

M Puerto Morales

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

273 papers	15,883 citations	63 h-index	118 g-index
292 ext. papers	17,275 ext. citations	4.9 avg, IF	6.43 L-index

#	Paper	IF	Citations
273	Superparamagnetic Iron Oxide Nanoparticles Decorated Mesoporous Silica Nanosystem for Combined Antibiofilm Therapy.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	4
272	The surface coating of iron oxide nanoparticles drives their intracellular trafficking and degradation in endolysosomes differently depending on the cell type.. <i>Biomaterials</i> , 2022 , 281, 121365	15.6	2
271	Nanoparticles for Neural Applications 2022 , 149-184		1
270	Palladium-Nanoparticles Biohybrids in Applied Chemistry. <i>Applied Nano</i> , 2021 , 2, 1-13	1	7
269	Unravelling an amine-regulated crystallization crossover to prove single/multicore effects on the biomedical and environmental catalytic activity of magnetic iron oxide colloids. <i>Journal of Colloid and Interface Science</i> , 2021 , 608, 1585-1597	9.3	4
268	Engineering Iron Oxide Nanocatalysts by a Microwave-Assisted Polyol Method for the Magnetically Induced Degradation of Organic Pollutants. <i>Nanomaterials</i> , 2021 , 11,	5.4	8
267	Improving degradation of real wastewaters with self-heating magnetic nanocatalysts. <i>Journal of Cleaner Production</i> , 2021 , 308, 127385	10.3	4
266	Temperature dependence of the magnetic interactions taking place in monodisperse magnetite nanoparticles having different morphologies. <i>AIP Advances</i> , 2021 , 11, 015025	1.5	1
265	How size, shape and assembly of magnetic nanoparticles give rise to different hyperthermia scenarios. <i>Nanoscale</i> , 2021 , 13, 15631-15646	7.7	8
264	Whither Magnetic Hyperthermia? A Tentative Roadmap. <i>Materials</i> , 2021 , 14,	3.5	39
263	Iron Oxide Nanoparticle Coatings Dictate Cell Outcomes Despite the Influence of Protein Coronas. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 7924-7944	9.5	5
262	Reproducibility and Scalability of Magnetic Nanoheater Synthesis. <i>Nanomaterials</i> , 2021 , 11,	5.4	1
261	Selective Magnetic Nanoheating: Combining Iron Oxide Nanoparticles for Multi-Hot-Spot Induction and Sequential Regulation. <i>Nano Letters</i> , 2021 , 21, 7213-7220	11.5	6
260	Understanding MNPs Behaviour in Response to AMF in Biological Milieus and the Effects at the Cellular Level: Implications for a Rational Design That Drives Magnetic Hyperthermia Therapy toward Clinical Implementation. <i>Cancers</i> , 2021 , 13,	6.6	8
259	Mixing iron oxide nanoparticles with different shape and size for tunable magneto-heating performance. <i>Nanoscale</i> , 2021 , 13, 5714-5729	7.7	2
258	The enzyme-induced formation of iron hybrid nanostructures with different morphologies. <i>Nanoscale</i> , 2020 , 12, 12917-12927	7.7	5
257	Smartphone-Based Colorimetric Method to Quantify Iron Concentration and to Determine the Nanoparticle Size from Suspensions of Magnetic Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2020 , 37, 2000032	3.1	2

256	Continuous production of magnetic iron oxide nanocrystals by oxidative precipitation. <i>Chemical Engineering Journal</i> , 2020 , 393, 124593	14.7	12
255	Superparamagnetic nanosorbent for water purification: Assessment of the adsorptive removal of lead and methyl orange from aqueous solutions. <i>Science of the Total Environment</i> , 2020 , 711, 134644	10.2	27
254	Combined Magnetoliposome Formation and Drug Loading in One Step for Efficient Alternating Current-Magnetic Field Remote-Controlled Drug Release. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 4295-4307	9.5	23
253	Improved magnetic lateral flow assays with optimized nanotags for point-of-use inductive biosensing. <i>Analyst, The</i> , 2020 , 145, 5905-5914	5	8
252	New insights into the structural analysis of maghemite and (MFe ₂ O ₄ , M = Co, Zn) ferrite nanoparticles synthesized by a microwave-assisted polyol process. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 3063-3073	7.8	11
251	Tailor-made PEG coated iron oxide nanoparticles as contrast agents for long lasting magnetic resonance molecular imaging of solid cancers. <i>Materials Science and Engineering C</i> , 2020 , 107, 110262	8.3	23
250	Rheological behavior of magnetic colloids in the borderline between ferrofluids and magnetorheological fluids. <i>Journal of Rheology</i> , 2019 , 63, 547-558	4.1	14
249	Cu-Doped Extremely Small Iron Oxide Nanoparticles with Large Longitudinal Relaxivity: One-Pot Synthesis and in Vivo Targeted Molecular Imaging. <i>ACS Omega</i> , 2019 , 4, 2719-2727	3.9	23
248	Doped-Iron Oxide Nanocrystals Synthesized by One-Step Aqueous Route for Multi-Imaging Purposes. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 7356-7365	3.8	6
247	Versatile Graphene-Based Platform for Robust Nanobiohybrid Interfaces. <i>ACS Omega</i> , 2019 , 4, 3287-3293	3.9	4
246	Iron Oxide Nanoflower-Based Screen Print Electrode for Enhancement Removal of Organic Dye Using Electrochemical Approach. <i>Electrocatalysis</i> , 2019 , 10, 663-671	2.7	10
245	Elongated magnetic nanoparticles with high-aspect ratio: a nuclear relaxation and specific absorption rate investigation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 18741-18752	3.6	11
244	Understanding the Influence of a Bifunctional Polyethylene Glycol Derivative in Protein Corona Formation around Iron Oxide Nanoparticles. <i>Materials</i> , 2019 , 12,	3.5	15
243	Flower-like Mn-Doped Magnetic Nanoparticles Functionalized with Integrin-Ligand to Efficiently Induce Intracellular Heat after Alternating Magnetic Field Exposition, Triggering Glioma Cell Death. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 26648-26663	9.5	31
242	Tc-, Y-, and Lu-Labeled Iron Oxide Nanoflowers Designed for Potential Use in Dual Magnetic Hyperthermia/Radionuclide Cancer Therapy and Diagnosis. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 41109-41117	9.5	26
241	Slow magnetic relaxation in well crystallized, monodispersed, octahedral and spherical magnetite nanoparticles. <i>AIP Advances</i> , 2019 , 9, 125143	1.5	2
240	Effect of the Surface Charge on the Adsorption Capacity of Chromium(VI) of Iron Oxide Magnetic Nanoparticles Prepared by Microwave-Assisted Synthesis. <i>Water (Switzerland)</i> , 2019 , 11, 2372	3	21
239	Design strategies for shape-controlled magnetic iron oxide nanoparticles. <i>Advanced Drug Delivery Reviews</i> , 2019 , 138, 68-104	18.5	127

238	Improving the reliability of the iron concentration quantification for iron oxide nanoparticle suspensions: a two-institutions study. <i>Analytical and Bioanalytical Chemistry</i> , 2019 , 411, 1895-1903	4.4	12
237	Aggregation effects on the magnetic properties of iron oxide colloids. <i>Nanotechnology</i> , 2019 , 30, 112001	3.4	75
236	Cell-Promoted Nanoparticle Aggregation Decreases Nanoparticle-Induced Hyperthermia under an Alternating Magnetic Field Independently of Nanoparticle Coating, Core Size, and Subcellular Localization. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 340-355	9.5	27
235	Modelling the effect of different core sizes and magnetic interactions inside magnetic nanoparticles on hyperthermia performance. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 477, 198-202	2.8	17
234	RGD-Functionalized FeO nanoparticles for magnetic hyperthermia. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 165, 315-324	6	32
233	Effect of the Sodium Polyacrylate on the Magnetite Nanoparticles Produced by Green Chemistry Routes: Applicability in Forward Osmosis. <i>Nanomaterials</i> , 2018 , 8,	5.4	7
232	Magnetic properties of nanoparticles as a function of their spatial distribution on liposomes and cells. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 17829-17838	3.6	10
231	Controlling the Size and Shape of Uniform Magnetic Iron Oxide Nanoparticles for Biomedical Applications 2018 , 3-24		0
230	Unravelling the mechanisms that determine the uptake and metabolism of magnetic single and multicore nanoparticles in a <i>Xenopus laevis</i> model. <i>Nanoscale</i> , 2018 , 10, 690-704	7.7	18
229	Anisotropic magnetic nanoparticles for biomedicine: bridging frequency separated AC-field controlled domains of actuation. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 30445-30454	3.6	18
228	Iron Oxide Nanoparticle-Based MRI Contrast Agents: Characterization and In Vivo Use 2017 , 85-120		2
227	Time-course assessment of the aggregation and metabolization of magnetic nanoparticles. <i>Acta Biomaterialia</i> , 2017 , 58, 181-195	10.8	38
226	The internal structure of magnetic nanoparticles determines the magnetic response. <i>Nanoscale</i> , 2017 , 9, 5129-5140	7.7	40
225	SAXS analysis of single- and multi-core iron oxide magnetic nanoparticles. <i>Journal of Applied Crystallography</i> , 2017 , 50, 481-488	3.8	24
224	How shape and internal structure affect the magnetic properties of anisometric magnetite nanoparticles. <i>Acta Materialia</i> , 2017 , 125, 416-424	8.4	29
223	Formation Mechanism of Maghemite Nanoflowers Synthesized by a Polyol-Mediated Process. <i>ACS Omega</i> , 2017 , 2, 7172-7184	3.9	56
222	Key Parameters on the Microwave Assisted Synthesis of Magnetic Nanoparticles for MRI Contrast Agents. <i>Contrast Media and Molecular Imaging</i> , 2017 , 2017, 8902424	3.2	14
221	One-Step Fast Synthesis of Nanoparticles for MRI: Coating Chemistry as the Key Variable Determining Positive or Negative Contrast. <i>Langmuir</i> , 2017 , 33, 10239-10247	4	34

220	Colloidal Flower-Shaped Iron Oxide Nanoparticles: Synthesis Strategies and Coatings. <i>Particle and Particle Systems Characterization</i> , 2017 , 34, 1700094	3.1	49
219	Detailed magnetic monitoring of the enhanced magnetism of ferrihydrite along its progressive transformation into hematite. <i>Journal of Geophysical Research: Solid Earth</i> , 2016 , 121, 4118-4129	3.6	5
218	Oriented Attachment of Recombinant Proteins to Agarose-Coated Magnetic Nanoparticles by Means of a β -trefoil Lectin Domain. <i>Bioconjugate Chemistry</i> , 2016 , 27, 2734-2743	6.3	1
217	Fast synthesis and bioconjugation of ^{68}Ga core-doped extremely small iron oxide nanoparticles for PET/MR imaging. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 203-10	3.2	54
216	Versatile theranostics agents designed by coating ferrite nanoparticles with biocompatible polymers. <i>Nanotechnology</i> , 2016 , 27, 255702	3.4	31
215	Subsurface imaging of silicon nanowire circuits and iron oxide nanoparticles with sub-10 nm spatial resolution. <i>Nanotechnology</i> , 2016 , 27, 275703	3.4	16
214	Effect of Nanoclustering and Dipolar Interactions in Heat Generation for Magnetic Hyperthermia. <i>Langmuir</i> , 2016 , 32, 1201-13	4	102
213	Studies of the Colloidal Properties of Superparamagnetic Iron Oxide Nanoparticles Functionalized with Platinum Complexes in Aqueous and PBS Buffer Media. <i>Journal of the Brazilian Chemical Society</i> , 2016 ,	1.5	3
212	Iron Oxide Nanoparticles for Cancer Diagnosis and Therapy 2016 , 667-694		6
211	In-situ particles reorientation during magnetic hyperthermia application: Shape matters twice. <i>Scientific Reports</i> , 2016 , 6, 38382	4.9	68
210	Counterion and solvent effects on the size of magnetite nanocrystals obtained by oxidative precipitation. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 9482-9488	7.1	15
209	Tuning morphology and magnetism of magnetite nanoparticles by calix[8]arene-induced oriented aggregation. <i>CrystEngComm</i> , 2016 , 18, 8591-8598	3.3	3
208	Particle Interactions in Liquid Magnetic Colloids by Zero Field Cooled Measurements: Effects on Heating Efficiency. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 11022-11030	3.8	42
207	A value-added exopolysaccharide as a coating agent for MRI nanoprobes. <i>Nanoscale</i> , 2015 , 7, 14272-83	7.7	16
206	Hydrothermal synthesis of fine stabilized superparamagnetic nanoparticles of Zn^{2+} substituted manganese ferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 393, 429-436	2.8	31
205	Tuning the magnetic properties of Co-ferrite nanoparticles through the 1,2-hexadecanediol concentration in the reaction mixture. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13143-9	3.6	14
204	Electrochemical synthesis of core-shell magnetic nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 389, 144-147	2.8	11
203	Bismuth labeling for the CT assessment of local administration of magnetic nanoparticles. <i>Nanotechnology</i> , 2015 , 26, 135101	3.4	14

202	Polyethylenimine-coated SPIONs trigger macrophage activation through TLR-4 signaling and ROS production and modulate podosome dynamics. <i>Biomaterials</i> , 2015 , 52, 494-506	15.6	80
201	Inducing glassy magnetism in Co-ferrite nanoparticles through crystalline nanostructure. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 4522-4529	7.1	9
200	Hematotoxicity of magnetite nanoparticles coated with polyethylene glycol: in vitro and in vivo studies. <i>Toxicology Research</i> , 2015 , 4, 1555-1564	2.6	14
199	Polyethylenimine-coated SPION exhibits potential intrinsic anti-metastatic properties inhibiting migration and invasion of pancreatic tumor cells. <i>Journal of Controlled Release</i> , 2015 , 216, 78-92	11.7	20
198	Biotransformation of magnetic nanoparticles as a function of coating in a rat model. <i>Nanoscale</i> , 2015 , 7, 16321-9	7.7	37
197	Towards MRI T2 contrast agents of increased efficiency. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 348-353	2.8	23
196	Effects of phase transfer ligands on monodisperse iron oxide magnetic nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2015 , 437, 147-155	9.3	57
195	Solid Magnetic Materials 2015 , 813-840		
194	Covalent coupling of gum arabic onto superparamagnetic iron oxide nanoparticles for MRI cell labeling: physicochemical and in vitro characterization. <i>Contrast Media and Molecular Imaging</i> , 2015 , 10, 320-8	3.2	15
193	Classification of Magnetic Nanoparticle Systems--Synthesis, Standardization and Analysis Methods in the NanoMag Project. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 20308-25	6.3	51
192	A Single Picture Explains Diversity of Hyperthermia Response of Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 15698-15706	3.8	115
191	Degradation of magnetic nanoparticles mimicking lysosomal conditions followed by AC susceptibility. <i>Biomedizinische Technik</i> , 2015 , 60, 417-25	1.3	29
190	Improving magnetic properties of ultrasmall magnetic nanoparticles by biocompatible coatings. <i>Journal of Applied Physics</i> , 2015 , 117, 064311	2.5	13
189	Synthesis methods to prepare single- and multi-core iron oxide nanoparticles for biomedical applications. <i>Dalton Transactions</i> , 2015 , 44, 2943-52	4.3	84
188	Efficient and safe internalization of magnetic iron oxide nanoparticles: two fundamental requirements for biomedical applications. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014 , 10, 733-43	6	84
187	Magnetic nanoparticles coated with dimercaptosuccinic acid: development, characterization, and application in biomedicine. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	30
186	Magnetic nanocrystals for biomedical applications. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2014 , 60, 80-86	3.5	11
185	Prospects for magnetic nanoparticles in systemic administration: synthesis and quantitative detection. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 4456-64	3.6	19

184	Modulation of Magnetic Heating via Dipolar Magnetic Interactions in Monodisperse and Crystalline Iron Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 19985-19994	3.8	71
183	Multiplying Magnetic Hyperthermia Response by Nanoparticle Assembling. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 5927-5934	3.8	189
182	Magnetic, Structural, and Particle Size Analysis of Single- and Multi-Core Magnetic Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2014 , 50, 1-4	2	11
181	Structural disorder versus spin canting in monodisperse maghemite nanocrystals. <i>Applied Physics Letters</i> , 2014 , 104, 223105	3.4	20
180	Control of surface morphology and internal structure in magnetite microparticles: from smooth single crystals to rough polycrystals. <i>CrystEngComm</i> , 2013 , 15, 5236	3.3	7
179	Relationship between physico-chemical properties of magnetic fluids and their heating capacity. <i>International Journal of Hyperthermia</i> , 2013 , 29, 768-76	3.7	46
178	Long term biotransformation and toxicity of dimercaptosuccinic acid-coated magnetic nanoparticles support their use in biomedical applications. <i>Journal of Controlled Release</i> , 2013 , 171, 225-337	11.7	88
177	Different cell responses induced by exposure to maghemite nanoparticles. <i>Nanoscale</i> , 2013 , 5, 11428-37	7.7	33
176	Synthesis of heterogeneous enzyme-metal nanoparticle biohybrids in aqueous media and their applications in C-C bond formation and tandem catalysis. <i>Chemical Communications</i> , 2013 , 49, 6876-8	5.8	101
175	Biodistribution and pharmacokinetics of uniform magnetite nanoparticles chemically modified with polyethylene glycol. <i>Nanoscale</i> , 2013 , 5, 11400-8	7.7	84
174	Large scale production of biocompatible magnetite nanocrystals with high saturation magnetization values through green aqueous synthesis. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5995-6004	7.3	44
173	Effect of Anesthesia on Magnetic Nanoparticle Biodistribution After Intravenous Injection. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 398-401	2	11
172	Key Parameters for Scaling up the Synthesis of Magnetite Nanoparticles in Organic Media: Stirring Rate and Growth Kinetic. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 17841-17847	3.9	15
171	Deferiprone and idebenone rescue frataxin depletion phenotypes in a Drosophila model of Friedreich's ataxia. <i>Gene</i> , 2013 , 521, 274-81	3.8	34
170	Multiparametric Toxicity Evaluation of SPIONs by High Content Screening Technique: Identification of Biocompatible Multifunctional Nanoparticles for Nanomedicine. <i>IEEE Transactions on Magnetics</i> , 2013 , 49, 377-382	2	26
169	Short-chain PEG molecules strongly bound to magnetic nanoparticle for MRI long circulating agents. <i>Acta Biomaterialia</i> , 2013 , 9, 6421-30	10.8	70
168	Development of Magnetic Nanoparticles for Cancer Gene Therapy: A Comprehensive Review. <i>ISRN Nanomaterials</i> , 2013 , 2013, 1-14		29
167	Synthesis of high intrinsic loss power aqueous ferrofluids of iron oxide nanoparticles by citric acid-assisted hydrothermal-reduction route. <i>Journal of Solid State Chemistry</i> , 2012 , 187, 20-26	3.3	53

166	Relaxation phenomena in ensembles of CoFe ₂ O ₄ nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1182-1188	2.8	19
165	Olefin metathesis for the functionalization of superparamagnetic nanoparticles. <i>Bioinspired, Biomimetic and Nanobiomaterials</i> , 2012 , 1, 166-172	1.3	8
164	Synthesis of Inorganic Nanoparticles. <i>Frontiers of Nanoscience</i> , 2012 , 4, 35-79	0.7	17
163	Study of Heating Efficiency as a Function of Concentration, Size, and Applied Field in Fe ₂ O ₃ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 25602-25610	3.8	205
162	Ultrasmall iron oxide nanoparticles for biomedical applications: improving the colloidal and magnetic properties. <i>Langmuir</i> , 2012 , 28, 178-85	4	76
161	Electrochemical synthesis of NiFe ₂ O ₄ nanoparticles: Characterization and their catalytic applications. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S241-S244	5.7	44
160	Core/Shell Magnetite/Bismuth Oxide Nanocrystals with Tunable Size, Colloidal, and Magnetic Properties. <i>Chemistry of Materials</i> , 2012 , 24, 319-324	9.6	22
159	Variable blocking temperature of a porous silicon/Fe ₃ O ₄ composite due to different interactions of the magnetic nanoparticles. <i>Nanoscale Research Letters</i> , 2012 , 7, 445	5	29
158	Controlled synthesis of uniform magnetite nanocrystals with high-quality properties for biomedical applications. <i>Journal of Materials Chemistry</i> , 2012 , 22, 21065		126
157	Synthesis and characterization of CoFe ₂ O ₄ ferrite nanoparticles obtained by an electrochemical method. <i>Nanotechnology</i> , 2012 , 23, 355708	3.4	55
156	Influence of the temperature in the electrochemical synthesis of cobalt ferrites nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012 , 536, S222-S225	5.7	29
155	Biological applications of magnetic nanoparticles. <i>Chemical Society Reviews</i> , 2012 , 41, 4306-34	58.5	939
154	Synthesis of aqueous ferrofluids of Zn _x Fe _{3-x} O ₄ nanoparticles by citric acid assisted hydrothermal-reduction route for magnetic hyperthermia applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2211-2217	2.8	50
153	Synthesis and surface modification of uniform MFe ₂ O ₄ (M = Fe, Mn, and Co) nanoparticles with tunable sizes and functionalities. <i>Journal of Nanoparticle Research</i> , 2012 , 14, 1	2.3	42
152	Accurate determination of the specific absorption rate in superparamagnetic nanoparticles under non-adiabatic conditions. <i>Applied Physics Letters</i> , 2012 , 101, 062413	3.4	38
151	INFLUENCE OF AGGREGATE COATING ON RELAXATIONS IN THE SYSTEMS OF IRON OXIDE NANOPARTICLES. <i>Nano</i> , 2012 , 07, 1250004	1.1	6
150	Two oxidation sites for low redox potential substrates: a directed mutagenesis, kinetic, and crystallographic study on <i>Pleurotus eryngii</i> versatile peroxidase. <i>Journal of Biological Chemistry</i> , 2012 , 287, 41053-67	5.4	58
149	Porous Silicon/Iron Oxide Nanocomposites with Deposition Dependent Magnetic Properties. <i>ECS Transactions</i> , 2012 , 41, 67-72	1	4

148	Fighting cancer with magnetic nanoparticles and immunotherapy 2012 ,		2
147	Magnetic nanoparticles with bulklike properties (invited). <i>Journal of Applied Physics</i> , 2011 , 109, 07B524	2.5	92
146	Magnetic Capsules for NMR Imaging: Effect of Magnetic Nanoparticles Spatial Distribution and Aggregation. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 6257-6264	3.8	72
145	Ac magnetic susceptibility study of iron nanoparticle biodistribution. <i>Journal Physics D: Applied Physics</i> , 2011 , 44, 255002	3	36
144	Influence of a semiconducting matrix on the magnetic behaviour of iron oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , 2011 , 303, 012043	0.3	
143	One step production of magnetic nanoparticle films by laser pyrolysis inside a chemical vapour deposition reactor. <i>Thin Solid Films</i> , 2011 , 519, 7677-7682	2.2	5
142	Magnetic behaviour of a magnetite/silicon nanocomposite. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 5685-5690	2.3	7
141	One single-step synthesis of multifunctional methylene blue-coated magnetite nanoparticles. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 6931-6939	2.3	7
140	Structural and magnetic characterization of a porous silicon/Fe ₃ O ₄ composite. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011 , 8, 1739-1743		2
139	Goethite (FeOOH) Nanorods as Suitable Antiferromagnetic Substrates. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 13991-13999	3.8	21
138	Dimercaptosuccinic acid-coated magnetite nanoparticles for magnetically guided in vivo delivery of interferon gamma for cancer immunotherapy. <i>Biomaterials</i> , 2011 , 32, 2938-52	15.6	141
137	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. <i>Nanomedicine</i> , 2010 , 5, 397-408	5.6	57
136	Magnetic properties and energy absorption of CoFe ₂ O ₄ nanoparticles for magnetic hyperthermia. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072101	0.3	39
135	Magnetic Study of Fe ₃ O ₄ Nanoparticles Incorporated within Mesoporous Silicon. <i>Journal of the Electrochemical Society</i> , 2010 , 157, K145	3.9	41
134	Effect of particle shape in magnetorheology. <i>Journal of Rheology</i> , 2010 , 54, 1337-1362	4.1	111
133	Ordered ferrimagnetic form of ferrihydrite reveals links among structure, composition, and magnetism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 2787-92	11.5	263
132	Hyperthermia HeLa Cell Treatment with Silica-Coated Manganese Oxide Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 1976-1981	3.8	99
131	Effects of coating on magnetic properties in iron oxide nanoparticles. <i>Journal of Physics: Conference Series</i> , 2010 , 200, 072012	0.3	8

130	Iron Oxide Materials Produced by Laser Pyrolysis 2010 ,		3
129	Magnetic Properties of Fe Oxide Nanoparticles Produced by Laser Pyrolysis for Biomedical Applications 2010 ,		4
128	Reproducibility of the Synthesis of Iron Oxide Nanoparticles Produced by Laser Pyrolysis 2010 ,		2
127	The endocytic penetration mechanism of iron oxide magnetic nanoparticles with positively charged cover: a morphological approach. <i>International Journal of Molecular Medicine</i> , 2010 , 26, 533-9	4.4	17
126	Synthesis of MFe ₂ O ₄ (M = Fe, Mn) Nanoparticles with Tunable Sizes 2010 ,		2
125	Magnetite nanoparticles embedded in biodegradable porous silicon. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1343-1346	2.8	9
124	Nanostructural origin of the spin and orbital contribution to the magnetic moment in Fe ₃ O ₄ magnetite nanoparticles. <i>Applied Physics Letters</i> , 2009 , 94, 093108	3.4	38
123	Porous Silicon/Fe ₃ O ₄ -Nanoparticle Composite and its Magnetic Behaviour. <i>ECS Transactions</i> , 2009 , 16, 91-99	1	6
122	Substrate oxidation sites in versatile peroxidase and other basidiomycete peroxidases. <i>Journal of Experimental Botany</i> , 2009 , 60, 441-52	7	206
121	Simple technique for texture function analysis in granular thin film media. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3991-3994	2.8	
120	Magnetic conducting composites based on polypyrrol and iron oxide nanoparticles synthesized via electrochemistry. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 2115-2120	2.8	29
119	Magnetic nanoparticles for power absorption: Optimizing size, shape and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2009 , 182, 2779-2784	3.3	115
118	Progress in the preparation of magnetic nanoparticles for applications in biomedicine. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 224002	3	295
117	The influence of surface functionalization on the enhanced internalization of magnetic nanoparticles in cancer cells. <i>Nanotechnology</i> , 2009 , 20, 115103	3.4	267
116	Escherichia coli expression and in vitro activation of a unique ligninolytic peroxidase that has a catalytic tyrosine residue. <i>Protein Expression and Purification</i> , 2009 , 68, 208-14	2	28
115	Bifunctional Nanocomposites with Long-Term Stability as SERS Optical Accumulators for Ultrasensitive Analysis. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 3373-3377	3.8	63
114	Gold nanoparticles generated in ethosome bilayers, as revealed by cryo-electron-tomography. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 3051-7	3.4	23
113	Magnetic enhancement during the crystallization of ferrihydrite at 25 and 50°C. <i>Clays and Clay Minerals</i> , 2009 , 57, 46-53	2.1	25

112	Magnetite nanoparticles with no surface spin canting. <i>Journal of Applied Physics</i> , 2009 , 105, 114309	2.5	73
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