

Afshin Pourahmad

List of Publications by Year in descending order

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papers

744
citations

567281

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39
all docs

39
docs citations

39
times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison absorption of new methylene blue dye in zeolite and nanocrystal zeolite. Desalination, 2010, 256, 84-89.	8.2	83
2	Photocatalytic degradation of basic blue 9 by CoS nanoparticles supported on AlMCM-41 material as a catalyst. Journal of Hazardous Materials, 2009, 170, 184-190.	12.4	78
3	Studying effect of cell wall's carboxylâ€“carboxylate ratio change of Lemna minor to remove heavy metals from aqueous solution. Journal of Hazardous Materials, 2009, 163, 165-173.	12.4	65
4	Ag ₂ S nanoparticle encapsulated in mesoporous material nanoparticles and its application for photocatalytic degradation of dye in aqueous solution. Superlattices and Microstructures, 2012, 52, 276-287.	3.1	56
5	Preparation and characterization of Ag nanowires in mesoporous MCM-41 nanoparticles template by chemical reduction method. Journal of Alloys and Compounds, 2009, 484, 314-316.	5.5	36
6	Formation of NiS and CoS semiconductor nanoparticles inside mordenite-type zeolite. Materials Letters, 2007, 61, 2923-2926.	2.6	34
7	Synthesis and characterization of MCM-41 ropes. Materials Letters, 2018, 212, 16-19.	2.6	31
8	New methylene blue incorporated in mordenite zeolite as humidity sensor material. Materials Letters, 2007, 61, 2311-2314.	2.6	30
9	Growth and characterization of NiS and NiCoS nanoparticles in mordenite zeolite host. Materials Science and Engineering C, 2008, 28, 202-205.	7.3	25
10	As-synthesis of nanostructure AgCl/Ag/MCM-41 composite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 271-275.	3.9	24
11	Magnetite-metal organic framework core@shell for degradation of ampicillin antibiotic in aqueous solution. Journal of Solid State Chemistry, 2020, 288, 121420.	2.9	24
12	Catalytic reduction of methylene blue by sulfide ions in the presence of nanoAlMCM-41 material. Superlattices and Microstructures, 2010, 47, 411-421.	3.1	23
13	Removal of methyl orange from aqueous solution by Azolla filicoides: Synthesis of Fe ₃ O ₄ nano-particles and its surface modification by the extracted pectin of Azolla. Chinese Chemical Letters, 2011, 22, 501-504.	9.0	21
14	Degradation of basic blue 9 dye by CoS/nanoAlMCM-41 catalyst under visible light irradiation. Journal of Porous Materials, 2010, 17, 367-375.	2.6	20
15	Synthesis of silver/poly (diallyldimethylammonium chloride) hybride nanocomposite. Advanced Powder Technology, 2011, 22, 669-673.	4.1	17
16	Preparation and characterization of host (mesoporous aluminosilicate material)â€“guest (semiconductor nanoparticles) nanocomposite materials. Materials Letters, 2008, 62, 655-658.	2.6	15
17	Nanocomposite prepared from ZnS nanoparticles and molecular sieves nanoparticles by ion exchange method: Characterization and its photocatalytic activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 193-198.	3.9	15
18	New Methylene Blue (NMB) Encapsulated in Mesoporous AlMCMâ€“41 Material and Its Application for Amperometric Determination of Ascorbic Acid in Real Samples. Electroanalysis, 2007, 19, 1635-1641.	2.9	14

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19	CdS semiconductor nanoparticles embedded in AlMCM-41 by solid-state reaction. <i>Journal of Alloys and Compounds</i> , 2010, 505, 324-327.	5.5	13
20	Synthesis of MTW@MOF nanocomposite for removal of methylene blue. <i>Journal of Coordination Chemistry</i> , 2021, 74, 2174-2184.	2.2	13
21	Synthesis and characterization of CoS nanoparticles encapsulated in mesoporous aluminosilicate material by solid-state reaction. <i>Materials Letters</i> , 2011, 65, 205-207.	2.6	12
22	GNP/Al-MOF nanocomposite as an efficient fiber coating of headspace solid-phase micro-extraction for the determination of organophosphorus pesticides in food samples. <i>Mikrochimica Acta</i> , 2022, 189, 45.	5.0	12
23	Preparation and spectroscopic studies of PbS/nanoMCM-41 nanocomposite. <i>Arabian Journal of Chemistry</i> , 2014, 7, 788-792.	4.9	10
24	Synthesis of zeolite Y @ metal-organic framework core@shell. <i>Journal of Coordination Chemistry</i> , 2020, 73, 3412-3419.	2.2	10
25	Incorporation of CoS nanoparticles into ZSM-5 zeolite by hydrothermal and ion exchange methods. <i>Journal of the Iranian Chemical Society</i> , 2009, 6, 612-619.	2.2	8
26	Preparation of ZSM-12 Zeolite from RHS and Its Application for Synthesis of n-type ZnO Semiconductor Nanoparticles: A Green Chemistry Approach. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2018, 28, 2213-2220.	3.7	7
27	Nickel cobalt sulfide nanoparticles grown on AlMCM-41 molecular sieve. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 684-688.	2.7	6
28	Photocatalytic activity of quantum dots incorporated in molecular sieves for generation of hydrogen. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2012, 94, 18-22.	3.9	6
29	Rice husk based MCM-41 nanoparticles loaded with Ag ₂ S nanostructures by a green and room temperature method and its antimicrobial property. <i>Inorganic and Nano-Metal Chemistry</i> , 2017, 47, 1552-1559.	1.6	6
30	Synthesis of Novel fused Azo-linked acridine derivatives using GO-ZnO nanocomposite. <i>Journal of Molecular Structure</i> , 2021, 1245, 131081.	3.6	6
31	Ternary metal sulphide nanocrystals in MCM-41 nanoparticles matrix: preparation and properties. <i>Micro and Nano Letters</i> , 2011, 6, 918.	1.3	5
32	Octahedral and tetrahedral cobalt species in nanodimensional pores of mordenite zeolite as modified carbon paste electrode for determination of ascorbic acid. <i>Micro and Nano Letters</i> , 2012, 7, 511.	1.3	5
33	Matrices based on meso antibacterial framework. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 1579-1590.	1.4	3
34	Synthesis of Fused Azo-linked Acridine Derivatives Using MCM-41/Ag ₂ S-RHA Nanocomposite. <i>Current Organic Synthesis</i> , 2021, 18, 719-725.	1.3	3
35	Preparation and Application of CuO@RHA/MCM-41 Nanocomposite for the Synthesis of Fused pyrano[4,3-b]chromenones. <i>Letters in Organic Chemistry</i> , 2020, 17, 360-365.	0.5	3
36	Host (nanodimensional pores of mesoporous material)-guest (semiconductor nanoparticles) nanocomposite materials. <i>Materials Chemistry and Physics</i> , 2008, 111, 396-399.	4.0	2

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37	Lead sulfide quantum dots embedded in mesoporous material by ion-exchange method. <i>Materials Letters</i> , 2011, 65, 2551-2553.	2.6	2
38	Fabrication, Characterization and Antibacterial Properties of MgO Nanoparticles in Zeolite Matrix. <i>Iranian Journal of Medical Microbiology</i> , 2018, 12, 116-124.	0.6	1