

# Hartini Ahmad Rafaie

## List of Publications by Year in descending order

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43  
papers

428  
citations

1040056

9  
h-index

794594

19  
g-index

44  
all docs

44  
docs citations

44  
times ranked

555  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tapered plastic optical fiber coated with ZnO nanostructures for the measurement of uric acid concentrations and changes in relative humidity. <i>Sensors and Actuators A: Physical</i> , 2014, 210, 190-196.	4.1	54
2	Optical Fiber Relative Humidity Sensor Based on Inline Mach-Zehnder Interferometer With ZnO Nanowires Coating. <i>IEEE Sensors Journal</i> , 2016, 16, 312-316.	4.7	54
3	Decoration of ZnO microstructures with Ag nanoparticles enhanced the catalytic photodegradation of methylene blue dye. <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 3963-3972.	6.7	53
4	Enhanced photocatalytic activity of ZnO nanoparticles grown on porous silica microparticles. <i>Applied Nanoscience (Switzerland)</i> , 2017, 7, 885-892.	3.1	41
5	Tapered Plastic Optical Fiber Coated With Al-Doped ZnO Nanostructures for Detecting Relative Humidity. <i>IEEE Sensors Journal</i> , 2015, 15, 845-849.	4.7	38
6	Comparative study on photocatalytic activity of transition metals (Ag and Ni)-doped ZnO nanomaterials synthesized via sol-gel method. <i>Royal Society Open Science</i> , 2020, 7, 191590.	2.4	37
7	Optical and electrical properties of aluminum doped zinc oxide thin films at various doping concentrations. <i>Journal of the Ceramic Society of Japan</i> , 2009, 117, 1263-1267.	1.1	31
8	Effect of pH on the growth of zinc oxide nanorods using <i>Citrus aurantifolia</i> extracts. <i>Materials Letters</i> , 2014, 137, 297-299.	2.6	24
9	Growth Pattern of Zinc Oxide Nanorods on Gold Coated Silicon Surfaces. , 2009, , .		19
10	Magnesium doped ZnO nanostructures synthesis using <i>Citrus aurantifolia</i> extracts: Structural and field electron emission properties. <i>Materials Express</i> , 2015, 5, 226-232.	0.5	13
11	Synthesis, characterization and photocatalytic activities of Al-doped ZnO for degradation of methyl orange dye under UV light irradiation. <i>Journal of the Australian Ceramic Society</i> , 2021, 57, 479-488.	1.9	11
12	Inline Mach-Zehnder interferometer with ZnO nanowires coating for the measurement of uric acid concentrations. <i>Sensors and Actuators A: Physical</i> , 2015, 234, 206-211.	4.1	9
13	Al Doped ZnO Thin Film Based Ultraviolet Photo-Conductive Sensor Prepared by Sol-Gel Spin-Coating Method. , 2009, , .		6
14	The effect of annealing temperatures on zinc oxide thin films properties for electronic devices application. , 2008, , .		5
15	A Surface Morphology Study On The Effect Of Annealing Temperature To Nanostructured ZnO And Its Reaction Mechanism In Solution Method. , 2009, , .		5
16	Synthesis of ZnO nanorods on porous silicon substrate using sol-gel method. <i>Materials Research Innovations</i> , 2009, 13, 189-191.	2.3	3
17	Enhanced Photocatalytic Performance of Silver Decorated Zinc Oxide Nanoparticles Grown on Silica Microparticles. <i>Silicon</i> , 2019, 11, 2845-2852.	3.3	3
18	Influence of Annealing Temperature on the Photo-Electrical and Structural Disorder Characteristics of Nano-Structured Zinc Oxide Thin Films. , 2009, , .		2

#	ARTICLE	IF	CITATIONS
19	Synthesis of ZnO Nanowires on ZnO Microsheets Grown on Gold Catalyst. , 2009, , .		2
20	Surface morphology study on effect of deposition temperature on nanostructured zinc oxide by chemical vapour deposition method. Materials Research Innovations, 2009, 13, 196-198.	2.3	2
21	Nucleation and growth of chrysanthemum-like zinc oxide crystals using silicon dioxide. Materials Research Innovations, 2009, 13, 139-141.	2.3	2
22	Optimization of Current Density during the Preparation of Silicon Quantum Dots Nanoparticles by Electro-Chemical Deposition. , 2009, , .		2
23	SEM and XRD Characterization of ZnO Nanostructured Thin Films Prepared by Sol-Gel Method with Various Annealing Temperatures. , 2010, , .		2
24	Effect of Annealing Temperature on the Surface Morphology and Electrical Properties of Aluminum Doped Zinc Oxide Thin Films Prepared by Sol-Gel Spin-Coating Method. AIP Conference Proceedings, 2008, , .	0.4	1
25	Effect of pH value on physical and optical properties of zinc oxide nanostructures. Materials Research Innovations, 2009, 13, 176-178.	2.3	1
26	Effect of Immersion Reaction Condition on the Morphology and Optical Properties of ZnO Nanorods Grown on Porous Silicon Substrates. , 2009, , .		1
27	Properties of Nanostructured Zinc Oxide by Hydro-Thermal Aqueous Chemical Growth Method. , 2009, , .		1
28	Preparation and characterisation of one-dimensional zinc oxide structure. Materials Research Innovations, 2009, 13, 153-156.	2.3	1
29	Synthesis and structural properties of zinc oxide flower-like nanostructures by thermal chemical vapour deposition method. Materials Research Innovations, 2009, 13, 207-210.	2.3	1
30	Effect of Etching Time on Electrical and Optical Properties of Porous Silicon. Advanced Materials Research, 0, 667, 397-401.	0.3	1
31	Erbium Plating on Nanostructured Silicon Using Immersion Technique. AIP Conference Proceedings, 2008, , .	0.4	0
32	Study the Effect of Annealing Temperature on Optical and Structural Properties of Zinc Oxide Thin Film Prepared by Thermal Chemical Vapor Deposition. , 2009, , .		0
33	Surface Morphology Study and Electrical Properties of Zinc Oxide Thin Films Deposited at Various Deposition Temperatures Using TCVD. , 2009, , .		0
34	Photoluminescence Study on the Preparation of Silicon Quantum Dots Nanoparticles. , 2009, , .		0
35	The Effect of Current Density on Nanostructured Porous Silicon. , 2009, , .		0
36	Electrical and Photoluminescence Properties of Intrinsic Zinc Oxide Thin Films Prepared at Different Molar Concentrations. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	New Approach of ZnO Nanowires Grown on ZnO Microball using Gas Blocker in Catalytic Thermal Chemical Vapor Deposition. , 2009, , .		0
38	The Influence of Ar Gas Flow on the Luminescence Properties of ZnO Nanowires. , 2009, , .		0
39	The Effect of Deposition Temperature on the Growth of ZnO Nanorods on Porous Silicon using Sol-gel Immersion Method. , 2009, , .		0
40	Preparation and Characterization of Multi-Walled Carbon Nanotubes Grown on Porous Silicon Substrate by Thermal-CVD. , 2009, , .		0
41	Surface Morphology of Zinc Oxide Thin Films deposited by TCVD. , 2010, , .		0
42	Optimization of Electrodes Distance During Preparation of Nanostructured Silicon. , 2011, , .		0
43	Synthesis of ZnO Microstructure Decorated with Ag Nanoparticles at Different Annealing Temperature and their Photocatalytic Activity. Recent Innovations in Chemical Engineering, 2019, 11, 192-200.	0.4	0