MD Amir

List of Publications by Year in descending order

52 papers	1,448 citations	279798 23 h-index	330143 37 g-index
52 all docs	52 docs citations	52 times ranked	1390 citing authors

#	Article	IF	Citations
1	Synthesis of magnetically recyclable MnFe 2 O 4 @SiO 2 @Ag nanocatalyst: Its high catalytic performances for azo dyes and nitro compounds reduction. Applied Surface Science, 2016, 376, 16-25.	6.1	110
2	Rapid color degradation of organic dyes by Fe3O4@His@Ag recyclable magnetic nanocatalyst. Journal of Industrial and Engineering Chemistry, 2015, 27, 347-353.	5.8	81
3	Substitution effect of Cr3+ on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. Ceramics International, 2018, 44, 15995-16004.	4.8	77
4	MÃ¶ssbauer Studies and Magnetic Properties of Cubic CuFe2O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 557-564.	1.8	74
5	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1057-1065.	1.8	72
6	Magneto-optical properties of Mn3+ substituted Fe3O4 nanoparticles. Ceramics International, 2015, 41, 10915-10922.	4.8	68
7	The Temperature Effect on Magnetic Properties of NiFe2O4 Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1587-1597.	3.7	62
8	Fe3O4@Nico-Ag magnetically recyclable nanocatalyst for azo dyes reduction. Applied Surface Science, 2016, 363, 66-73.	6.1	56
9	Effect of Annealing Temperature on Magnetic and MÃ¶ssbauer Properties of ZnFe2O4 Nanoparticles by Sol-gel Approach. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3347-3356.	1.8	51
10	Magneto-optical properties of BaCryFe12â^'yO19 (0.0â€¯â‰¤â€¯yâ€¯â‰¤â€¯1.0) hexaferrites. Journal of Magnetism and Magnetic Materials, 2018, 451, 463-472.	2.3	51
11	Magneto Optical Properties of FeBxFe2â^'xO4 Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1111-1119.	3.7	40
12	MnFe2O4@PANI@Ag Heterogeneous Nanocatalyst for Degradation of Industrial Aqueous Organic Pollutants. Journal of Materials Science and Technology, 2016, 32, 134-141.	10.7	38
13	Preparation and characterization of SPION functionalized via caffeic acid. Journal of Magnetism and Magnetic Materials, 2015, 395, 199-204.	2.3	34
14	Synthesis and characterization of oleylamine capped MnxFe1-xFe2O4 nanocomposite: Magneto-optical properties, cation distribution and hyperfine interactions. Journal of Alloys and Compounds, 2016, 688, 675-686.	5.5	34
15	Synthesis and Characterization of CoxZn1â^'xAlFeO4 Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 747-754.	3.7	33
16	Magneto Optical Properties and Hyperfine Interactions of Cr3+ Ion Substituted Copper Ferrite Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2533-2544.	3.7	32
17	Magnetic properties and MÃ¶ssbauer spectroscopy of Cu-Mn substituted BaFe12O19 hexaferrites. Ceramics International, 2017, 43, 15486-15492.	4.8	31
18	Magneto-optical and catalytic properties of Fe3O4@HA@Ag magnetic nanocomposite. Journal of Magnetism and Magnetic Materials, 2017, 421, 462-471.	2.3	31

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19	A Fe3O4@Nico@Ag nanocatalyst for the hydrogenation of nitroaromatics. Chinese Journal of Catalysis, 2015, 36, 705-711.	14.0	30
20	Synthesis and application of magnetically recyclable nanocatalyst Fe3O4@Nico@Cu in the reduction of azo dyes. Chinese Journal of Catalysis, 2015, 36, 1280-1286.	14.0	30
21	Polyol synthesis of Mn3+ substituted Fe3O4 nanoparticles: Cation distribution, structural and electrical properties. Superlattices and Microstructures, 2015, 85, 747-760.	3.1	29
22	Electrical properties and hyperfine interactions of boron doped Fe3O4 nanoparticles. Superlattices and Microstructures, 2015, 88, 450-466.	3.1	28
23	Photocatalytic Degradation of Azo Dyes and Organic Contaminants in Wastewater Using Magnetically Recyclable Fe3O4@UA-Cu Nano-catalyst. Catalysis Letters, 2018, 148, 1130-1141.	2.6	25
24	Magneto-optical properties and MÃ¶ssbauer Investigation of Ba x Sr y Pb z Fe 12 O 19 Hexaferrites. Ceramics International, 2017, 43, 3475-3482.	4.8	23
25	Magnetic and Catalytic Properties of Cu x Fe1âˆ’x Fe2O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2447-2454.	1.8	22
26	Magneto-optical investigation and hyperfine interactions of copper substituted Fe3O4 nanoparticles. Ceramics International, 2016, 42, 5650-5658.	4.8	22
27	Electrical and Dielectric Properties of Y3+-Substituted Barium Hexaferrites. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1813-1826.	1.8	20
28	Magnetic Properties and Cation Distribution of Bimetallic (Mnâ€“Co) Doped NiFe2O4 Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1893-1900.	3.7	19
29	Fe3O4@Hpipe-4@Cu Nanocatalyst for Hydrogenation of Nitro-Aromatics and Azo Dyes. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1120-1128.	3.7	18
30	Synthesis and Structural and Magnetic Characterization of BaZn x Fe12âˆ’x O19 Hexaferrite: Hyperfine Interactions. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1585-1592.	1.8	18
31	Magnetic properties and hyperfine interactions of Co1-2xNixMnxFe2O4 nanoparticles. Ceramics International, 2017, 43, 4746-4752.	4.8	16
32	Sensitive Determination of 6-Thioguanine Using Caffeic Acid-functionalized Fe3O4 Nanoparticles as an Electrochemical Sensor. Journal of Electronic Materials, 2018, 47, 2198-2208.	2.2	14
33	Microwave Assisted Synthesis and Characterization of CoxZn1âˆ’xCr0.5Fe0.5O4 Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 619-626.	3.7	13
34	Enhanced antibacterial performance of Fe3O4â€“Ag and MnFe2O4â€“Ag nanocomposites. Bulletin of Materials Science, 2017, 40, 147-155.	1.7	13
35	MÃ¶ssbauer Analysis and Cation Distribution of Zn Substituted BaFe12O19 Hexaferrites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 151-156.	1.8	13
36	Development of highly active, chemically stable and recyclable magnetic nanophotocatalyst based on plasmonic silver nanoparticles and photosensitive transâ€3â€(transâ€4â€imidazolyl) acrylic acid molecules. Applied Organometallic Chemistry, 2021, 35, e6229.	3.5	13

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37	Magnetically Recyclable Fe₃O₄@His@Cu Nanocatalyst for Degradation of Azo Dyes. Journal of Nanoscience and Nanotechnology, 2016, 16, 2548-2556.	0.9	12
38	Concentration and temperature-dependent magnetic properties of Ba1â^'xZnxFe12O19 hexaferrites. Ceramics International, 2018, 44, 988-992.	4.8	12
39	Electrical Properties of Cu Substituted Fe3O4 Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 389-400.	1.8	11
40	Temperature and Frequency Dependence on Electrical Properties of Fe3O4@ Caffeic Acid Nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 190-196.	3.7	11
41	Structural, Optical and MÃ¶ssbauer Study of Ba1â€‰â^'â€‰xCuxFe12O19 (0.5â€‰â‰¤â€‰x) Nano Hexaferrites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1446-1456.	3.7	11
42	Synthesis and Characterization of Cuâ€“Mn Substituted SrFe12O19 Hexaferrites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 212-222.	3.7	9
43	Development of Novel Nano-ZnO Enhanced Polymeric Membranes for Water Purification. Journal of Inorganic and Organometallic Polymers and Materials, 2019, 29, 979-988.	3.7	9
44	SPION@APTES@FA-PEG@Usnic Acid Bionanodrug for Cancer Therapy. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1395-1401.	1.8	8
45	Acetylsalicylic acid assisted hydrothermal growth of NiO, CuO and Co3O4 nanostructures and their application in the electro-catalytic determination of nalbuphine hydrochloride. Journal of Electroanalytical Chemistry, 2017, 807, 137-144.	3.8	6
46	Oleylamine surface functionalized FeCo Fe2â^'O4 (0.0 â©½yâ©½ 1.0) nanoparticles. Arabian Journal of Chemistry, 2019, 12, 4971-4981.	4.9	5
47	Polishing performance of a magnetic nanoparticle-based nanoabrasive for superfinish optical surfaces. Applied Optics, 2022, 61, 5179.	1.8	4
48	Magnetic Properties of FeMnyCoyFe2â^'2yO4@Oleylamine Nanocomposite with Cation Distribution. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1740-1749.	3.7	3
49	Adsorption of industrial Acid Red 114 onto Fe3O4@Histidine magnetic nanocomposite. , 0, 60, 262-268.		2
50	Development of High Performance SPION Polishing Slurry for Precision Optical Polishing. , 2021, , .		2
51	Polishing performance of magnetic nanocomposites based nanoabrasive. Materials Today: Proceedings, 2022, 56, 549-554.	1.8	2
52	Development of Tungsten Carbide Mold by Diamond Turning Process. , 2021, , .		0