

Dipak Maity

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40
papers

1,957
citations

21
h-index

44
g-index

45
ext. papers

2,206
ext. citations

4.6
avg, IF

5.21
L-index

#	Paper	IF	Citations
40	Synthesis of iron oxide nanoparticles under oxidizing environment and their stabilization in aqueous and non-aqueous media. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 308, 46-55	2.8	457
39	Recent advances in superparamagnetic iron oxide nanoparticles (SPIONs) for in vitro and in vivo cancer nanotheranostics. <i>International Journal of Pharmaceutics</i> , 2015 , 496, 191-218	6.5	245
38	Studies of magnetite nanoparticles synthesized by thermal decomposition of iron (III) acetylacetonate in tri(ethylene glycol). <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 3093-3098	2.8	119
37	Synthesis of magnetite nanoparticles via a solvent-free thermal decomposition route. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1256-1259	2.8	99
36	Superparamagnetic iron oxide--loaded poly(lactic acid)-D-alpha-tocopherol polyethylene glycol 1000 succinate copolymer nanoparticles as MRI contrast agent. <i>Biomaterials</i> , 2010 , 31, 5588-97	15.6	95
35	Recent advances in thermoelectric materials and solar thermoelectric generators: a critical review. <i>RSC Advances</i> , 2014 , 4, 46860-46874	3.7	91
34	Multimodal tumor imaging by iron oxides and quantum dots formulated in poly (lactic acid)-D-alpha-tocopheryl polyethylene glycol 1000 succinate nanoparticles. <i>Biomaterials</i> , 2011 , 32, 2969-78	15.6	88
33	Functionalized Hydrophilic Superparamagnetic Iron Oxide Nanoparticles for Magnetic Fluid Hyperthermia Application in Liver Cancer Treatment. <i>ACS Omega</i> , 2018 , 3, 3991-4005	3.9	87
32	Vitamin E (D-alpha-tocopheryl-co-poly(ethylene glycol) 1000 succinate) micelles-superparamagnetic iron oxide nanoparticles for enhanced hyperthermia and MRI. <i>Biomaterials</i> , 2011 , 32, 5663-72	15.6	87
31	Novel synthesis of superparamagnetic magnetite nanoclusters for biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 14717		66
30	Terephthalic acid capped iron oxide nanoparticles for sensitive electrochemical detection of heavy metal ions in water. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 788, 91-98	4.1	58
29	Facile synthesis of water-stable magnetite nanoparticles for clinical MRI and magnetic hyperthermia applications. <i>Nanomedicine</i> , 2010 , 5, 1571-84	5.6	53
28	Systematic investigations on heating effects of carboxyl-amine functionalized superparamagnetic iron oxide nanoparticles (SPIONs) based ferrofluids for in vitro cancer hyperthermia therapy. <i>Journal of Molecular Liquids</i> , 2018 , 256, 224-237	6	48
27	Surface design of core-shell superparamagnetic iron oxide nanoparticles drives record relaxivity values in functional MRI contrast agents. <i>Chemical Communications</i> , 2012 , 48, 11398-400	5.8	45
26	SYNTHESIS OF MAGNETITE NANOPARTICLES BY THERMAL DECOMPOSITION: TIME, TEMPERATURE, SURFACTANT AND SOLVENT EFFECTS. <i>Functional Materials Letters</i> , 2008 , 01, 189-193	1.2	43
25	Systematic magnetic fluid hyperthermia studies of carboxyl functionalized hydrophilic superparamagnetic iron oxide nanoparticles based ferrofluids. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 534-543	9.3	39
24	Fe ₃ O ₄ -citrate-curcumin: Promising conjugates for superoxide scavenging, tumor suppression and cancer hyperthermia. <i>Journal of Applied Physics</i> , 2012 , 111, 064702	2.5	28

23	Experimental and theoretical analysis of a hybrid solar thermoelectric generator with forced convection cooling. <i>Journal Physics D: Applied Physics</i> , 2017 , 50, 015501	3	25
22	Polyol-based synthesis of hydrophilic magnetite nanoparticles. <i>Journal of Applied Physics</i> , 2010 , 107, 09B310	2.5	23
21	Facile synthesis of novel hydrophilic and carboxyl-amine functionalized superparamagnetic iron oxide nanoparticles for biomedical applications. <i>RSC Advances</i> , 2016 , 6, 99948-99959	3.7	22
20	One-pot synthesis of hydrophilic flower-shaped iron oxide nanoclusters (IONCs) based ferrofluids for magnetic fluid hyperthermia applications. <i>Journal of Molecular Liquids</i> , 2019 , 275, 699-712	6	22
19	One-step synthesis of hydrophilic functionalized and cytocompatible superparamagnetic iron oxide nanoparticles (SPIONs) based aqueous ferrofluids for biomedical applications. <i>Journal of Molecular Liquids</i> , 2019 , 274, 653-663	6	18
18	Novel E-conjugated iron oxide/reduced graphene oxide nanocomposites for high performance electrochemical supercapacitors. <i>RSC Advances</i> , 2017 , 7, 327-335	3.7	16
17	Multifunctional magnetic-polymeric nanoparticles based ferrofluids for multi-modal in vitro cancer treatment using thermotherapy and chemotherapy. <i>Journal of Molecular Liquids</i> , 2019 , 293, 111549	6	13
16	Performance analysis of a hybrid solar thermoelectric generator. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016 , 38, 2977-2984	1.6	9
15	Single and Dual Surfactants Coated Hydrophilic Superparamagnetic Iron Oxide Nanoparticles for Magnetic Fluid Hyperthermia Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 3991-3999	1.3	8
14	Multifunctional theranostic nanoparticles for biomedical cancer treatments - A comprehensive review. <i>Materials Science and Engineering C</i> , 2021 , 127, 112199	8.3	8
13	Superparamagnetic Iron Oxide Nanoparticles for Cancer Theranostic Applications 2019 , 245-276		7
12	ATA And TA Coated Superparamagnetic Iron Oxide Nanoparticles: Promising Candidates For Magnetic Hyperthermia Therapy. <i>Advanced Materials Letters</i> , 2017 , 8, 873-877	2.4	6
11	Synthesis and studies of APTES functionalized magnetite nanoparticles 2010 ,		5
10	ONE-POT SYNTHESIS OF HYDROPHILIC AND HYDROPHOBIC FERROFLUID. <i>International Journal of Nanoscience</i> , 2009 , 08, 65-69	0.6	5
9	Synthesis of hydrophilic superparamagnetic magnetite nanoparticles via thermal decomposition of Fe(acac) ₃ in 80 vol% TREG + 20 vol% TREM. <i>Journal of Nanoscience and Nanotechnology</i> , 2011 , 11, 2730-4 ¹⁻³		5
8	Symbiotic thermo-chemotherapy for enhanced HepG2 cancer treatment via magneto-drugs encapsulated polymeric nanocarriers. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020 , 606, 125355	5.1	5
7	SINGLE STEP SYNTHESIS OF HYDROPHOBIC AND HYDROPHILIC NANOPARTICLES VIA THERMAL DECOMPOSITION. <i>International Journal of Nanoscience</i> , 2011 , 10, 943-947	0.6	3
6	Superparamagnetic Iron Oxide Nanoparticle-Based Drug Delivery in Cancer Therapeutics 2020 , 129-151		3

5	Superparamagnetic Nanoparticles for Cancer Hyperthermia Treatment 2019 , 299-332		2
4	An innovative design of a tri-segmented parabolic trough solar thermoelectric receiver tube for multi-component energy conversion 2013 ,		1
3	Recent progress of nanomaterials in sustainable agricultural applications. <i>Journal of Materials Science</i> ,1	4.3	1
2	Biosynthesized zinc oxide nanoparticles using seed and bark extract of <i>Azadirachta indica</i> for antibacterial, photocatalytic and supercapacitor applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2022 , 282, 115789	3.1	1
1	Rod-shaped ZnO nanoparticles: synthesis, comparison and in vitro evaluation of their apoptotic activity in lung cancer cells. <i>Chemical Papers</i> ,1	1.9	0