

# MD Amir

## List of Publications by Year in descending order

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52  
papers

1,448  
citations

279487

23  
h-index

344852

36  
g-index

52  
all docs

52  
docs citations

52  
times ranked

1390  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of magnetically recyclable MnFe <sub>2</sub> O <sub>4</sub> @SiO <sub>2</sub> @Ag nanocatalyst: Its high catalytic performances for azo dyes and nitro compounds reduction. Applied Surface Science, 2016, 376, 16-25.	3.1	110
2	Rapid color degradation of organic dyes by Fe <sub>3</sub> O <sub>4</sub> @His@Ag recyclable magnetic nanocatalyst. Journal of Industrial and Engineering Chemistry, 2015, 27, 347-353.	2.9	81
3	Substitution effect of Cr <sup>3+</sup> on hyperfine interactions, magnetic and optical properties of Sr-hexaferrites. Ceramics International, 2018, 44, 15995-16004.	2.3	77
4	Mössbauer Studies and Magnetic Properties of Cubic CuFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2019, 32, 557-564.	0.8	74
5	Microstructural, Optical, and Magnetic Properties of Vanadium-Substituted Nickel Spinel Nanoferrites. Journal of Superconductivity and Novel Magnetism, 2019, 32, 1057-1065.	0.8	72
6	Magneto-optical properties of Mn <sup>3+</sup> substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Ceramics International, 2015, 41, 10915-10922.	2.3	68
7	The Temperature Effect on Magnetic Properties of NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1587-1597.	1.9	62
8	Fe <sub>3</sub> O <sub>4</sub> @NiCo-Ag magnetically recyclable nanocatalyst for azo dyes reduction. Applied Surface Science, 2016, 363, 66-73.	3.1	56
9	Effect of Annealing Temperature on Magnetic and Mössbauer Properties of ZnFe <sub>2</sub> O <sub>4</sub> Nanoparticles by Sol-gel Approach. Journal of Superconductivity and Novel Magnetism, 2018, 31, 3347-3356.	0.8	51
10	Magneto-optical properties of BaCr <sub>1/2</sub> Fe <sub>11/2</sub> O <sub>19</sub> (0.0 ≤ x ≤ 1.0) hexaferrites. Journal of Magnetism and Magnetic Materials, 2018, 451, 463-472.	1.0	51
11	Magneto Optical Properties of Fe <sub>x</sub> Fe <sub>2-x</sub> O <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1111-1119.	1.9	40
12	MnFe <sub>2</sub> O <sub>4</sub> @PANI@Ag Heterogeneous Nanocatalyst for Degradation of Industrial Aqueous Organic Pollutants. Journal of Materials Science and Technology, 2016, 32, 134-141.	5.6	38
13	Preparation and characterization of SPION functionalized via caffeic acid. Journal of Magnetism and Magnetic Materials, 2015, 395, 199-204.	1.0	34
14	Synthesis and characterization of oleylamine capped Mn <sub>x</sub> Fe <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> nanocomposite: Magneto-optical properties, cation distribution and hyperfine interactions. Journal of Alloys and Compounds, 2016, 688, 675-686.	2.8	34
15	Synthesis and Characterization of Co <sub>x</sub> Zn <sub>1-x</sub> AlFeO <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 747-754.	1.9	33
16	Magneto Optical Properties and Hyperfine Interactions of Cr <sup>3+</sup> Ion Substituted Copper Ferrite Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 2533-2544.	1.9	32
17	Magnetic properties and Mössbauer spectroscopy of Cu-Mn substituted BaFe <sub>12</sub> O <sub>19</sub> hexaferrites. Ceramics International, 2017, 43, 15486-15492.	2.3	31
18	Magneto-optical and catalytic properties of Fe <sub>3</sub> O <sub>4</sub> @HA@Ag magnetic nanocomposite. Journal of Magnetism and Magnetic Materials, 2017, 421, 462-471.	1.0	31

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19	A Fe <sub>3</sub> O <sub>4</sub> @NiCo@Ag nanocatalyst for the hydrogenation of nitroaromatics. Chinese Journal of Catalysis, 2015, 36, 705-711.	6.9	30
20	Synthesis and application of magnetically recyclable nanocatalyst Fe <sub>3</sub> O <sub>4</sub> @NiCo@Cu in the reduction of azo dyes. Chinese Journal of Catalysis, 2015, 36, 1280-1286.	6.9	30
21	Polyol synthesis of Mn <sup>3+</sup> substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles: Cation distribution, structural and electrical properties. Superlattices and Microstructures, 2015, 85, 747-760.	1.4	29
22	Electrical properties and hyperfine interactions of boron doped Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Superlattices and Microstructures, 2015, 88, 450-466.	1.4	28
23	Photocatalytic Degradation of Azo Dyes and Organic Contaminants in Wastewater Using Magnetically Recyclable Fe <sub>3</sub> O <sub>4</sub> @UA-Cu Nano-catalyst. Catalysis Letters, 2018, 148, 1130-1141.	1.4	25
24	Magneto-optical properties and Mössbauer Investigation of Ba <sub>x</sub> Sr <sub>y</sub> Pb <sub>z</sub> Fe <sub>12</sub> O <sub>19</sub> Hexaferrites. Ceramics International, 2017, 43, 3475-3482.	2.3	23
25	Magnetic and Catalytic Properties of Cu <sub>x</sub> Fe <sub>1-x</sub> Fe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2015, 28, 2447-2454.	0.8	22
26	Magneto-optical investigation and hyperfine interactions of copper substituted Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Ceramics International, 2016, 42, 5650-5658.	2.3	22
27	Electrical and Dielectric Properties of Y <sup>3+</sup> -Substituted Barium Hexaferrites. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1813-1826.	0.8	20
28	Magnetic Properties and Cation Distribution of Bimetallic (Mn-Co) Doped NiFe <sub>2</sub> O <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1893-1900.	1.9	19
29	Fe <sub>3</sub> O <sub>4</sub> @HPIPE-4@Cu Nanocatalyst for Hydrogenation of Nitro-Aromatics and Azo Dyes. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 1120-1128.	1.9	18
30	Synthesis and Structural and Magnetic Characterization of BaZn <sub>x</sub> Fe <sub>12-x</sub> O <sub>19</sub> Hexaferrite: Hyperfine Interactions. Journal of Superconductivity and Novel Magnetism, 2017, 30, 1585-1592.	0.8	18
31	Magnetic properties and hyperfine interactions of Co <sub>1-2x</sub> Ni <sub>x</sub> Mn <sub>x</sub> Fe <sub>2</sub> O <sub>4</sub> nanoparticles. Ceramics International, 2017, 43, 4746-4752.	2.3	16
32	Sensitive Determination of 6-Thioguanine Using Caffeic Acid-functionalized Fe <sub>3</sub> O <sub>4</sub> Nanoparticles as an Electrochemical Sensor. Journal of Electronic Materials, 2018, 47, 2198-2208.	1.0	14
33	Microwave Assisted Synthesis and Characterization of Co <sub>x</sub> Zn <sub>1-x</sub> Cr <sub>0.5</sub> Fe <sub>0.5</sub> O <sub>4</sub> Nanoparticles. Journal of Inorganic and Organometallic Polymers and Materials, 2015, 25, 619-626.	1.9	13
34	Enhanced antibacterial performance of Fe <sub>3</sub> O <sub>4</sub> @Ag and MnFe <sub>2</sub> O <sub>4</sub> @Ag nanocomposites. Bulletin of Materials Science, 2017, 40, 147-155.	0.8	13
35	Mössbauer Analysis and Cation Distribution of Zn Substituted BaFe <sub>12</sub> O <sub>19</sub> Hexaferrites. Journal of Superconductivity and Novel Magnetism, 2018, 31, 151-156.	0.8	13
36	Development of highly active, chemically stable and recyclable magnetic nanophotocatalyst based on plasmonic silver nanoparticles and photosensitive trans-ε-(trans-ε-midazolyl) acrylic acid molecules. Applied Organometallic Chemistry, 2021, 35, e6229.	1.7	13

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37	Magnetically Recyclable Fe <sub>3</sub> O <sub>4</sub> @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 Ba <sub>1-x</sub> Zn <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> hexaferrites. Ceramics International, 2018, 44, 988-992.	2.3	12
39	Electrical Properties of Cu Substituted Fe <sub>3</sub> O <sub>4</sub> Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 389-400.	0.8	11
40	Temperature and Frequency Dependence on Electrical Properties of Fe <sub>3</sub> O <sub>4</sub> @ Caffeic Acid Nanocomposite. Journal of Inorganic and Organometallic Polymers and Materials, 2016, 26, 190-196.	1.9	11
41	Structural, Optical and Mössbauer Study of Ba <sub>1-x</sub> Cu <sub>x</sub> Fe <sub>12</sub> O <sub>19</sub> (0.5 ≤ x ≤ 1.0) Nano Hexaferrites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 1446-1456.	1.9	11
42	Synthesis and Characterization of Cu-Mn Substituted SrFe <sub>12</sub> O <sub>19</sub> Hexaferrites. Journal of Inorganic and Organometallic Polymers and Materials, 2018, 28, 212-222.	1.9	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.	1.9	9
44	SPION@APTES@FA-PEG@Usnic Acid Bionanodrug for Cancer Therapy. Journal of Superconductivity and Novel Magnetism, 2018, 31, 1395-1401.	0.8	8
45	Acetylsalicylic acid assisted hydrothermal growth of NiO, CuO and Co <sub>3</sub> O <sub>4</sub> nanostructures and their application in the electro-catalytic determination of nalbuphine hydrochloride. Journal of Electroanalytical Chemistry, 2017, 807, 137-144.	1.9	6
46	Oleylamine surface functionalized FeCo Fe <sub>2</sub> O <sub>4</sub> (0.0 ≤ x ≤ 1.0) nanoparticles. Arabian Journal of Chemistry, 2019, 12, 4971-4981.	2.3	5
47	Polishing performance of a magnetic nanoparticle-based nanoabrasive for superfinish optical surfaces. Applied Optics, 2022, 61, 5179.	0.9	4
48	Magnetic Properties of FeMn <sub>y</sub> Co <sub>y</sub> Fe <sub>2</sub> O <sub>4</sub> @Oleylamine Nanocomposite with Cation Distribution. Journal of Inorganic and Organometallic Polymers and Materials, 2017, 27, 1740-1749.	1.9	3
49	Adsorption of industrial Acid Red 114 onto Fe <sub>3</sub> O <sub>4</sub> @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.	0.9	2
52	Development of Tungsten Carbide Mold by Diamond Turning Process. , 2021, , .		0