Mohd Zainizan Sahdan

List of Publications by Year
in descending order

58	703	1170033 9	759306 22
papers	citations	h-index	g-index

58	58	58	1505
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Groundwater Exploration in Granitic Rock Formation Using Electrical Resistivity and Induced Polarization Techniques. Journal of Physics: Conference Series, 2018, 1049, 012076.	0.3	2
2	Plasma diagnostic by optical emission spectroscopy on reactive magnetron sputtering plasma â€“A Brief Introduction. Journal of Physics: Conference Series, 2018, 1027, 012005.	0.3	2
3	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.	0.3	1
4	Difference in structural and chemical properties of solâ€“gel spin coated Al doped TiO₂, Y doped TiO₂ and Gd doped TiO₂ based on trivalent dopants. RSC Advances, 2018, 8, 29686-29697.	1.7	28
5	Towards high performance perovskite solar cells: A review of morphological control and HTM development. Applied Materials Today, 2018, 13, 69-82.	2.3	43
6	Comparative study between chemical and atmospheric pressure plasma jet cleaning on glass substrate. AIP Conference Proceedings, 2017, , .	0.3	0
7	Electrical and optical characteristics of atmospheric pressure plasma needle jet driven by neon trasformer. AIP Conference Proceedings, 2017, , .	0.3	1
8	Development of atmospheric pressure plasma needle jet for sterilization applications. AIP Conference Proceedings, 2017, , .	0.3	2
9	Nitrogen emission in reactive magnetron sputtering plasmas during the deposition of titanium nitride thin film. AIP Conference Proceedings, 2017, , .	0.3	0
10	Gold Nanoplates for a Localized Surface Plasmon Resonance-Based Boric Acid Sensor. Sensors, 2017, 17, 947.	2.1	30
11	Influence of outlet channel width to the flow velocity and pressure of a flow focusing microfluidic device. IOP Conference Series: Materials Science and Engineering, 2016, 160, 012086.	0.3	5
12	INFLUENCES OF DEPOSITION TIME ON TIO2 THIN FILMS PROPERTIES PREPARED BY CVD TECHNIQUE. Jurnal Teknologi (Sciences and Engineering), 2016, 78, .	0.3	1
13	Surface study of stainless steel electrode deposition from soil electrokinetic (EK) treatment using X-ray photoelectron spectroscopy (XPS). AIP Conference Proceedings, 2015, , .	0.3	3
14	Al and Ga doped ZnO films prepared by a solâ€“gel spin coating technique. Ceramics International, 2015, 41, S254-S258.	2.3	43
15	Defect chemistry and defect engineering of TiO₂-based semiconductors for solar energy conversion. Chemical Society Reviews, 2015, 44, 8424-8442.	18.7	276
16	Numerical estimation of self-sputtering effect in ionized physical vapor deposition system. , 2014, , .		0
17	Correlation between the microstructure of copper oxide thin film and its gas sensing response. , 2014, , .		0
18	Morphology, topography and thickness of copper oxide thin films deposited using magnetron sputtering technique. , 2013, , .		2

#	Article	IF	Citations
19	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
20	Physical properties of tin oxide thin films deposited using magnetron sputtering technique. , 2013, , .		0
21	Structural characterization of zinc oxide thin films deposited at various O<inf>2</inf>/Ar flow ratio in magnetron sputtering plasma. , 2013, , .		0
22	Influence of various sol concentrations on stress/strain and properties of ZnO thin films synthesised by solâ€“gel technique. Thin Solid Films, 2013, 527, 102-109.	0.8	64
23	Formation of ZnO Nanoparticulate Thin Film: Sol-Gel Synthesis and Characterisation. Advanced Materials Research, 2013, 832, 362-367.	0.3	0
24	Growth and Characterisation of Nanocrystalline ZnO Thin Films by Dip Coating Technique. Advanced Materials Research, 2013, 832, 368-373.	0.3	0
25	Influence of Dissipation Power in Copper Sputtering Plasma Measured by Optical Emission Spectroscopy. Advanced Materials Research, 2013, 832, 243-247.	0.3	0
26	Nanostructured Zinc Oxide Thin Film Based Humidity Sensor Prepared by Sol-Gel Immersion Technique. Advanced Materials Research, 2013, 667, 553-557.	0.3	1
27	Structural and Conductivity Changes of Aluminum-Doped Zinc Oxide Films by Spin Coating Technique. Advanced Materials Research, 2013, 832, 838-842.	0.3	0
28	Investigation on the Structural Changes of Cupric Oxide (CuO) Nanostructures by Thermal Oxidation Process. Advanced Materials Research, 2013, 832, 471-477.	0.3	3
29	Zinc Oxide Nanorods Characteristics Prepared by Sol-Gel Immersion Method Immersed at Different Times. Advanced Materials Research, 2013, 667, 375-379.	0.3	10
30	Development and application of in-house high voltage power supply for atmospheric pressure plasma treatment system. , 2012, , .		0
31	Zinc oxide films prepared by solâ€“gel spin coating technique. Applied Physics A: Materials Science and Processing, 2011, 104, 263-268.	1.1	121
32	Sol-Gel Fabrications of ZnO Thin Films and Microstructures. , 2011, , .		1
33	Aligned Growth of Zinc Oxide Nanorods on Catalyst-Seeded Si Substrate by Aqueous-Solution Immersion Method. Defect and Diffusion Forum, 2011, 312-315, 104-109.	0.4	3
34	Influence of Post-Annealing Temperature on the Material Properties of Zinc Oxide Nanorods. Journal of Nanoscience and Nanotechnology, 2010, 10, 6419-6423.	0.9	3
35	Zinc oxide microrods prepared by solâ€gel immerse technique. Microelectronics International, 2010, 27, 166-169.	0.4	11
36	Effect of precursor concentration on the structural and optical properties of ZnO nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 1596-1599.	0.8	3

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37	Effect of Immerse Duration on the Structural and Optical Properties of Zinc Oxide Nanorod. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2010, 40, 333-336.	0.6	1
38	ZnO Microstructures and Nanostructures Prepared by Solâ€“Gel Hydrothermal Technique. Journal of Nanoscience and Nanotechnology, 2010, 10, 5618-5622.	0.9	12
39	Microfabrication of ZnO structures using sol-gel immerse technique. , 2010, , .		1
40	Influence of immerse time on the properties of zinc oxide nanostructures. , 2010, , .		1
41	A hardware based approach in designing infrared traffic light system. , 2008, , .		1
42	Low-cost Circuit for Implementing Smooth Power Supply Transition. , 2007, , .		0
43	The Effect of Stabiliserâ€™s Molarity to the Growth of ZnO Nanorods. Defect and Diffusion Forum, 0, 312-315, 99-103.	0.4	6
44	Electron and Ion Densities Measurement in Reactive Magnetron Zinc Sputtering Plasma. Advanced Materials Research, 0, 832, 344-349.	0.3	0
45	Factors Affecting the Properties of Zinc Oxide Thin Films Prepared by Dip-Coating Method: A Review. Advanced Materials Research, 0, 667, 193-199.	0.3	3
46	Growth of Zinc Oxide Rods in Different Heating Medium. Advanced Materials Research, 0, 667, 490-494.	0.3	0
47	Green and Economic Transparent Conductive Graphene Electrode for Organic Solar Cell: A Short Review. Advanced Materials Research, 0, 832, 316-321.	0.3	3
48	Optimization of Transmission Lost for Energy Saving Glass with Different Sheet Resistance Values. Advanced Materials Research, 0, 832, 233-236.	0.3	1
49	Surface Morphology and Optical Properties of ZnO Films Synthesis Using Different Solvent. Advanced Materials Research, 0, 832, 478-482.	0.3	2
50	Surface Tension Analysis of Cost-Effective Paraffin Wax and Water Flow Simulation for Microfluidic Device. Advanced Materials Research, 0, 832, 773-777.	0.3	4
51	Diode Characteristics of Zinc Oxide Thin Film at Different Deposition Time for FET Applications. Advanced Materials Research, 0, 667, 393-396.	0.3	0
52	Influences of Preheating Temperature on the Structural and Optical Properties of ZnO Thin Films by So-Gel Spin Coating Technique. Advanced Materials Research, 0, 925, 401-405.	0.3	1
53	Surface Morphology and Electrical Properties of Al:ZnO Films Deposited by Spin Coating Process. Advanced Materials Research, 0, 925, 416-419.	0.3	0
54	Transmission of Microwave Signal through Metal-Oxide Thin Film of Energy Saving Glass Using Different Shape of Frequency Selective Structure. Advanced Materials Research, 0, 925, 630-634.	0.3	4

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55	Synthesis and Characterization of Zinc Oxide Nanostructures by Different Sonication Period. Advanced Materials Research, 0, 925, 110-114.	0.3	1
56	Effect of Substrate Bias in Copper Sputtering Plasma Measured by Langmuir Probe. Advanced Materials Research, 0, 925, 238-242.	0.3	1
57	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
58	Numerical Simulation of Water Flow Velocity for Microfluidic Application Using COMSOL Multiphysics. Advanced Materials Research, 0, 925, 651-655.	0.3	1