

Mohd Zainizan Sahdan

List of Publications by Year in descending order

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58
papers

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1040018

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all docs

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docs citations

58
times ranked

1318
citing authors

#	ARTICLE	IF	CITATIONS
1	Defect chemistry and defect engineering of TiO ₂ -based semiconductors for solar energy conversion. <i>Chemical Society Reviews</i> , 2015, 44, 8424-8442.	38.1	276
2	Zinc oxide films prepared by sol-gel spin coating technique. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 263-268.	2.3	121
3	Influence of various sol concentrations on stress/strain and properties of ZnO thin films synthesised by sol-gel technique. <i>Thin Solid Films</i> , 2013, 527, 102-109.	1.8	64
4	Al and Ga doped ZnO films prepared by a sol-gel spin coating technique. <i>Ceramics International</i> , 2015, 41, S254-S258.	4.8	43
5	Towards high performance perovskite solar cells: A review of morphological control and HTM development. <i>Applied Materials Today</i> , 2018, 13, 69-82.	4.3	43
6	Gold Nanoplates for a Localized Surface Plasmon Resonance-Based Boric Acid Sensor. <i>Sensors</i> , 2017, 17, 947.	3.8	30
7	Difference in structural and chemical properties of sol-gel spin coated Al doped TiO ₂ , Y doped TiO ₂ and Gd doped TiO ₂ based on trivalent dopants. <i>RSC Advances</i> , 2018, 8, 29686-29697.	3.6	28
8	ZnO Microstructures and Nanostructures Prepared by Sol-Gel Hydrothermal Technique. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5618-5622.	0.9	12
9	Zinc oxide microrods prepared by sol-gel immerse technique. <i>Microelectronics International</i> , 2010, 27, 166-169.	0.6	11
10	Zinc Oxide Nanorods Characteristics Prepared by Sol-Gel Immersion Method Immersed at Different Times. <i>Advanced Materials Research</i> , 2013, 667, 375-379.	0.3	10
11	The Effect of Stabiliser's Molarity to the Growth of ZnO Nanorods. <i>Defect and Diffusion Forum</i> , 0, 312-315, 99-103.	0.4	6
12	Influence of outlet channel width to the flow velocity and pressure of a flow focusing microfluidic device. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 160, 012086.	0.6	5
13	Surface Tension Analysis of Cost-Effective Paraffin Wax and Water Flow Simulation for Microfluidic Device. <i>Advanced Materials Research</i> , 0, 832, 773-777.	0.3	4
14	Transmission of Microwave Signal through Metal-Oxide Thin Film of Energy Saving Glass Using Different Shape of Frequency Selective Structure. <i>Advanced Materials Research</i> , 0, 925, 630-634.	0.3	4
15	Influence of Post-Annealing Temperature on the Material Properties of Zinc Oxide Nanorods. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 6419-6423.	0.9	3
16	Effect of precursor concentration on the structural and optical properties of ZnO nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2010, 207, 1596-1599.	1.8	3
17	Aligned Growth of Zinc Oxide Nanorods on Catalyst-Seeded Si Substrate by Aqueous-Solution Immersion Method. <i>Defect and Diffusion Forum</i> , 2011, 312-315, 104-109.	0.4	3
18	Factors Affecting the Properties of Zinc Oxide Thin Films Prepared by Dip-Coating Method: A Review. <i>Advanced Materials Research</i> , 0, 667, 193-199.	0.3	3

#	ARTICLE	IF	CITATIONS
19	Green and Economic Transparent Conductive Graphene Electrode for Organic Solar Cell: A Short Review. <i>Advanced Materials Research</i> , 0, 832, 316-321.	0.3	3
20	Investigation on the Structural Changes of Cupric Oxide (CuO) Nanostructures by Thermal Oxidation Process. <i>Advanced Materials Research</i> , 2013, 832, 471-477.	0.3	3
21	Surface study of stainless steel electrode deposition from soil electrokinetic (EK) treatment using X-ray photoelectron spectroscopy (XPS). <i>AIP Conference Proceedings</i> , 2015, , .	0.4	3
22	Morphology, topography and thickness of copper oxide thin films deposited using magnetron sputtering technique. , 2013, , .		2
23	Surface Morphology and Optical Properties of ZnO Films Synthesis Using Different Solvent. <i>Advanced Materials Research</i> , 0, 832, 478-482.	0.3	2
24	Development of atmospheric pressure plasma needle jet for sterilization applications. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	2
25	Groundwater Exploration in Granitic Rock Formation Using Electrical Resistivity and Induced Polarization Techniques. <i>Journal of Physics: Conference Series</i> , 2018, 1049, 012076.	0.4	2
26	Plasma diagnostic by optical emission spectroscopy on reactive magnetron sputtering plasma â€™A Brief Introduction. <i>Journal of Physics: Conference Series</i> , 2018, 1027, 012005.	0.4	2
27	A hardware based approach in designing infrared traffic light system. , 2008, , .		1
28	Effect of Immerse Duration on the Structural and Optical Properties of Zinc Oxide Nanorod. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2010, 40, 333-336.	0.6	1
29	Microfabrication of ZnO structures using sol-gel immerse technique. , 2010, , .		1
30	Influence of immerse time on the properties of zinc oxide nanostructures. , 2010, , .		1
31	Sol-Gel Fabrications of ZnO Thin Films and Microstructures. , 2011, , .		1
32	Nanostructured Zinc Oxide Thin Film Based Humidity Sensor Prepared by Sol-Gel Immersion Technique. <i>Advanced Materials Research</i> , 2013, 667, 553-557.	0.3	1
33	Optimization of Transmission Lost for Energy Saving Glass with Different Sheet Resistance Values. <i>Advanced Materials Research</i> , 0, 832, 233-236.	0.3	1
34	Influences of Preheating Temperature on the Structural and Optical Properties of ZnO Thin Films by So-Gel Spin Coating Technique. <i>Advanced Materials Research</i> , 0, 925, 401-405.	0.3	1
35	Synthesis and Characterization of Zinc Oxide Nanostructures by Different Sonication Period. <i>Advanced Materials Research</i> , 0, 925, 110-114.	0.3	1
36	Effect of Substrate Bias in Copper Sputtering Plasma Measured by Langmuir Probe. <i>Advanced Materials Research</i> , 0, 925, 238-242.	0.3	1

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37	Effects of Ageing Time of ZnO Sol on Properties of ZnO Films by Sol Gel Spin Coating. Advanced Materials Research, 0, 925, 329-333.	0.3	1
38	Numerical Simulation of Water Flow Velocity for Microfluidic Application Using COMSOL Multiphysics. Advanced Materials Research, 0, 925, 651-655.	0.3	1
39	Electrical and optical characteristics of atmospheric pressure plasma needle jet driven by neon transformer. AIP Conference Proceedings, 2017, , .	0.4	1
40	Effect of working power and pressure on plasma properties during the deposition of TiN films in reactive magnetron sputtering plasma measured using Langmuir probe measurement. Journal of Physics: Conference Series, 2018, 995, 012068.	0.4	1
41	INFLUENCES OF DEPOSITION TIME ON TiO ₂ THIN FILMS PROPERTIES PREPARED BY CVD TECHNIQUE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.4	1
42	Low-cost Circuit for Implementing Smooth Power Supply Transition. , 2007, , .		0
43	Development and application of in-house high voltage power supply for atmospheric pressure plasma treatment system. , 2012, , .		0
44	Electron and Ion Densities Measurement in Reactive Magnetron Zinc Sputtering Plasma. Advanced Materials Research, 0, 832, 344-349.	0.3	0
45	Structural, Optical and Electrical Characteristics of Polycrystalline ZnO Thin Film Prepared by Sol-Gel Spin-Coating Method. Advanced Materials Research, 2013, 667, 24-29.	0.3	0
46	Physical properties of tin oxide thin films deposited using magnetron sputtering technique. , 2013, , .		0
47	Structural characterization of zinc oxide thin films deposited at various O ₂ /Ar flow ratio in magnetron sputtering plasma. , 2013, , .		0
48	Formation of ZnO Nanoparticulate Thin Film: Sol-Gel Synthesis and Characterisation. Advanced Materials Research, 2013, 832, 362-367.	0.3	0
49	Growth of Zinc Oxide Rods in Different Heating Medium. Advanced Materials Research, 0, 667, 490-494.	0.3	0
50	Growth and Characterisation of Nanocrystalline ZnO Thin Films by Dip Coating Technique. Advanced Materials Research, 2013, 832, 368-373.	0.3	0
51	Influence of Dissipation Power in Copper Sputtering Plasma Measured by Optical Emission Spectroscopy. Advanced Materials Research, 2013, 832, 243-247.	0.3	0
52	Structural and Conductivity Changes of Aluminum-Doped Zinc Oxide Films by Spin Coating Technique. Advanced Materials Research, 2013, 832, 838-842.	0.3	0
53	Diode Characteristics of Zinc Oxide Thin Film at Different Deposition Time for FET Applications. Advanced Materials Research, 0, 667, 393-396.	0.3	0
54	Surface Morphology and Electrical Properties of Al:ZnO Films Deposited by Spin Coating Process. Advanced Materials Research, 0, 925, 416-419.	0.3	0

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55	Numerical estimation of self-sputtering effect in ionized physical vapor deposition system. , 2014, , .		0
56	Correlation between the microstructure of copper oxide thin film and its gas sensing response. , 2014, , .		0
57	Comparative study between chemical and atmospheric pressure plasma jet cleaning on glass substrate. AIP Conference Proceedings, 2017, , .	0.4	0
58	Nitrogen emission in reactive magnetron sputtering plasmas during the deposition of titanium nitride thin film. AIP Conference Proceedings, 2017, , .	0.4	0