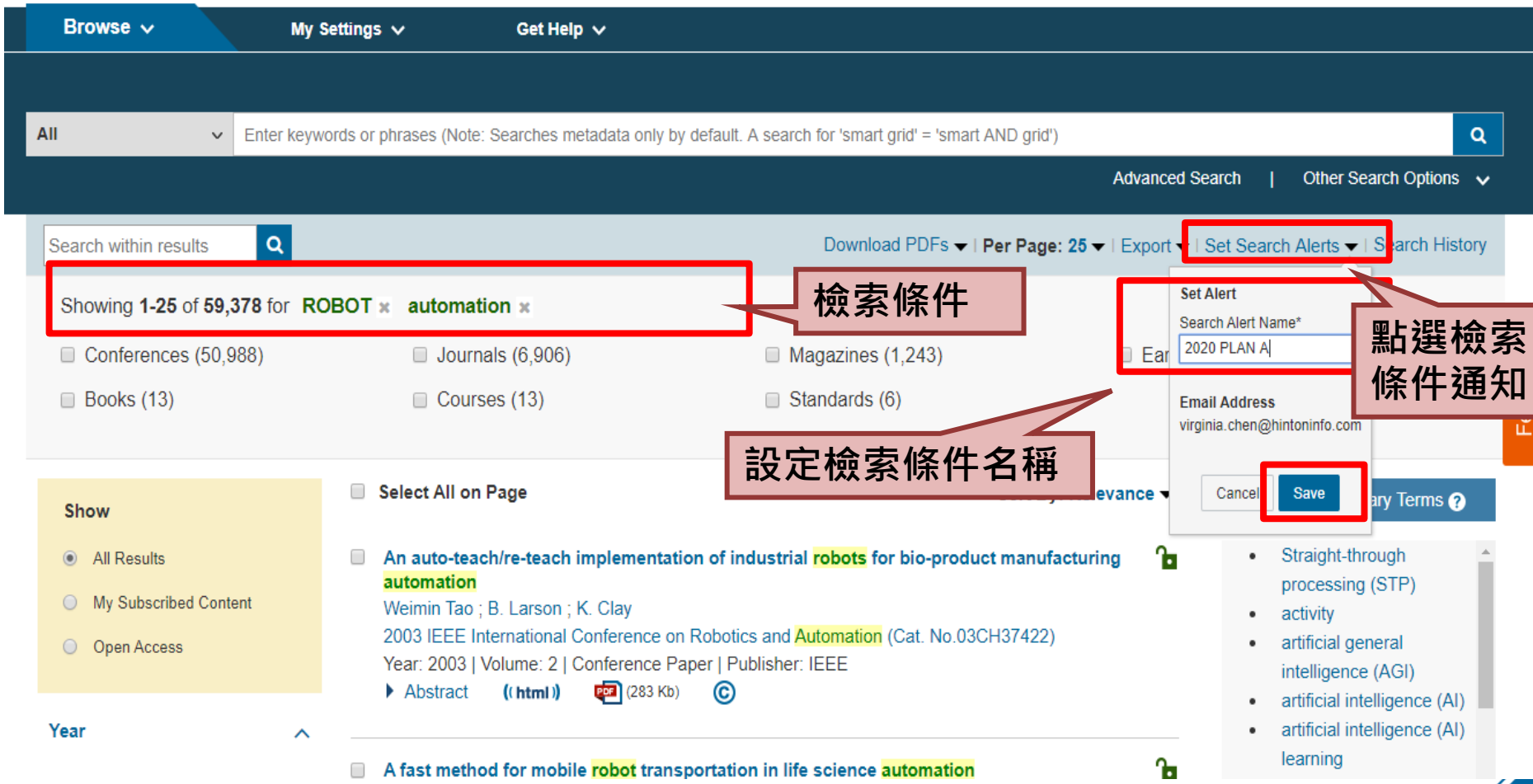
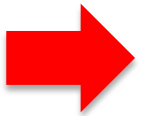
Alert I. 快報通知 (Content Alert)

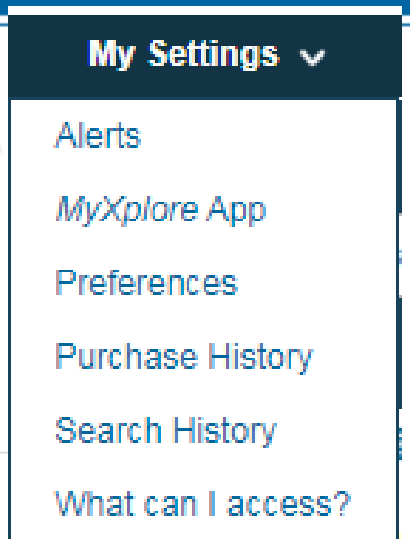
< Journal Alert 期刊雜誌追蹤訂閱 >

檢索條件通知 (Save Search Alerts)



Alerts II.檢索條件通知 (Save Search Alerts)





23 new results for 'iot mobile' Inbox x

IEEE Xplore Search Alerts <no-reply@ieee.org>
to me

IEEE Xplore Search Alerts

Saved Search Name:
iot mobile

Search Query:
iotmobile::Content Type[Journals & Magazines,Early Access Articles]:

23 NEW RESULTS
View Results (https://ieeexplore.ieee.org/search/searchresult.jsp?searchWithin=mobile&contentType=periodicals&refinements=ContentType%3AJournals+.AND.+Magazines&refinements=ContentType%3AEarly+Access+Articles&sortType=&searchField=Search_All&queryText=iot&ranges=20180808_20180822_Search%20Latest%20Date&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT)

A Dynamic Edge Caching Framework for Mobile 5G Networks
https://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=8443597&contentType=Early+Access+Articles&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT
Posted Online: 08/22/2018
Author(s): Dinh Thai Hoang; Dusit Niyato; Diep N. Nguyen; Eryk Dutkiewicz; Ping Wang; Zhu Han
Published In: IEEE Wireless Communications

Multi-Access Mobile Edge Computing for Heterogeneous IoT
https://ieeexplore.ieee.org/xpl/articleDetails.jsp?tp=&arnumber=8436038&contentType=Journals+%26+Magazines&dld=aGludG9uaW5mby5jb20=&source=SEARCHALERT
Posted Online: 08/14/2018
Author(s): Yan Zhang; Yuan Wu; Hassnaa Moustafa; Danny H. K. Tsang; Alberto Leon-Garcia; Usman Javaid
Published In: IEEE Communications Magazine

" Content Type[Journals & Magazines] "

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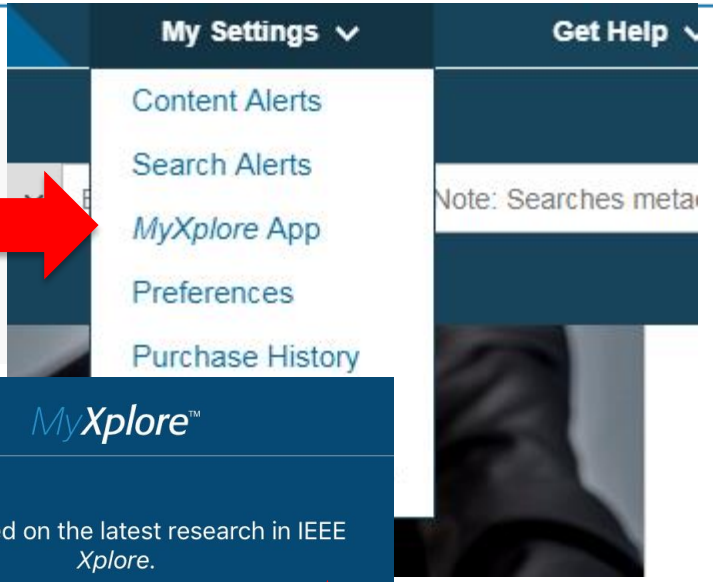
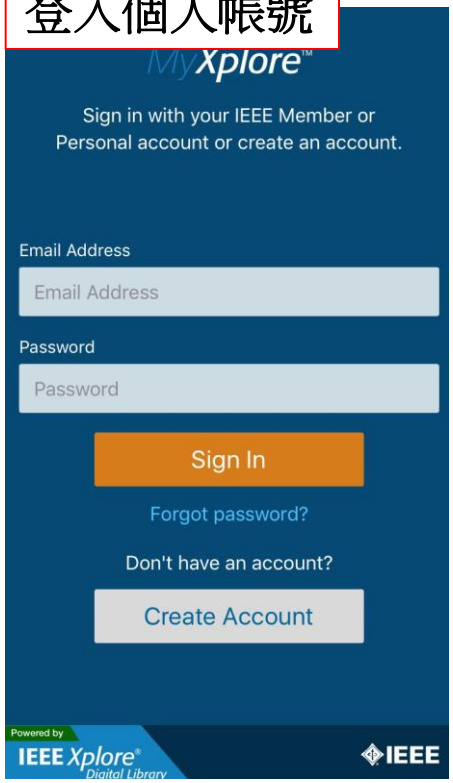


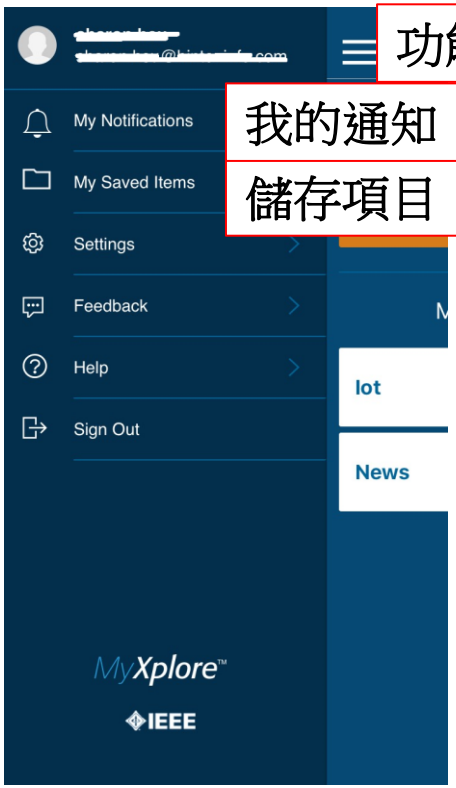
登入個人帳號

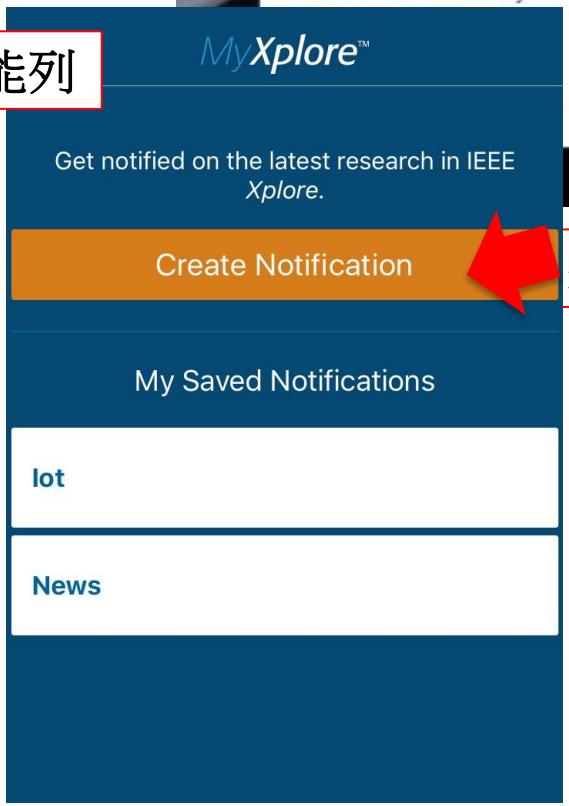


功能列

我的通知

儲存項目





新增關注主題

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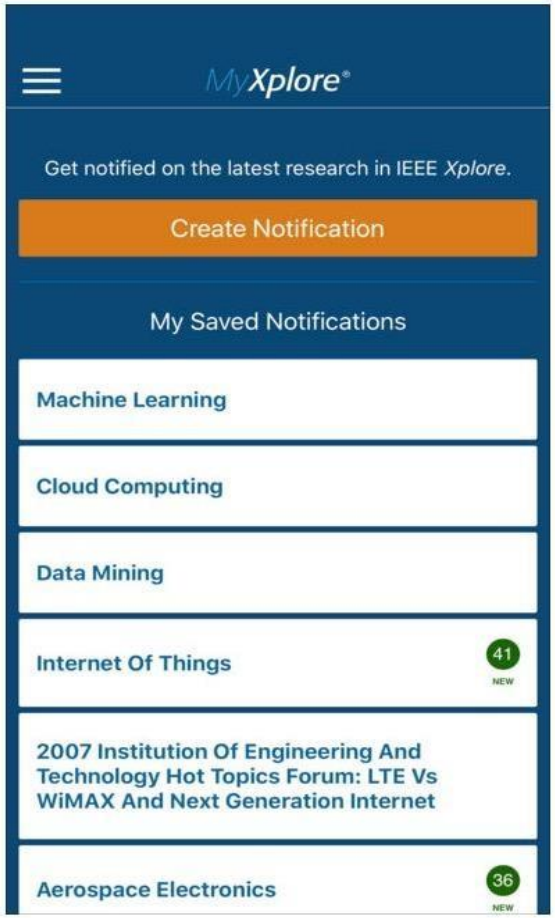

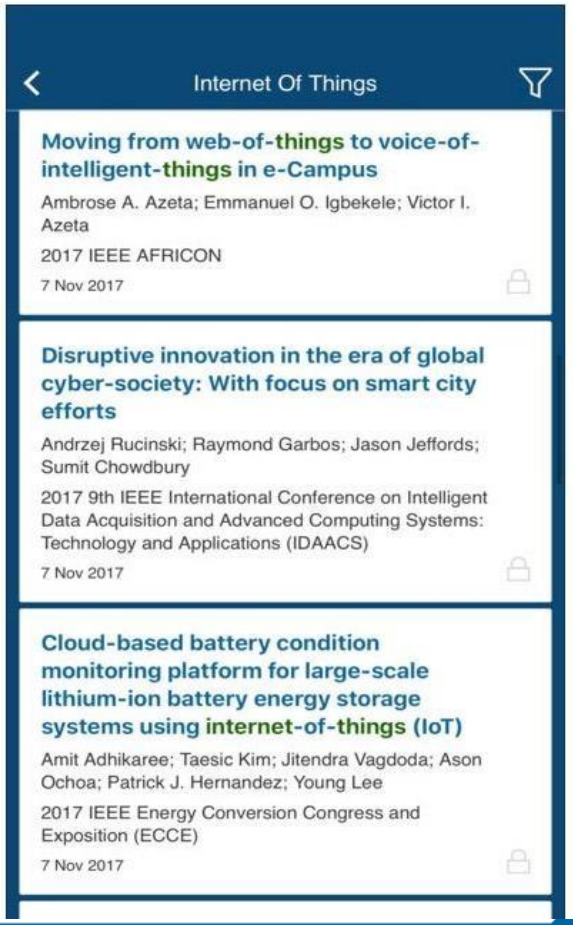

在平板或手機也可使用相同之查找檢索功能。

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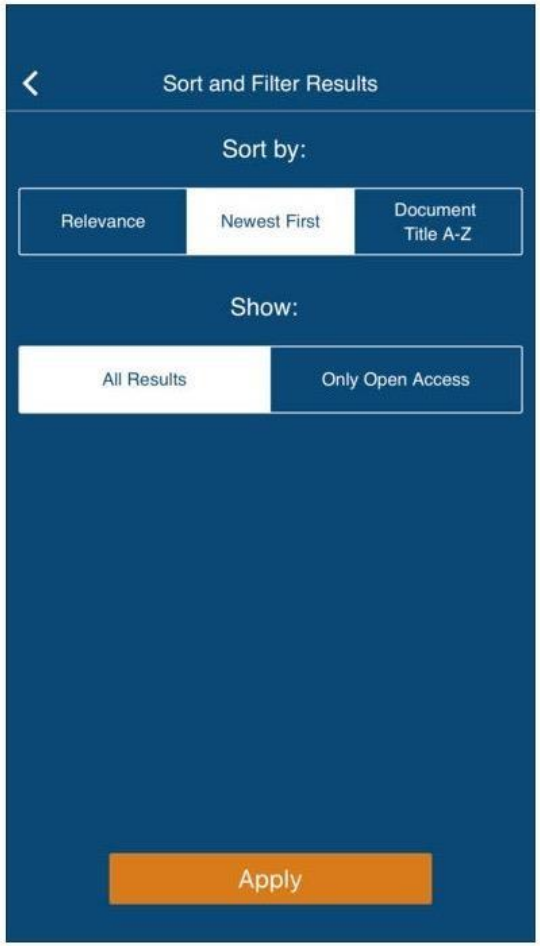

在平板或手機也可使用相同之查找檢索功能。

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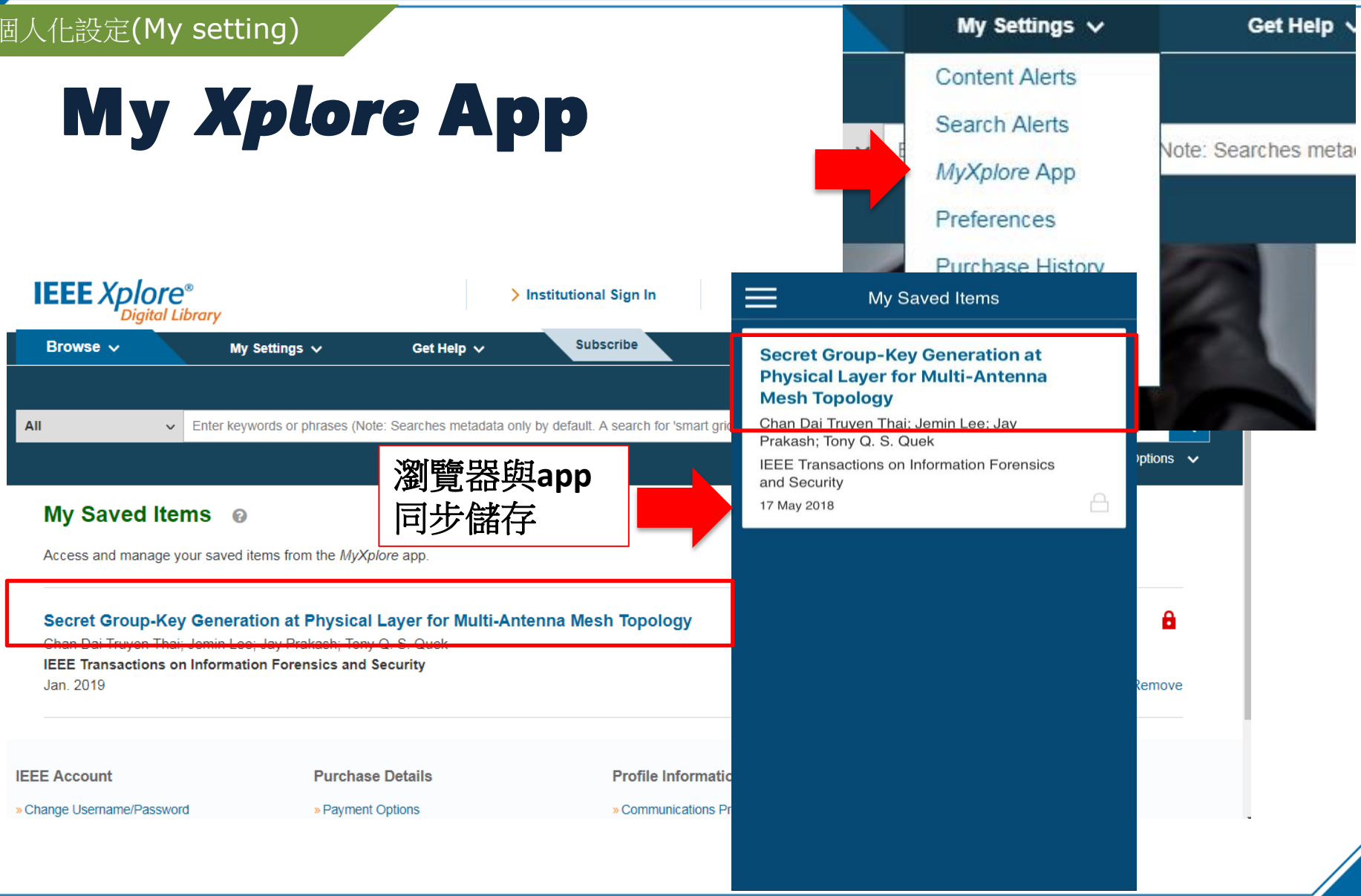
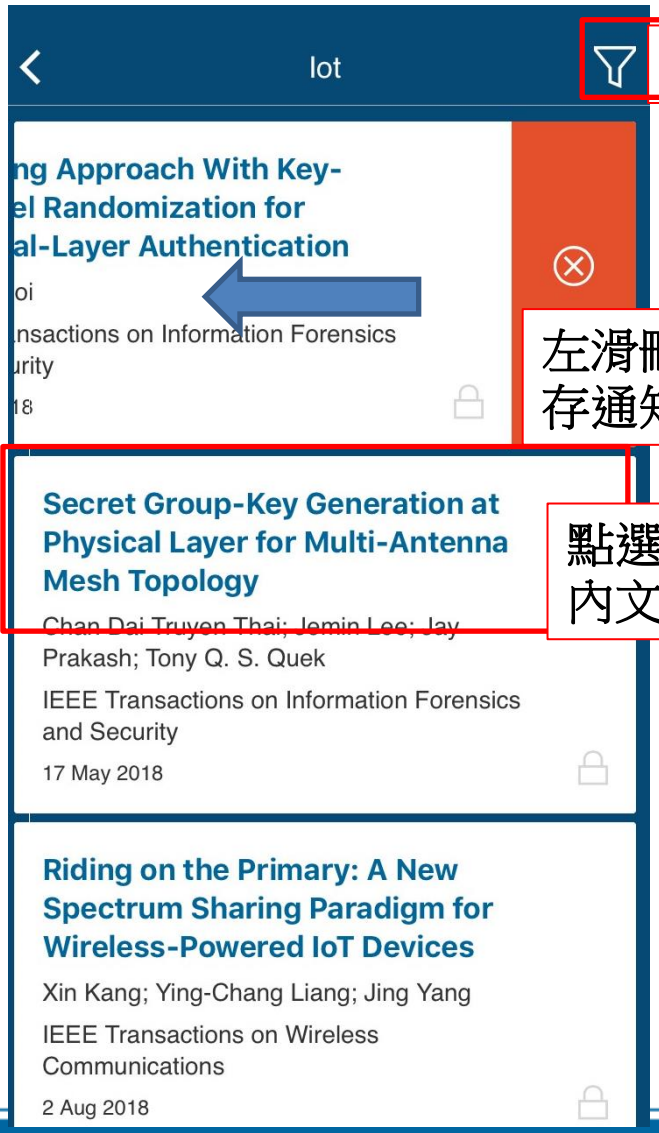


個人化設定(My setting)



選擇排序方式

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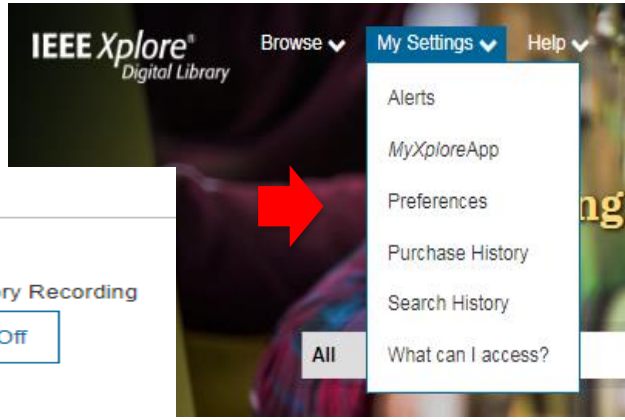
檢索偏好(Preference)



Preferences

Search Options

Search

All Metadata | Full Text & Metadata | Full Text Only

Search History Recording

On | Off

Results Layout

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

Results Per Page: 25

Sort By: Newest First

Publisher

- [x] ALL
- [ ] IEEE
- [ ] IET
- [ ] MITP
- [ ] SMPTE

View more...

Citation Download Options

Include: Citation Only | Citation & Abstract

Format: Plain Text | BibTex | RIS | RefWorks

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Update

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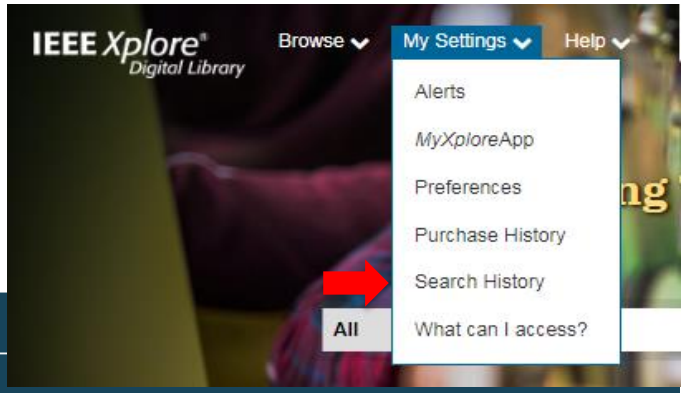
檢索紀錄 (Search History)



Browse | My Settings | Get Help

All | Enter keywords or phrases (Note: Searches metadata only by default. A search for 'smart grid' = 'smart AND grid')

Advanced Search

Search History

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

- rerun, modify, and combine previous searches
- review refinements and other details of a previous search
- store up to 50 previous searches on your account

Search History Recording: ON
(Modify settings in your preferences)

Select multiple searches to combine them together.

#	Search Query	Details
6	Artificial Intelligence You Refined By: Content Type: Conferences Journals Year: 2015-2020	84082 Dec. 6, 2019 16:12 UTC
2	ROBOT, automation	59378 Dec. 6, 2019 16:04 UTC

SEARCH HISTORY TIPS

Only the most recent 50 searches are displayed

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

50 Keyword limit for combined searches

5 Wildcard limit for combined searches

Search alerts are not available for combined searches

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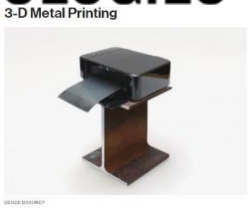
MIT Technology Review 10 BREAKTHROUGH TECHNOLOGIES

3D Metal Printing

Breakthrough: Printers can now make metal objects quickly and cheaply.
Why It Matters: The ability to make large and complex metal objects on demand could transform manufacturing.
Availability: Now



IEEE *Xplore*:
- 7,000+ articles on "metal fabrication"
- 5,000+ articles on "3-D printing"

Artificial Embryos

Breakthrough: Without eggs or sperm cells, researchers have made embryo-like structures from stem cells alone, providing a whole new route to creating life.
Why It Matters: Will make it easier for researchers to study the mysterious beginnings of human life.
Availability: Now

IEEE *Xplore*:
- 600+ articles on "stem cell" research
- 500+ articles on "embryo research", "embryology, "embryonic development"

Sensing City

Breakthrough: A Toronto neighborhood to be he first place to successfully integrate cutting-edge urban design with state-of-the-art digital technology.
Why It Matters: Smart cities could make urban areas more affordable, liveable, and environmentally friendly..
Availability: Now

IEEE *Xplore*:
- 9,000+ articles on "smart cities"
- 35,000+ articles on "sensor networks"

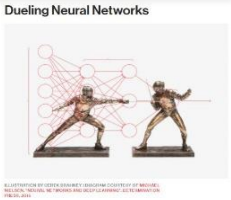
AI for Everybody

Breakthrough: Cloud-based AI is making the technology cheaper and easier to use.
Why It Matters: Right now the use of AI is dominated by a relatively few companies, but as a cloud-based service, it could be widely available to many more, giving the economy a boost.
Availability: Now

IEEE *Xplore*:
- 140,000+ articles on "artificial intelligence"
- 49,000+ articles on "machine learning"
- 41,000+ articles on "cloud computing"

Dueling Neural Networks

Breakthrough: Two AI systems can spar with each other to create ultra-realistic original images or sounds, something machines have never been able to do before.
Why It Matters: Gives machines something akin to a sense of imagination, which may help them become less reliant.
Availability: Now



IEEE *Xplore*:
- 6,000+ articles on "deep learning"
- 80,000+ articles on "neural networks"

Source: *MIT Technology Review* March/April 2018, IEEE *Xplore* May 2018

IEEE

MIT Technology Review 10 BREAKTHROUGH TECHNOLOGIES

Babel-Fish Earbuds

Breakthrough: Near-time translation now works for a large number of languages and is easy to use.
Why It Matters: In an increasingly global world, language is still a barrier to communication.
Availability: Now

Zero-Carbon Natural Gas

Breakthrough: A power plant efficiently and cheaply captures carbon released by burning natural gas, avoiding greenhouse-gas emissions.
Why It Matters: Around 32 percent of US electricity is produced with natural gas, accounting for around 30 percent of the power sector's carbon emissions.
Availability: 3 to 5 Years

Perfect Online Privacy

Breakthrough: Computer scientists are perfecting a cryptographic tool for proving something without revealing the information underlying the proof.
Why It Matters: If you need to disclose personal information to get something done online, it will be easier to do so without risking your privacy or exposing yourself to identity theft.
Availability: Now

Genetic Fortune-Telling

Breakthrough: Scientists can now use your genome to predict your chances of getting heart disease or breast cancer, and even your IQ.
Why It Matters: DNA-based predictions could be the next great public health advance, but they will increase the risks of genetic discrimination.
Availability: Now

Materials' Quantum Leap

Breakthrough: IBM has simulated the electronic structure of a small molecule, using a seven-qubit quantum computer.
Why It Matters: Understanding molecules in exact detail will allow chemists to design more effective drugs and better materials for generating and distributing energy.
Availability: 5-10 Years

IEEE *Xplore*:
- 24,000+ articles on "speech recognition"
- 20,000+ articles on "language processing"

IEEE *Xplore*:
- 1,700+ articles on "clean energy"
- 3,200+ articles on "natural gas"

IEEE *Xplore*:
- 48,000+ articles on "cryptography"
- 15,000+ articles on "data privacy"

IEEE *Xplore*:
- 3,900+ articles on "genome" research
- 70,000+ articles on "genetics"

IEEE *Xplore*:
- 6,600+ articles on "quantum computing"
- 2,000+ articles on "molecular dynamics"

Source: *MIT Technology Review* March/April 2018, IEEE *Xplore* May 2018

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QUIZS : Search IEL - IEEE Xplore

導航系統： Navigation System	智慧控制 Intelligent Control	光纖網路： Optical Networks
社群網路分析： Social Network Analysis	流體力學： Fluid mechanics	綠色能源開發： Green-Energy Exploration
資料探勘： Data mining	半導體裝置： Semiconductor Devices	生物識別系統： Biometric Systems
智慧型遠端監控： Smart Remote Monitoring	無人飛機：UAV 衛星定位系統：GPS	雷達感測技術： Radar Sensing Technology
醫療科技輔具： Medical Assistive Tech	視訊處理： Video processing	衛星通訊 Satellite Communication

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嵌入式系統 : Embedded System	智慧電網 : Smart grid	有機發光二極體 : OLED : Light-emitting diode
有機光電元件 : OLED, Solar Cell	馬達驅動 : Motor drive	軌道電力系統 : Railway Power System
天線工程 Antenna Engineering	無線射頻辨識 : RFID	光纖雷射 / 光纖感測 : Fiber laser / Fiber Sensing
紅外線技術 : Infrared Technology	紅外線技術 : Infrared Technology	超大型積體電路 : (VLSI) Very-Large-Scale integration

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