Sadullah Ã–ztÃœrk

List of Publications by Year
in descending order

32 papers	1,067 citations	394286 19 h-index	434063 31 g-index
32 all docs	32 docs citations	32 times ranked	1653 citing authors

#	Article	IF	Citations
1	Electrochemically growth of Pd doped ZnO nanorods on QCM for room temperature VOC sensors. Sensors and Actuators B: Chemical, 2016, 222, 280-289.	4.0	96
2	Fabrication of ZnO nanorods for NO2 sensor applications: Effect of dimensions and electrode position. Journal of Alloys and Compounds, 2013, 581, 196-201.	2.8	88
3	Structure and electrical properties of Mgâ€doped ZnO nanoparticles. Crystal Research and Technology, 2010, 45, 529-538.	0.6	85
4	A comparative study on the NO2 gas sensing properties of ZnO thin films, nanowires and nanorods. Thin Solid Films, 2011, 520, 932-938.	0.8	84
5	Fabrication of 1D ZnO nanostructures on MEMS cantilever for VOC sensor application. Sensors and Actuators B: Chemical, 2014, 202, 357-364.	4.0	83
6	Structural, electrical transport and NO2 sensing properties of Y-doped ZnO thin films. Journal of Alloys and Compounds, 2012, 536, 138-144.	2.8	70
7	Pd thin films on flexible substrate for hydrogen sensor. Journal of Alloys and Compounds, 2016, 674, 179-184.	2.8	66
8	Electrical conduction and NO2 gas sensing properties of ZnO nanorods. Applied Surface Science, 2014, 303, 90-96.	3.1	54
9	Hydrogen sensing properties of ZnO nanorods: Effects of annealing, temperature and electrode structure. International Journal of Hydrogen Energy, 2014, 39, 5194-5201.	3.8	48
10	Simple fabrication of hexagonally well-ordered AAO template onÂsilicon substrate in two dimensions. Applied Physics A: Materials Science and Processing, 2009, 95, 781-787.	1.1	39
11	Fabrication of vertically aligned Pd nanowire array in AAO template by electrodeposition using neutral electrolyte. Nanoscale Research Letters, 2010, 5, 1137-1143.	3.1	38
12	Fabrication of ZnO nanowires and nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1062-1065.	1.3	35
13	Electrical and NO2 sensing properties of liquid crystalline phthalocyanine thin films. Sensors and Actuators B: Chemical, 2012, 173, 203-210.	4.0	33
14	Temperature dependence of a nanoporous Pd film hydrogen sensor based on an AAO template on Si. Applied Physics A: Materials Science and Processing, 2009, 97, 745-750.	1.1	30
15	Poly(3-Methylthiophene) Thin Films Deposited Electrochemically on QCMs for the Sensing of Volatile Organic Compounds. Sensors, 2016, 16, 423.	2.1	26
16	Investigation of the hydrogen gas sensing properties of nanoporous Pd alloy films based on AAO templates. Journal of Alloys and Compounds, 2011, 509, 4701-4706.	2.8	25
17	Performance enhancement of inverted type organic solar cells by using Eu doped TiO2 thin film. Surfaces and Interfaces, 2017, 9, 64-69.	1.5	23
18	Volatile Organic Compounds and Dimethyl Methyl Phosphonate (DMMP) Sensing Properties of the Metal Oxide Functionalized QCM Transducers at Room Temperature. Journal of the Electrochemical Society, 2017, 164, B657-B664.	1.3	22

#	Article	IF	Citations
19	Fabrication of Pdâ€“Fe nanowires with a high aspect ratio by AAO template-assisted electrodeposition. Journal of Alloys and Compounds, 2011, 509, 3894-3898.	2.8	20
20	Oxidizing gas sensing properties of mesogenic copper octakisalkylthiophthalocyanine chemoresistive sensors. Thin Solid Films, 2009, 517, 6206-6210.	0.8	18
21	Fabrication of ZnO nanowires at room temperature byÂcathodically induced solâ€“gel method. Applied Physics A: Materials Science and Processing, 2010, 99, 73-78.	1.1	15
22	High mobility and low operation voltage organic field effect transistors by using polymer-gel dielectric and molecular doping. Materials Science in Semiconductor Processing, 2017, 66, 207-211.	1.9	11
23	Performance improvement in photosensitive organic field effect transistor by using multi-layer structure. Thin Solid Films, 2019, 672, 90-99.	0.8	11
24	Structural and Optical Characterization of TiO₂Thin Films Prepared by Sol-Gel Process. Acta Physica Polonica A, 2012, 121, 265-267.	0.2	11
25	Effect of intrinsic polymer properties on the photo sensitive organic field-effect transistors (Photo-OFETs). Microelectronic Engineering, 2016, 161, 36-42.	1.1	10
26	Electrochemical Growth of Pd Doped ZnO Nanorods. Journal of the Electrochemical Society, 2015, 162, D142-D146.	1.3	8
27	The Effects of Annealing on Gas Sensing Properties of ZnO Nanorod Sensors Coated with Pd and Pt. Procedia Engineering, 2012, 47, 434-437.	1.2	6
28	Effects of copper fillers on mechanical and electrical properties of selective laser sintered PA 12-Cu composites. Materials Technology, 2022, 37, 1541-1553.	1.5	5
29	Room-temperature Sensing of Volatile Organic Compounds Using Graphene. Sensors and Materials, 2019, 31, 1365.	0.3	3
30	The NO₂Sensing Properties of the Sensors Done with Nano-Tetrapods. Acta Physica Polonica A, 2016, 129, 797-799.	0.2	2
31	Cobaltâ€“titanium multilayer thin films: Effect of thickness of titanium spacer layer on impedance properties. Materials Science in Semiconductor Processing, 2015, 30, 482-485.	1.9	1
32	P2.4.1 Effect of ZnO nanorods density on NO2 sensing. , 2012, , .		1