Nanasaheb D. Thorat

List of Publications by Year
in descending order

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60 papers	2,931 citations	136950 32 h-index	168389 53 g-index
65 all docs	65 docs citations	65 times ranked	4259 citing authors

#	Article	IF	Citations
1	Temozolomide Resistance: A Multifarious Review on Mechanisms Beyond Oâ€‘6â€‘Methylguanineâ€‘DNA Methyltransferase. CNS and Neurological Disorders - Drug Targets, 2022, 21, .	1.4	4
2	Rareâ€Earth Doped Iron Oxide Nanostructures for Cancer Theranostics: Magnetic Hyperthermia and Magnetic Resonance Imaging. Small, 2022, 18, e2104855.	10.0	39
3	Histological Injury to Rat Brain, Liver, and Kidneys by Gold Nanoparticles is Dose-Dependent. ACS Omega, 2022, 7, 20656-20665.	3.5	6
4	Photo-responsive functional gold nanocapsules for inactivation of community-acquired, highly virulent, multidrug-resistant MRSA. Journal of Materials Chemistry B, 2021, 9, 846-856.	5.8	14
5	Carboxylated PEG-Functionalized MnFe₂O₄ Nanocubes Synthesized in a Mixed Solvent: Morphology, Magnetic Properties, and Biomedical Applications. ACS Omega, 2021, 6, 5266-5275.	3.5	23
6	Nanomedicine-driven molecular targeting, drug delivery, and therapeutic approaches to cancer chemoresistance. Drug Discovery Today, 2021, 26, 724-739.	6.4	25
7	Bioink: a 3D-bioprinting tool for anticancer drug discovery and cancer management. Drug Discovery Today, 2021, 26, 1574-1590.	6.4	27
8	Application of natural antimicrobials in food preservation: Recent views. Food Control, 2021, 126, 108066.	5.5	109
9	Self-assembly of bovine serum albumin (BSA)â€“dextran bio-nanoconjugate: structural, antioxidant and in vitro wound healing studies. RSC Advances, 2021, 11, 4308-4317.	3.6	17
10	Nanomaterials exposure to human. , 2021, , 55-70.		0
11	Magnetically Retrievable Feâ€doped TiO₂ Nanoparticles for Photoâ€induced Toxic Dye Removal Applications. Macromolecular Symposia, 2021, 400, .	0.7	11
12	Silica nano supra-assembly for the targeted delivery of therapeutic cargo to overcome chemoresistance in cancer. Colloids and Surfaces B: Biointerfaces, 2020, 185, 110571.	5.0	21
13	Functional smart hybrid nanostructures based nanotheranostic approach for advanced cancer treatment. Applied Surface Science, 2020, 527, 146809.	6.1	26
14	Spectral drifts in surface textured Fe3O4-Au, coreâ€“shell nanoparticles enhance spectra-selective photothermal heating and scatter imaging. Nanoscale, 2020, 12, 12632-12638.	5.6	14
15	Nanomedicine: next generation modality of breast cancer therapeutics. , 2020, , 3-16.		6
16	MRI Guided Magneto-chemotherapy with High-Magnetic-Moment Iron Oxide Nanoparticles for Cancer Theranostics. ACS Applied Bio Materials, 2020, 3, 2305-2313.	4.6	29
17	Comprehensive approach of hybrid nanoplatforms in drug delivery and theranostics to combat cancer. Drug Discovery Today, 2020, 25, 1245-1252.	6.4	20
18	Biomedical Applications of Nanoalloys. , 2020, , 381-432.		3

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19	Physically stimulated nanotheranostics for next generation cancer therapy: Focus on magnetic and light stimulations. Applied Physics Reviews, 2019, 6, .	11.3	43
20	Progress in Remotely Triggered Hybrid Nanostructures for Next-Generation Brain Cancer Theranostics. ACS Biomaterials Science and Engineering, 2019, 5, 2669-2687.	5.2	31
21	Strengths and Limitations of Translating the Hybrid Nanostructures to the Clinic. , 2019, , 229-254.		3
22	Comprehensive cytotoxicity studies of superparamagnetic iron oxide nanoparticles. Biochemistry and Biophysics Reports, 2018, 13, 63-72.	1.3	169
23	Annealing environment effects on the electrochemical behavior of supercapacitors using Ni foam current collectors. Materials Research Express, 2018, 5, 125004.	1.6	8
24	Functional TiO₂ nanocoral architecture for light-activated cancer chemotherapy. Journal of Materials Chemistry B, 2017, 5, 1461-1470.	5.8	33
25	Rapid synthesis and decoration of reduced graphene oxide with gold nanoparticles by thermostable peptides for memory device and photothermal applications. Scientific Reports, 2017, 7, 10980.	3.3	84
26	Effective Cancer Theranostics with Polymer Encapsulated Superparamagnetic Nanoparticles: Combined Effects of Magnetic Hyperthermia and Controlled Drug Release. ACS Biomaterials Science and Engineering, 2017, 3, 1332-1340.	5.2	54
27	Multifunctional Magnetic Nanostructures for Cancer Hyperthermia Therapy. , 2016, , 589-612.		6
28	Visible light photo-induced antibacterial activity of TiO2-MWCNTs nanocomposites with varying the contents of MWCNTs. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 328, 50-58.	3.9	62
29	Multimodal Superparamagnetic Nanoparticles with Unusually Enhanced Specific Absorption Rate for Synergetic Cancer Therapeutics and Magnetic Resonance Imaging. ACS Applied Materials & Interfaces, 2016, 8, 14656-14664.	8.0	78
30	Role of functionalization: strategies to explore potential nano-bio applications of magnetic nanoparticles. RSC Advances, 2016, 6, 43989-44012.	3.6	192
31	Multi-modal MR imaging and magnetic hyperthermia study of Gd doped Fe₃O₄ nanoparticles for integrative cancer therapy. RSC Advances, 2016, 6, 94967-94975.	3.6	46
32	Superparamagnetic Gadolinium Ferrite Nanoparticles with Controllable Curie Temperature â€“ Cancer Theranostics for MRâ€Imagingâ€Guided Magnetoâ€Chemotherapy. European Journal of Inorganic Chemistry, 2016, 2016, 4586-4597.	2.0	47
33	Superparamagnetic iron oxide nanocargoes for combined cancer thermotherapy and MRI applications. Physical Chemistry Chemical Physics, 2016, 18, 21331-21339.	2.8	60
34	Coupling of radiofrequency with magnetic nanoparticles treatment as an alternative physical antibacterial strategy against multiple drug resistant bacteria. Scientific Reports, 2016, 6, 33662.	3.3	40
35	Nanocrystalline hydroxyapatite doped with aluminium: A potential carrier for biomedical applications. Ceramics International, 2016, 42, 5304-5311.	4.8	24
36	Facile one pot synthesis of core shell Ag@SiO2 nanoparticles for catalytic and antimicrobial activity. Materials Letters, 2016, 167, 179-182.	2.6	30

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37	Immobilization of cellulase on functionalized cobalt ferrite nanoparticles. Korean Journal of Chemical Engineering, 2016, 33, 216-222.	2.7	48
38	Enhanced visible light photocatalytic activity of Cr3+-doped anatase TiO2 nanoparticles synthesized by solâ€“gel method. Journal of Materials Science: Materials in Electronics, 2016, 27, 526-534.	2.2	36
39	In vitro hyperthermia with improved colloidal stability and enhanced SAR of magnetic core/shell nanostructures. Materials Science and Engineering C, 2016, 59, 702-709.	7.3	52
40	Cancer cell extinction through a magnetic fluid hyperthermia treatment produced by superparamagnetic Coâ€“Zn ferrite nanoparticles. RSC Advances, 2015, 5, 47225-47234.	3.6	67
41	Intracellular synthesis of silver nanoparticle by actinobacteria and its antimicrobial activity. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 136, 1175-1180.	3.9	111
42	Synthesis of functionalized Co 0.5 Zn 0.5 Fe 2 O 4 nanoparticles for biomedical applications. Journal of Magnetism and Magnetic Materials, 2015, 378, 397-401.	2.3	15
43	Combining Protein-Shelled Platinum Nanoparticles with Graphene to Build a Bionanohybrid Capacitor. ACS Nano, 2014, 8, 12120-12129.	14.6	14
44	Superparamagnetic iron oxide/chitosan core/shells for hyperthermia application: Improved colloidal stability and biocompatibility. Journal of Magnetism and Magnetic Materials, 2014, 355, 22-30.	2.3	67
45	Magnetic chitosan nanocomposite for hyperthermia therapy application: Preparation, characterization and in vitro experiments. Applied Surface Science, 2014, 288, 149-157.	6.1	151
46	Low temperature combustion synthesis and magnetostructural properties of Coâ€“Mn nanoferrites. Journal of Magnetism and Magnetic Materials, 2014, 352, 91-98.	2.3	87
47	One-step synthesis of uniform and biocompatible amine functionalized cobalt ferrite nanoparticles: a potential carrier for biomedical applications. New Journal of Chemistry, 2014, 38, 2979.	2.8	88
48	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
49	Non-aqueous to aqueous phase transfer of oleic acid coated iron oxide nanoparticles for hyperthermia application. RSC Advances, 2014, 4, 4515-4522.	3.6	87
50	Studies on colloidal stability of PVP-coated LSMO nanoparticles for magnetic fluid hyperthermia. New Journal of Chemistry, 2013, 37, 3121.	2.8	87
51	Induction heating studies of combustion synthesized MgFe2O4 nanoparticles for hyperthermia applications. Journal of Magnetism and Magnetic Materials, 2013, 332, 48-51.	2.3	63
52	Surface functionalized LSMO nanoparticles with improved colloidal stability for hyperthermia applications. Journal Physics D: Applied Physics, 2013, 46, 105003.	2.8	56
53	Polyvinyl alcohol functionalized cobalt ferrite nanoparticles for biomedical applications. Applied Surface Science, 2013, 264, 598-604.	6.1	174
54	Functionalization of La0.7Sr0.3MnO3 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

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55	Enhanced colloidal stability of polymer coated La0.7Sr0.3MnO3 nanoparticles in physiological media for hyperthermia application. Colloids and Surfaces B: Biointerfaces, 2013, 111, 264-269.	5.0	33
56	Highly water-dispersible surface-functionalized LSMO nanoparticles for magnetic fluid hyperthermia application. New Journal of Chemistry, 2013, 37, 2733.	2.8	60
57	Natural radioactivity study in soil samples of South Konkan, Maharashtra, India. Radiation Protection Dosimetry, 2013, 157, 225-233.	0.8	20
58	Combustion synthesis and characterization of perovskite La0.9Sr0.1MnO3. Materials Chemistry and Physics, 2012, 134, 881-885.	4.0	16
59	Studies on polyethylene glycol coating on NiFe2O4 nanoparticles for biomedical applications. Journal of Magnetism and Magnetic Materials, 2012, 324, 770-772.	2.3	89
60	Safeguarding COVID-19 and cancer management: drug design and therapeutic approach. Open Research Europe, 0, 1, 77.	2.0	0