# Cornet A

List of Publications by Year
in descending order



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|---|---|---|---|
| 27 papers | 1,580 citations | 331670 21 h-index | 526287 27 g-index |
| 27 all docs | 27 docs citations | 27 times ranked | 2092 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Flexible gas sensor array with an embedded heater based on metal decorated carbon nanofibres. Sensors and Actuators B: Chemical, 2013, 187, 401-406. | 7.8 | 75 |
| 2 | Flexible sensor based on carbon nanofibers with multifunctional sensing features. Talanta, 2013, 107, 239-247. | 5.5 | 31 |
| 3 | Transport in quantum dot stacks using the transfer Hamiltonian method in self-consistent field regime. Europhysics Letters, 2012, 98, 17003. | 2.0 | 11 |
| 4 | Advanced Performances In Gas Sensors: Stretchable, Flexible, Wireless, Wearable. Procedia Engineering, 2011, 25, 1425-1428. | 1.2 | 6 |
| 5 | A model of the behavior of the limiting current oxygen sensors. Sensors and Actuators B: Chemical, 2009, 140, 432-438. | 7.8 | 26 |
| 6 | Development and application of micromachined Pd/SnO2 gas sensors with zeolite coatings. Sensors and Actuators B: Chemical, 2008, 133, 435-441. | 7.8 | 43 |
| 7 | Toward a Systematic Understanding of Photodetectors Based on Individual Metal Oxide Nanowires. Journal of Physical Chemistry C, 2008, 112, 14639-14644. | 3.1 | 130 |
| 8 | Ab initio insights into the visible luminescent properties of ZnO. Thin Solid Films, 2007, 515, 8670-8673. | 1.8 | 28 |
| 9 | The influence of additives on gas sensing and structural properties of In2O3-based ceramics. Sensors and Actuators B: Chemical, 2007, 120, 657-664. | 7.8 | 47 |
| 10 | Gas detection with SnO2 sensors modified by zeolite films. Sensors and Actuators B: Chemical, 2007, 124, 99-110. | 7.8 | 60 |
| 11 | Structural stability of indium oxide films deposited by spray pyrolysis during thermal annealing. Thin Solid Films, 2005, 479, 38-51. | 1.8 | 137 |
| 12 | Gas-sensing characteristics of one-electrode gas sensors based on doped In2O3 ceramics. Sensors and Actuators B: Chemical, 2004, 103, 13-22. | 7.8 | 60 |
| 13 | Use of zeolite films to improve the selectivity of reactive gas sensors. Catalysis Today, 2003, 82, 179-185. | 4.4 | 114 |
| 14 | Strategies to enhance the carbon monoxide sensitivity of tin oxide thin films. Sensors and Actuators B: Chemical, 2003, 95, 90-96. | 7.8 | 87 |
| 15 | Optimization of tin dioxide nanosticks faceting for the improvement of palladium nanocluster epitaxy. Applied Physics Letters, 2002, 80, 329-331. | 3.3 | 70 |
| 16 | Effects of Nb doping on the TiO2 anatase-to-rutile phase transition. Journal of Applied Physics, 2002, 92, 853-861. | 2.5 | 301 |
| 17 | Microdeposition of microwave obtained nanoscaled SnO2 powders for gas sensing microsystems. Sensors and Actuators B: Chemical, 2002, 84, 60-65. | 7.8 | 18 |
| 18 | Built-in active filter for an improved response to carbon monoxide combining thin- and thick-film technologies. Sensors and Actuators B: Chemical, 2002, 87, 88-94. | 7.8 | 26 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Surface activation by Pt-nanoclusters on titania for gas sensing applications. Materials Science and Engineering C, 2002, 19, 105-109. | 7.3 | 82 |
| 20 | Pulverisation method for active layer coating on microsystems. Sensors and Actuators B: Chemical, 2002, 84, 78-82. | 7.8 | 17 |
| 21 | Electroless Addition of Catalytic Pd to SnO2Nanopowders. Chemistry of Materials, 2001, 13, 4362-4366. | 6.7 | 37 |
| 22 | Deposition on micromachined silicon substrates of gas sensitive layers obtained by a wet chemical route: a CO/CH4 high performance sensor. Thin Solid Films, 2001, 391, 265-269. | 1.8 | 31 |
| 23 | In situ analysis of the conductance of SnO2 crystalline nanoparticles in the presence of oxidizing or reducing atmosphere by scanning tunneling microscopy. Sensors and Actuators B: Chemical, 2001, 78, 57-63. | 7.8 | 16 |
| 24 | Innovative method of pulverisation coating of prestabilized nanopowders for mass production of gas sensors. Sensors and Actuators B: Chemical, 2001, 78, 78-82. | 7.8 | 12 |
| 25 | COâ€“CH4 selectivity enhancement by in situ Pd-catalysed microwave SnO2 nanoparticles for gas detectors using active filter. Sensors and Actuators B: Chemical, 2001, 78, 151-160. | 7.8 | 50 |
| 26 | Properties of nanocrystalline SnO2 obtained by means of a microwave process. Materials Science and Engineering C, 2001, 15, 203-205. | 7.3 | 29 |
| 27 | New method to obtain stable small-sized SnO2 powders for gas sensors. Sensors and Actuators B: Chemical, 1999, 58, 360-364. | 7.8 | 36 |