Dipak Maity

List of Publications by Year in Descending Order

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	Biosynthesized zinc oxide nanoparticles using seed and bark extract of Azadirachta indica for antibacterial, photocatalytic and supercapacitor applications. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2022**, 282, 115789	3.1	1
39	Multifunctional theranostic nanoparticles for biomedical cancer treatments - A comprehensive review. *Materials Science and Engineering C*, **2021**, 127, 112199	8.3	8
38	Symbiotic thermo-chemotherapy for enhanced HepG2 cancer treatment via magneto-drugs encapsulated polymeric nanocarriers. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2020**, 606, 125355	5.1	5
37	Superparamagnetic Iron Oxide Nanoparticle-Based Drug Delivery in Cancer Therapeutics **2020**, 129-151		3
36	Single and Dual Surfactants Coated Hydrophilic Superparamagnetic Iron Oxide Nanoparticles for Magnetic Fluid Hyperthermia Applications. *Journal of Nanoscience and Nanotechnology*, **2019**, 19, 3991-3999	1.2	8
35	Multifunctional magnetic-polymeric nanoparticles based ferrofluids for multi-modal in vitro cancer treatment using thermotherapy and chemotherapy. *Journal of Molecular Liquids*, **2019**, 293, 111549	6	13
34	Superparamagnetic Iron Oxide Nanoparticles for Cancer Theranostic Applications **2019**, 245-276		7
33	Superparamagnetic Nanoparticles for Cancer Hyperthermia Treatment **2019**, 299-332		2
32	One-step synthesis of hydrophilic functionalized and cytocompatible superparamagnetic iron oxide nanoparticles (SPIONs) based aqueous ferrofluids for biomedical applications. *Journal of Molecular Liquids*, **2019**, 274, 653-663	6	18
31	One-pot synthesis of hydrophilic flower-shaped iron oxide nanoclusters (IONCs) based ferrofluids for magnetic fluid hyperthermia applications. *Journal of Molecular Liquids*, **2019**, 275, 699-712	6	22
30	Systematic investigations on heating effects of carboxyl-amine functionalized superparamagnetic iron oxide nanoparticles (SPIONs) based ferrofluids for in vitro cancer hyperthermia therapy. *Journal of Molecular Liquids*, **2018**, 256, 224-237	6	48
29	Functionalized Hydrophilic Superparamagnetic Iron Oxide Nanoparticles for Magnetic Fluid Hyperthermia Application in Liver Cancer Treatment. *ACS Omega*, **2018**, 3, 3991-4005	3.9	87
28	Systematic magnetic fluid hyperthermia studies of carboxyl functionalized hydrophilic superparamagnetic iron oxide nanoparticles based ferrofluids. *Journal of Colloid and Interface Science*, **2018**, 514, 534-543	9.3	39
27	Novel □conjugated iron oxide/reduced graphene oxide nanocomposites for high performance electrochemical supercapacitors. *RSC Advances*, **2017**, 7, 327-335	3.7	16
26	Terephthalic acid capped iron oxide nanoparticles for sensitive electrochemical detection of heavy metal ions in water. *Journal of Electroanalytical Chemistry*, **2017**, 788, 91-98	4.1	58
25	Experimental and theoretical analysis of a hybrid solar thermoelectric generator with forced convection cooling. *Journal Physics D: Applied Physics*, **2017**, 50, 015501	3	25
24	ATA And TA Coated Superparamagnetic Iron Oxide Nanoparticles: Promising Candidates For Magnetic Hyperthermia Therapy. *Advanced Materials Letters*, **2017**, 8, 873-877	2.4	6

23	Facile synthesis of novel hydrophilic and carboxyl-amine functionalized superparamagnetic iron oxide nanoparticles for biomedical applications. *RSC Advances*, **2016**, 6, 99948-99959	3.7	22
22	Performance analysis of a hybrid solar thermoelectric generator. *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, **2016**, 38, 2977-2984	1.6	9
21	Recent advances in superparamagnetic iron oxide nanoparticles (SPIONs) for in vitro and in vivo cancer nanotheranostics. *International Journal of Pharmaceutics*, **2015**, 496, 191-218	6.5	245
20	Recent advances in thermoelectric materials and solar thermoelectric generators – a critical review. *RSC Advances*, **2014**, 4, 46860-46874	3.7	91
19	An innovative design of a tri-segmented parabolic trough solar thermoelectric receiver tube for multi-component energy conversion **2013**,		1
18	Surface design of core-shell superparamagnetic iron oxide nanoparticles drives record relaxivity values in functional MRI contrast agents. *Chemical Communications*, **2012**, 48, 11398-400	5.8	45
17	Fe3O4-citrate-curcumin: Promising conjugates for superoxide scavenging, tumor suppression and cancer hyperthermia. *Journal of Applied Physics*, **2012**, 111, 064702	2.5	28
16	Novel synthesis of superparamagnetic magnetite nanoclusters for biomedical applications. *Journal of Materials Chemistry*, **2011**, 21, 14717		66
15	Multimodal tumor imaging by iron oxides and quantum dots formulated in poly (lactic acid)-D-alpha-tocopheryl polyethylene glycol 1000 succinate nanoparticles. *Biomaterials*, **2011**, 32, 2969-78	15.6	88
14	Vitamin E (D-alpha-tocopheryl-co-poly(ethylene glycol) 1000 succinate) micelles-superparamagnetic iron oxide nanoparticles for enhanced thermotherapy and MRI. *Biomaterials*, **2011**, 32, 5663-72	15.6	87
13	Synthesis of hydrophilic superparamagnetic magnetite nanoparticles via thermal decomposition of Fe(acac), in 80 vol% TREG + 20 vol% TREM. *Journal of Nanoscience and Nanotechnology*, **2011**, 11, 2730-4	1.3	5
12	SINGLE STEP SYNTHESIS OF HYDROPHOBIC AND HYDROPHILIC NANOPARTICLES VIA THERMAL DECOMPOSITION. *International Journal of Nanoscience*, **2011**, 10, 943-947	0.6	3
11	Polyol-based synthesis of hydrophilic magnetite nanoparticles. *Journal of Applied Physics*, **2010**, 107, 09B310	2.5	23
10	Facile synthesis of water-stable magnetite nanoparticles for clinical MRI and magnetic hyperthermia applications. *Nanomedicine*, **2010**, 5, 1571-84	5.6	53
9	Synthesis and studies of APTES functionalized magnetite nanoparticles **2010**,		5
8	Superparamagnetic iron oxide--loaded poly(lactic acid)-D-alpha-tocopherol polyethylene glycol 1000 succinate copolymer nanoparticles as MRI contrast agent. *Biomaterials*, **2010**, 31, 5588-97	15.6	95
7	ONE-POT SYNTHESIS OF HYDROPHILIC AND HYDROPHOBIC FERROFLUID. *International Journal of Nanoscience*, **2009**, 08, 65-69	0.6	5
6	Synthesis of magnetite nanoparticles via a solvent-free thermal decomposition route. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1256-1259	2.8	99

5	Studies of magnetite nanoparticles synthesized by thermal decomposition of iron (III) acetylacetonate in tri(ethylene glycol). *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 3093-3098	2.8	119
4	SYNTHESIS OF MAGNETITE NANOPARTICLES BY THERMAL DECOMPOSITION: TIME, TEMPERATURE, SURFACTANT AND SOLVENT EFFECTS. *Functional Materials Letters*, **2008**, 01, 189-193	1.2	43
3	Synthesis of iron oxide nanoparticles under oxidizing environment and their stabilization in aqueous and non-aqueous media. *Journal of Magnetism and Magnetic Materials*, **2007**, 308, 46-55	2.8	457
2	Rod-shaped ZnO nanoparticles: synthesis, comparison and in vitro evaluation of their apoptotic activity in lung cancer cells. *Chemical Papers*,1	1.9	0
1	Recent progress of nanomaterials in sustainable agricultural applications. *Journal of Materials Science*,1	4.3	1