Rouhollah Azimirad

List of Publications by Year
in descending order

72 papers	2,649 citations	218677 26 h-index	189892 50 g-index
73 all docs	73 docs citations	73 times ranked	4055 citing authors

#	Article	IF	Citations
1	Graphene quantum dots incorporated UiO-66-NH2 as a promising photocatalyst for degradation of long-chain oleic acid. Chemical Physics Letters, 2021, 762, 138129.	2.6	26
2	Luminescence and scintillation properties of Eu2+ doped CaF2 glass ceramics for radiation spectroscopy. Journal of Luminescence, 2020, 221, 117040.	3.1	11
3	Experimental study of a large plastic scintillator response with different reflective coverings based on digital pulse processing method. Journal of Radioanalytical and Nuclear Chemistry, 2019, 321, 481-488.	1.5	4
4	Enhancing photoresponsivity of ultraviolet photodetectors based on ZnO/ZnO:Eu (xâ€¯=â€¯0, 0.2, 1, 5 and) Tj ETQq0 0 0 rgBT /Overlock	2.9	7
5	Improving ultraviolet photodetection of ZnO nanorods by Cr doped ZnO encapsulation process. Optics Communications, 2018, 413, 131-135.	2.1	36
6	Assessment of optical photon collection in a large plastic scintillator using Geant4-Gate code. Optik, 2018, 158, 305-311.	2.9	3
7	The effects of measuring atmosphere on ultraviolet photodetection performance of ZnO nanostructures. Journal of Alloys and Compounds, 2018, 735, 1406-1413.	5.5	18
8	Investigating NiO nanostructures in ethanol vapor sensing by changing the morphology. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	0
9	Synthesis of Three-Dimensional Multilayer Graphene Foam/ZnO Nanorod Composites and Their Photocatalyst Application. Journal of Electronic Materials, 2018, 47, 5452-5457.	2.2	17
10	Graphene oxide incorporated ZnO nanostructures as a powerful ultraviolet composite detector. Journal of Materials Science: Materials in Electronics, 2017, 28, 6919-6927.	2.2	22
11	Preparation and optimization of CdWO 4 -polymer nano-composite film as an alpha particle counter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 852, 85-90.	1.6	18
12	Electronic structure and optical properties of the single crystal and two-dimensional structure of CdWO 4 from first principles. Physica B: Condensed Matter, 2017, 511, 103-108.	2.7	6
13	Photoelectrochemical activity of graphene quantum dots/hierarchical porous TiO2 photoanode. Journal of Alloys and Compounds, 2017, 721, 36-44.	5.5	38
14	Effects of Chromium Dopant on Ultraviolet Photoresponsivity of ZnO Nanorods. Journal of Electronic Materials, 2017, 46, 4250-4255.	2.2	4
15	The effect of fe-dopant concentration on ethanol gas sensing properties of fe doped ZnO/ZnO shell/core nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2016, 84, 71-78.	2.7	21
16	The effect of concentration of H 2 physisorption on the currentâ€“voltage characteristic of armchair BN nanotubes in CNTâ€“BNNTâ€“CNT set. Pramana - Journal of Physics, 2016, 87, 1.	1.8	8
17	ZnO/rGO nanocomposite layer as a sensitive layer for simplistic ethanol vapor sensor and UV light detector. EPJ Applied Physics, 2016, 73, 10401.	0.7	5
18	CO gas optoâ€electronic sensor using semiconductor graphene nanoribbons: A firstâ€principles study. Physica Status Solidi (B): Basic Research, 2016, 253, 559-565.	1.5	3

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19	Investigating on photocatalytic performance of CuO micro and nanostructures prepared by different precursors. Desalination and Water Treatment, 2016, 57, 6723-6731.	1.0	19
20	Effect of annealing process in tuning of defects in ZnO nanorods and their application in UV photodetectors. Optik, 2016, 127, 4675-4681.	2.9	57
21	Hydrothermal synthesis of NiO nanostructures for photodegradation of 4-nitrophenol. Desalination and Water Treatment, 2016, 57, 21982-21989.	1.0	18
22	Electrospun polystyrene fibres on TiO2 nanostructured film to enhance the hydrophobicity and corrosion resistance of stainless steel substrates. Pramana - Journal of Physics, 2016, 86, 653-660.	1.8	8
23	Ultra-violet photodetection enhancement based on ZnOâ€"graphene composites fabricated by sonochemical method. Journal of Sol-Gel Science and Technology, 2015, 74, 499-506.	2.4	26
24	Preparation of three dimensional graphene foamâ€"WO3 nanocomposite with enhanced visible light photocatalytic activity. Materials Chemistry and Physics, 2015, 162, 686-691.	4.0	25
25	Hydrothermally Synthesized CuO Powders for Photocatalytic Inactivation of Bacteria. Acta Physica Polonica A, 2015, 127, 1727-1731.	0.5	17
26	Hydrogen-rich water for green reduction of graphene oxide suspensions. International Journal of Hydrogen Energy, 2015, 40, 5553-5560.	7.1	37
27	Visible light photoinactivation of bacteria by tungsten oxide nanostructures formed on a tungsten foil. Applied Surface Science, 2015, 338, 55-60.	6.1	35
28	Investigation of ethanol vapor sensing properties of ZnO flower-like nanostructures. Measurement: Journal of the International Measurement Confederation, 2015, 73, 588-595.	5.0	17
29	How CdS nanoparticles can influence TiO 2 nanotube arrays in solar energy applications?. Applied Catalysis B: Environmental, 2015, 162, 210-216.	20.2	60
30	Enhanced gas-sensing properties of ZnO nanorods encapsulated in an Fe-doped ZnO shell. Journal Physics D: Applied Physics, 2014, 47, 075003.	2.8	42
31	Electrical investigation and ultraviolet detection of ZnO nanorods encapsulated with ZnO and Fe-doped ZnO layer. Journal of Sol-Gel Science and Technology, 2014, 71, 540-548.	2.4	9
32	Investigation of reduced graphene oxide effects on ultra-violet detection of ZnO thin film. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 57, 155-160.	2.7	41
33	Photocatalytic and Antifungal Activity of Flower-Like Copper Oxide Nanostructures. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2014, 44, 798-803.	0.6	14
34	Enhancing photoresponsivity of ultra violet photodetectors based on Fe doped ZnO/ZnO shell/core nanorods. Journal of Alloys and Compounds, 2014, 615, 227-233.	5.5	39
35	Microstructure and Hydrogen Storage Properties of LaNi5-Multi Wall Carbon Nanotubes (MWCNTs) Composite. Arabian Journal for Science and Engineering, 2013, 38, 187-194.	1.1	8
36	Synthesis of potassium tungsten oxide nano/microwires by heat treatment of tungsten foils. Thin Solid Films, 2013, 529, 475-478.	1.8	3

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37	The Effects of Reduced Graphene Oxide (rGO) on ZnO Film UV-Detector. Advanced Materials Research, 2013, 829, 577-582.	0.3	10
38	Influence of hydrogen reduction on growth of tungsten oxide nanowires. Journal of Experimental Nanoscience, 2012, 7, 597-607.	2.4	6
39	Enhanced photoelectrochemical activity of Ce doped ZnO nanocomposite thin films under visible light. Journal of Electroanalytical Chemistry, 2011, 661, 106-112.	3.8	118
40	CuO/Cu(OH)2 hierarchical nanostructures as bactericidal photocatalysts. Journal of Materials Chemistry, 2011, 21, 9634.	6.7	260
41	Effect of annealing temperature on growth of Ce-ZnO nanocomposite thin films: X-ray photoelectron spectroscopy study. Thin Solid Films, 2011, 520, 721-725.	1.8	38
42	Functionalized carbon nanotubes in ZnO thin films for photoinactivation of bacteria. Materials Chemistry and Physics, 2011, 130, 598-602.	4.0	115
43	Field-emission enhancement of molybdenum oxide nanowires with nanoprotrusions. Journal of Nanoparticle Research, 2011, 13, 115-125.	1.9	18
44	Synthesis of W₁₇O₄₇ nanothick plates with preferred orientation and their photocatalytic activity. Surface and Interface Analysis, 2011, 43, 1397-1402.	1.8	9
45	UV detecting properties of hydrothermal synthesized ZnO nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 1141-1145.	2.7	71
46	The effect of heat treatment on physical properties of nanograined (WO3)1â€“xâ€“(Fe2O3)x thin films. Vacuum, 2011, 85, 810-819.	3.5	21
47	Superhydrophilic stability enhancement of RF co-sputtered TixSi1â^'xO2 thin films in dark. Applied Surface Science, 2010, 256, 2500-2506.	6.1	20
48	Improved electrochromical properties of solâ€“gel WO3 thin films by doping gold nanocrystals. Thin Solid Films, 2010, 518, 2250-2257.	1.8	81
49	Visible light photo-induced antibacterial activity of CNTâ€“doped TiO2 thin films with various CNT contents. Journal of Materials Chemistry, 2010, 20, 7386.	6.7	213
50	Photocatalytic property of Fe2O3 nanograin chains coated by TiO2 nanolayer in visible light irradiation. Applied Catalysis A: General, 2009, 369, 77-82.	4.3	143
51	AFM stochastic analysis of surface twisted nanograin chains of iron oxide: a kinetic study. Journal Physics D: Applied Physics, 2009, 42, 065404.	2.8	5
52	Hydrothermal synthesis of ZnO nanorod arrays for photocatalytic inactivation of bacteria. Journal Physics D: Applied Physics, 2009, 42, 225305.	2.8	174
53	Simple Method to Synthesize Na_xWO₃ Nanorods and Nanobelts. Journal of Physical Chemistry C, 2009, 113, 13098-13102.	3.1	26
54	Growth and Field Emission Study of Molybdenum Oxide Nanostars. Journal of Physical Chemistry C, 2009, 113, 19298-19304.	3.1	99

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55	Growth of Na_{0.3}WO₃nanorods for the field emission application. Journal Physics D: Applied Physics, 2009, 42, 205405.	2.8	15
56	Persistent superhydrophilicity of solâ€“gel derived nanoporous silica thin films. Journal Physics D: Applied Physics, 2009, 42, 025302.	2.8	27
57	Self-encapsulation of single-texture CoSi2 nanolayer by TaSi2. Thin Solid Films, 2008, 516, 6008-6012.	1.8	4
58	Growth and characterization of sodiumâ€“tungsten oxide nanobelts with U-shape cross section. Journal of Crystal Growth, 2008, 310, 824-828.	1.5	14
59	The effect of heating time on growth of NaxWO3 nanowhiskers. Vacuum, 2008, 82, 821-826.	3.5	20
60	Low temperature self-agglomeration of metallic Ag nanoparticles on silica solâ€“gel thin films. Journal Physics D: Applied Physics, 2008, 41, 195305.	2.8	38
61	The effect of nanocrystalline tungsten oxide concentration on surface properties of dip-coated hydrophilic WO3â€“SiO2thin films. Journal Physics D: Applied Physics, 2007, 40, 2089-2095.	2.8	34
62	Hydrophilicity variation of WO3 thin films with annealing temperature. Journal Physics D: Applied Physics, 2007, 40, 1134-1137.	2.8	89
63	Physical characteristics of heat-treated nano-silvers dispersed in solâ€“gel silica matrix. Nanotechnology, 2006, 17, 763-771.	2.6	80
64	Influence of Coloring Voltage and Thickness on Electrochromical Properties of e-beam Evaporated WO[sub 3] Thin Films. Journal of the Electrochemical Society, 2006, 153, E11.	2.9	59
65	The effect of annealing temperature on the statistical properties of WO3surface. Journal of Statistical Mechanics: Theory and Experiment, 2006, 2006, P09017-P09017.	2.3	19
66	An investigation on electrochromic properties of (WO3)1âˆ’xâ€“(Fe2O3)x thin films. Thin Solid Films, 2006, 515, 644-647.	1.8	23
67	The barrier effect of a WxTa(1âˆ’x)nanolayer on formation of single-texture CoSi2on Si(1â€‰0â€‰0). Semiconductor Science and Technology, 2006, 21, 1181-1192.	2.0	5
68	Optical properties and surface morphology of evaporated (WO3)1âˆ’xâ€“(Fe2O3)x thin films. Thin Solid Films, 2005, 484, 124-131.	1.8	52
69	Single-crystalline growth of CoSi2 by refractory-interlayer-mediated epitaxy. Applied Surface Science, 2004, 233, 123-128.	6.1	8
70	Study of cobalt silicides formation in Co/Ta-W/Si(100) multilayer systems. Thin Solid Films, 2003, 433, 298-304.	1.8	6
71	Photocatalytic Activity of One-Pot Synthesized Reduced Graphene Oxide â€“ Zinc Oxide Nanocomposites. Journal of Nano Research, 0, 37, 74-84.	0.8	6
72	Investigating the effects of Fe dopant on structural, optical, and photocatalytic properties of ZnO nanoflowers. , 0, 123, 196-202.		1