Justin R Joseyphus

List of Publications by Year
in descending order

64	1,884	304602 22	254106 43
papers	citations	h-index	g-index

64	64	64	2343
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Unusually high coercivity and critical single-domain size of nearly monodispersed CoFe2O4 nanoparticles. Applied Physics Letters, 2003, 83, 2862-2864.	1.5	256
2	Chemical Synthesis of Sub-micrometer- to Nanometer-Sized Magnetic FeCo Dice. Advanced Materials, 2006, 18, 3154-3159.	11.1	131
3	Grain size effect on the NÃ©el temperature and magnetic properties of nanocrystalline NiFe2O4 spinel. Journal of Magnetism and Magnetic Materials, 2002, 238, 281-287.	1.0	115
4	Investigations on the properties of pure and rare earth modified bismuth ferrite ceramics. Journal of Alloys and Compounds, 2010, 493, 569-572.	2.8	107
5	Role of polyol in the synthesis of Fe particles. Journal of Magnetism and Magnetic Materials, 2007, 310, 2393-2395.	1.0	102
6	Designed synthesis of cobalt and its alloys by polyol process. Journal of Solid State Chemistry, 2007, 180, 3008-3018.	1.4	99
7	Size controlled Fe nanoparticles through polyol process and their magnetic properties. Materials Chemistry and Physics, 2010, 123, 487-493.	2.0	96
8	Structural and optical properties of europium doped yttrium oxide nanoparticles for phosphor applications. Journal of Alloys and Compounds, 2010, 496, 472-477.	2.8	93
9	Dielectric relaxation behaviour of nanostructured Mnâ€“Zn ferrite. Journal Physics D: Applied Physics, 2008, 41, 245001.	1.3	70
10	Synthesis of magnetite nanoparticles for AC magnetic heating. Journal of Magnetism and Magnetic Materials, 2009, 321, 3019-3023.	1.0	68
11	Synthesis and magnetic properties of the size-controlled Mnâ€“Zn ferrite nanoparticles by oxidation method. Journal of Physics and Chemistry of Solids, 2006, 67, 1510-1517.	1.9	67
12	Synthesis and magnetic properties of flower-like FeCo particles through a one pot polyol process. Journal of Colloid and Interface Science, 2013, 404, 49-55.	5.0	58
13	Facile synthesized novel hybrid graphene oxide/cobalt ferrite magnetic nanoparticles based surface coating material inhibit bacterial secretion pathway for antibacterial effect. Materials Science and Engineering C, 2019, 104, 109932.	3.8	52
14	Tailoring the morphology and size of perovskite BiFeO3 nanostructures for enhanced magnetic and electrical properties. Materials and Design, 2020, 192, 108694.	3.3	46
15	Ferrimagnetic ordering in nanostructured CdFe2O4 spinel. Journal of Applied Physics, 2001, 90, 527-529.	1.1	45
16	Magnetic properties of prussian blue modified Fe3O4 nanocubes. Journal of Physics and Chemistry of Solids, 2013, 74, 1761-1768.	1.9	36
17	Effect of mechanical milling on the magnetic properties of garnets. Journal of Magnetism and Magnetic Materials, 2006, 296, 57-64.	1.0	34
18	Evaluation of tempering behaviour in modified 9Crâ€“1Mo steel by magnetic non-destructive techniques. Journal of Materials Processing Technology, 2010, 210, 669-674.	3.1	29

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19	Crystallization kinetics of Nd-substituted yttrium iron garnet prepared through solâ€“gel auto-combustion method. Ceramics International, 2012, 38, 2369-2373.	2.3	29
20	Structure and magnetic properties of nanocrystalline ferrimagnetic CdFe 2 O 4 spinel. Scripta Materialia, 2001, 44, 1411-1415.	2.6	28
21	ESTIMATION OF LATTICE STRAIN, STRESS, ENERGY DENSITY AND CRYSTALLITE SIZE OF THE SPHERICAL YTTRIUM OXIDE NANOPARTICLES. Functional Materials Letters, 2009, 02, 131-134.	0.7	25
22	Magnetic properties of FeCo alloy nanoparticles synthesized through instant chemical reduction. Journal of Applied Physics, 2016, 120, .	1.1	24
23	Possible magnetic phase separation in Ru-doped La0.67Ca0.33MnO3. Journal of Magnetism and Magnetic Materials, 2003, 257, 195-205.	1.0	19
24	Mechanochemical decomposition of Gd3Fe5O12 garnet phase. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 2257-2259.	1.0	16
25	Synthesis and magnetic properties of prussian blue modified Fe nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 345, 100-105.	1.0	16
26	Factors affecting the heating efficiency of Mn-doped Fe3O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2020, 512, 166992.	1.0	15
27	Residual Stress Analysis in Surface Mechanical Attrition Treated (SMAT) Iron and Steel Component Materials by Magnetic Barkhausen Emission Technique. IEEE Transactions on Magnetics, 2012, 48, 4713-4717.	1.2	14
28	Role of magnetic anisotropy on the heating mechanism of Co-doped Fe3O4 nanoparticles. Physica B: Condensed Matter, 2020, 598, 412429.	1.3	14
29	Prussian blue modified Fe3O4 nanoparticles for Cs detoxification. Journal of Materials Science, 2014, 49, 7014-7022.	1.7	13
30	Magnetic properties of metastable bcc phase in Fe64Ni36 alloy synthesized through polyol process. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	1.1	13
31	Positron Annihilation Studies on Chemically Synthesized FeCo Alloy. Scientific Reports, 2018, 8, 9764.	1.6	13
32	Low temperature synthesis of ITO nanoparticles using polyol process. Journal of Physics and Chemistry of Solids, 2011, 72, 1212-1217.	1.9	12
33	Composition controlled synthesis of fcc-FePt nanoparticles using a modified polyol process. Journal of Materials Science, 2008, 43, 2402-2406.	1.7	10
34	Thermal kinetic analysis of mustard biomass with equiatomic ironâ€“nickel catalyst and its predictive modeling. Chemosphere, 2022, 286, 131901.	4.2	10
35	Dipolar and exchange couplings in Nd2Fe14B/Î±-Fe ribbons. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3489-3494.	0.8	9
36	Exchange Bias in Chemically Reduced FeCo Alloy Nanostructures. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900051.	0.8	9

#	Article	IF	Citations
37	Coercivity and exchange bias in size reduced iron obtained through chemical reduction. Journal of Magnetism and Magnetic Materials, 2020, 513, 167228.	1.0	9
38	Morphology and magnetic properties of FeCo alloy synthesized through polyol process. Applied Nanoscience (Switzerland), 2020, 10, 477-483.	1.6	8
39	Comment on papers â€œEffect of Ag substitution on the transport property and magnetoresistance of LaMnO3â€•[J. Magn. Magn. Mater. 248 (2002) 26] and â€œPossible magnetic phase separation in Ru-doped La0.67Ca0.33O3â€•[J. Magn. Magn. Mater. 257 (2003) 195]. Journal of Magnetism and Magnetic Materials, 2004, 270, 237-240.	1.0	7
40	Magnetic Properties of Mechanically Milled Sm-Co Permanent Magnetic Materials with the TbCu₇ Structure. Materials Transactions, 2006, 47, 2264-2268.	0.4	7
41	Evolution of High Coercivity in CoPt Nanoparticles Through Nitrogen Assisted Annealing. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2123-2130.	0.8	7
42	Magnetic properties of FeCo-iron oxide coreâ€“shell nanoparticles investigated through first order reversal studies. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	6
43	Comprehensive Lawâ€ofâ€Approachâ€toâ€Saturation for the Determination of Magnetic Anisotropy in Soft Magnetic Materials. Physica Status Solidi (B): Basic Research, 2022, 259, .	0.7	6
44	Heating characteristics of dextran modified magnetite nanoparticles by infrared thermography. Materials Research Express, 2019, 6, 015045.	0.8	5
45	Magnetic properties of interacting CoPt nanoparticles synthesized through polyol process. Materials Chemistry and Physics, 2015, 154, 53-59.	2.0	4
46	Insights on the Heating Characteristics of Mn and Co Ferrites. International Journal of Thermophysics, 2021, 42, 1.	1.0	4
47	Prussian blue modified FePt nanoparticles for the electrochemical reduction of H2O2. Ionics, 2016, 22, 877-883.	1.2	3
48	Surface Modification of Highly Magnetic Nanoparticles for Water Treatment to Remove Radioactive Toxins. Environmental Chemistry for A Sustainable World, 2020, , 31-54.	0.3	3
49	Influence of Annealing Parameters on the Magnetic Properties of CoPt Nanoparticles. Science of Advanced Materials, 2014, 6, 1792-1798.	0.1	3
50	Temperature Sensitivity of Magnetic Nanoparticle Hyperthermia Using IR Thermography. International Journal of Nanoscience, 2021, 20, 2150002.	0.4	3
51	Superparamagnetic Particle Size Limit of Mn-Zn Ferrite Nanoparticles Synthesised Through Aqueous Method. AIP Conference Proceedings, 2006, , .	0.3	2
52	Evaluation of Polyol Reduction for Wet Synthesis of Metal Nanoparticles. Electrochemistry, 2007, 75, 969-975.	0.6	2
53	Enhanced coercivity in non-equiatomic CoPt-Cu nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 471, 475-481.	1.0	2
54	Structure and Magnetic Properties of Pulsed Electrodeposited Nickelâ€“Indium Alloy. Physica Status Solidi (B): Basic Research, 2021, 258, 2000563.	0.7	2

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55	Enhanced Curie Temperature and Critical Exponents of Fe… Substituted NiCu Alloy. Physica Status Solidi (A) Applications and Materials Science, 2021, 218, 2100050.	0.8	2
56	Autocombustion Synthesis of Nanocrystalline Gadolinium Iron Garnet. Nanoscience and Nanotechnology Letters, 2011, 3, 463-467.	0.4	2
57	Structural, magnetic and electrochemical studies on LiCo0.5Fe0.5O2. Ionics, 2007, 12, 371-378.	1.2	1
58	Studies on the exchange and dipolar couplings in Nd₂Fe₁₄B/Î±-Fe. International Journal of Materials Research, 2008, 99, 70-74.	0.1	1
59	Effect of microstructure parameter on the energy product in two-phase permanent magnetic materials. Modern Physics Letters B, 2019, 33, 1950025.	1.0	1
60	Micro-Flow Visualization of Magnetic Nanoparticles for Biomedical Applications. , 2012, , 600-612.		1
61	Influence of magnetic properties on electrochemical activity of LiNi0.5Fe0.5O2. Journal of Power Sources, 2006, 156, 598-603.	4.0	0
62	Aqueous Synthesis of Non-superparamagnetic MnFe2O4 Nanoparticles and their Magnetic Properties. AIP Conference Proceedings, 2007, , .	0.3	0
63	Magnetic Nanoparticle Flow Characteristics in a Microchannel for Drug Delivery Applications. , 2011, , .		0
64	Synthesis and Properties of Gold Coated Magnetic Nanoparticles. , 2012, , .		0