



select your interest

Engineering

Sensors and Actuators A: Physical

[browse top 25 archive](#)

Current: October - December 2007

[show my alerts](#)

sign up now! for the e-mail alerts

e-mail address

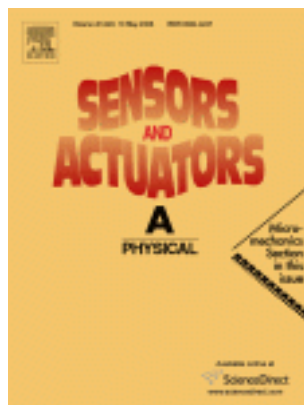
About the Top 25

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

Top 25 Hottest Articles

Engineering > Sensors and Actuators A: Physical
 October - December 2007

 RSS
  Blog This!
  Articles in Press
  Print
 [Show condensed](#)



1. **A magnetoelastic microtransformer-based microstrain gauge**
Sensors and Actuators A: Physical, Volume 129, Issue 1-2, 1 May 2006, Pages 41-44
 Amor, A.B.; Budde, T.; Gatzten, H.H.

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

3. **Characterization of sub-stoichiometric tungsten trioxide (WO₃-x) using impedance spectroscopy**
Sensors and Actuators A: Physical, Volume 118, Issue 2, 1 February 2005, Pages 322-331
 Ramzan, M.; Brydson, R.
[Cited by Scopus \(2\)](#)

4. **Nano electromechanical sensors based on carbon nanotubes** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, 1 May 2007, Pages 51-61
 Hierold, C.; Jungen, A.; Stampfer, C.; Helbling, T.
[Cited by Scopus \(1\)](#)

5. **Review of MEMS-based drug delivery and dosing systems** • Review article
Sensors and Actuators A: Physical, Volume 134, Issue 2, 1 March 2007, Pages 555-564
 Tsai, N.C.; Sue, C.Y.
[Cited by Scopus \(3\)](#)

6. **Integrated sensors, MEMS, and microsystems: Reflections on a fantastic voyage** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, 1 May 2007, Pages 39-50
 Wise, K.D.
[Cited by Scopus \(1\)](#)

7. **Trends and frontiers of MEMS** • Review article
Sensors and Actuators A: Physical, Volume 136, Issue 1, 1 May 2007, Pages 62-67
 Ko, W.H.

- 8. MEMS power generator with transverse mode thin film PZT**
Sensors and Actuators A: Physical, Volume 122, Issue 1, 1 July 2005, Pages 16-22
Jeon, Y.B.; Sood, R.; Jeong, J.h.; Kim, S.G.
[Cited by Scopus \(24\)](#)
- 9. Periodically structured ZnO thin films for optical gas sensor application**
Sensors and Actuators A: Physical, Volume 140, Issue 1, 1 October 2007, Pages 19-23
Dikovska, A.Og.; Atanasov, P.A.; Tonchev, S.; Ferreira, J.; Escoubas, L.
- 10. Carbon nanotube-based transparent thin film acoustic actuators and sensors**
Sensors and Actuators A: Physical, Volume 132, Issue 2, 1 November 2006, Pages 626-631
Yu, X.; Rajamani, R.; Stelson, K.A.; Cui, T.
[Cited by Scopus \(4\)](#)
- 11. Low cost thin film based piezoresistive MEMS tactile sensor**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 17-22
Wisitsoraat, A.; Patthanasetakul, V.; Lomas, T.; Tuantranont, A.
- 12. A novel polydimethylsiloxane microfluidic system including thermopneumatic-actuated micropump and Paraffin-actu**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 216-220
Yoo, J.C.; Choi, Y.J.; Kang, C.J.; Kim, Y.S.
- 13. SU-8 MEMS Fabry-Perot pressure sensor**
Sensors and Actuators A: Physical, Volume 138, Issue 1, 1 July 2007, Pages 52-62
Hill, G.C.; Melamud, R.; Declercq, F.E.; Davenport, A.A.; Chan, I.H.; Hartwell, P.G.; Pruitt, B.L.
- 14. Doped and dedoped polyaniline nanofiber based conductometric hydrogen gas sensors**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 53-57
Sadek, A.Z.; Wlodarski, W.; Kalantar-Zadeh, K.; Baker, C.; Kaner, R.B.
[Cited by Scopus \(2\)](#)
- 15. Synthesis and characterization of patterned and nonpatterned copper and nickel nanowire arrays on silicon substrate**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 272-280
Sharma, G.; Kripesh, V.; Sim, M.C.; Sow, C.H.
- 16. Olfactory and taste cell sensor and its applications in biomedicine**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 131-138
Wang, P.; Liu, Q.; Xu, Y.; Cai, H.; Li, Y.
- 17. Mechanical properties of ZnO nanowires**
Sensors and Actuators A: Physical, Volume 134, Issue 1, 1 February 2007, Pages 169-176
Desai, A.V.; Haque, M.A.
[Cited by Scopus \(4\)](#)
- 18. Fabrication of multilayer passive and active electric components on polymer using inkjet printing and low temperatur**
Sensors and Actuators A: Physical, Volume 134, Issue 1, 1 February 2007, Pages 161-168
Ko, S.H.; Chung, J.; Pan, H.; Grigoropoulos, C.P.; Poulikakos, D.
[Cited by Scopus \(4\)](#)
- 19. Wireless flexible capacitive sensor based on ultra-flexible epoxy resin for strain measurement of automobile tires**
Sensors and Actuators A: Physical, Volume 140, Issue 1, 1 October 2007, Pages 32-42
Matsuzaki, R.; Todoroki, A.
- 20. Functionalized nano interdigitated electrodes arrays on polymer with integrated microfluidics for direct bio-affinity se**
Sensors and Actuators A: Physical, Volume 136, Issue 2, 1 May 2007, Pages 518-526
Zou, Z.; Kai, J.; Rust, M.J.; Han, J.; Ahn, C.H.
[Cited by Scopus \(1\)](#)
- 21. Flapping wings with PVDF sensors to modify the aerodynamic forces of a micro aerial vehicle**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 95-103
Yang, L.J.; Hsu, C.K.; Ho, J.Y.; Feng, C.K.
- 22. Novel sensor-actuator device for early detection of fire**
Sensors and Actuators A: Physical, Volume 141, Issue 1, 1 January 2008, Pages 89-96
Zhuiykov, S.
- 23. A novel constant delivery thermopneumatic micropump using surface tensions**
Sensors and Actuators A: Physical, Volume 139, Issue 1-2, 1 September 2007, Pages 210-215
Jun, D.H.; Sim, W.Y.; Yang, S.S.
- 24. TiNi-based thin films in MEMS applications: a review**
Sensors and Actuators A: Physical, Volume 112, Issue 2-3, 1 May 2004, Pages 395-408
Fu, Y.; Du, H.; Huang, W.; Zhang, S.; Hu, M.
[Cited by Scopus \(72\)](#)
- 25. Applying autonomous sensor systems in logistics-Combining sensor networks, RFIDs and software agents**

Sensors and Actuators A: Physical, Volume 132, Issue 1, 1 November 2006, Pages 370-375

Jedermann, R.; Behrens, C.; Westphal, D.; Lang, W.

 Cited by Scopus (6)

Copyright © 2007 Elsevier B.V. All rights reserved. ScienceDirect® is a registered trademark of Elsevier B.V.
Terms & Conditions | Privacy Policy