

# Superparamagnetic nanoparticles as versatile carriers and enzymes

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Purification and covalent immobilization of benzaldehyde lyase with heterofunctional chelate-epoxy modified magnetic nanoparticles and its carboligation reactivity. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 95, 41-47.	1.8	34
2	NADH oxidation in a microreactor catalysed by ADH immobilised on $\text{Fe}_2\text{O}_3$ nanoparticles. <i>Green Processing and Synthesis</i> , 2013, 2, 569-578.	1.3	11
3	Investigating the Influence of the Interface in Thiol-Functionalized Silver-Gold Nanoshells over Lipase Activity. <i>Langmuir</i> , 2013, 29, 15974-15980.	1.6	11
4	Green chemistry in Brazil. <i>Pure and Applied Chemistry</i> , 2013, 85, 1643-1653.	0.9	18
5	Immobilization of amyloglucosidase from SSF of <i>Aspergillus niger</i> by crosslinked enzyme aggregate onto magnetic nanoparticles using minimum amount of carrier and characterizations. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2013, 98, 30-36.	1.8	31
6	Developing nanotechnological strategies for green industrial processes. <i>Pure and Applied Chemistry</i> , 2013, 85, 1655-1669.	0.9	12
7	Rapid screening and analysis of alcohol dehydrogenase binders from <i>Glycyrrhiza uralensis</i> root extract using functionalized magnetic nanoparticles coupled with HPLC-MS/MS. <i>Canadian Journal of Chemistry</i> , 2013, 91, 1147-1154.	0.6	12
8	Flavoprotein oxidases: classification and applications. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 5177-5188.	1.7	123
9	Immobilised enzymes in biorenewables production. <i>Chemical Society Reviews</i> , 2013, 42, 6491.	18.7	232
10	Production of partially phosphorylated myo-inositol phosphates using phytases immobilised on magnetic nanoparticles. <i>Bioresource Technology</i> , 2013, 142, 375-383.	4.8	27
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12	Chemical approaches for the construction of multi-enzyme reaction systems. <i>Current Opinion in Structural Biology</i> , 2013, 23, 613-621.	2.6	104
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16	Magnetic Cross-Linked Enzyme Aggregates (mCLEAs) of <i>Candida antarctica</i> Lipase: An Efficient and Stable Biocatalyst for Biodiesel Synthesis. <i>PLoS ONE</i> , 2014, 9, e115202.	1.1	70
17	A review: applications of iron nanomaterials in bioremediation and in detection of pesticide contamination. <i>International Journal of Nanoparticles</i> , 2014, 7, 73.	0.1	11
18	Immobilization of <i>Mucor miehei</i> esterase on core-shell magnetic beads via adsorption and covalent binding: Application in esters synthesis. <i>Fibers and Polymers</i> , 2014, 15, 2051-2060.	1.1	10

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19	Oriented covalent immobilization of esterase BioH on hydrophilic $\epsilon$ -modified Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Biotechnology and Applied Biochemistry</i> , 2014, 61, 603-610.	1.4	7
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28	Energy barrier distributions for magnetic nanoparticles with competing cubic and uniaxial anisotropies. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3366-3371.	0.9	14
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33	Magnetic cross-linked laccase aggregates â€” Bioremediation tool for decolorization of distinct classes of recalcitrant dyes. <i>Science of the Total Environment</i> , 2014, 487, 830-839.	3.9	137
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36	Facile preparation of magnetically functionalized graphite nanosheets for porcine pancreatic lipase immobilization. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	104

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37	Immobilization of Horseradish Peroxidase on NH <sub>2</sub> -Modified Magnetic Fe <sub>3</sub> O <sub>4</sub> /SiO <sub>2</sub> Particles and Its Application in Removal of 2,4-Dichlorophenol. <i>Molecules</i> , 2014, 19, 15768-15782.	1.7	102
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74	$\text{Fe}_3\text{O}_4$ magnetic nanoparticle functionalized with carboxylated multi walled carbon nanotube: Synthesis, characterization, analytical and biomedical application. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 401, 949-955.	1.0	36
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106	Basic ionic liquid functionalized magnetically responsive Fe <sub>3</sub> O <sub>4</sub> @HKUST-1 composites used for biodiesel production. <i>Fuel</i> , 2018, 220, 248-256.	3.4	209
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114	Advances in Capillary Electrophoretically Mediated Microanalysis for On-line Enzymatic and Derivatization Reactions. <i>Electrophoresis</i> , 2018, 39, 97-110.	1.3	36
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130	Immobilization of trypsin onto Fe <sub>3</sub> O <sub>4</sub> @SiO <sub>2</sub> -NH <sub>2</sub> and study of its activity and stability. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 170, 553-562.	2.5	71
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