

IEEE Xplore Statistics for 2005, Top 25 Articles for the Sensors Journal

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1. "Overview of automotive sensors", W.J. Fleming, Vol. 1, Issue No. 4, PP. 296-308 (2001), No. of PDF Views 1,132.
2. "Sensor technologies for monitoring metabolic activity in single cells-part II: nonoptical methods and applications", R.A. Yotter, L.A. Lee, and D.M. Wilson, Vol. 4, Issue No. 4, PP. 395-411 (2004), No. of PDF Views 847.
3. "Emerging biomedical sensing technologies and their applications", G.L. Cote, R.M. Lee, and M.V. Pishko, Vol. 3, Issue No. 3, PP. 251-266 (2003), No. of PDF Views 730.
4. "Sensor technologies for monitoring metabolic activity in single cells-part I: optical methods", R.A. Yotter and D.M. Wilson, Vol. 4, Issue No. 4, PP. 412-429 (2004), No. of PDF Views 721.
5. "Inertial sensor technology trends", N. Barbour and G. Schmidt, Vol. 1, Issue No. 4, PP. 332-339 (2001), No. of PDF Views 710.
6. "Multisensor fusion and integration: approaches, applications, and future research directions", R.C. Luo, C.-C. Yin, and K.L. Su, Vol. 2, Issue No. 2, PP. 107-119 (2002), No. of PDF Views 707.
7. "Design, optimization, and performance analysis of new photodiode structures for CMOS active-pixel-sensor (APS) imager applications", C.-Y. Wu, Y.-C. Shih, J.-F. Lan, C.-C. Hsieh, C.-C. Huang, and J.-H. Lu, Vol. 4, Issue No. 1, PP. 135-144 (2004), No. of PDF Views 591.
8. "Precision temperature measurement using CMOS substrate pnp transistors", M.A.P. Pertijs, G.C.M. Meijer, and J.H. Huijsing, Vol. 4, Issue No. 3, PP. 294-300 (2004), No. of PDF Views 568.
9. "Microelectromechanical devices for satellite thermal control", R. Osiander, S.L. Firebaugh, J.L. Champion, D. Farrar, and M.A.G. Darrin, Vol. 4, Issue No. 4, PP. 525-531 (2004), No. of PDF Views 555.
10. "Evaluation of an electronic nose to assess fruit ripeness", J. Brezmes, Ma.L.L. Fructuoso, E. Llobet, X. Vilanova, I. Recasens, J. Orts, G.P. Saiz, and X. Correig, Vol. 5, Issue No. 1, PP. 97-108 (2005), No. of PDF Views 528.
11. "An approach to multilayer microfluidic systems with integrated electrical, optical, and mechanical functionality", A. Han, M. Graff, O. Wang, and A.B. Frazier, Vol. 5, Issue No. 1, PP. 82-89 (2005), No. of PDF Views 503.
12. "Temperature sensors and voltage references implemented in CMOS technology", G.C.M. Meijer, W. Guijje, and F. Fruet, Vol. 1, Issue No. 3, PP. 225-234 (2001), No. of PDF Views 484.
13. "Design and fabrication of a microimpedance biosensor for bacterial detection", S.M. Radke and E.C. Alocilja, Vol. 4, Issue No. 4, PP. 434-440 (2004), No. of PDF Views 473.
14. "A wireless, passive carbon nanotube-based gas sensor", K.G. Ong, K. Zeng, and C.A. Grimes, Vol. 2, Issue No. 2, PP. 82-88 (2002), No. of PDF Views 468.

15. "Chemical sensors for portable, handheld field instruments", D.M. Wilson, S. Hoyt, J. Janata, K. Booksh, and L. Obando, Vol. 1, Issue No. 4, PP. 256-274 (2001), No. of PDF Views 426.
16. "Design of a single-chip pH sensor using a conventional 0.6- μm CMOS process", P.A. Hammond, D. Ali, and D.R.S. Cumming, Vol. 4, Issue No. 6, PP. 706-712 (2004), No. of PDF Views 423.
17. "Ranking sensors using an adaptive fuzzy logic algorithm", G. Shayer, O. Cohen, E. Korach, and Y. Edan, Vol. 5, Issue No. 1, PP. 59-67 (2005), No. of PDF Views 416.
18. "Design of a subcutaneous implantable biochip for monitoring of glucose and lactate", A. Guiseppi-Elie, S. Brahim, G. Slaughter, and K.R. Ward, Vol. 5, Issue No. 3, PP. 345-355 (2005), No. of PDF Views 404.
19. "CMOS pixels for subretinal implantable prosthesis", M. Mazza, P. Renaud, D.C. Bertrand, and A.M. Ionescu, Vol. 5, Issue No. 1, PP. 32-37 (2005), No. of PDF Views 403.
20. "A lab-on-a-chip for cell detection and manipulation", G. Medoro, N. Manaresi, A. Leonardi, L. Altomare, M. Tartagni, and R. Guerrieri, Vol. 3, Issue No. 3, PP. 317-325 (2003), No. of PDF Views 397.
21. "Integrated smart sensor networking framework for sensor-based appliances", M. Syeda and R. Vrba, Vol. 3, Issue No. 5, PP. 579-586 (2003), No. of PDF Views 397.
22. "Si-based sensor for virus detection", A. Balasubramanian, B. Bhuva, R. Mernaugh, and F.R. Haselton, Vol. 5, Issue No. 3, PP. 340-344 (2005), No. of PDF Views 382.
23. "Electrostatically actuated resonant microcantilever beam in CMOS technology for the detection of chemical weapons", I. Voiculescu, M.E. Zaghoul, R.A. McGill, E.J. Houser, and G.K. Fedder, Vol. 5, Issue No. 4, PP. 641-647 (2005), No. of PDF Views 371.
24. "Fabrication, characterization, and analysis of a DRIE CMOS-MEMS gyroscope", H. Xie and G.K. Fedder, Vol. 3, Issue No. 5, PP. 622-631 (2003), No. of PDF Views 369.
25. "Room-temperature hydrogen sensor based on palladium nanowires", M.Z. Atashbar, D. Banerji, and S. Singamaneni, Vol. 5, Issue No. 5, PP. 792-797 (2005), No. of PDF Views 364.