

Vishwajeet M Khot

List of Publications by Year in descending order

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29
papers

1,795
citations

279798

23
h-index

477307

29
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29
all docs

29
docs citations

29
times ranked

2416
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Hyperthermia with Magnetic Nanoparticles: A Status Review. Current Topics in Medicinal Chemistry, 2014, 14, 572-594.	2.1	216
2	Cation distribution, structural, morphological and magnetic properties of $\text{Co}_{1-x}\text{Zn}_x\text{Fe}_2\text{O}_4$ ($x = 0-1$) nanoparticles. RSC Advances, 2015, 5, 2338-2345.	3.6	184
3	Combustion synthesis of cobalt ferrite nanoparticles—Influence of fuel to oxidizer ratio. Journal of Alloys and Compounds, 2012, 514, 91-96.	5.5	175
4	Polyvinyl alcohol functionalized cobalt ferrite nanoparticles for biomedical applications. Applied Surface Science, 2013, 264, 598-604.	6.1	174
5	Studies on polyethylene glycol coating on NiFe_2O_4 nanoparticles for biomedical applications. Journal of Magnetism and Magnetic Materials, 2012, 324, 770-772.	2.3	89
6	Studies on colloidal stability of PVP-coated LSMO nanoparticles for magnetic fluid hyperthermia. New Journal of Chemistry, 2013, 37, 3121.	2.8	87
7	Formation, microstructure and magnetic properties of nanocrystalline MgFe_2O_4 . Materials Chemistry and Physics, 2012, 132, 782-787.	4.0	83
8	Superparamagnetic MFe_2O_4 ($\text{M}=\text{Ni, Co, Zn, Mn}$) nanoparticles: synthesis, characterization, induction heating and cell viability studies for cancer hyperthermia applications. Journal of Materials Science: Materials in Medicine, 2015, 26, 127.	3.6	70
9	Induction heating studies of combustion synthesized MgFe_2O_4 nanoparticles for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2013, 332, 48-51.	2.3	63
10	Functionalization of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ nanoparticles with polymer: Studies on enhanced hyperthermia and biocompatibility properties for biomedical applications. Colloids and Surfaces B: Biointerfaces, 2013, 104, 40-47.	5.0	61
11	Highly water-dispersible surface-functionalized LSMO nanoparticles for magnetic fluid hyperthermia application. New Journal of Chemistry, 2013, 37, 2733.	2.8	60
12	Surface functionalized LSMO nanoparticles with improved colloidal stability for hyperthermia applications. Journal Physics D: Applied Physics, 2013, 46, 105003.	2.8	56
13	Study of AC magnetic heating characteristics of $\text{Co}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ nanoparticles for magnetic hyperthermia therapy. Journal of Magnetism and Magnetic Materials, 2014, 349, 208-213.	2.3	52
14	Water dispersible superparamagnetic Cobalt iron oxide nanoparticles for magnetic fluid hyperthermia. Journal of Magnetism and Magnetic Materials, 2016, 419, 533-542.	2.3	52
15	Thermodynamic, structural and magnetic studies of NiFe_2O_4 nanoparticles prepared by combustion method: Effect of fuel. Journal of Alloys and Compounds, 2013, 546, 314-319.	5.5	45
16	Colloidal stability of polyethylene glycol functionalized $\text{Co}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ nanoparticles: effect of pH, sample and salt concentration for hyperthermia application. RSC Advances, 2014, 4, 12662.	3.6	41
17	Structured superparamagnetic nanoparticles for high performance mediator of magnetic fluid hyperthermia: Synthesis, colloidal stability and biocompatibility evaluation. Materials Science and Engineering C, 2014, 42, 637-646.	7.3	41
18	PVA and PEG functionalised LSMO nanoparticles for magnetic fluid hyperthermia application. Materials Characterization, 2015, 102, 209-220.	4.4	41

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19	Enhanced colloidal stability of polymer coated La _{0.7} Sr _{0.3} MnO ₃ nanoparticles in physiological media for hyperthermia application. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 111, 264-269.	5.0	33
20	Improved magnetic induction heating of nanoferrites for hyperthermia applications: Correlation with colloidal stability and magneto-structural properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 384, 335-343.	2.3	30
21	MRI Guided Magneto-chemotherapy with High-Magnetic-Moment Iron Oxide Nanoparticles for Cancer Theranostics. <i>ACS Applied Bio Materials</i> , 2020, 3, 2305-2313.	4.6	29
22	Synthesis and magnetostructural studies of amine functionalized superparamagnetic iron oxide nanoparticles. <i>RSC Advances</i> , 2015, 5, 18420-18428.	3.6	28
23	Nanomedicine-driven molecular targeting, drug delivery, and therapeutic approaches to cancer chemoresistance. <i>Drug Discovery Today</i> , 2021, 26, 724-739.	6.4	25
24	Spray deposited superhydrophobic ZnO coatings via seed assisted growth. <i>Surface and Coatings Technology</i> , 2011, 206, 1336-1341.	4.8	22
25	Anticancer, Antibacterial and Hyperthermia Studies of a Caffeine-Based <i>N</i> -Heterocyclic Carbene Silver Complex Anchored on Magnetic Nanoparticles. <i>ChemistrySelect</i> , 2021, 6, 1958-1968.	1.5	14
26	APTES (3-aminopropyltriethoxy silane) functionalized MnFe ₂ O ₄ nanoparticles: a potential material for magnetic fluid hyperthermia. <i>Chemical Papers</i> , 2019, 73, 2189-2197.	2.2	13
27	Synthesis and Properties of Monodisperse Superparamagnetic Mg _{0.8} Mn _{0.2} Fe ₂ O ₄ Nanoparticles Using Polyol Reflux Method. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 1122-1126.	2.9	8
28	Design of monodispersed PVP functionalized biocompatible manganese ferrite nanoparticles for hyperthermia application. <i>Materials Today: Proceedings</i> , 2022, 62, 5341-5346.	1.8	2
29	Synthesis, Characterization, and Cytotoxicity Evaluation of Polyethylene Glycol-Coated Iron Oxide Nanoparticles for Radiotherapy Application. <i>Journal of Medical Physics</i> , 2021, 46, 154-161.	0.3	1