Publications of Dimitrios Tsamakis

Journals

1. Anastassopoulos, A., Kyritsakis, A., Xanthakis, J.P., Sargentis, C., Tsamakis, D. *A 3-dimensional Wentzel-Krammers-Brillouin calculation of the charging and retention times of metal nanoparticles in a dielectric matrix* (**2013**) Thin Solid Films 543 PP. 177 - 179
2. Stamataki, M., Tsamakis, D., Xanthakis, J.P., Ali, H.A., Esmaili-Sardari, S., Iliadis, A.A. *Electrical characterization of Cr Schottky contacts on undoped and Ni-doped p-ZnO films grown by pulsed laser deposition on Si (1 0 0) substrates* **(2013)** Microelectronic Engineering 104 PP. 95 - 99
3. Stamataki, M., Fasaki, I., Tsonos, G., Tsamakis, D., Kompitsas, M. *Annealing effects on the structural, electrical and H2 sensing properties of transparent ZnO thin films, grown by pulsed laser deposition* (**2009**) Thin Solid Films 518 (4) PP. 1326 - 1331
4. Brilis, N.; Tsamakis, D.; Ali, H.; et al. *Electrical conduction effects at low temperatures in undoped ZnO thin films grown by Pulsed Laser Deposition on Si substrates* THIN SOLID FILMS Volume: 516 Issue: 12 Pages: 4226-4231 Published: APR 30 (**2008**)
5. Stamataki, M., Tsamakis, D., Brilis, N., Fasaki, I., Giannoudakos, A., Kompitsas, M. *Hydrogen gas sensors based on PLD grown NiO thin film structures* **(2008**) Physica Status Solidi (A) Applications and Materials Science 205 (8) PP. 2064 - 2068
6. C. Pandis, N. Brillis, E. Bourithis, D. Tsamakis, et al., *Low-temperature hydrogen sensors based on Au nanoclusters and Schottky contacts on ZnO films deposited by pulsed laser deposition on Si and SiO2 substrates,* IEEE Sensors Journal 7 (34): 448-454, Mar.-Apr. **2007**
7. N. Brllis, E. Bourithis, D. Tsamakis, et al., *Development of NiO-based thin film structures as efficient H-2 gas sensors operating at room temperatures,* Thin Solid Films, In Press, Corrected Proof, **2007**
8. C. Sargentis, K. Giannakopoulos, A. Travlos, D. Tsamakis, *Fabrication and electrical characterization of a MOS memory device containing self-assembled metallic nanoparticles,* Physica E-Low-Dimensional Systems & Nanostructures 38 (1-2): 85-88, Apr. **2007**
9. C. Sargentis, K. Giannakopoulos, A. Travlos, D. Tsamakis, *Electrical characterization of MOS memory devices containing metallic nanoparticles and a high-k control oxide layer,* Surface Science 601, (13), 2859-2863, July **2007**
10. C. Pandis, N. Brillis, D. Tsamakis, et al., *Role of low O-2 pressure and growth temperature on electrical transport of PLD grown ZnO thin films on Si substrates,* Solid-State Electronics 50 (6): 1119-1123, Jun. **2006**

11. C. Sargentis, K. Giannakopoulos, A. Travlos, N. Boukos, D. Tsamakis, *Simple methodfor the fabrication of a high dielectric constant metal-oxide- semiconductor capacitor embedded with Pt nanoparticles,* Applied Physics Letters 88 (7): Art. No. 073106, Feb. 13 **2006**
12. N. Brillis, P. Romesis, D. Tsamakis, M. Kompitsas, *Influence of pulsed laser deposition (PLD) parameters on the H-2 sensing properties of zinc oxide thin films,* Superlattices and Microstructures 38 (4-6): 283-290, Oct.-Dec. **2005**
13. Th. Xenidou, A. Boudouvis, D. Tsamakis, N. Markatos, *An experimentally assisted computational analysis of tin oxide deposition in a cold-wall APCVD reactor,* Journal of the Electrochemical Society 151 (12): C757-C764 **2004**
14. D. Tsamakis, C. Sargentis, A. Kuznetsov, D. Lampakis, *Electrical parameters in highly doped strained n-Si1-xGex epilayers grown on Si substrates,* Solid-State Electronics 48 (10-11): 2095-2098, Oct.-Nov. **2004**
15. D. Tsamakis, M. Vlachos, A. Travlos, N. Salamouras, *Electrical properties of crystalline Er andDy silicide layers,* Thin Solid Films 418 (2): 211-214, Oct. 15 **2002**
16. *A. Koutsogianni, D. Tsamakis,* Tin oxide APCVD thin films grown by SnCl4 oxidation on glass and Si substrates ina cold wall reactor, *Journal De Physique IV 11 (PR3): 377-383, Aug. **2001***