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- 科技工程必備的電子資源
 - IEEE Xplore® Library 西文電子資源



- IEEE Xplore® 平台收錄內容
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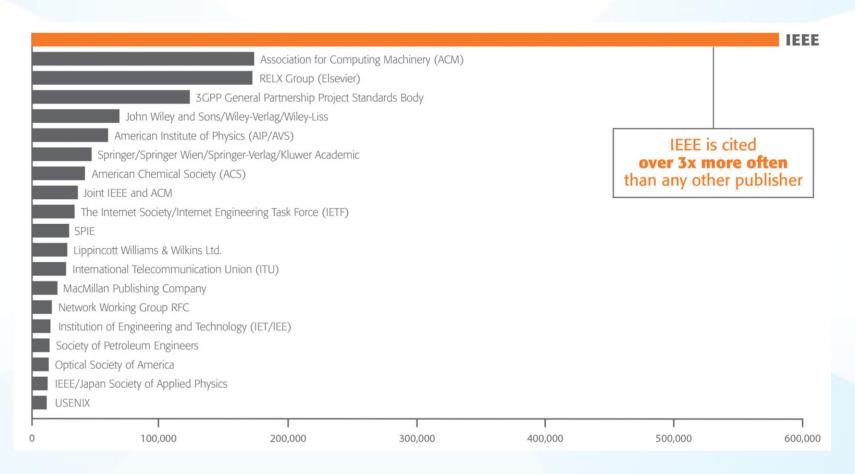
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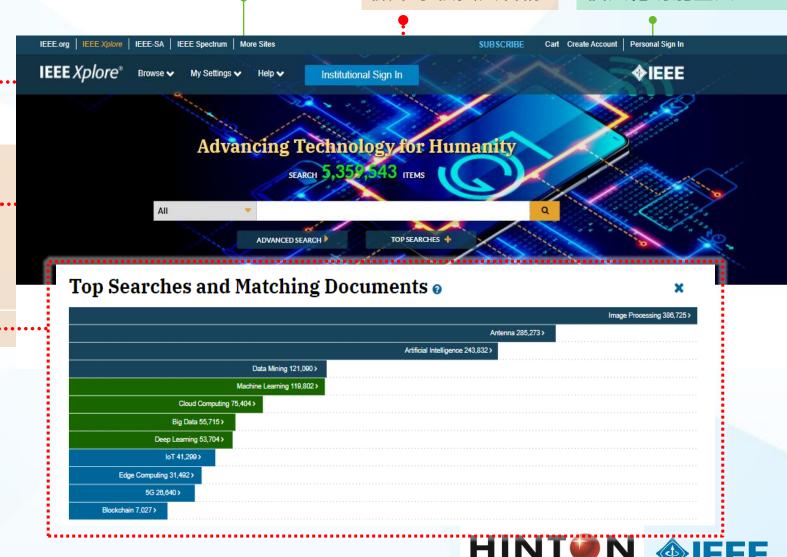
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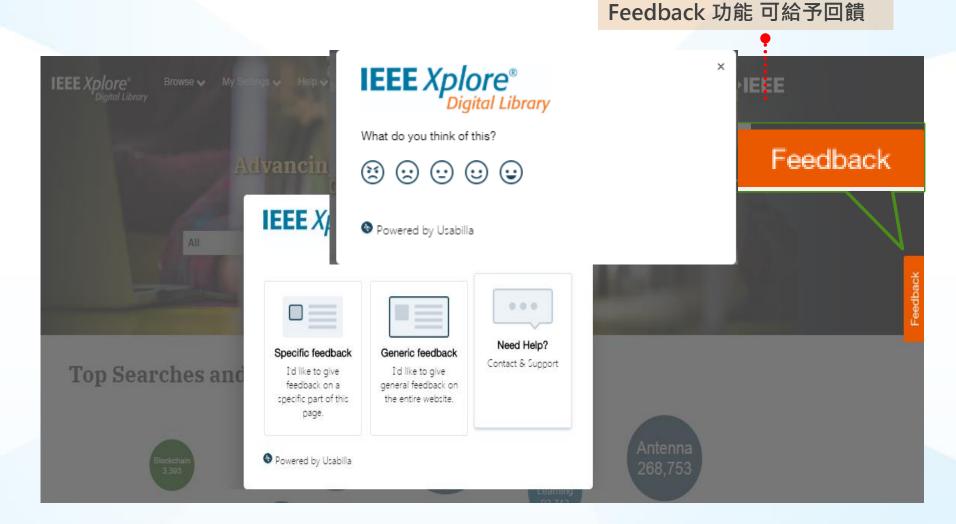
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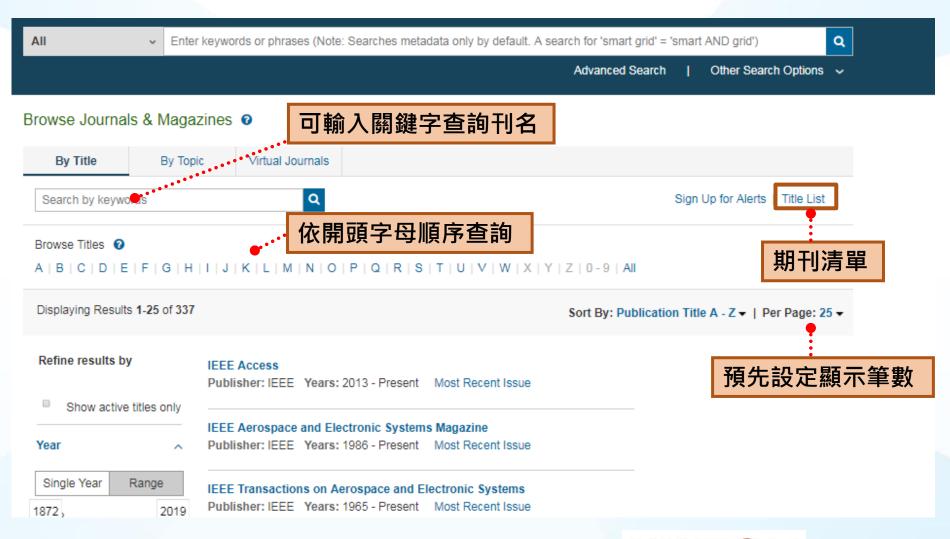








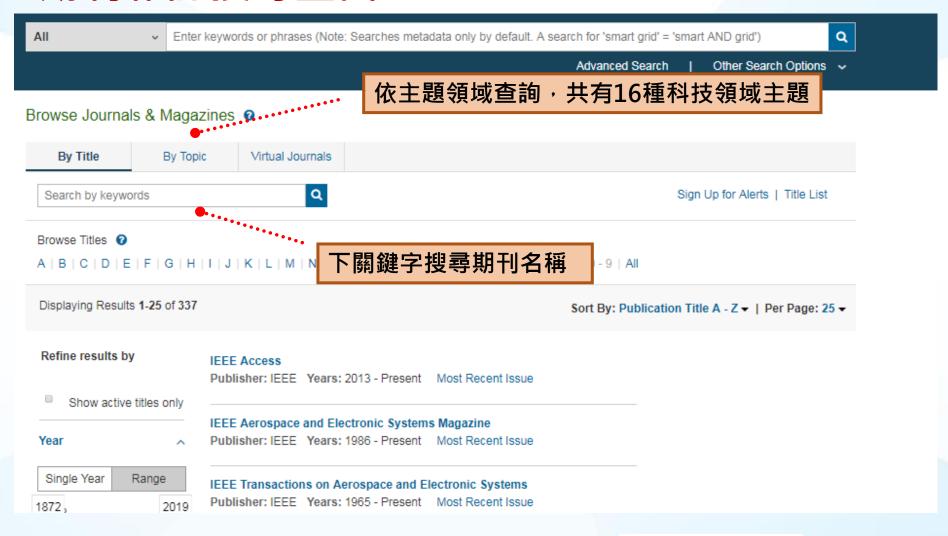
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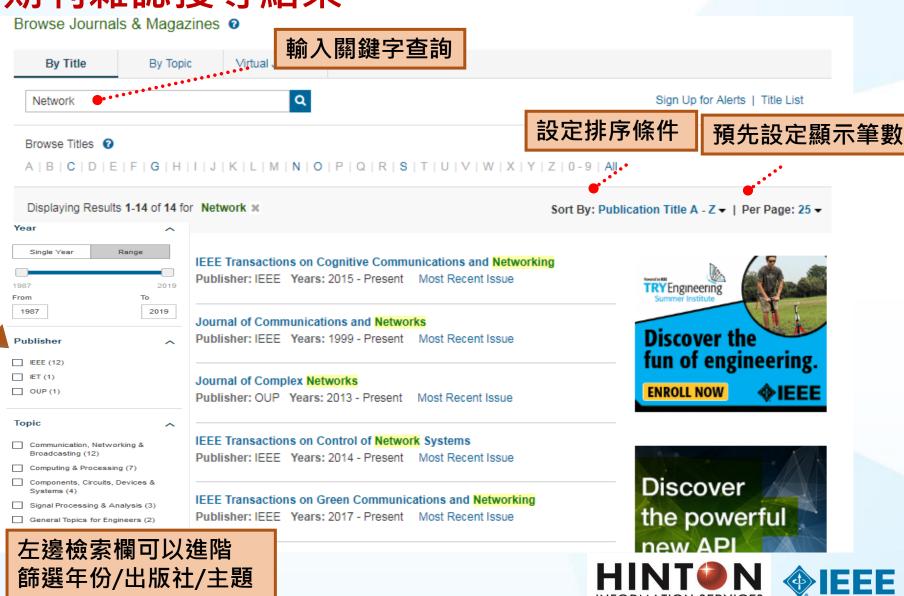
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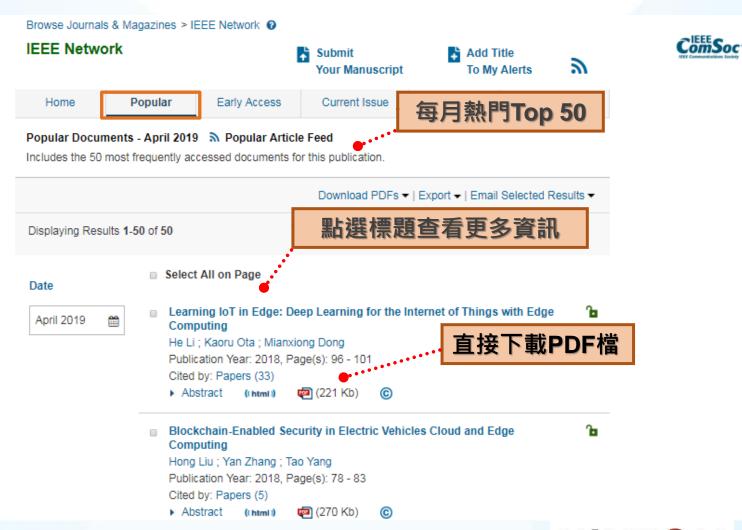






88--44b- F-1:4--

期刊瀏覽-熱門文獻







期刊瀏覽-單篇文獻介紹

Journals & Magazines > IEEE Network > Volume: 32 Issue: 1 0

Learning IoT in Edge: Deep Learning for the Internet of Things with Edge Computing

3 Author(s)

He Li; Kaoru Ota; Mianxiong Dong View All Authors

文章標題

33 Paper Citations 10510 Full Text Views

文章摘要













Abstract

Document Sections

- Introduction
- 2. Related Work
- Deep Learning for IoT in Edge Computing
- Scheduling Problem and Solution
- Performance Evaluation

Abstract:

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.

Published in: IEEE Network (Volume: 32 , Issue: 1 , Jan.-Feb. 2018)

Page(s): 96 - 101 INSPEC Accession Number: 17524460

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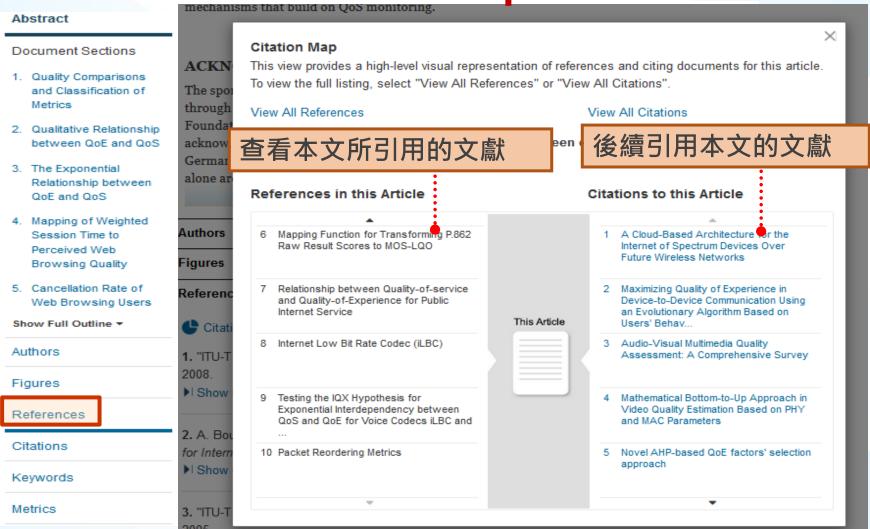
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Year ^	Cited by: Papers (1385) Patents (16) IEEE Journals & Magazines Abstract ((html)) (1704 Kb)	





HTML 全文瀏覽(B)

Abstract 文摘頁面

Cloud Computing for Mobile Users: Can Offloading Computation Save Energy?

2 Author(s)

Karthik Kumar; Yung-Hsiang Lu View All Authors

720 Paper Citations

6 Patent Citations 12157 Full Text Views

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Abstract

Document Sections

- Saving Energy for Mobile Systems
- Challenges and Possible Solutions

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Keywords

Metrics

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)

Page(s): 51 - 56

Date of Publication: 08 April 2010 3

► ISSN Information:

INSPEC Accession Number: 11228200

DOI: 10.1109/MC.2010.98

Publisher: IEEE

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未使用引號:cloud computing

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

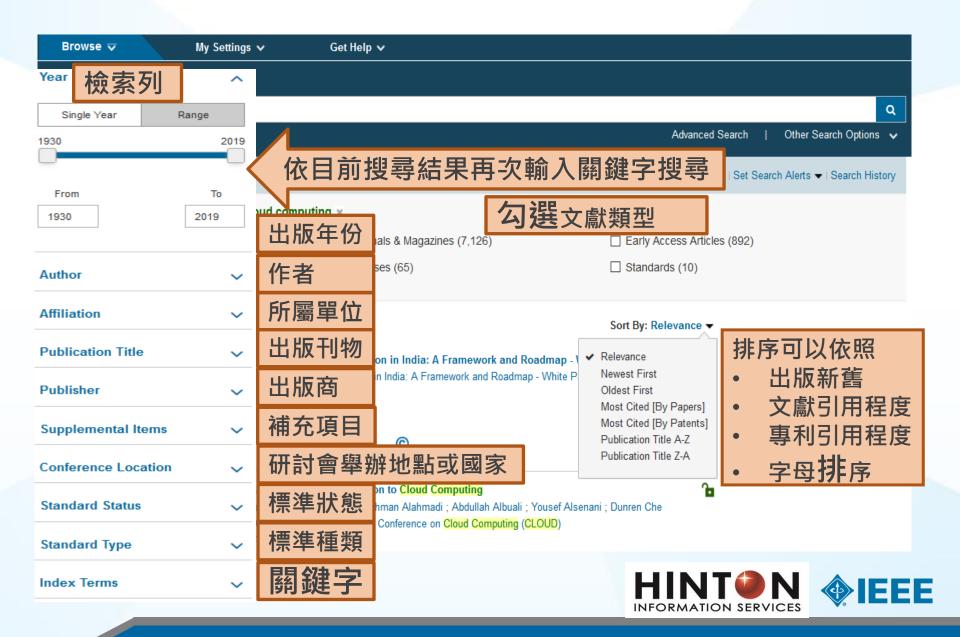
A "No Data Center" Solution to Cloud Computing

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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出版商 出版品標題 所屬單位 作者 Publisher **Publication Title** Author Affiliation IEEE (55,810) Enter Title Enter Affiliation Enter Author Name IET (304) IEEE Access (769) Rajkumar Buyya (152) University of Western Sydney (60) OUP (200) School of Computer Engineering, IEEE Cloud Computing (584) Hai Jin (143) Wiley (72) Nanyang Technological University, IEEE Transactions on Cloud Computing Albert Y. Zomaya (127) TUP (69) Singapore (56) (566)Schahram Dustdar (118) Alcatel-Lucent Reliability (47) View more... IEEE Transactions on Parallel and Hui Li (99) Distributed Systems (377) School of Computer Science and Technology, Huazhong University of View more... 2018 IEEE SmartWorld, Ubiquitous Science and Technology, Wuhan, Intelligence & Computing, Advanced & China (40) Trusted Computing, Scalable Computing & Communications, Cloud & Beijing University of Posts and Big Data Computing, Internet of People Telecommunications, Beijing 100876, and Smart City Innovation China (39) (SmartWorld/SCALCOM/UIC/ATC View more... /CBDCom/IOP/SCI) (358) View more...





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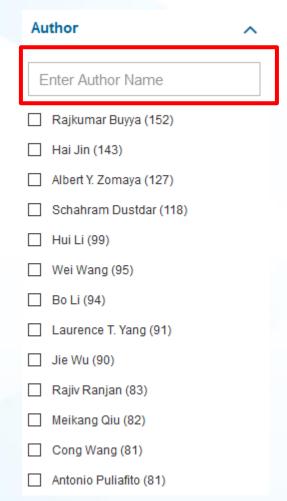
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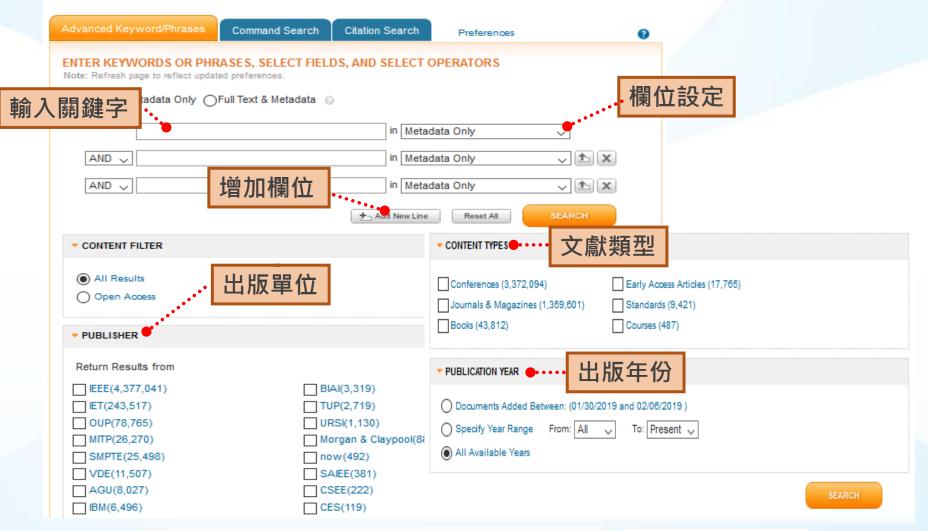
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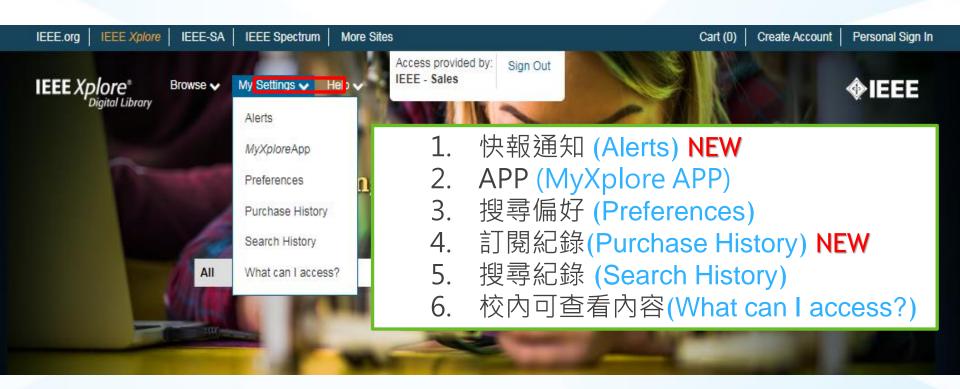
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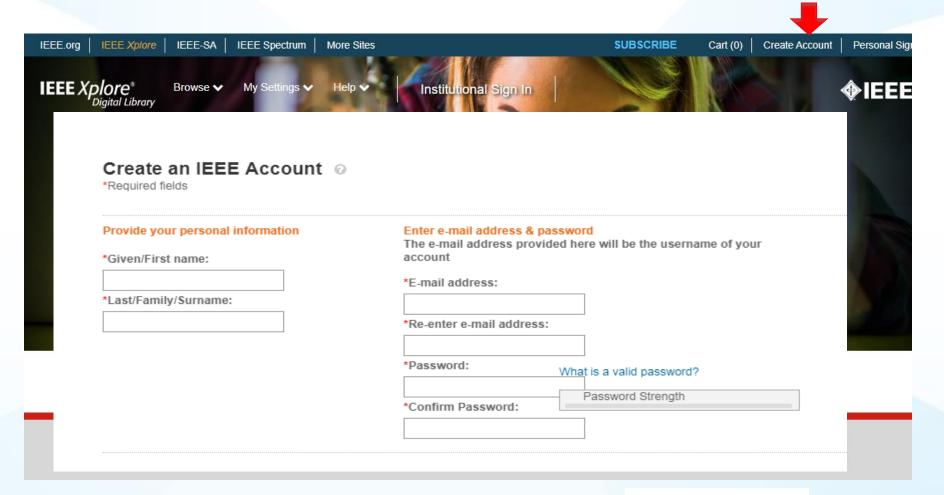






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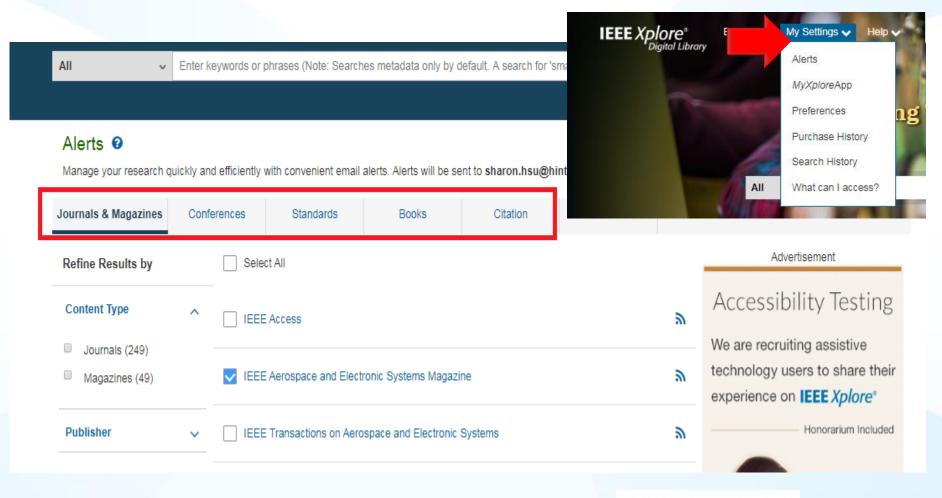
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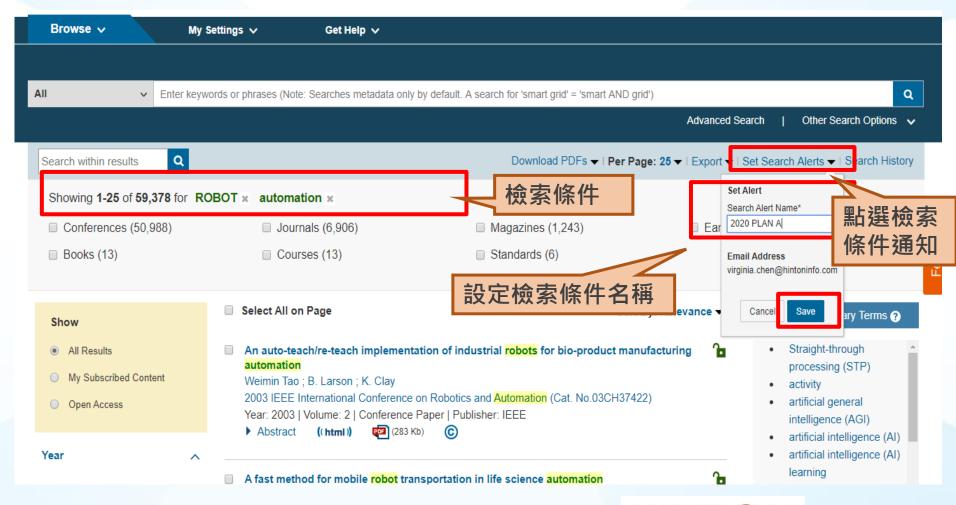
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A Dynamic Edge Caching Framework for Mobile 5G Networks

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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

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Author(s): Yan Zhang; Yuan Wu; Hassnaa Moustafa; Danny H. K. Tsang; Alberto Leon-Garcia; Usman Javaid

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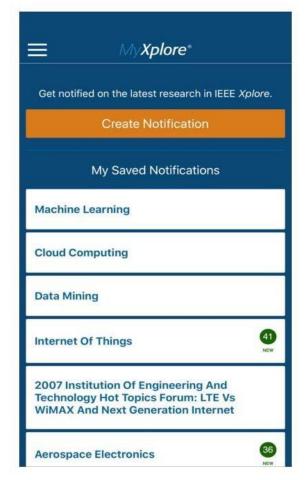


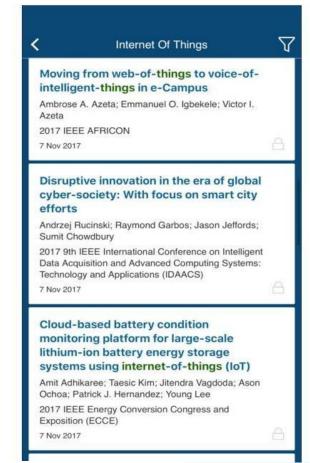
MyXplore My Xplore App











在平板或手機也可使用相同之查找檢索功能。



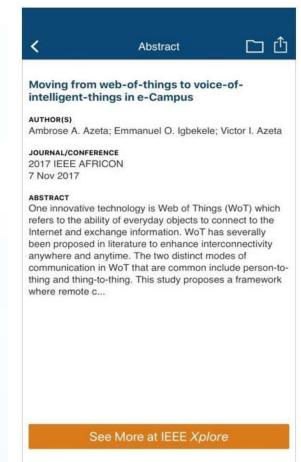


MyXplore" My Xplore" App





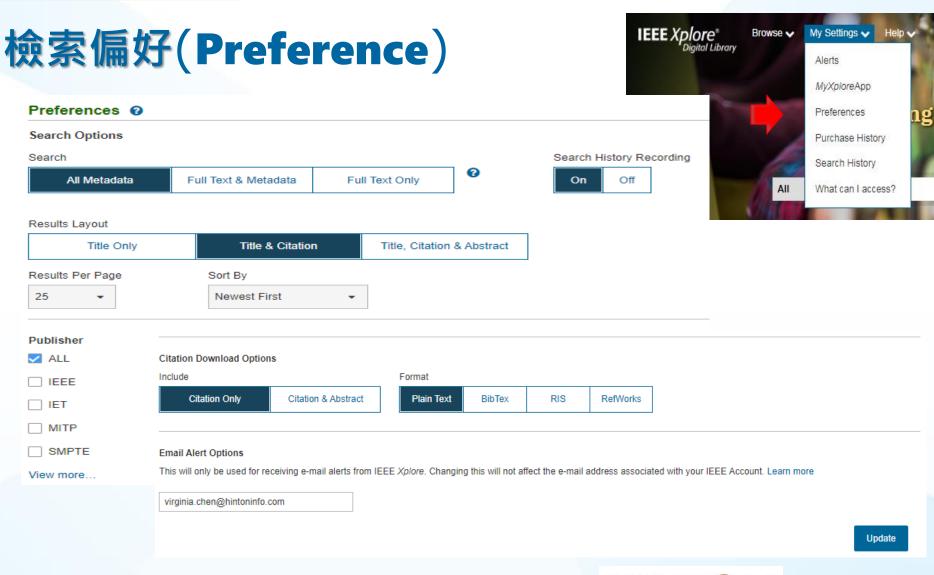






在平板或手機也可使用相同之查找檢索功能。





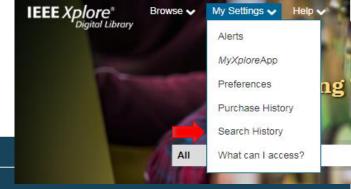






檢索紀錄 (Search History)

My Settings ∨



All

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

Get Help ∨

Advanced Search

Search History

Browse v

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

Select multiple searches to combine them together.

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

SEARCH HISTORY TIPS

Only the most recent 50 searches are displayed

Search History Recording: ON

(Modify settings in your preferences)

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





QUIZS: Search - IEEE XPLORE

導航系統:	智慧控制	光纖網路:
Navigation System	Intelligent Control	Optical Networks
社群網路分析:	流體力學:	綠色能源開發:
Social Network Analysis	Fluid mechanics	Green-Energy Exploration
資料探勘:	半導體裝置:	生物識別系統:
Data mining	Semiconductor Devices	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:	視訊處理:	衛星通訊
Medical Assistive Tech	Video processing	Satellite Communication





QUIZS: Search - IEEE XPLORE

人工智慧: Artificial intelligence	燃料電池: Fuel cell	光纖通訊 Fiber Optic Communication
嵌入式系统: 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





操作練習: 瀏覽功能

- 1. 瀏覽.By Topic.依主題
- 2. 查找 <u>Mobile AR</u> 關鍵字 篩選2018-2020 出版期刊
- 3. 請辨別以下圖示:



((html))









操作練習: 檢索功能

1. 用檢索功能。關鍵字: <u>5G</u>。

關鍵字: Big Data 。年代: 2018-2020 查找*被期刊引用次數較高的文章。

2. 請開啟並下載:



((html))



Download Citations





3. 滾雪球研究:



相關文獻瀏覽





操作練習: 檢索功能

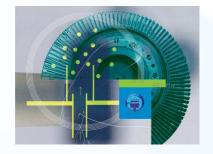
1. 檢索功能 找關鍵字 Al or RFID 文獻, 查找被專利引用次數最高的文獻

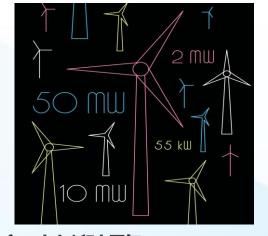


請下載 並 開啟
 HTML 快速預覽:



((html))





3. 滾雪球研究:



相關文獻瀏覽





Questions? 有獎徵答



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