

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	Effects of Nb doping on the TiO ₂ anatase-to-rutile phase transition. Journal of Applied Physics, 2002, 92, 853-861.	2.5	301
2	Structural stability of indium oxide films deposited by spray pyrolysis during thermal annealing. Thin Solid Films, 2005, 479, 38-51.	1.8	137
3	Toward a Systematic Understanding of Photodetectors Based on Individual Metal Oxide Nanowires. Journal of Physical Chemistry C, 2008, 112, 14639-14644.	3.1	130
4	Use of zeolite films to improve the selectivity of reactive gas sensors. Catalysis Today, 2003, 82, 179-185.	4.4	114
5	Strategies to enhance the carbon monoxide sensitivity of tin oxide thin films. Sensors and Actuators B: Chemical, 2003, 95, 90-96.	7.8	87
6	Surface activation by Pt-nanoclusters on titania for gas sensing applications. Materials Science and Engineering C, 2002, 19, 105-109.	7.3	82
7	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
8	Optimization of tin dioxide nanosticks faceting for the improvement of palladium nanocluster epitaxy. Applied Physics Letters, 2002, 80, 329-331.	3.3	70
9	Gas-sensing characteristics of one-electrode gas sensors based on doped In ₂ O ₃ ceramics. Sensors and Actuators B: Chemical, 2004, 103, 13-22.	7.8	60
10	Gas detection with SnO ₂ sensors modified by zeolite films. Sensors and Actuators B: Chemical, 2007, 124, 99-110.	7.8	60
11	CO/CH ₄ selectivity enhancement by in situ Pd-catalysed microwave SnO ₂ nanoparticles for gas detectors using active filter. Sensors and Actuators B: Chemical, 2001, 78, 151-160.	7.8	50
12	The influence of additives on gas sensing and structural properties of In ₂ O ₃ -based ceramics. Sensors and Actuators B: Chemical, 2007, 120, 657-664.	7.8	47
13	Development and application of micromachined Pd/SnO ₂ gas sensors with zeolite coatings. Sensors and Actuators B: Chemical, 2008, 133, 435-441.	7.8	43
14	Electroless Addition of Catalytic Pd to SnO ₂ Nanopowders. Chemistry of Materials, 2001, 13, 4362-4366.	6.7	37
15	New method to obtain stable small-sized SnO ₂ powders for gas sensors. Sensors and Actuators B: Chemical, 1999, 58, 360-364.	7.8	36
16	Deposition on micromachined silicon substrates of gas sensitive layers obtained by a wet chemical route: a CO/CH ₄ high performance sensor. Thin Solid Films, 2001, 391, 265-269.	1.8	31
17	Flexible sensor based on carbon nanofibers with multifunctional sensing features. Talanta, 2013, 107, 239-247.	5.5	31
18	Properties of nanocrystalline SnO ₂ obtained by means of a microwave process. Materials Science and Engineering C, 2001, 15, 203-205.	7.3	29

#	ARTICLE	IF	CITATIONS
19	Ab initio insights into the visible luminescent properties of ZnO. Thin Solid Films, 2007, 515, 8670-8673.	1.8	28
20	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
21	A model of the behavior of the limiting current oxygen sensors. Sensors and Actuators B: Chemical, 2009, 140, 432-438.	7.8	26
22	Microdeposition of microwave obtained nanoscaled SnO ₂ powders for gas sensing microsystems. Sensors and Actuators B: Chemical, 2002, 84, 60-65.	7.8	18
23	Pulverisation method for active layer coating on microsystems. Sensors and Actuators B: Chemical, 2002, 84, 78-82.	7.8	17
24	In situ analysis of the conductance of SnO ₂ 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
25	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
26	Transport in quantum dot stacks using the transfer Hamiltonian method in self-consistent field regime. Europhysics Letters, 2012, 98, 17003.	2.0	11
27	Advanced Performances In Gas Sensors: Stretchable, Flexible, Wireless, Wearable. Procedia Engineering, 2011, 25, 1425-1428.	1.2	6