2026

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Computer Hardware	Medical Devices	Wireless Broadband
Computer Software	Nanotechnology	and more

Contents

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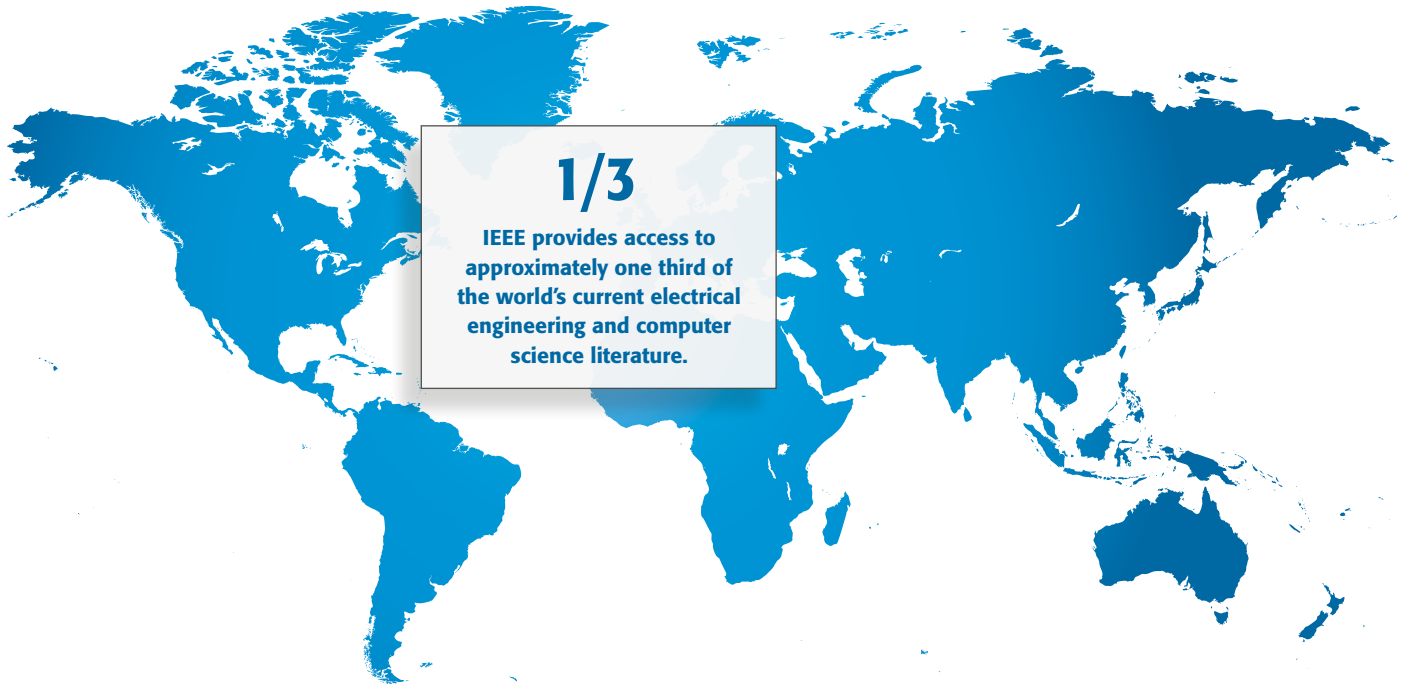
IEEE Standards

Approximately 5,000 IEEE standards documents, including all active, historical, and withdrawn standards, plus Redline Versions of Standards. Draft standards are also available as an add-on package to IEL. A driving force in today's global marketplace, IEEE standards create markets, increase profitability, and ensure safety.

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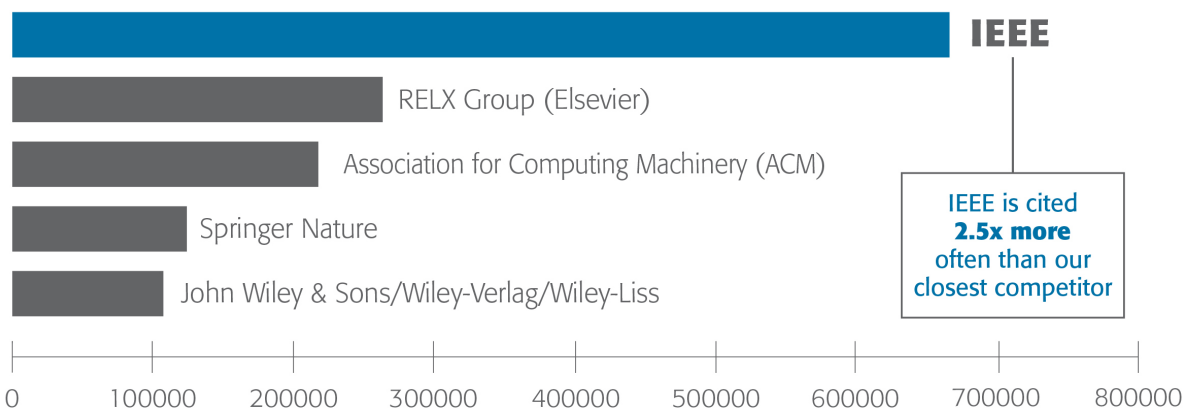
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1/3
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Patent References to the Top 5 Publishers

- **IEEE**
- RELX Group (Elsevier)
- Association for Computing Machinery (ACM)
- Springer Nature
- John Wiley & Sons/Wiley-Verlag/Wiley-Liss

0   100000   200000   300000   400000   500000   600000   700000   800000

IEEE is cited **2.5x more** often than our closest competitor

Source: 1790 Analytics LLC, Copyright 2025.

For a free copy of the white paper "Analysis of U.S. Patent Referencing to IEEE Papers and Conferences 2005–2024," visit **www.ieee.org/patentcitations**

Citations to IEEE Journals Continue to Climb

Each year, the Journal Citation Reports™ (JCR) from Clarivate Analytics examines the impact of scholarly journals by determining how often a journal's articles are cited by later research.

According to the most recent report, IEEE publishes:
24 of the top 30 journals in Electrical and Electronic Engineering
23 of the top 30 journals in Telecommunications
9 of the top 20 journals in Computer Science, Artificial Intelligence
5 of the top 10 journals in Computer Science, Information Systems
3 of the top 5 journals in Automation & Control Systems
3 of the top 5 journals in Computer Science, Cybernetics
3 of the top 5 journals in Computer Science, Hardware & Architecture

The JCR ranks journals by their Journal Impact Factor™, defined as the average number of times articles published in a specific journal in the previous two years were cited in a particular year.
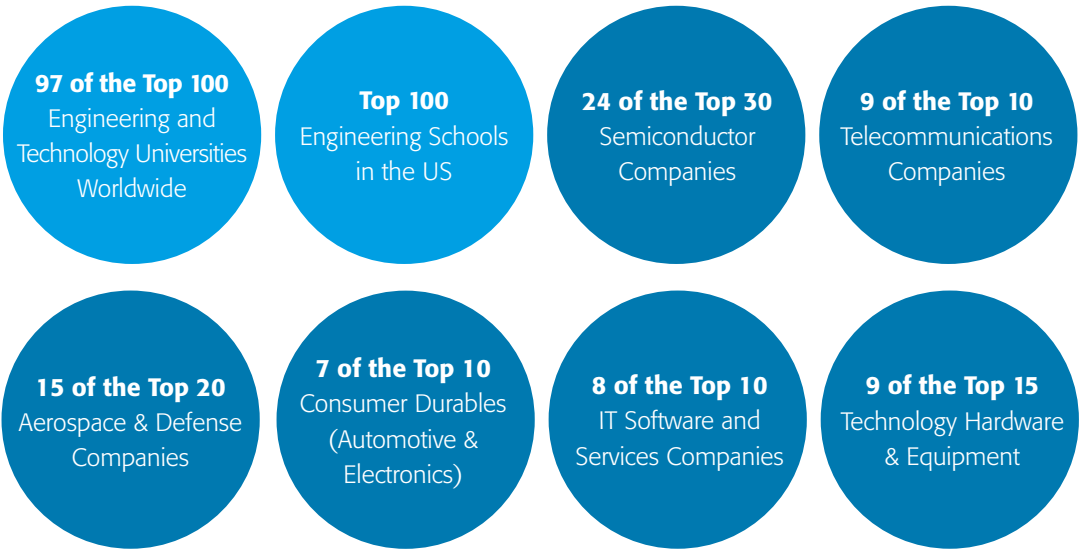
Additionally, in the most recent CiteScore™ report by Scopus, multiple IEEE publications were consistently listed among the most-cited journals in multiple categories, including 8 of the top 20 journals in Electrical Engineering. IEEE journals also ranked No. 1 in categories such as Electrical Engineering, General Computer Science, and more.

Sources: 2024 Journal Citation Reports (Clarivate Analytics, 2025); CiteScore 2024 (Scopus, 2025)

For more information on IEEE journal citation rankings, visit **www.ieee.org/citations**

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8 of the Top 10 IT Software and Services Companies

**9 of the Top 15** Technology Hardware & Equipment

Sources: *Times Higher Education*, World University Rankings 2025, Subject Ranking: Electrical & Electronic Engineering
U.S. News & World Report, Top Engineering Graduate Schools of 2025
2025 Forbes Global 2000
Information current as of 08/2025.

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The IEEE *Xplore* Digital Library delivers IEL to users' computers or mobile devices. Just as the content within IEEE *Xplore* grows each year, the platform is also continuously upgraded to enable users to easily find and discover the solutions they need. Following are some recent and upcoming enhancements to the platform.

Journal Homepage Redesign

Several updates and enhancements to the journal homepages have been released to provide a more streamlined, modern, and user-friendly experience for customers, including a custom module for the About Journal section, journal covers for past issues, updates to the related journal interface, a prominent display of key data such as Article Processing Charges (APCs), and improved navigation of title history.
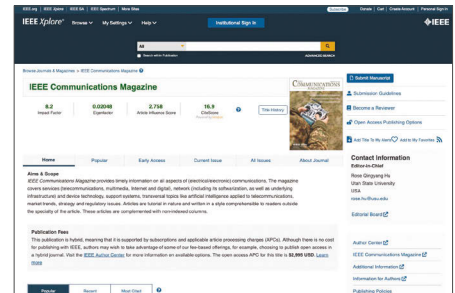
Image Search

For IEL subscribers only, this new feature produces relevant search results of images, graphics, charts, schematics, flowcharts, and more from journal articles and conference papers, helping users to better understand important research details through visuals.
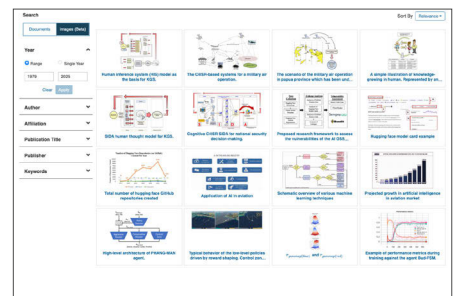
Redesigned Figures Section on Document Page

The redesigned figures section of the document detail page provides an easy way for readers to quickly navigate through images in an article.
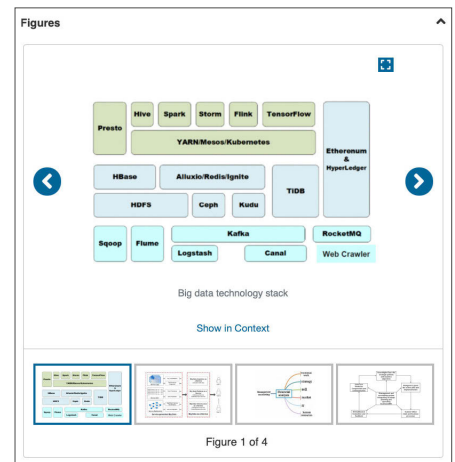
Improved Labeling for IEEE Standards

IEEE Standards in IEEE *Xplore* now include an indication of the most recent version of that standard as well as improved navigation of the version history.

Addition of Scopus® CiteScore to Journal Homepages

Users can now see the Scopus CiteScore for an IEEE journal in addition to the Journal Impact Factor™, Eigenfactor®, and Article Influence Score®. CiteScore is a measure reflecting the yearly average number of citations in the Scopus database to articles published in the preceding four years.
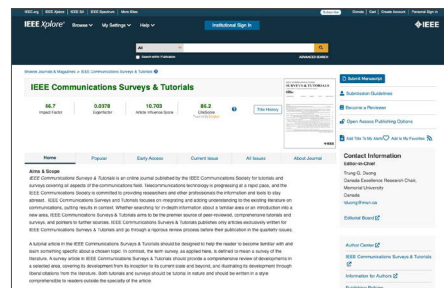

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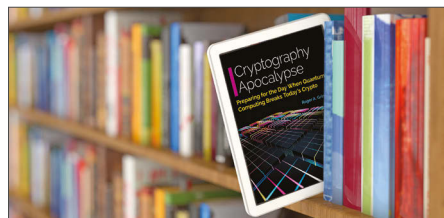
Automated Indexing Process

A new automated and improved indexing process that leverages the latest natural language processing and machine learning technologies to enable real-time indexing and enhanced discovery of newly published content.
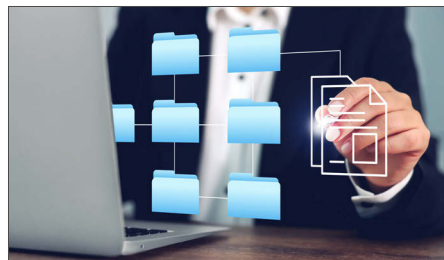
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IEEE *Xplore* has an ongoing commitment to provide the best possible experience for all users. IEEE accessibility efforts are informed by the Web Content Accessibility Guidelines (WCAG) 2.2. Details on the IEEE level of compliance, along with a listing of recently released and planned fixes, are available within the Accessibility Statement.

For more information, visit https://ieeexplore.ieee.org/Xplorehelp/overview-of-ieee-xplore/accessibility-statement

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New Subscription Titles for 2025 and 2026

IEEE Computational Intelligence Letters
IEEE Energy Sustainability Magazine
IEEE Journal on Wireless Power Technologies
IEEE Robotics and Automation Practice
IEEE Sensors Magazine
IEEE Transactions on Robot Learning

Listing current as of 10/2025, subject to change.

A Sample of Conferences Published in 2025 Covering Innovative Technologies

2025 Annual Conference of the IEEE Industrial Electronics Society (IECON)

2025 SC International Conference for High Performance Computing, Networking, Storage, and Analysis

2025 IEEE International Conference on Emerging Trends in Computing and Communication (ETCOM)

2025 IEEE International Conference on Cluster Computing (CLUSTER)

2025 International Conference on Power, Energy and Innovations (ICPEI)

2025 IEEE Annual Congress on Artificial Intelligence of Things (AIoT)

2025 IEEE International Conference on Quantum Computing and Engineering (QCE)

2025 IEEE International Symposium on Mixed and Augmented Reality (ISMAR)

2025 Conference on Blockchain Research & Applications for Innovative Networks and Services (BRAINS)

2025 International Conference on Future Telecommunications and Artificial Intelligence (IC-FTAI)

2025 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)

2025 IEEE/SEMI Conference on Advanced Semiconductor Manufacturing (ASMC)

2025 International Conference on Smart Grid and Energy Engineering (SGEE)

2025 Conference on Cloud and Internet of Things (CIoT)

2025 IEEE International Conference on Cloud Engineering (IC2E)

2025 IEEE International Smart Cities Conference (ISC2)

2025 International Conference on Big Data, Information and Intelligent Engineering (BDIIE)

2025 IEEE International Conference on Systems, Man, and Cybernetics (SMC)

2025 IEEE Cyber Science and Technology Congress (CyberSciTech)

2025 IEEE International Conference on Tools with Artificial Intelligence (ICTAI)

2025 IEEE International Conference on Big Data and Cloud Computing (BDCloud)

2025 Conference on AI, Science, Engineering, and Technology (AIxSET)

*Note: This list of new conferences is not all-inclusive or final; it is based on information available as of 10/2025 and is subject to change.

To browse all IEEE conferences, please visit **www.ieee.org/ieeexplore**

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New IEEE Standards Include:

IEEE 1012-2024—IEEE Standard for System, Software, and Hardware Verification and Validation

IEEE C57.12.44-2024—IEEE Standard Requirements for Secondary Network Protectors

IEEE 2247.4—IEEE Recommended Practice for Ethically Aligned Design of Artificial Intelligence (AI) in Adaptive Instructional Systems

IEEE Std 1680.2-2024—IEEE Standard for Environmental Assessment of Imaging Equipment

IEEE P3130/D8, Jun 2024—IEEE Draft Standard for Security Requirements and Testing Methods of Operating Systems in Connected Vehicles

IEEE 2413.3—IEEE Guide for Hydropower Energy Internet of Things

IEEE 2418.5—IEEE Guide for Blockchain in Power and Energy Systems

IEEE 2840-2024—IEEE Standard for Responsible AI Licensing

IEEE P1937.7/D3.3, Aug 2024—IEEE Draft Standard for the Unmanned Aerial Vehicle (UAV) Polarimetric Remote Sensing Method for Earth Observation Applications

IEEE P2686/D9.4, Aug 2024—IEEE Draft Recommended Practice for Battery Management Systems in Energy Storage Applications

IEEE Std 7009-2024—IEEE Standard for Fail-Safe Design of Autonomous and Semi-Autonomous Systems

IEEE Std 7014-2024—IEEE Standard for Ethical Considerations in Emulated Empathy in Autonomous and Intelligent Systems

IEEE P1857.11/D3, Jun 2024—IEEE Draft Standard for Neural Network-Based Image Coding

IEEE P3345/D7.1, Jun 2024—IEEE Draft Guide for Terminology and Classification of Electric Vehicle Charging Robots

IEEE 2894-2024—IEEE Guide for an Architectural Framework for Explainable Artificial Intelligence

IEEE 2861.3-2023—IEEE Standard for Haptic Interface Enhancement for Mobile Gaming

*Information current as of 09/2025

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IEEE Journals Priced Below the Competition

According to *Library Journal* (April 2025), the average cost of an engineering journal is US$5,851. But the average cost of an IEEE journal is just US$1,310.

US$5,851

US$1,310

75% lower than the competition

Average Engineering Journal

Average IEEE Journal
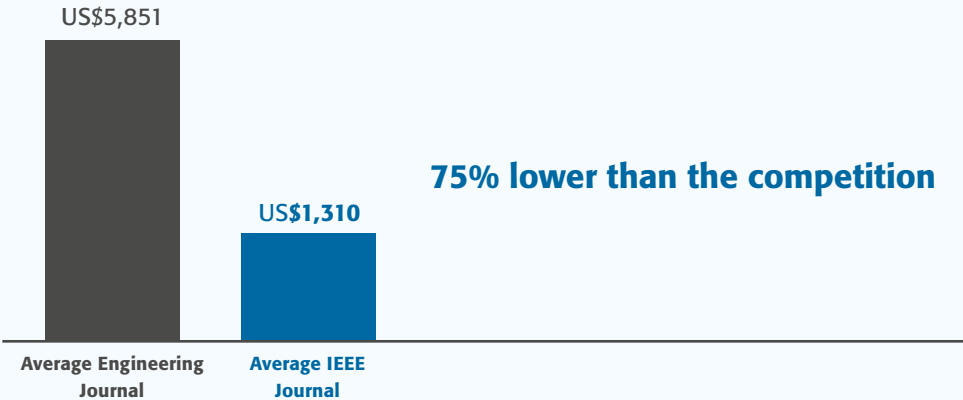
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Improve ROI through Smarter Research

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What are some of the ***reasons and business advantages*** for using IEEE *Xplore*?

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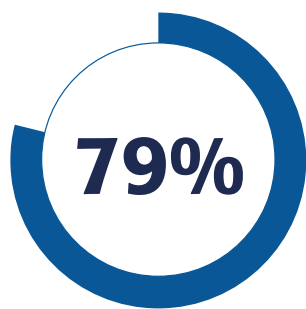
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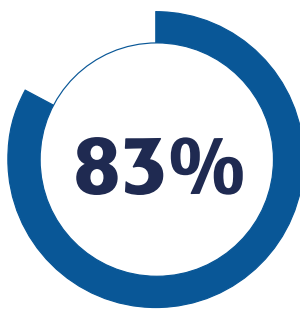
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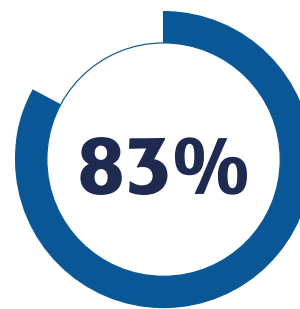
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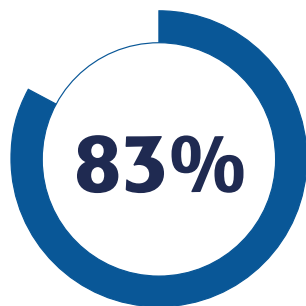
Helps explore new opportunities to innovate

85%
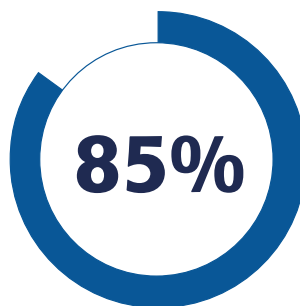
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79%
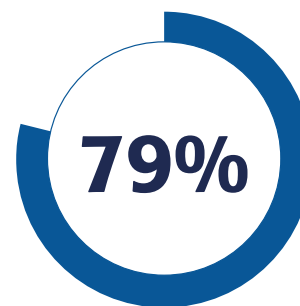
Maintain productivity and collaboration in a hybrid work environment

Collectively, the results reveal the main business advantage of using IEEE *Xplore* is that it sets the stage for a cycle of ongoing, interrelated process improvements and product innovations.

Benefits from using IEEE *Xplore*

Encourages *Innovative Thinking*

Increases *Daily Productivity*

Get Up to Speed Quickly on a Project

Supports More *Efficient Problem Solving*

Avoid Reinventing the wheel

Feedback from Actual Users and Why they Rely on IEEE *Xplore*

" Having access to journal articles helps me understand complex issues better and this **enables me to solve problems faster** for my company.

" A **fantastic resource** to access a broad spectrum of technical topics.

" It helps me **get up to speed and up to date on new topics quickly**, avoiding reinventing the wheel or inventing a suboptimal solution.

" It provides the **latest trusted and high-quality research** on the topic of work that we use for either verifying our own works or to find new solutions.

IEEE Journals Included in IEL

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Aerospace and Electronic Systems, IEEE Trans. on (T-AES)	$4,065
Miniaturization for Air and Space Systems, IEEE Journal on (J-MASS)	$410
Radar Systems, IEEE Trans. on (T-RS)	$1,130
Antennas	
Antennas and Propagation Magazine, IEEE (M-AP)	$840
Antennas and Propagation, IEEE Trans. on (T-AP)	$3,275
Antennas and Wireless Propagation Letters, IEEE (L-AWP)	$1,285
Biomedical	
Biomedical and Health Informatics, IEEE Journal of (J-BHI)	$960
Biomedical Circuits and Systems, IEEE Trans. on (T-BCAS)	$795
Biomedical Engineering, IEEE Reviews in (R-BME)	$360
Biomedical Engineering, IEEE Trans. on (T-BME)	$3,550
Computational Biology and Bioinformatics, IEEE Trans. on (T-CBBIO)	$700
Electromagnetics, RF and Microwaves in Medicine and Biology, IEEE Journal of (J-ERM)	$680
Medical Imaging, IEEE Trans. on (T-MI)	$4,325
Medical Robotics and Bionics, IEEE Trans. on (T-MRB)	$520
NanoBioscience, IEEE Trans. on (T-NB)	$900
Neural Networks and Learning Systems, IEEE Trans. on (T-NNLS)	$6,305
IEEE Pulse (M-PULSE)	$820
Radiation and Plasma Medical Science, IEEE Trans. on (T-RPMS)	$3,290
Broadcasting and Digital Media	
Broadcasting, IEEE Trans. on (T-BC)	$245
Circuit Theory, Analysis, and Design	
Circuits and Systems for Artificial Intelligence, IEEE Trans. on (T-CASAI)	$1,140
Circuits and Systems for Video Technology, IEEE Trans. on (T-CSVT)	$1,865
Circuits and Systems Part I: Regular Papers, IEEE Trans. on (T-CAS1)	$2,080
Circuits and Systems Part II: Express Briefs, IEEE Trans. on (T-CAS2)	$1,700
Industrial Cyber-Physical Systems, IEEE Trans. on (T-ICPS)	$1,385
Molecular, Biological, and Multi-Scale Communications, IEEE Trans. on (T-MBMSC)	$570
Circuits and Devices	
AgriFood Electronics, IEEE Trans. on (T-AFE)	$1,340
Circuits and Systems Magazine, IEEE (M-CAS)	$775
Emerging and Selected Topics in Circuits and Systems, IEEE Journal on (JETCAS)	$1,210
Flexible Electronics, IEEE Journal on (J-FLEX)	$580
Radio Frequency Identification, IEEE Journal of (J-RFID)	$650
Communication and Information	
Cognitive Communications and Networking, IEEE Trans. on (T-CCN)	$965
Communications Letters, IEEE (L-COMM)	$1,030
Communications Magazine, IEEE (M-COMM)	$1,215
Communications, IEEE Trans. on (T-COMM)	$2,950
Communications Standards Magazine, IEEE (M-COMSTD)	$500
Communications Surveys & Tutorials, IEEE (COMST)	$990
Pervasive Computing Magazine, IEEE (M-PVC)	$1,000
Selected Areas in Communications, IEEE Journal on (J-SAC)	$2,845
Communications Networks/Systems	
Green Communications and Networking, IEEE Trans. on (T-GCN)	$740
Network and Service Management, IEEE Trans. on (T-NSM)	$480
Network Science and Engineering, IEEE Trans. on (T-NSE)	$730
Network, IEEE (M-NET)	$845
Networking, IEEE Trans. on (T-ON)	$1,380
IEEE Networking Letters (L-NET)	$650
Computational Intelligence	
Affective Computing, IEEE Trans. on (T-AFFC)	$850
Cognitive and Developmental Systems, IEEE Trans. on (T-CDS)	$1,505
Computational Intelligence Letters, IEEE (Cl-L)	$800
Computational Intelligence Magazine, IEEE (M-CI) **NEW!**	$90
Emerging Topics in Computational Intelligence, IEEE Trans. On (T-ETCI)	$1,265
Evolutionary Computation, IEEE Trans. on (T-EVC)	$1,865
Fuzzy Systems, IEEE Trans. on (T-FUZZ)	$4,060

Journal Titles	Online Price
Games, IEEE Trans. on (T-G)	$1,105
Intelligent Systems Magazine, IEEE (M-IS)	$1,375
Knowledge and Data Engineering, IEEE Trans. on (T-KDE)	$2,945
Pattern Analysis and Machine Intelligence, IEEE Trans. on (T-PAMI)	$4,250
Services Computing, IEEE Trans. on (T-SC)	$595
Computer Graphics	
Computer Graphics and Applications Magazine, IEEE (M-CG&A)	$1,490
Visualization and Computer Graphics, IEEE Trans. on (T-VCG)	$2,105
Computer Science & Engineering	
Annals of the History of Computing, IEEE (M-AHC)	$780
Artificial Intelligence, IEEE Trans. on (T-AI)	$1,770
Big Data, IEEE Trans. on (T-BD)	$910
Computer Architecture Letters, IEEE (L-CA)	$190
Computer Magazine (M-C)	$3,025
Computers, IEEE Trans. on (T-C)	$3,435
Computing in Science and Engineering Magazine (CiSE)	$955
Design and Test Magazine, IEEE (M-D&T)	$1,070
Embedded Systems Letters, IEEE (L-ES)	$670
Emerging Topics in Computing, IEEE Trans. on (T-ETC)	$855
Internet Computing Magazine, IEEE (M-IC)	$1,450
Internet of Things Journal, IEEE (J-IOT)	$615
Internet of Things Magazine, IEEE (M-IOT)	$645
Micro Magazine, IEEE (M-MICRO)	$1,305
Mobile Computing, IEEE Trans. on (T-MC)	$1,565
MultiMedia Magazine, IEEE (M-MULTI)	$1,135
Multiscale and Multiphysics Computational Techniques, IEEE Journal on (J-MMCT)	$710
Sustainable Computing, IEEE Trans. on (T-SUSC)	$990
Technology and Society Magazine, IEEE (M-T&S)	$500
Technology and Society, IEEE Trans. on (T-TS)	$425
Consumer Electronics	
Consumer Electronics Magazine, IEEE (M-CE)	$390
Consumer Electronics, IEEE Trans. on (T-CE)	$520
Control and Automation	
Automatic Control, IEEE Trans. on (T-AC)	$4,040
Automatica Sinica, IEEE/CAA Journal of (J-AS)	$605
Control of Network Systems, IEEE Trans. on (T-CNS)	$595
Control Systems Letters, IEEE (L-CSS)	$840
Control Systems Magazine, IEEE (M-CS)	$735
Control Systems Technology, IEEE Trans. on (T-CST)	$1,030
Mechatronics, IEEE/ASME Trans. on (T-MECH)	$1,450
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Learning Technologies, IEEE Trans. on (T-LT)	$285
Revista Iberoamericana de Tecnologías del Aprendizaje, IEEE (IEEE-RITA)	$190
Electromagnetic Compatibility	
Electromagnetic Compatibility Magazine, IEEE (M-EMC)	$680
Electromagnetic Compatibility, IEEE Trans. on (T-EMC)	$665
Electromagnetic Compatibility Practice and Applications, IEEE Letters on (L-EMCPA)	$415
Ultrasonics, Ferroelectrics and Frequency Control, IEEE Trans. on (T-UFFC)	$1,710
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Device and Materials Reliability, IEEE Trans. on (T-DMR)	$1,080
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Electron Devices Magazine, IEEE (ED-M)	$455
Electron Devices Reviews, IEEE (EDR)	$1,140
Electron Devices, IEEE Trans. on (T-ED)	$3,925
Materials for Electron Devices, IEEE Trans. on (T-MAT)	$1,025
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IEEE Engineering Management Review, IEEE (R-EM)	$555
Engineering Management, IEEE Trans. on (T-EM)	$2,255

Journal Titles	Online Price
Geoscience, Ocean Technology, and Remote Sensing	
Geoscience and Remote Sensing Letters, IEEE (L-GRS)	$665
Geoscience and Remote Sensing Magazine, IEEE (M-GRS)	$550
Geoscience and Remote Sensing, IEEE Trans. on (T-GRS)	$2,525
Oceanic Engineering, IEEE Journal of (J-OE)	$530
Industry	
Emerging and Selected Topics in Industrial Electronics, IEEE Journal of (J-ESTIE)	$220
Industrial Electronics Magazine, IEEE (M-IE)	$380
Industrial Electronics, IEEE Trans. on (T-IE)	$2,720
Industrial Informatics, IEEE Trans. on (T-IINF)	$1,240
Industry Applications Magazine, IEEE (M-IA)	$445
Industry Applications, IEEE Trans. on (T-IA)	$2,105
Information Theory	
BITS the Information Theory Magazine, IEEE (M-BITS)	$415
Information Theory, IEEE Trans. on (T-IT)	$2,425
Selected Areas in Information Theory, IEEE Journal on (J-SAIT)	$755
Instrumentation, Measurement, and Testing	
Instrumentation and Measurement Magazine, IEEE (M-IM)	$275
Instrumentation and Measurement, IEEE Trans. on (T-IM)	$2,190
Sensors Journal, IEEE (J-SEN)	$2,385
Sensors Letters, IEEE (L-SEN)	$610
Sensors Magazine, IEEE (SEN) **NEW!**	$450
Interdisciplinary	
Canadian Journal of Electrical and Computer Engineering	NA*
Latin America Transactions, IEEE	NA*
Nanotechnology Magazine, IEEE (M-NANO)	$515
Nanotechnology, IEEE Trans. on (T-NANO)	$1,230
Potentials, IEEE (STM) Online free w/print	$50
Proceedings of the IEEE	$1,630
Spectrum, IEEE	$599
Magnetics, Superconductors	
Applied Superconductivity, IEEE Trans. on (T-ASC)	$2,365
Magnetics Society Package, IEEE	$1,082
Manufacturing (Circuits and Devices)	
Components, Packaging and Manufacturing Technology, IEEE Trans. on (T-CPMT)	$1,755
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Microwave	
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International Conference on Computer Vision (ICCV)

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IEEE Int'l Conf on Communications (ICC)

Int'l Symp on Communications and Information Technologies (ISCIT)

Computing

IEEE/CVF Conf on Computer Vision and Pattern Recognition (CVPR)

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Control and Automation

American Control Conf (ACC)

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