Necmettin Kilinc

List of Publications by Citations

45 papers	1,426 citations	23 h-index	37 g-index
53 ext. papers	1,591 ext. citations	4.4 avg, IF	4.65 L-index

#	Paper	IF	Citations
45	Synthesis of highly-ordered TiO2 nanotubes for a hydrogen sensor. *International Journal of Hydrogen Energy*, **2010**, 35, 4420-4427	6.7	191
44	Fabrication of ZnO nanorods for NO2 sensor applications: Effect of dimensions and electrode position. *Journal of Alloys and Compounds*, **2013**, 581, 196-201	5.7	78
43	Electrochemically growth of Pd doped ZnO nanorods on QCM for room temperature VOC sensors. *Sensors and Actuators B: Chemical*, **2016**, 222, 280-289	8.5	76
42	A comparative study on the NO2 gas sensing properties of ZnO thin films, nanowires and nanorods. *Thin Solid Films*, **2011**, 520, 932-938	2.2	73
41	Fabrication of 1D ZnO nanostructures on MEMS cantilever for VOC sensor application. *Sensors and Actuators B: Chemical*, **2014**, 202, 357-364	8.5	69
40	Structure and electrical properties of Mg-doped ZnO nanoparticles. *Crystal Research and Technology*, **2010**, 45, 529-538	1.3	66
39	Structural, electrical transport and NO2 sensing properties of Y-doped ZnO thin films. *Journal of Alloys and Compounds*, **2012**, 536, 138-144	5.7	64
38	Electrical and VOC sensing properties of anatase and rutile TiO2 nanotubes. *Journal of Alloys and Compounds*, **2014**, 616, 89-96	5.7	52
37	Fabrication of TiO2 nanotubes by anodization of Ti thin films for VOC sensing. *Thin Solid Films*, **2011**, 520, 953-958	2.2	48
36	Pd thin films on flexible substrate for hydrogen sensor. *Journal of Alloys and Compounds*, **2016**, 674, 179-184	3.4	46
35	Recent studies chemical sensors based on phthalocyanines. *Journal of Porphyrins and Phthalocyanines*, **2009**, 13, 1179-1187	1.8	45
34	Hydrogen sensing properties of ZnO nanorods: Effects of annealing, temperature and electrode structure. *International Journal of Hydrogen Energy*, **2014**, 39, 5194-5201	6.7	42
33	Electrical conduction and NO2 gas sensing properties of ZnO nanorods. *Applied Surface Science*, **2014**, 303, 90-96	6.7	40
32	Optical sensor for hydrogen gas based on a palladium-coated polymer microresonator. *Sensors and Actuators B: Chemical*, **2015**, 212, 78-83	8.5	37
31	A cartridge based sensor array platform for multiple coagulation measurements from plasma. *Lab on A Chip*, **2015**, 15, 113-20	7.2	36
30	Fabrication of vertically aligned Pd nanowire array in AAO template by electrodeposition using neutral electrolyte. *Nanoscale Research Letters*, **2010**, 5, 1137-43	5	34
29	Gas Sensor Application of Hydrothermally Growth TiO 2 Nanorods. *Procedia Engineering*, **2015**, 120, 1162-1165	33	

28	Fabrication of ZnO nanowires and nanorods. *Physica E: Low-Dimensional Systems and Nanostructures*, **2012**, 44, 1062-1065	3	33
27	Precision density and viscosity measurement using two cantilevers with different widths. *Sensors and Actuators A: Physical*, **2015**, 232, 141-147	3.9	32
26	Simple fabrication of hexagonally well-ordered AAO template on silicon substrate in two dimensions. *Applied Physics A: Materials Science and Processing*, **2009**, 95, 781-787	2.6	32
25	Electrical and NO2 sensing properties of liquid crystalline phthalocyanine thin films. *Sensors and Actuators B: Chemical*, **2012**, 173, 203-210	8.5	27
24	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	2.6	24
23	Synthesis, characterization, mesomorphic and electrical properties of tetrakis(alkylthio)-substituted lutetium(III) bisphthalocyanines. *Synthetic Metals*, **2009**, 159, 13-21	3.6	24
22	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	5.7	23
21	Fabrication and gas sensing properties of C-doped and un-doped TiO2 nanotubes. *Ceramics International*, **2014**, 40, 109-115	5.1	21
20	Fabrication of Pd□e nanowires with a high aspect ratio by AAO template-assisted electrodeposition. *Journal of Alloys and Compounds*, **2011**, 509, 3894-3898	5.7	18
19	Tetrakis(alkylthio)-substituted lutetium bisphthalocyanines for sensing NO2 and O3. *Sensors and Actuators B: Chemical*, **2009**, 142, 73-81	8.5	17
18	Poly(3-Methylthiophene) Thin Films Deposited Electrochemically on QCMs for the Sensing of Volatile Organic Compounds. *Sensors*, **2016**, 16,	3.8	17
17	Oxidizing gas sensing properties of mesogenic copper octakisalkylthiophthalocyanine chemoresistive sensors. *Thin Solid Films*, **2009**, 517, 6206-6210	2.2	16
16	Sputtered platinum thin films for resistive hydrogen sensor application. *Materials Letters*, **2016**, 177, 104-107	3.3	16
15	Volatile organic compounds sensing properties of tetrakis(alkylthio)-substituted lutetium(III) bisphthalocyanines thin films. *Talanta*, **2009**, 80, 263-8	6.2	15
14	Structural, electrical and H2 sensing properties of copper oxide nanowires on glass substrate by anodization. *Sensors and Actuators B: Chemical*, **2016**, 236, 1118-1125	8.5	14
13	Temperature-dependent H2 gas-sensing properties of fabricated Pd nanowires using highly oriented pyrolytic graphite. *Journal of Applied Physics*, **2010**, 108, 054317	2.5	14
12	Fabrication of ZnO nanowires at room temperature by cathodically induced sol□el method. *Applied Physics A: Materials Science and Processing*, **2010**, 99, 73-78	2.6	14
11	Resistive Hydrogen Sensors Based on Nanostructured Metals and Metal Alloys. *Nanoscience and Nanotechnology Letters*, **2013**, 5, 825-841	0.8	7

10	Electrochemical Growth of Pd Doped ZnO Nanorods. *Journal of the Electrochemical Society*, **2015**, 162, D142-D146	3.9	6
9	The Effects of Annealing on Gas Sensing Properties of ZnO Nanorod Sensors Coated with Pd and Pt. *Procedia Engineering*, **2012**, 47, 434-437		5
8	**2013**,		4
7	LoC sensor array platform for real-time coagulation measurements **2014**,		3
6	Adsorption of Phthalocyanines on Stoichiometric and Reduced Rutile TiO2 (110). *ECS Journal of Solid State Science and Technology*, **2020**, 9, 061021	2	3
5	Palladium and platinum thin films for low-concentration resistive hydrogen sensor: a comparative study. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 5567-5578	2.1	3
4	Electrical Properties of Mesomorphic Phthalocyanine-Carbon Nanotube Composites. *Sensor Letters*, **2008**, 6, 607-612	0.9	2
3	Electrical and NO2 Sensing Properties of a Series of Liquid Crystalline Porphyrins. *ECS Journal of Solid State Science and Technology*, **2020**, 9, 061027	2	2
2	Platinum-Nickel alloy thin films for low concentration hydrogen sensor application. *Journal of Alloys and Compounds*, **2022**, 892, 162237	5.7	2
1	Hybrid liquid crystalline zinc phthalocyanine@Cu2O nanowires for NO2 sensor application. *Sensors and Actuators B: Chemical*, **2021**, 345, 130431	8.5	0