

Mohammad Sabet

List of Publications by Year in descending order

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58
papers

1,109
citations

394421

19
h-index

434195

31
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all docs

58
docs citations

58
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Using different chemical methods for deposition of CdS on TiO ₂ surface and investigation of their influences on the dye-sensitized solar cell performance. <i>Electrochimica Acta</i> , 2014, 117, 504-520.	5.2	158
2	Preparation of flower-like magnesium hydroxide nanostructure and its influence on the thermal stability of poly vinyl acetate and poly vinyl alcohol. <i>Composites Part B: Engineering</i> , 2013, 45, 550-555.	12.0	118
3	Synthesis and characterization of CuInS ₂ microsphere under controlled reaction conditions and its application in low-cost solar cells. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 1485-1494.	4.0	68
4	The Effect of Flower-Like Magnesium Hydroxide Nanostructure on the Thermal Stability of Cellulose Acetate and Acrylonitrile-Butadiene-Styrene. <i>Journal of Cluster Science</i> , 2013, 24, 73-84.	3.3	37
5	Synthesis of CuInS ₂ nanoparticles via simple microwave approach and investigation of their behavior in solar cell. <i>Materials Science in Semiconductor Processing</i> , 2013, 16, 696-704.	4.0	37
6	Synthesis and Characterization of Copper Ferrite Nanocrystals via Coprecipitation. <i>Journal of Cluster Science</i> , 2012, 23, 1003-1010.	3.3	36
7	Controlled green synthesis and characterization of CeO ₂ nanostructures as materials for the determination of ascorbic acid. <i>Journal of Molecular Liquids</i> , 2017, 241, 772-781.	4.9	31
8	Improving microwave absorption of the polyaniline by carbon nanotube and needle-like magnetic nanostructures. <i>Synthetic Metals</i> , 2017, 224, 18-26.	3.9	30
9	Effect of adding TiO ₂ , SiO ₂ and graphene on of electrochemical hydrogen storage performance and coulombic efficiency of CoAl ₂ O ₄ spinel. <i>Journal of Alloys and Compounds</i> , 2020, 828, 154353.	5.5	30
10	Polymeric Matrix Nanocomposites: Influence of Cadmium Sulfide Nanostructure on the Thermal Degradation of Poly(Vinyl Alcohol) and Cellulose Acetate. <i>Journal of Cluster Science</i> , 2012, 23, 1081-1095.	3.3	29
11	Simple and surfactant free synthesis and characterization of CdS/ZnS core-shell nanoparticles and their application in the removal of heavy metals from aqueous solution. <i>RSC Advances</i> , 2014, 4, 10990.	3.6	28
12	Novel green synthesis of ZnAl ₂ O ₄ and ZnAl ₂ O ₄ /graphene nanocomposite and comparison of electrochemical hydrogen storage and Coulombic efficiency. <i>Journal of Cleaner Production</i> , 2018, 178, 14-21.	9.3	28
13	Synthesis and characterization of CuInSe ₂ nanocrystals via facile microwave approach and study of their behavior in solar cell. <i>Materials Science in Semiconductor Processing</i> , 2014, 25, 98-105.	4.0	25
14	Synthesis and Characterization PbS and Bi ₂ S ₃ Nanostructures via Microwave Approach and Investigation of Their Behaviors in Solar Cell. <i>Journal of Cluster Science</i> , 2012, 23, 511-525.	3.3	24
15	Synthesis and characterization of ceria nanostructures with different morphologies via a simple thermal decompose method with different cerium complexes and investigation the photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8793-8801.	2.2	24
16	Two-Step and Green Synthesis of Highly Fluorescent Carbon Quantum Dots and Carbon Nanofibers from Pine Fruit. <i>Journal of Fluorescence</i> , 2020, 30, 927-938.	2.5	24
17	Sonochemical Method for Preparation of Copper Indium Sulfide Nanoparticles and their Application for Solar Cell. <i>Combinatorial Chemistry and High Throughput Screening</i> , 2014, 17, 183-189.	1.1	24
18	Synthesis of CeO ₂ /Au/Ho nanostructures as novel and highly efficient visible light driven photocatalyst. <i>Separation and Purification Technology</i> , 2018, 190, 117-122.	7.9	20

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19	Facile Microwave Approach for Synthesis of Copper-Indium Sulfide Nanoparticles and Study of Their Behavior in Solar Cell. <i>Journal of Cluster Science</i> , 2012, 23, 491-502.	3.3	19
20	Synthesis of different morphologies of Cu ₂ CdI ₄ /CuI nanocomposite via simple hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11092-11101.	2.2	19
21	Deposition of Lead Sulfide Nanostructure Films on TiO ₂ Surface via Different Chemical Methods due to Improving Dye-Sensitized Solar Cells Efficiency. <i>Electrochimica Acta</i> , 2015, 169, 168-179.	5.2	17
22	Comparison of electrochemical hydrogen storage and Coulombic efficiency of ZnAl ₂ O ₄ and ZnAl ₂ O ₄ -impregnated TiO ₂ synthesized using green method. <i>Journal of Cleaner Production</i> , 2018, 180, 587-594.	9.3	17
23	Simple synthesis, characterization and investigation of photocatalytic activity of NiS ₂ nanoparticles using new precursors by hydrothermal method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 858-865.	2.2	17
24	Synthesis of Zinc Sulfide Nanostructures with Different Sulfur Sources via Mild Hydrothermal Route: Investigation of Crystal Phase and Morphology. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2016, 26, 738-743.	3.7	16
25	Effect of Sulfur Source on Cadmium Sulfide Nanostructures Morphologies via Simple Hydrothermal Route. <i>Journal of Cluster Science</i> , 2016, 27, 351-360.	3.3	16
26	Surface adsorption of lead ions and degradation of an organic dye with a nano photocatalyst synthesized via a simple hydrothermal method. <i>Nano Structures Nano Objects</i> , 2018, 13, 21-29.	3.5	16
27	CuInS ₂ /CuS Nanocomposite: Synthesis via Simple Microwave Approach and Investigation Its Behavior in Solar Cell. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2012, 22, 1139-1145.	3.7	14
28	Synthesis and Characterization of Lead Molybdate Nanostructures with High Photocatalytic Activity Via Simple Co-precipitation Method. <i>Journal of Cluster Science</i> , 2016, 27, 315-326.	3.3	14
29	Deposition of cadmium selenide semiconductor nanostructures on TiO ₂ surface via different chemical methods and investigation of their effects on dye sensitized solar cell efficiency. <i>Materials Science in Semiconductor Processing</i> , 2014, 27, 619-633.	4.0	11
30	Synthesis and Characterization of ZnIn ₂ S ₄ Nanoparticles by a Facile Microwave Approach. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2013, 23, 452-457.	3.7	10
31	Synthesis and characterization of cerium molybdate nanostructures via a simple solvothermal method and investigation of their photocatalytic activity. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 7342-7352.	2.2	10
32	Investigate the effect of silica on improvement electrochemical storage of hydrogen in ZnAl ₂ O ₄ spinel. <i>Journal of Alloys and Compounds</i> , 2018, 751, 275-282.	5.5	10
33	Synthesis and Characterization of Strontium Carbonate Nanostructures via Simple Hydrothermal Method. <i>High Temperature Materials and Processes</i> , 2016, 35, 215-220.	1.4	9
34	Synthesis of carbon nanotube, graphene, CoFe ₂ O ₄ , and NiFe ₂ O ₄ polypyrrole nanocomposites and study their microwave absorption. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10853-10863.	2.2	9
35	Synthesis and Characterization of CdCO ₃ Nanostructures via Simple Hydrothermal Method. <i>Journal of Cluster Science</i> , 2013, 24, 1-9.	3.3	8
36	Synthesis and Characterization of CoS ₂ Nanostructures Via Hydrothermal Method. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1159-1167.	0.6	8

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37	Synthesis and characterization of different morphologies of RbPbI ₃ nanostructures via simple hydrothermal method and investigation of their photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2016, 27, 8826-8832.	2.2	8
38	Growth of TiO ₂ nanotubes on the Ti foil by anodizing method used in the flexible dye-sensitized solar cell in presence of three counter electrodes. Journal of Materials Science: Materials in Electronics, 2017, 28, 6566-6571.	2.2	8
39	The effects of surfactant on the structure of ZnCr ₂ O ₄ dendrimer like nanostructures used in degradation of Eriochrome Black T. Materials Research Express, 2018, 5, 015035.	1.6	8
40	Using a low temperature method to fabrication of flexible dye sensitized solar cells with three different counter electrodes. Journal of Materials Science: Materials in Electronics, 2018, 29, 778-783.	2.2	8
41	Synthesis and Characterization of Calcium Carbonate Nanostructures via Simple Hydrothermal Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 848-857.	0.6	7
42	Synthesis and Characterization of Cu ₂ S Nanostructures Via Hydrothermal Method by a Polymeric Precursor. Journal of Cluster Science, 2013, 24, 799-809.	3.3	6
43	Synthesis and Characterization of CdS Nanoparticles via Cyclic Microwave from Cadmium Oxalate. Journal of Cluster Science, 2013, 24, 299-313.	3.3	6
44	Synthesis and Characterization of Barium Carbonate Nanostructures Via Simple Hydrothermal Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 317-322.	0.6	6
45	Synthesis and Characterization of Cadmium Sulfide Nanoparticles via a Simple Thermal Decompose Method. High Temperature Materials and Processes, 2016, 35, 1013-1016.	1.4	6
46	<i>In situ</i> green synthesis of highly fluorescent Fe ₂ O ₃ @CQD/graphene oxide using hard pistachio shells via the hydrothermal assisted ball milling method. Luminescence, 2020, 35, 684-693.	2.9	6
47	A new sonochemical method for preparation of different morphologies of CuInS ₂ nanostructures. Bulletin of Materials Science, 2014, 37, 1079-1085.	1.7	5
48	Improving Electron Transfer from Dye to TiO ₂ by Using CdTe Nanostructure Layers in Dye-Sensitized Solar Cells. Journal of Materials Engineering and Performance, 2015, 24, 3107-3117.	2.5	4
49	Prominent Visible Light Photocatalytic and Water Purification Activity of PbS/CdS/CdO Nanocomposite Synthesized via Simple Co-Precipitation Method. Nanoscience and Nanotechnology - Asia, 2019, 9, 278-284.	0.7	4
50	Synthesis of Copper Indium Sulfide Nanoparticles Via Microwave Approach and Investigation of Their Behavior in Solar Cells. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2015, 45, 1025-1032.	0.6	3
51	Simple Thermal Decompose Method for Synthesis of Nickel Disulfide Nanostructures. High Temperature Materials and Processes, 2016, 35, 1017-1019.	1.4	3
52	Synthesis and Characterization of Mg(OH) ₂ and MgO Nanostructures Via Simple Hydrothermal Method. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 681-686.	0.6	3
53	Synthesis and Characterization of Lead Sulfide Nanostructures with Different Morphologies via Simple Hydrothermal Method. High Temperature Materials and Processes, 2016, 35, 559-566.	1.4	3
54	Synthesis and characterization of different morphologies CuGaS ₂ /CuS nanostructures with a simple sonochemical method. Journal of Materials Science: Materials in Electronics, 2017, 28, 2427-2434.	2.2	2

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55	Green Synthesis of Highly Fluorescent Graphene Oxide/Carbon Quantum Dot Colloid from Rice. Journal of Electronic Materials, 2020, 49, 3947-3955.	2.2	2
56	Investigation of optical, photocatalytic and physical adsorption of a new nanocomposite synthesized via a simple co-precipitation method. European Physical Journal Plus, 2017, 132, 1.	2.6	0
57	Degradation of methyl orange and removing Pb ²⁺ from the water with ZnO-Fe nano photocatalyst. Journal of Materials Science: Materials in Electronics, 2017, 28, 12670-12682.	2.2	0
58	Dye-Sensitized Solar Cells with Sol-Gel Derived AZO/GZO Bilayer as an Efficient Electron Transport Layer. Journal of Cluster Science, 2017, 28, 2709-2717.	3.3	0