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IEEE Xplore®

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科技領域等學術文獻記錄，以高品質的內容享譽業內。共超過五百多萬篇文章可供檢索與全文下載與瀏覽，包含期刊、會議出版品及技術標準等資料類型。

IEEE Journals, Transactions & Magazines:The top-cited titles in the fields of electrical engineering and computing approximately 195 in all.

IEEE Conference Proceedings:Cutting-edge papers presented at IEEE conferences globally featuring the latest research, often published before many leading journals

IEEE Standards:Quality product and technology standards used by worldwide industries and companies to ensure safety, drive technology, and develop markets. over 1,250 active standards and more than 700 standards under development

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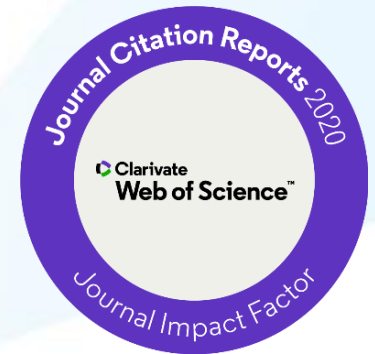
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- **8 of the top 10** journals in **Automation & Control Systems**
- **4 of the top 5** journals in **Computer Science, Information Systems**
- **7 of the top 10** journals in **Computer Science, Hardware & Architecture**
- **3 of the top 5** journals in **Computer Science, Cybernetics**
- **3 of the top 5** journals in **Imaging Science & Photographic Technology**
- **3 of the top 5** journals in **Transportation Science & Technology**

Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

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- # 1 in Information Systems
- # 1 in Instruments and Instrumentation
- # 1 in Medical Informatics
- # 1 in Remote Sensing
- # 1 in Telecommunications
- # 2 in Electrical & Electronic Engineering (#1 : Nature Electronics)

Source: 2019 Journal Citation Reports (Clarivate Analytics, 2020)

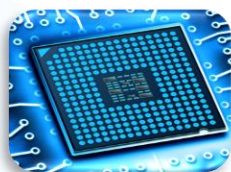
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完整涵蓋眾多科學研究領域



Software



Semiconductor



Automotive



Cloud Computing



Cybersecurity



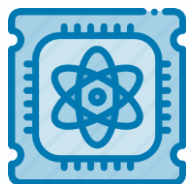
AI



Industry 4.0



Server



Quantum Computing



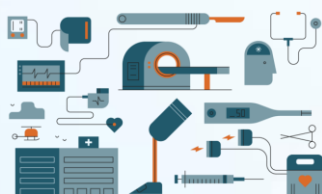
8K Display



Consumer electronics



Smart Home



eHealth

Most Popular IEEE Journals

• IEEE Transactions on <u>Communications</u>	• IEEE Transactions on <u>Robotics</u>
• IEEE Transactions on <u>Information Theory</u>	• IEEE Transactions on <u>Software Engineering</u>
• IEEE Transactions on <u>Industry Applications</u>	• IEEE <u>Intelligent Systems</u>
• IEEE Transactions on <u>Pattern Analysis and Machine Intelligence</u>	• IEEE Transactions on <u>Industrial Electronics</u>
• IEEE Transactions on <u>Wireless Communications</u>	• IEEE Transactions on <u>Cloud Computing</u>
• IEEE <u>Electronics Systems and Software</u>	• IEEE Transactions on <u>Robotics and Automation</u>
• IEEE Transactions on <u>Signal Processing</u>	• IEEE <u>Internet of Things Journal</u>
• IEEE Transactions on <u>Information Technology in Biomedicine</u>	• IEEE Transactions on <u>Automatic Control</u>
• IEEE Transactions on <u>Consumer Electronics</u>	• IEEE Transactions on <u>Information Forensics and Security</u>
• IEEE Transactions on <u>Cybernetics</u>	• IEEE Journal of Selected Topics in <u>Quantum Electronics</u>
• IEEE Transactions on <u>Vehicular Technology</u>and more

Most Popular IEEE Conferences

<ul style="list-style-type: none"> • IEEE 5G World Forum (5GWF) 	<ul style="list-style-type: none"> • IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)
<ul style="list-style-type: none"> • IEEE International Symposium on Information Theory (ISIT) 	<ul style="list-style-type: none"> • IEEE International Conference on Big Data (Big Data)
<ul style="list-style-type: none"> • IEEE Global Communications Conference (GLOBECOM) 	<ul style="list-style-type: none"> • IEEE International Conference on Advanced Information Networking and Applications(AINA)
<ul style="list-style-type: none"> • IEEE International Conference on Industrial Informatics (INDIN) 	<ul style="list-style-type: none"> • IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)
<ul style="list-style-type: none"> • IEEE Vehicular Technology Conference (VTC-Fall) 	<ul style="list-style-type: none"> • IEEE Information Theory Workshop (ITW)
<ul style="list-style-type: none"> • IEEE World Forum on Internet of Things (WF-IoT) 	<ul style="list-style-type: none"> • International Conference on Computer Science and Software Engineering (CSSE)
<ul style="list-style-type: none"> • IEEE International Conference on Emerging Technologies and Factory Automation (ETFa) 	<ul style="list-style-type: none"> • IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR)
<ul style="list-style-type: none"> • IEEE International Conference on Communications (ICC) 	<ul style="list-style-type: none"> • IEEE International Conference on Artificial Intelligence Circuits and Systems (AICAS)
<ul style="list-style-type: none"> • IEEE Intelligence and Security Informatics Conference (ISI) 	<p>.....and more</p>

More than 8000 IEEE standards

Smart Grid

- IEEE 1547™ Series DER
- IEEE 1815™ Distributed Network Protocol
- IEEE 2030™ Series Interoperability
- IEEE C37™ Series Grid Critical Infrastructure

Intelligent Transportation

- IEEE 1609™ Series Wireless Access Vehicle Environment
- IEEE 1901™ Series Power Line Communications (PLC)
- IEEE 802.15.4p™ WPAN Rail Communications and Control
- IEEE 1512™ Emergency Management System

eHealth

- IEEE 11073™ Series Medical Devices
- IEEE 139™ RF Emission from ISM Equipment
- IEEE 602™ Healthcare Facilities
- IEEE 1363™ Series Encryption

Energy Efficiency

- IEEE 1801™ Low Power, Energy Aware Electronic Systems
- IEEE P1889™ Electrical Performance of Energy Saving Devices
- IEEE P1823™ Universal Power Adapter for Mobile Devices
- IEEE P1922.1™-IEEE P1929.1™ Series for Energy Efficient Systems

Internet of Things (IoT)

- IEEE P2413™ IoT Architecture
- IEEE 1588™ Precision Time Stamp
- IEEE 1451™ Series Sensor Networks
- IEEE P1451-99™ Harmonization of IoT Devices and Systems

5G

- IEEE P1914.1™ Fronthaul
- IEEE P1918.1™ Tactile Internet
- IEEE 802[®] LAN/MAN
- IEEE P1915™-IEEE P1921.1™ Series Software Defined Networks

Learning Technologies

- IEEE 1484™ Series eLearning Technologies
- IEEE 1278™ Series Distributed Interactive Simulation
- IEEE 1516™ Series Modeling and Simulation
- IEEE 1730™ Series Distributed Simulation Engineering and Execution Process

Smart Home

- IEEE 802[®] LAN/MAN
- IEEE 1901™ Series PLC
- IEEE 1905.1™ Home Network for Heterogeneous Technologies
- IEEE 2030.5™ Smart Energy Profile

eGovernance

- IEEE P7002™ Data Privacy Process
- IEEE P7004™ Child and Student Data Governance
- IEEE P7005™ Transparent Employer Data Governance
- IEEE P7006™ Personal Data Artificial Intelligence (AI) Agent

Cyber Security

- IEEE P802E™ ePrivacy
- IEEE 1363™ Series Encryption
- IEEE 1402™ Physical Security
- IEEE 1686™ Intelligent Electronic Devices (IEDs)

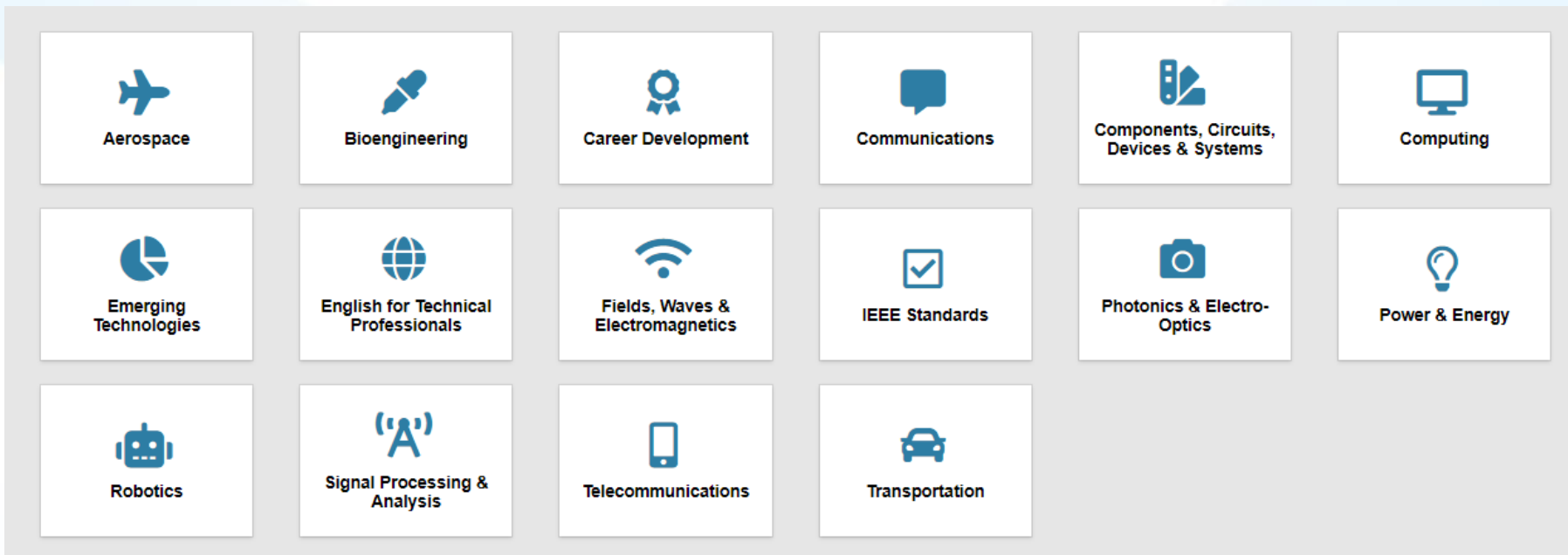


Smart City

eBooks收錄全球科技領先出版社來拓展視野

IEEE合作出版社	簡介
Wiley	全球兩大知名學會IEEE和John Wiley & Sons, Inc.攜手合作，將900+本電子書收錄於IEEE Xplore平台，內容涵括許多主題領域，包括生物工程、動力能源以及通訊科技及其他持續被討論中的新興技術議題，皆為首屈一指的專家學者們所著作發表，聚焦於引領尖端技術的內容並替未來發展設立標準。
MIT Press	美國麻省理工學院所出版的電子書，專注於計算機及工程領域，主題涵蓋通信網路、信號處理、電子電路、電力能源、工業應用、工程材料、機器人控制系統及基礎工程主題等等。
Morgan & Claypool	主要為電腦資訊科學的研究、發展及教育，每本書目80-140頁幫助研究者快速掌握技術主題，涵蓋主題廣泛，作者皆為全球知名學者及開發人員。
Artech House(NEW)	與全球知名期刊《MicrowaveJournal》系出同門，Artech House為集團內專職出版高品質技術手冊的單位。邀集研究成果最常被引用的研究者、業界先驅和IEEE Fellow等專家，將所學編撰成能啟發創新思考和提供實際解決方案的參考書籍。
River Publishers(NEW)	River Publishers與IEEE電路與系統(CAS Society)、固態電路(SSCS Society)等活躍的學會長期合作，作者多為全球權威參考書或期刊編輯。
Foundations & Trends (NOW Publishing) TECHNOLOGY Full Collection	Now出版書目已成為企業工程師、研究人員、研究生提供信賴的資源，對於正在研究探索工程學門、計算機科學領域提供更進階的內容，每冊書目平均為150頁，使讀者可以快速了解趨勢主題。
Princeton University Press(NEW)	IEEE 與普林斯頓大學出版社合作推出精選電子書，全套超過300由全球知名作者撰寫，預計每年出版約30本新書，適合一般對科學、工程領域有興趣的讀者。
SAE eBooks Library	收錄 SAE International自1990 年至今出版的電子書共315+本書，主題領域包含商用汽車、航空、動力工具等，內容由各領域頂尖專家學者撰寫，提供最核心的技術資訊。

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01

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02

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03

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- ✓ 收錄超過8000篇IEEE標準

04

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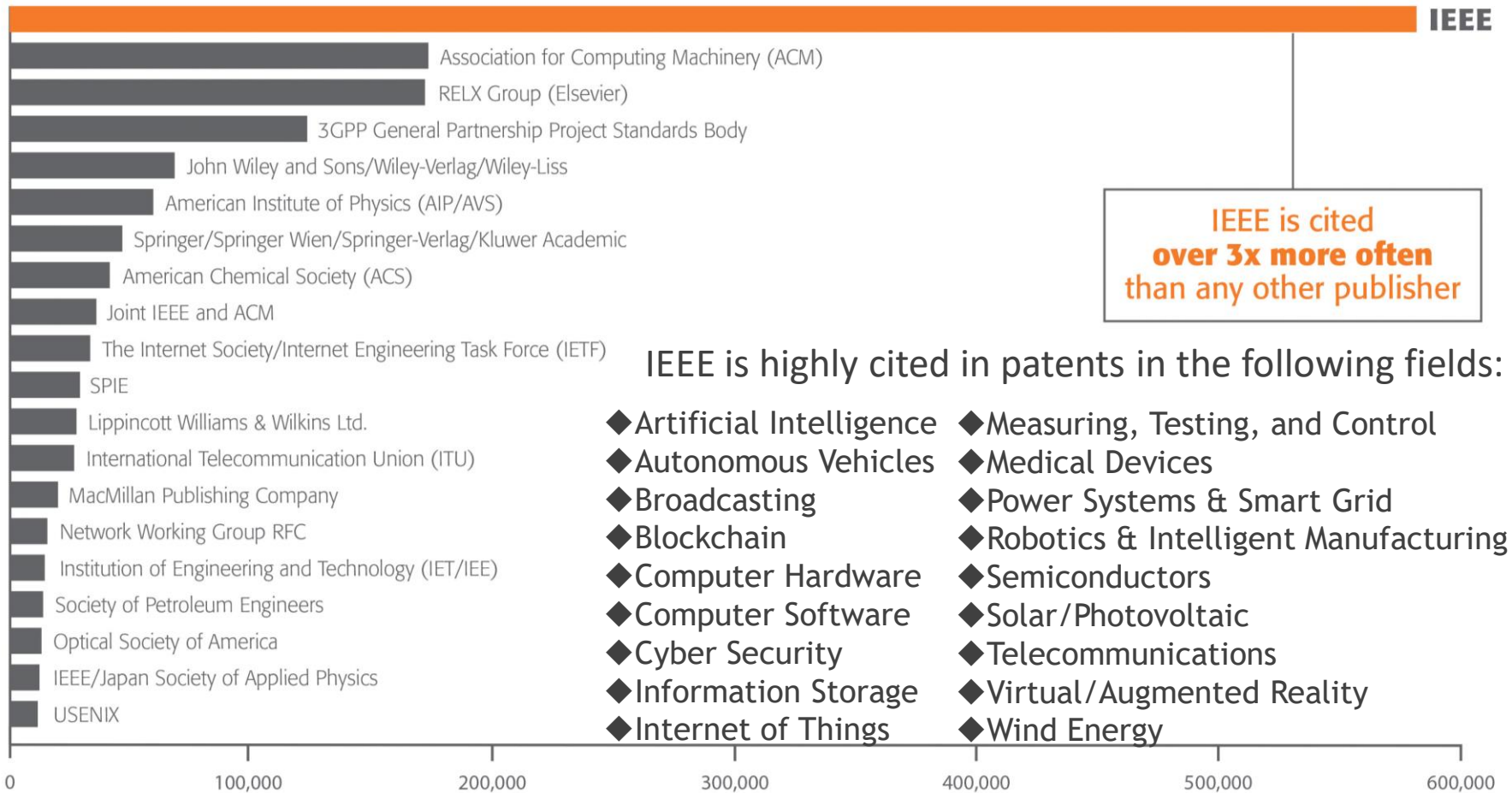
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- ✓ HTML線上瀏覽
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