

Citations to IEEE Journals Continue to Climb

Each year, the Journal Citation Reports (JCR) from Thomson ISI examine the impact of academic journals by determining how often journals' articles are cited by later research.

The 2005 study, released in June 2006, shows that IEEE journals maintain a healthy and growing lead in their field. The JCR ranks journals by their 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.

According to the JCR, IEEE publishes:

- 18 of the top 20 journals in the field of Electrical and Electronic Engineering
- 9 of the top 10 journals in Telecommunications (up from 7 in 2004)
- 7 of top 10 journals in Computer Science, Hardware & Architecture
- 8 of top 20 journals in Computer Science, Information Systems
- 8 of top 20 journals in Computer Science, Software Engineering
- and high-ranking journals in several additional fields of technology

According to Thomson ISI, the JCR "presents quantifiable statistical data that provides a systematic, objective way to evaluate the world's leading journals and their impact and influence in the global research community."

Additional information on IEEE journal rankings appears below:

The Top 20 Journals in Electrical & Electronic Engineering

1. *Prog Quant Electron*
2. IEEE Transactions on Medical Imaging
3. Proceedings of the IEEE
4. IEEE Transactions on Pattern Analysis
5. IEEE Transactions on Circuits and Systems for Video Technology
6. IEEE/OSA Journal of Microelectromechanical Systems
7. IEEE Electron Device Letters
8. IEEE/ACM Transactions on Networking
9. IEEE Network
10. IEEE Signal Processing Magazine
11. IEEE Journal on Selected Areas in Communications
12. IEEE Wireless Communications Magazine
13. IEEE Intelligent Systems Magazine
14. IEEE Journal of Quantum Electronics
15. IEEE Transactions on Image Processing
16. IEEE Journal of Selected Topics in Quantum Electronics
17. *J Cryptol*
18. IEEE Transactions on Microwave Theory and Techniques
19. IEEE Photonics Technology Letters
20. IEEE Transactions on Neural Networks

The Top 10 Journals in Telecommunications

1. IEEE Transactions on Mobile Computing
2. IEEE Network
3. IEEE Journal on Selected Areas in Communications
4. IEEE Wireless Communications Magazine
5. IEEE Pervasive Computing Magazine
6. *Opt Fiber Technol*
7. IEEE Communications Magazine
8. IEEE Microwave Magazine
9. IEEE Transactions on Multimedia
10. IEEE Transactions on Communications

Notable IEEE Journals	
IEEE Transactions on Robotics	# 1 in Robotics
IEEE Transactions on Medical Imaging	# 1 in Imaging Science & Photographic Technology # 2 in Electrical & Electronic Engineering # 3 in Computer Science, Interdisciplinary Applications # 3 in Biomedical Engineering # 6 in Radiology, Nuclear Medicine & Medical Imaging
IEEE Transactions on Mobile Computing	# 1 in Telecommunications
IEEE Transactions on Pattern Analysis	# 2 in Artificial Intelligence
IEEE/ACM Transactions on Networking	# 2 in Computer Science, Hardware & Architecture
IEEE Network	# 2 in Telecommunications # 3 in Computer Science, Hardware & Architecture # 9 in Electrical & Electronic Engineering
IEEE Internet Computing Magazine	# 3 in Computer Science, Software Engineering
IEEE Journal of Oceanic Engineering	# 3 in Ocean Engineering
IEEE Transactions on Nuclear Science	# 3 in Nuclear Science & Engineering
IEEE Transactions on Geoscience and Remote Sensing	# 3 in Remote Sensing
IEEE Transactions on Intelligent Transportation	# 3 in Transportation Science & Technology
IEEE Transactions on Aerospace and Electronic Systems	# 6 in Aerospace Engineering