

Semiconductor Organizations Innovate with IEEE Information

IEEE Information Drives Semiconductor Patents

Recent studies show that IEEE scientific and technical articles are **cited more than six times** as often as articles from any other publisher.*

In the semiconductor industry, more patents cite IEEE than any other publisher – **28% of all patent citations** versus 14% for the number two organization, AIP, and 8% for number three publisher, Elsevier Science. In the related area of information storage, IEEE is the source of **44% of scientific and technical citations**, AIP accounts for 5%.*

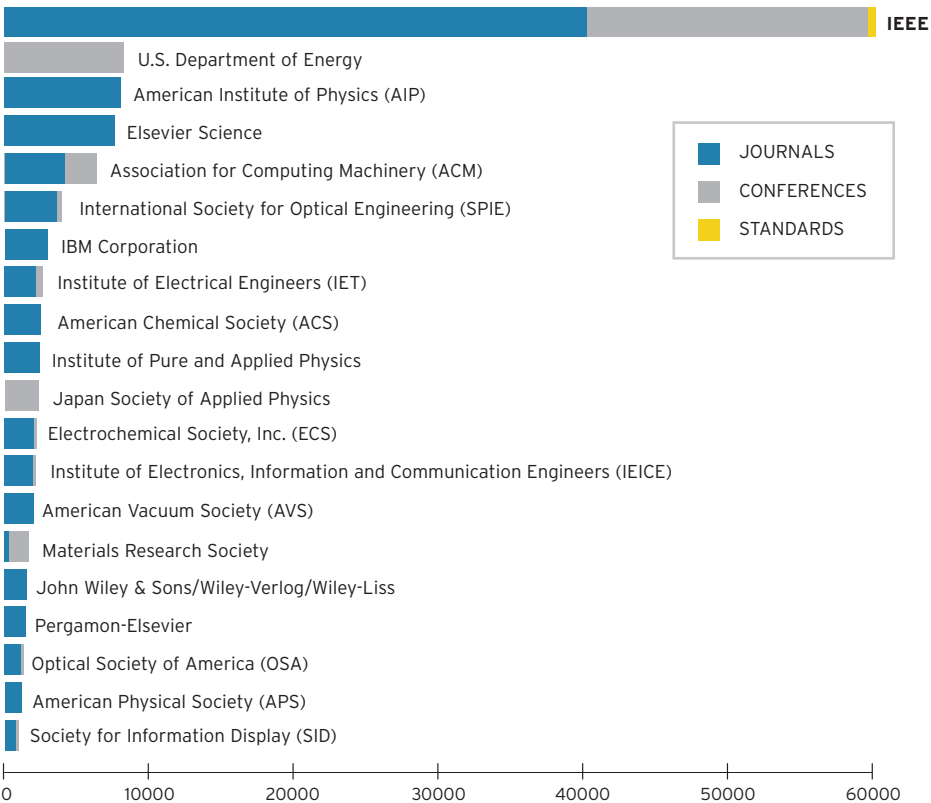
7 of the top 10 chip manufacturing companies subscribe to an IEEE online product

Source: 2006 Fortune 1,000 Rankings

All 10 of the top 10 R&D-spending companies in the semiconductor field subscribe to an IEEE online product

Source: 2006 Financial Times

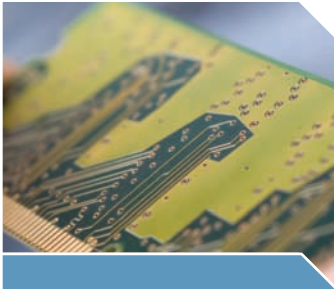
Patent References from the Top 25 Patenting Organizations to Top Publishers*



* Source: 1790 Analytics, LLC. Copyright 2005. Publishers compiled from all journals referenced 100+ times from organizations in 2004 US Patent Office Filings.

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IEEE Journal of Solid-State Circuits is Top-Cited

This highly regarded journal was **cited more than 10,000 times** in successful US patents from 1985 to 2002. *JSSC*, *IEEE Transactions on Electron Devices*, and *IEEE Electron Device Letters* are all among the top-cited titles in patent applications.

IEEE Journal

Citations from Patents 1985-2002

| | |
|---|--------|
| 1. <i>IEEE Journal of Solid-State Circuits</i> | 10,639 |
| 2. <i>IEEE Transactions on Electron Devices</i> | 8,724 |
| 3. <i>Proceedings of the IEEE</i> | 6,577 |
| 4. <i>IEEE Communications Magazine</i> | 6,100 |
| 5. <i>IEEE Transactions on Magnetics</i> | 5,965 |
| 6. <i>IEEE Transactions on Computers</i> | 4,602 |
| 7. <i>IEEE Journal of Quantum Electronics</i> | 4,040 |
| 8. <i>IEEE Electron Device Letters</i> | 3,803 |
| 9. <i>IEEE Signal Processing Magazine</i> | 3,356 |
| 10. <i>IEEE Photonics Technology Letters</i> | 2,927 |

More Essential IEEE Publications for Semiconductor Organizations

IEEE Circuits & Devices Magazine

IEEE Journal of Solid-State Circuits

IEEE Instrumentation & Measurement Magazine

and many others

IEEE Content for Semiconductors

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