

Justin R Joseyphus

List of Publications by Year in descending order

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64
papers

1,884
citations

304602

22
h-index

254106

43
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64
all docs

64
docs citations

64
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal kinetic analysis of mustard biomass with equiatomic iron-nickel catalyst and its predictive modeling. <i>Chemosphere</i> , 2022, 286, 131901.	4.2	10
2	Comprehensive Law of Approach to Saturation for the Determination of Magnetic Anisotropy in Soft Magnetic Materials. <i>Physica Status Solidi (B): Basic Research</i> , 2022, 259, .	0.7	6
3	Insights on the Heating Characteristics of Mn and Co Ferrites. <i>International Journal of Thermophysics</i> , 2021, 42, 1.	1.0	4
4	Structure and Magnetic Properties of Pulsed Electrodeposited Nickel-Indium Alloy. <i>Physica Status Solidi (B): Basic Research</i> , 2021, 258, 2000563.	0.7	2
5	Magnetic properties of FeCo-iron oxide core-shell nanoparticles investigated through first order reversal studies. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	1.1	6
6	Enhanced Curie Temperature and Critical Exponents of Fe-Substituted NiCu Alloy. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2021, 218, 2100050.	0.8	2
7	Temperature Sensitivity of Magnetic Nanoparticle Hyperthermia Using IR Thermography. <i>International Journal of Nanoscience</i> , 2021, 20, 2150002.	0.4	3
8	Morphology and magnetic properties of FeCo alloy synthesized through polyol process. <i>Applied Nanoscience (Switzerland)</i> , 2020, 10, 477-483.	1.6	8
9	Surface Modification of Highly Magnetic Nanoparticles for Water Treatment to Remove Radioactive Toxins. <i>Environmental Chemistry for A Sustainable World</i> , 2020, , 31-54.	0.3	3
10	Coercivity and exchange bias in size reduced iron obtained through chemical reduction. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167228.	1.0	9
11	Role of magnetic anisotropy on the heating mechanism of Co-doped Fe ₃ O ₄ nanoparticles. <i>Physica B: Condensed Matter</i> , 2020, 598, 412429.	1.3	14
12	Magnetic properties of metastable bcc phase in Fe ₆₄ Ni ₃₆ alloy synthesized through polyol process. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	13
13	Tailoring the morphology and size of perovskite BiFeO ₃ nanostructures for enhanced magnetic and electrical properties. <i>Materials and Design</i> , 2020, 192, 108694.	3.3	46
14	Factors affecting the heating efficiency of Mn-doped Fe ₃ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 512, 166992.	1.0	15
15	Facile synthesized novel hybrid graphene oxide/cobalt ferrite magnetic nanoparticles based surface coating material inhibit bacterial secretion pathway for antibacterial effect. <i>Materials Science and Engineering C</i> , 2019, 104, 109932.	3.8	52
16	Effect of microstructure parameter on the energy product in two-phase permanent magnetic materials. <i>Modern Physics Letters B</i> , 2019, 33, 1950025.	1.0	1
17	Exchange Bias in Chemically Reduced FeCo Alloy Nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900051.	0.8	9
18	Heating characteristics of dextran modified magnetite nanoparticles by infrared thermography. <i>Materials Research Express</i> , 2019, 6, 015045.	0.8	5

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19	Enhanced coercivity in non-equiatomic CoPt-Cu nanoparticles. Journal of Magnetism and Magnetic Materials, 2019, 471, 475-481.	1.0	2
20	Positron Annihilation Studies on Chemically Synthesized FeCo Alloy. Scientific Reports, 2018, 8, 9764.	1.6	13
21	Magnetic properties of FeCo alloy nanoparticles synthesized through instant chemical reduction. Journal of Applied Physics, 2016, 120, .	1.1	24
22	Prussian blue modified FePt nanoparticles for the electrochemical reduction of H ₂ O ₂ . Ionics, 2016, 22, 877-883.	1.2	3
23	Magnetic properties of interacting CoPt nanoparticles synthesized through polyol process. Materials Chemistry and Physics, 2015, 154, 53-59.	2.0	4
24	Evolution of High Coercivity in CoPt Nanoparticles Through Nitrogen Assisted Annealing. Journal of Superconductivity and Novel Magnetism, 2014, 27, 2123-2130.	0.8	7
25	Prussian blue modified Fe ₃ O ₄ nanoparticles for Cs detoxification. Journal of Materials Science, 2014, 49, 7014-7022.	1.7	13
26	Influence of Annealing Parameters on the Magnetic Properties of CoPt Nanoparticles. Science of Advanced Materials, 2014, 6, 1792-1798.	0.1	3
27	Synthesis and magnetic properties of prussian blue modified Fe nanoparticles. Journal of Magnetism and Magnetic Materials, 2013, 345, 100-105.	1.0	16
28	Magnetic properties of prussian blue modified Fe ₃ O ₄ nanocubes. Journal of Physics and Chemistry of Solids, 2013, 74, 1761-1768.	1.9	36
29	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
30	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
31	Synthesis and Properties of Gold Coated Magnetic Nanoparticles. , 2012, , .		0
32	Crystallization kinetics of Nd-substituted yttrium iron garnet prepared through sol-gel auto-combustion method. Ceramics International, 2012, 38, 2369-2373.	2.3	29
33	Micro-Flow Visualization of Magnetic Nanoparticles for Biomedical Applications. , 2012, , 600-612.		1
34	Low temperature synthesis of ITO nanoparticles using polyol process. Journal of Physics and Chemistry of Solids, 2011, 72, 1212-1217.	1.9	12
35	Magnetic Nanoparticle Flow Characteristics in a Microchannel for Drug Delivery Applications. , 2011, , .		0
36	Autocombustion Synthesis of Nanocrystalline Gadolinium Iron Garnet. Nanoscience and Nanotechnology Letters, 2011, 3, 463-467.	0.4	2

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37	Size controlled Fe nanoparticles through polyol process and their magnetic properties. Materials Chemistry and Physics, 2010, 123, 487-493.	2.0	96
38	Evaluation of tempering behaviour in modified 9Cr-1Mo steel by magnetic non-destructive techniques. Journal of Materials Processing Technology, 2010, 210, 669-674.	3.1	29
39	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
40	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
41	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
42	Synthesis of magnetite nanoparticles for AC magnetic heating. Journal of Magnetism and Magnetic Materials, 2009, 321, 3019-3023.	1.0	68
43	Composition controlled synthesis of fcc-FePt nanoparticles using a modified polyol process. Journal of Materials Science, 2008, 43, 2402-2406.	1.7	10
44	Dielectric relaxation behaviour of nanostructured Mn-Zn ferrite. Journal Physics D: Applied Physics, 2008, 41, 245001.	1.3	70
45	Studies on the exchange and dipolar couplings in Nd ₂ Fe ₁₄ B/±-Fe. International Journal of Materials Research, 2008, 99, 70-74.	0.1	1
46	Evaluation of Polyol Reduction for Wet Synthesis of Metal Nanoparticles. Electrochemistry, 2007, 75, 969-975.	0.6	2
47	Aqueous Synthesis of Non-superparamagnetic MnFe ₂ O ₄ Nanoparticles and their Magnetic Properties. AIP Conference Proceedings, 2007, , .	0.3	0
48	Designed synthesis of cobalt and its alloys by polyol process. Journal of Solid State Chemistry, 2007, 180, 3008-3018.	1.4	99
49	Role of polyol in the synthesis of Fe particles. Journal of Magnetism and Magnetic Materials, 2007, 310, 2393-2395.	1.0	102
50	Structural, magnetic and electrochemical studies on LiCo _{0.5} Fe _{0.5} O ₂ . Ionics, 2007, 12, 371-378.	1.2	1
51	Magnetic Properties of Mechanically Milled Sm-Co Permanent Magnetic Materials with the TbCu ₇ Structure. Materials Transactions, 2006, 47, 2264-2268.	0.4	7
52	Synthesis and magnetic properties of the size-controlled Mn-Zn ferrite nanoparticles by oxidation method. Journal of Physics and Chemistry of Solids, 2006, 67, 1510-1517.	1.9	67
53	Influence of magnetic properties on electrochemical activity of LiNi _{0.5} Fe _{0.5} O ₂ . Journal of Power Sources, 2006, 156, 598-603.	4.0	0
54	Effect of mechanical milling on the magnetic properties of garnets. Journal of Magnetism and Magnetic Materials, 2006, 296, 57-64.	1.0	34

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55	Chemical Synthesis of Sub-micrometer- to Nanometer-Sized Magnetic FeCo Dots. <i>Advanced Materials</i> , 2006, 18, 3154-3159.	11.1	131
56	Superparamagnetic Particle Size Limit of Mn-Zn Ferrite Nanoparticles Synthesised Through Aqueous Method. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	2
57	Mechanochemical decomposition of Gd ₃ Fe ₅ O ₁₂ garnet phase. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 2257-2259.	1.0	16
58	Dipolar and exchange couplings in Nd ₂ Fe ₁₄ B/Fe ribbons. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3489-3494.	0.8	9
59	Comment on papers "Effect of Ag substitution on the transport property and magnetoresistance of LaMnO ₃ " [<i>J. Magn. Magn. Mater.</i> 248 (2002) 26] and "Possible magnetic phase separation in Ru-doped La _{0.67} Ca _{0.33} O ₃ " [<i>J. Magn. Magn. Mater.</i> 257 (2003) 195]. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 270, 237-240.	1.0	7
60	Possible magnetic phase separation in Ru-doped La _{0.67} Ca _{0.33} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 257, 195-205.	1.0	19
61	Unusually high coercivity and critical single-domain size of nearly monodispersed CoFe ₂ O ₄ nanoparticles. <i>Applied Physics Letters</i> , 2003, 83, 2862-2864.	1.5	256
62	Grain size effect on the Néel temperature and magnetic properties of nanocrystalline NiFe ₂ O ₄ spinel. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 238, 281-287.	1.0	115
63	Ferrimagnetic ordering in nanostructured CdFe ₂ O ₄ spinel. <i>Journal of Applied Physics</i> , 2001, 90, 527-529.	1.1	45
64	Structure and magnetic properties of nanocrystalline ferrimagnetic CdFe ₂ O ₄ spinel. <i>Scripta Materialia</i> , 2001, 44, 1411-1415.	2.6	28