

Gholamreza Nabiyouni

List of Publications by Year in descending order

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51
papers

1,078
citations

430442

18
h-index

414034

32
g-index

51
all docs

51
docs citations

51
times ranked

1275
citing authors

#	ARTICLE	IF	CITATIONS
1	Physics responsible for heating efficiency and self-controlled temperature rise of magnetic nanoparticles in magnetic hyperthermia therapy. <i>Progress in Biophysics and Molecular Biology</i> , 2018, 133, 9-19.	1.4	116
2	A novel magnetic MgFe ₂ O ₄ –MgTiO ₃ perovskite nanocomposite: Rapid photo-degradation of toxic dyes under visible irradiation. <i>Composites Part B: Engineering</i> , 2019, 175, 107080.	5.9	89
3	High impact of in situ dextran coating on biocompatibility, stability and magnetic properties of iron oxide nanoparticles. <i>Materials Science and Engineering C</i> , 2017, 75, 947-956.	3.8	88
4	Preparation of a new magnetic and photo-catalyst CoFe ₂ O ₄ –SrTiO ₃ perovskite nanocomposite for photo-degradation of toxic dyes under short time visible irradiation. <i>Composites Part B: Engineering</i> , 2019, 176, 107343.	5.9	71
5	Room temperature synthesis and magnetic property studies of Fe ₃ O ₄ nanoparticles prepared by a simple precipitation method. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 599-603.	2.9	51
6	Photo-degradation of Congored, acid brown and acid violet: photo catalyst and magnetic investigation of CuFe ₂ O ₄ –TiO ₂ –Ag nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 11017-11033.	1.1	51
7	Thermal, magnetic, and optical characteristics of ABS–Fe ₂ O ₃ nanocomposites. <i>Journal of Applied Polymer Science</i> , 2012, 125, 3268-3274.	1.3	43
8	Photo-degradation of azo dyes: photo catalyst and magnetic investigation of CuFe ₂ O ₄ –TiO ₂ nanoparticles and nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9962-9975.	1.1	43
9	A sonochemical-assisted synthesis of spherical silica nanostructures by using a new capping agent. <i>Ceramics International</i> , 2014, 40, 495-499.	2.3	40
10	Rapid photo-degradation of toxic dye pollutants: green synthesis of mono-disperse Fe ₃ O ₄ –CeO ₂ nanocomposites in the presence of lemon extract. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11065-11080.	1.1	40
11	Photo-degradation of azo-dyes by applicable magnetic zeolite Y–Silver–CoFe ₂ O ₄ nanocomposites. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 5315-5323.	1.1	37
12	Correlation between effects of the particle size and magnetic field strength on the magnetic hyperthermia efficiency of dextran-coated magnetite nanoparticles. <i>Materials Science and Engineering C</i> , 2020, 117, 111274.	3.8	32
13	Photo-catalyst Fe ₃ O ₄ /TiO ₂ nanocomposites: green synthesis and investigation of magnetic nanoparticles coated on cotton. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 8661-8669.	1.1	29
14	Simple and green synthesis of CuFe ₂ O ₄ –CuO nanocomposite using some natural extracts: photo-degradation and magnetic study of nanoparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 4689-4703.	1.1	23
15	Preparation of tin ferrite–tin oxide by hydrothermal, precipitation and auto-combustion: photo-catalyst and magnetic nanocomposites for degradation of toxic azo-dyes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 1766-1776.	1.1	22
16	Optimal size for heating efficiency of superparamagnetic dextran-coated magnetite nanoparticles for application in magnetic fluid hyperthermia. <i>Physica C: Superconductivity and Its Applications</i> , 2018, 549, 84-87.	0.6	21
17	Aqueous based synthesis of N-acetyl-L-cysteine capped ZnSe nanocrystals with intense blue emission. <i>Optical Materials</i> , 2016, 60, 564-570.	1.7	20
18	A sonochemical-assisted method for synthesis of BaFe ₁₂ O ₁₉ nanoparticles and hard magnetic nanocomposites. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 3425-3429.	2.9	19

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19	Photo-catalyst and magnetic investigation of BaFe ₂ O ₇ /ZnO nanoparticles and nanocomposites. Journal of Materials Science: Materials in Electronics, 2016, 27, 11339-11352.	1.1	19
20	Aqueous-based synthesis of Cd-free and highly emissive Fe-doped ZnSe(S)/ZnSe(S) core/shell quantum dots with antibacterial activity. Journal of Colloid and Interface Science, 2018, 529, 520-530.	5.0	17
21	SrFe ₂ O ₉ ferrites and hard magnetic PVA nanocomposite: investigation of magnetization, coeivity and remanence. Journal of Materials Science: Materials in Electronics, 2016, 27, 4297-4306.	1.1	16
22	pH-dependent optical properties of N-acetyl-L-cysteine-capped ZnSe(S) nanocrystals with intense/stable emissions. Journal of Nanoparticle Research, 2017, 19, 1.	0.8	16
23	Preparation of Ni(OH) ₂ , NiO and NiFe ₂ O ₄ nanoparticles: magnetic and photo-catalyst NiFe ₂ O ₄ /NiO nanocomposites. Journal of Materials Science: Materials in Electronics, 2016, 27, 13338-13350.	1.1	15
24	Synergistic Effect between Sb ₂ O ₃ Nanostructure and Brominated Compound on the Flame Retardant Properties of the Polymeric Matrixes. High Temperature Materials and Processes, 2013, 32, 125-132.	0.6	14
25	Green synthesis of magnetic and photo-catalyst PbFe ₂ O ₉ /PbS nanocomposites by lemon extract: nano-sphere PbFe ₂ O ₉ and star-like PbS. Journal of Materials Science: Materials in Electronics, 2017, 28, 1101-1114.	1.1	14
26	Magnetic and photo-catalyst BaFe ₂ O ₉ -ZnO: Hydrothermal preparation of barium ferrite nanoparticles and hexagonal zinc oxide nanostructures. Journal of Materials Science: Materials in Electronics, 2017, 28, 6607-6618.	1.1	13
27	Effect of platinum precursor on the nanoparticle size synthesised in microemulsion system. Journal of Experimental Nanoscience, 2011, 6, 305-310.	1.3	11
28	A Simple Method for Synthesis of PbS Nanoparticles Using 2-Mercaptoethanol as the Capping Agent. High Temperature Materials and Processes, 2012, 31, 723-725.	0.6	10
29	Photo-degradation of acid blue, black and brown: photo catalyst and magnetic investigation of CoFe ₂ O ₄ /SnO ₂ nanoparticles and nano composites. Journal of Materials Science: Materials in Electronics, 2016, 27, 12160-12173.	1.1	10
30	The effect of the magnetically dead layer on the magnetization and the magnetic anisotropy of the dextran-coated magnetite nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	10
31	Synthesis, characterization and magnetic investigations of Fe ₃ O ₄ nanoparticles and zeolite-Y nanocomposites prepared by precipitation method. Journal of Materials Science: Materials in Electronics, 2015, 26, 5677-5685.	1.1	9
32	Simple synthesis of conductive poly aniline/cobalt ferrite magnetic nanocomposite: its radio waves absorption and photo catalyst ability. Journal of Cluster Science, 2022, 33, 1257-1266.	1.7	9
33	Studying magnetic properties and surface roughness evolution of Ag-Co electrodeposited films. Journal of Magnetism and Magnetic Materials, 2019, 490, 165501.	1.0	8
34	Facile and versatile preparation of full-color emissive Fe-doped ZnCdSe/ZnS core/shell quantum dots by a novel aqueous-based colloidal approach. Journal of Luminescence, 2019, 205, 525-531.	1.5	7
35	Preparation of Highly Biocompatible ZnSe Quantum Dots Using a New Source of Acetyl Cysteine as Capping Agent. Journal of Fluorescence, 2017, 27, 1581-1586.	1.3	6
36	A short time microwave method for synthesis of magnetic NiFe ₂ O ₄ /NiO nanocomposites as a clean technology in photocatalytic degradation of water pollutants. Journal of Materials Science: Materials in Electronics, 2019, 30, 8171-8181.	1.1	6

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37	A Simple Microwave Method for Synthesis of CdS Nanoparticles. Journal of Cluster Science, 2013, 24, 1043-1055.	1.7	4
38	Lead hexa-ferrites and magnetic cellulose acetate nanocomposites: study of magnetization, coercivity and remanence. Journal of Materials Science: Materials in Electronics, 2016, 27, 7738-7749.	1.1	4
39	Conventional and fractal analyses and nanoscale behavior studies of electrodeposited silver films. Physica B: Condensed Matter, 2018, 548, 46-52.	1.3	4
40	Structure, magnetic properties and giant magnetoresistance of granular cobalt-silver films. Applied Physics A: Materials Science and Processing, 2022, 128, 1.	1.1	4
41	Optical and magnetic investigation of Co-doped-TiO ₂ : various morphologies of titanium dioxide nanostructures. Journal of Materials Science: Materials in Electronics, 2015, 26, 8047-8053.	1.1	3
42	Facile synthesis of hexagonal strontium ferrite nanostructures and hard magnetic poly carbonate nanocomposite. Main Group Metal Chemistry, 2017, 40, .	0.6	3
43	Photo-catalyst Co _{Bix} Fe _{2(1-x)} O ₄ -Bi ₂ O ₃ nanocomposite: effect of bismuth substitution in magnetic properties of cobalt ferrite. Journal of Materials Science: Materials in Electronics, 2017, 28, 3083-3089.	1.1	3
44	Fabrication and magnetic study of Co/Pt multilayer nanowires and Co-Pt alloy nanowires electrodeposited into porous Si substrates. Journal of Experimental Nanoscience, 2014, 9, 186-196.	1.3	2
45	Magnetic Investigation of Various Ni _{1-x} Bi _x O ₄ Ferrite Nanostructures Synthesized by Ball Milling Technique. Journal of Cluster Science, 2016, 27, 1005-1015.	1.7	2
46	Investigation of size dependent Curie temperature and magnetization of bismuth substituted zinc ferrite (Zn _{Bix} Fe _{2(1-x)} O ₄) nanoparticles. Journal of Materials Science: Materials in Electronics, 2016, 27, 4699-4704.	1.1	1
47	A Simple Chemical Method for Synthesis of BaFe ₁₂ O ₁₉ Hard Magnetic Nanoparticles. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 19-24.	0.6	1
48	Microwave-Assisted Synthesis of BaFe ₁₂ O ₁₉ Nanoparticles and Ethyl Cellulose-Based Magnetic Nanocomposite. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2016, 46, 163-167.	0.6	1
49	Preparation and photocatalytic study of CoFe ₂ O ₄ /TiO ₂ /Au nanocomposites and their applications in organic pollutant degradation and modeling by an artificial neural network (ANN). Journal of Materials Science: Materials in Electronics, 0, , 1.	1.1	1
50	GMR IN ELECTRODEPOSITED SUPERLATTICES. , 2010, , 139-171.		0
51	Room temperature synthesis of lead sulfide nanoparticles. Main Group Metal Chemistry, 2012, 35, .	0.6	0