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## Synthesis and surface engineering of iron oxide nanoparticles for biomedical applications

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2131	Nanoparticles: pharmacological and toxicological significance. <b>2007</b> , 150, 552-8	472
2130	Flower-Like SiO <sub>2</sub> -Coated Polymer/Fe <sub>3</sub> O <sub>4</sub> Composite Microspheres of Super-Paramagnetic Properties: Preparation via A Polymeric Microgel Template Method. <b>2007</b> , 90, 2067-2072	20
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2123	Synthesis of Ibuprofen Loaded Magnetic Solid Lipid Nanoparticles. <b>2007</b> , 43, 2415-2417	6
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2108	Cellular interactions of lauric acid and dextran-coated magnetite nanoparticles. <b>2007</b> , 311, 282-287		47
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2071	One-step synthesis and functionalization of hydroxyl-decorated magnetite nanoparticles. <b>2008</b> , 322, 173-9	43
2070	Dual-stimuli responsive PNIPAM microgel achieved via layer-by-layer assembly: magnetic and thermoresponsive. <b>2008</b> , 324, 47-54	118
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2062	Application of citrate-stabilized gold-coated ferric oxide composite nanoparticles for biological separations. <b>2008</b> , 320, 2049-2055	109
2061	Preparation and application of polymer-grafted magnetic nanoparticles for lipase immobilization. <b>2008</b> , 320, 2350-2355	111



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2055	Enzyme field effect transistor (ENFET) for estimation of triglycerides using magnetic nanoparticles. <b>2008</b> , 23, 1708-14		73
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2053	A stimulus-responsive magnetic nanoparticle drug carrier: magnetite encapsulated by chitosan-grafted-copolymer. <b>2008</b> , 4, 1024-37		214
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2050	Modification of magnetite nanoparticles via surface-initiated atom transfer radical polymerization (ATRP). <b>2008</b> , 138, 578-585		90
2049	Synthesis and stealthing study of bare and PEGylated silica micro- and nanoparticles as potential drug-delivery vectors. <b>2008</b> , 137, 45-53		70
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1972	Polarization selective electro-optic polymer waveguide devices by direct electron beam writing. <b>2008</b> , 16, 8472-9	3
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1951	Can silver nanoparticles be useful as potential biological labels?. <b>2008</b> , 19, 235104	202
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1519	Superparamagnetic pH-sensitive multilayer hybrid hollow microspheres for targeted controlled release. <b>2010</b> , 48, 3135-3144	65
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1511	Delivery of therapeutic radioisotopes using nanoparticle platforms: potential benefit in systemic radiation therapy. <b>2010</b> , 3, 159-70	37
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1352	Histidine-tagged enzyme conjugated heterogeneous magnetic mesoporous silica for high efficient biodegradation of catechol. <b>2011</b> ,	1
1351	Multifunctional magnetic nanocomposites: separation, photodecomposition and Raman detection. <b>2011</b> , 21, 4623	7
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1349	Nanocomposites combining conducting and superparamagnetic components prepared via an organogel. <b>2011</b> , 7, 2755	11
1348	Imaging magnetic flux lines with iron oxide nanoparticles using a "fossilized liquid assembly" <b>2011</b> , 7, 5756	3
1347	Multimodal superparamagnetic nanoplatform for clinical applications: immunoassays, imaging & therapy. <b>2011</b> , 149, 211-25; discussion 227-45	42
1346	Water-soluble dendritic-linear triblock copolymer-modified magnetic nanoparticles: preparation, characterization and drug release properties. <b>2011</b> , 21, 13611	51
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1338	Formation of magnetic aluminium oxyhydroxide nanorods and use for hyperthermal effects. <b>2011</b> , 22, 115601	7
1337	Cell compatible trimethoprim-decorated iron oxide nanoparticles bind dihydrofolate reductase for magnetically modulating focal adhesion of mammalian cells. <b>2011</b> , 133, 10006-9	36
1336	UCST-like hybrid PAAm-AA/Fe <sub>3</sub> O <sub>4</sub> microgels. Effect of Fe <sub>3</sub> O <sub>4</sub> nanoparticles on morphology, thermosensitivity and elasticity. <b>2011</b> , 27, 8027-35	38
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1319	Transformation of hydrophobic iron oxide nanoparticles to hydrophilic and biocompatible maghemite nanocrystals for use as highly efficient MRI contrast agent. <b>2011</b> , 21, 11472	42
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1159	Diverging Geometric and Magnetic Size Distributions of Iron Oxide Nanocrystals. <b>2011</b> , 115, 14598-14605	74
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1157	Multifunctional magnetically removable nanogated lids of Fe <sub>3</sub> O <sub>4</sub> -decorated mesoporous silica nanoparticles for intracellular controlled release and MR imaging. <b>2011</b> , 21, 2535	97
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1153	Oxide and hybrid nanostructures for therapeutic applications. <b>2011</b> , 63, 1267-81	102
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1079	Improved optical limiting in dispersible carbon nanotubes and their metal oxide hybrids. <b>2011</b> , 49, 4767-4773	41
1078	One-pot synthesis of uniform and spherically assembled functionalized MFe <sub>2</sub> O <sub>4</sub> (M=Co, Mn, Ni) nanoparticles. <b>2011</b> , 384, 453-460	54
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1062	Self-protecting core-shell magnetic nanoparticles for targeted, traceable, long half-life delivery of BCNU to gliomas. <i>Biomaterials</i> , <b>2011</b> , 32, 6523-32	15.6	63
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1060	Tumor selectivity of stealth multi-functionalized superparamagnetic iron oxide nanoparticles. <b>2011</b> , 404, 180-90		76
1059	Preparation and characterization of polyvinyl alcohol-chitosan biocompatible magnetic microparticles. <b>2011</b> , 323, 7-13		23
1058	An original route to stabilize and functionalize magnetite nanoparticles for theranosis applications. <b>2011</b> , 323, 410-415		26
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1005	Gold/Chitosan Nanocomposites with Specific Near Infrared Absorption for Photothermal Therapy Applications. <b>2012</b> , 2012, 1-9	18
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