



www.sciencedirect.com

select your interest

Engineering

Sensors and Actuators A: Physical

[browse top 25 archive](#)

Current: July - September 2009

[show my alerts](#)

sign up now! for the e-mail alerts

e-mail address

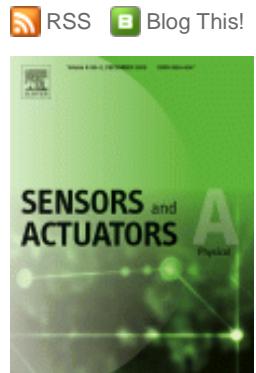
[About the Top 25](#)

[go to ScienceDirect](#) [contact](#) [sitemap](#)

Top 25 Hottest Articles

Engineering > Sensors and Actuators A: Physical

July - September 2009



- 1. **Fiber optic sensor technology: an overview**
Sensors and Actuators A: Physical, Volume 82, Issue 1-3, Pages 40-61
Grattan, K.T.V.; Sun, T.

 Cited by Scopus (1)
- 2. **Process and material properties of polydimethylsiloxane (PDMS) for Optical MEMS**
Sensors and Actuators A: Physical, Volume 151, Issue 2, Pages 95-99
Schneider, F.; Draheim, J.; Kammerer, R.; Wallrabe, U.

 Cited by Scopus (1)
- 3. **Synthesis of nano-sized ZnO using drop wise method and its performance as moisture sensor**
Sensors and Actuators A: Physical, Pages 137-141
Yadav, B.C.; Srivastava, R.; Dwivedi, C.D.; Pramanik, P.

 Cited by Scopus (21)
- 4. **Mechanical properties of ZnO nanowires**
Sensors and Actuators A: Physical, Volume 134, Issue 1, Pages 169-176
Desai, A.V.; Haque, M.A.

 Cited by Scopus (21)
- 5. **Nano electromechanical sensors based on carbon nanotubes** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, Pages 51-61
Hierold, C.; Jungen, A.; Stampfer, C.; Helbling, T.

 Cited by Scopus (21)
- 6. **MEMS power generator with transverse mode thin film PZT**
Sensors and Actuators A: Physical, Volume 122, Issue 1, Pages 16-22
Jeon, Y.B.; Sood, R.; Jeong, J.h.; Kim, S.G.

 Cited by Scopus (98)
- 7. **Fibre Bragg gratings in structural health monitoring-Present status and applications** • Review article
Sensors and Actuators A: Physical, Volume 147, Issue 1, Pages 150-164
Majumder, M.; Gangopadhyay, T.K.; Chakraborty, A.K.; Dasgupta, K.; Bhattacharya, D.K.

 Cited by Scopus (6)
- 8. **Design, process and characterisation of a high-performance vibration sensor for wireless condition monitoring**

- Sensors and Actuators A: Physical, Pages 155-161*
Vogl, A.; Wang, D.T.; Storas, P.; Bakke, T.; Taklo, M.M.V.; Thomson, A.; Balgard, L.
-
- 9. Fibre-optic sensor technologies for humidity and moisture measurement** • Review article
Sensors and Actuators A: Physical, Volume 144, Issue 2, Pages 280-295
Yeo, T.L.; Sun, T.; Grattan, K.T.V.
 Cited by Scopus (7)
-
- 10. Squeeze film air damping in MEMS** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, Pages 3-27
Bao, M.; Yang, H.
 Cited by Scopus (29)
-
- 11. Piezoelectric ultrasonic micro/milli-scale actuators** • Review article
Sensors and Actuators A: Physical, Volume 152, Issue 2, Pages 219-233
Watson, B.; Friend, J.; Yeo, L.
-
- 12. Hot embossing as a method for the fabrication of polymer high aspect ratio structures**
Sensors and Actuators A: Physical, Volume 83, Issue 1-3, Pages 130-135
Becker, H.; Heim, U.
-
- 13. Integrated power harvesting system including a MEMS generator and a power management circuit**
Sensors and Actuators A: Physical, Volume 145-146, Pages 363-370
Marzencki, M.; Ammar, Y.; Basrour, S.
-
- 14. TiNi-based thin films in MEMS applications: a review**
Sensors and Actuators A: Physical, Volume 112, Issue 2-3, Pages 395-408
Fu, Y.; Du, H.; Huang, W.; Zhang, S.; Hu, M.
 Cited by Scopus (135)
-
- 15. Development of a thermoelectric energy harvester with thermal isolation cavity by standard CMOS process**
Sensors and Actuators A: Physical, Pages 244-250
Yang, S.M.; Lee, T.; Jeng, C.A.
-
- 16. Rapid mixing between ferro-nanofluid and water in a semi-active Y-type micromixer**
Sensors and Actuators A: Physical, Pages 267-273
Tsai, T.H.; Liou, D.S.; Kuo, L.S.; Chen, P.H.
-
- 17. Energy managed reporting for wireless sensor networks**
Sensors and Actuators A: Physical, Volume 142, Issue 1, Pages 379-389
Merrett, G.V.; Harris, N.R.; Al-Hashimi, B.M.; White, N.M.
 Cited by Scopus (6)
-
- 18. Electromagnetic generator for harvesting energy from human motion**
Sensors and Actuators A: Physical, Volume 147, Issue 1, Pages 248-253
Saha, C.R.; O'Donnell, T.; Wang, N.; McCloskey, P.
 Cited by Scopus (4)
-
- 19. Piezoelectric bimorph charge mode force sensor**
Sensors and Actuators A: Physical, Volume 153, Issue 1, Pages 42-49
Kursu, O.; Kruusing, A.; Pudas, M.; Rahkonen, T.
-
- 20. An electromagnetic micro power generator for wideband environmental vibrations**
Sensors and Actuators A: Physical, Volume 145-146, Pages 405-413
Sari, I.; Balkan, T.; Kulah, H.
-
- 21. Fabrication, modelling and characterization of MEMS piezoelectric vibration harvesters**
Sensors and Actuators A: Physical, Volume 145-146, Pages 380-386
Renaud, M.; Karakaya, K.; Sterken, T.; Fiorini, P.; Van Hoof, C.; Puers, R.
-
- 22. Fabrication of gapless dual-curvature microlens as a diffuser for a LED package**
Sensors and Actuators A: Physical, Volume 150, Issue 1, Pages 156-167
Pan, C.T.; Chen, M.F.; Cheng, P.J.; Hwang, Y.M.; Tseng, S.D.; Huang, J.C.
-
- 23. On the nonlinear-flexural response of piezoelectrically driven microcantilever sensors**
Sensors and Actuators A: Physical, Pages 171-179
Mahmoodi, S.; Daqaq, M.F.; Jalili, N.
-
- 24. On the wet etching of Pyrex glass**
Sensors and Actuators A: Physical, Volume 143, Issue 1, Pages 154-161
Iliescu, C.; Chen, B.; Miao, J.
 Cited by Scopus (3)
-
- 25. Deep reactive ion etching of Pyrex glass using SF₆ plasma**
Sensors and Actuators A: Physical, Volume 87, Issue 3, Pages 139-145
Li, X.; Abe, T.; Esashi, M.
 Cited by Scopus (71)