



www.sciencedirect.com



select your interest

Engineering

Sensors and Actuators A: Physical

browse top 25 archive

Current: October - December 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
October - December 2009



RSS

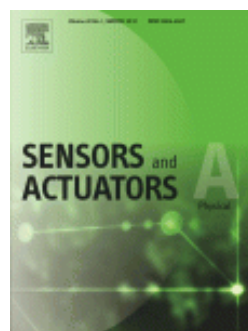


Blog This!



Print

[Show condensed](#)



- Fiber optic sensor technology: an overview**
Sensors and Actuators A: Physical, Volume 82, Issue 1-3, May 2000, Pages 40-61
Grattan, K.T.V.; Sun, T.
- Micromachined PZT cantilever based on SOI structure for low frequency vibration energy har**
Sensors and Actuators A: Physical, Volume 154, Issue 1, August 2009, Pages 103-108
Shen, D.; Park, J.H.; Noh, J.H.; Choe, S.Y.; Kim, S.H.; Wickle, H.C.; Kim, D.J.
- MEMS power generator with transverse mode thin film PZT**
Sensors and Actuators A: Physical, Volume 122, Issue 1, July 2005, Pages 16-22
Jeon, Y.B.; Sood, R.; Jeong, J.h.; Kim, S.G.
- Nano electromechanical sensors based on carbon nanotubes** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, May 2007, Pages 51-61
Hierold, C.; Jungen, A.; Stampfer, C.; Helbling, T.
- Fibre Bragg gratings in structural health monitoring-Present status and applications** • Review article
Sensors and Actuators A: Physical, Volume 147, Issue 1, September 2008, Pages 150-164
Majumder, M.; Gangopadhyay, T.K.; Chakraborty, A.K.; Dasgupta, K.; Bhattacharya, D.K.
- Process and material properties of polydimethylsiloxane (PDMS) for Optical MEMS**
Sensors and Actuators A: Physical, Volume 151, Issue 2, April 2009, Pages 95-99
Schneider, F.; Draheim, J.; Kamberger, R.; Wallrabe, U.
- Integrated power harvesting system including a MEMS generator and a power management circuit**
Sensors and Actuators A: Physical, Volume 145-146, July 2008, Pages 363-370
Marzencki, M.; Ammar, Y.; Basrour, S.
- Characterization of electrospun ZnO-SnO₂ nanofibers for ethanol sensor**
Sensors and Actuators A: Physical, Volume 154, Issue 1, August 2009, Pages 175-179
Song, X.; Liu, L.
- Fibre-optic sensor technologies for humidity and moisture measurement** • Review article
Sensors and Actuators A: Physical, Volume 144, Issue 2, June 2008, Pages 280-295
Yeo, T.L.; Sun, T.; Grattan, K.T.V.

10. **TiNi-based thin films in MEMS applications: a review**
Sensors and Actuators A: Physical, Volume 112, Issue 2-3, May 2004, Pages 395-408
 Fu, Y.; Du, H.; Huang, W.; Zhang, S.; Hu, M.

11. **Post processing of microstructures by PDMS spray deposition**
Sensors and Actuators A: Physical, Volume 155, Issue 2, October 2009, Pages 253-262
 Choonee, K.; Syms, R.R.A.; Ahmad, M.M.; Zou, H.

12. **Mechanical properties of ZnO nanowires**
Sensors and Actuators A: Physical, Volume 134, Issue 1, February 2007, Pages 169-176
 Desai, A.V.; Haque, M.A.

13. **Squeeze film air damping in MEMS** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, May 2007, Pages 3-27
 Bao, M.; Yang, H.

14. **Silicon nanowire sensor array using top-down CMOS technology**
Sensors and Actuators A: Physical, Volume 145-146, July 2008, Pages 207-213
 Agarwal, A.; Buddharaju, K.; Lao, I.K.; Singh, N.; Balasubramanian, N.; Kwong, D.L.

15. **Performance characterization of a new temperature-robust gain-bandwidth improved MEMS gyroscope operated in air**
Sensors and Actuators A: Physical, Volume 155, Issue 1, October 2009, Pages 16-22
 Trusov, A.A.; Schofield, A.R.; Shkel, A.M.

16. **Electromagnetic generator for harvesting energy from human motion**
Sensors and Actuators A: Physical, Volume 147, Issue 1, September 2008, Pages 248-253
 Saha, C.R.; O'Donnell, T.; Wang, N.; McCloskey, P.

17. **Integrated sensors, MEMS, and microsystems: Reflections on a fantastic voyage** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, May 2007, Pages 39-50
 Wise, K.D.

18. **Design and fabrication of MEMS thermoelectric generators with high temperature efficiency**
Sensors and Actuators A: Physical, Volume 145-146, July 2008, Pages 423-429
 Huesgen, T.; Woias, P.; Kockmann, N.

19. **Differences in anisotropic etching properties of KOH and TMAH solutions**
Sensors and Actuators A: Physical, Volume 80, Issue 2, March 2000, Pages 179-188
 Shikida, M.; Sato, K.; Tokoro, K.; Uchikawa, D.

20. **A comparison between several vibration-powered piezoelectric generators for standalone systems**
Sensors and Actuators A: Physical, Volume 126, Issue 2, February 2006, Pages 405-416
 Lefeuvre, E.; Badel, A.; Richard, C.; Petit, L.; Guyomar, D.

21. **Synthesis of nano-sized ZnO using drop wise method and its performance as moisture sensor**
Sensors and Actuators A: Physical, Volume 153, Issue 2, August 2009, Pages 137-141
 Yadav, B.C.; Srivastava, R.; Dwivedi, C.D.; Pramanik, P.

22. **The optical mouse sensor as an incremental rotary encoder**
Sensors and Actuators A: Physical, Volume 155, Issue 1, October 2009, Pages 73-81
 Tresanchez, M.; Palleja, T.; Teixido, M.; Palacin, J.

23. **Modeling, characterization and fabrication of vibration energy harvester using Terfenol-D/PZT/Terfenol-D composite**
Sensors and Actuators A: Physical
 Dai, X.; Wen, Y.; Li, P.; Yang, J.; Zhang, G.

24. **Recent achievements in miniaturised humidity sensors-a review of transduction techniques** • Review article
Sensors and Actuators A: Physical, Volume 96, Issue 2-3, February 2002, Pages 196-210
 Rittersma, Z.M.

25. **Realization of a wearable miniaturized thermoelectric generator for human body applications**
Sensors and Actuators A: Physical
 Wang, Z.; Leonov, V.; Fiorini, P.; Van Hoof, C.