

Claudio Sangregorio

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.

212
papers

11,922
citations

56
h-index

103
g-index

228
ext. papers

12,731
ext. citations

5.7
avg, IF

5.85
L-index

#	Paper	IF	Citations
212	Double-Layer Fatty Acid Nanoparticles as a Multiplatform for Diagnostics and Therapy.. <i>Nanomaterials</i> , 2022 , 12,	5.4	4
211	High Magnetic Field Magneto-optics on Plasmonic Silica-Embedded Silver Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2022 , 126, 1939-1945	3.8	1
210	Smart Magnetic Nanocarriers for Multi-Stimuli On-Demand Drug Delivery.. <i>Nanomaterials</i> , 2022 , 12,	5.4	6
209	High-Moment FeCo Magnetic Nanoparticles Obtained by Topochemical H ₂ Reduction of Co-Ferrites. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 1899	2.6	0
208	3d Metal Doping of Core@Shell White@ferrite Nanoparticles as a Promising Route toward Room Temperature Exchange Bias Magnets.. <i>Small</i> , 2022 , e2107426	11	1
207	On-flow magnetic particle activity assay for the screening of human purine nucleoside phosphorylase inhibitors.. <i>Journal of Chromatography A</i> , 2021 , 1663, 462740	4.5	0
206	Medical Applications of Magnetic Nanoparticles. <i>Springer Series in Materials Science</i> , 2021 , 327-351	0.9	1
205	Optimizing the magnetic properties of hard and soft materials for producing exchange spring permanent magnets. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 134003	3	8
204	Dielectric Effects in FeO -Coated Au Nanoparticles Boost the Magnetoplasmonic Response: Implications for Active Plasmonic Devices. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1057-1066	5.6	8
203	Magnetic properties of bulk nanocrystalline cobalt ferrite obtained by high-pressure field assisted sintering. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 194006	3	1
202	Magnetic performance of SrFe ₁₂ O ₁₉ /Zn _{0.2} Fe _{2.8} O ₄ hybrid magnets prepared by spark plasma sintering. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 204002	3	2
201	Lipid Cubic Mesophases Combined with Superparamagnetic Iron Oxide Nanoparticles: A Hybrid Multifunctional Platform with Tunable Magnetic Properties for Nanomedical Applications. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	2
200	Fe ₃ O ₄ @HKUST-1 magnetic composites by mechanochemical route for induction triggered release of carbon dioxide. <i>Microporous and Mesoporous Materials</i> , 2021 , 111458	5.3	0
199	On the synthesis of bi-magnetic manganese ferrite-based core-shell nanoparticles. <i>Nanoscale Advances</i> , 2021 , 3, 1612-1623	5.1	3
198	Coupled hard-soft spinel ferrite-based core-shell nanoarchitectures: magnetic properties and heating abilities. <i>Nanoscale Advances</i> , 2020 , 2, 3191-3201	5.1	21
197	Unraveling the mechanism of the one-pot synthesis of exchange coupled Co-based nano-heterostructures with a high energy product. <i>Nanoscale</i> , 2020 , 12, 14076-14086	7.7	3
196	Modulation of the magnetic properties of gold-spinel ferrite heterostructured nanocrystals. <i>Nano Research</i> , 2020 , 13, 785-794	10	10

195	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. <i>Nanomaterials</i> , 2020 , 10,	5.4	35
194	NMR Study of Spin Dynamics in V7Zn and V7Ni Molecular Rings. <i>Applied Magnetic Resonance</i> , 2020 , 51, 1277-1293	0.8	1
193	Magnetic Property Enhancement of Spinel Mn-Zn Ferrite through Atomic Structure Control. <i>Inorganic Chemistry</i> , 2020 , 59, 11184-11192	5.1	6
192	A bionic shuttle carrying multi-modular particles and holding tumor-tropic features. <i>Materials Science and Engineering C</i> , 2020 , 117, 111338	8.3	2
191	An Approach for Magnetic Halloysite Nanocomposite with Selective Loading of Superparamagnetic Magnetite Nanoparticles in the Lumen. <i>Inorganic Chemistry</i> , 2020 , 59, 12086-12096	5.1	5
190	Multifunctional FeO-Au Nanoparticles for the MRI Diagnosis and Potential Treatment of Liver Cancer. <i>Nanomaterials</i> , 2020 , 10,	5.4	13
189	Size-dependent spatial magnetization profile of manganese-zinc ferrite Mn _{0.2} Zn _{0.2} Fe _{2.6} O ₄ nanoparticles. <i>Physical Review B</i> , 2019 , 100,	3.3	20
188	Precise Size Control of the Growth of FeO Nanocubes over a Wide Size Range Using a Rationally Designed One-Pot Synthesis. <i>ACS Nano</i> , 2019 , 13, 7716-7728	16.7	41
187	Plasmon-enhanced magneto-optical detection of single-molecule magnets. <i>Materials Horizons</i> , 2019 , 6, 1148-1155	14.4	6
186	Tailoring the magnetic core of organic-coated iron oxides nanoparticles to influence their contrast efficiency for Magnetic Resonance Imaging. <i>Journal of Alloys and Compounds</i> , 2019 , 770, 58-66	5.7	18
185	Superparamagnetic iron oxide nanoparticles (SPIONs) modulate hERG ion channel activity. <i>Nanotoxicology</i> , 2019 , 13, 1197-1209	5.3	6
184	Role of Zn ²⁺ Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 6148-6157	3.8	41
183	Water-Based Synthesis and Enhanced CO ₂ Capture Performance of Perfluorinated Cerium-Based Metal-Organic Frameworks with UiO-66 and MIL-140 Topology. <i>ACS Sustainable Chemistry and Engineering</i> , 2019 , 7, 394-402	8.3	46
182	Same Not the Same: Thermally Driven Transformation of Nickel Phosphinate-Bipyridine One-Dimensional Chains into Three-Dimensional Coordination Polymers. <i>Crystal Growth and Design</i> , 2018 , 18, 2234-2242	3.5	5
181	Magnetic Hyperthermia and Radiation Therapy: Radiobiological Principles and Current Practice. <i>Nanomaterials</i> , 2018 , 8,	5.4	81
180	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28634-28643	3.6	36
179	Nanomaterials for Magnetoplasmonics ? 2018 , 191-220		4
178	Topotaxial Phase Transformation in Cobalt Doped Iron Oxide Core/Shell Hard Magnetic Nanoparticles. <i>Chemistry of Materials</i> , 2017 , 29, 1279-1289	9.6	23

177	Synthesis and Characterization of Core-Shell Magnetic Mesoporous Silica and Organosilica Nanostructures. <i>MRS Advances</i> , 2017 , 2, 1037-1045	0.7	15
176	Superparamagnetic iron oxide nanoparticles functionalized by peptide nucleic acids. <i>RSC Advances</i> , 2017 , 7, 15500-15512	3.7	30
175	Local spin dynamics of iron oxide magnetic nanoparticles dispersed in different solvents with variable size and shape: A H NMR study. <i>Journal of Chemical Physics</i> , 2017 , 146, 034703	3.9	10
174	Magneto-Optical (MO) Characterization Tools for Chemically Prepared Magnetic Nanomaterials 2017 , 457-509		
173	PEGylated Anionic Magnetofluorescent Nanoassemblies: Impact of Their Interface Structure on Magnetic Resonance Imaging Contrast and Cellular Uptake. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14242-14257	9.5	9
172	Optimized PAMAM coated magnetic nanoparticles for simultaneous hyperthermic treatment and contrast enhanced MRI diagnosis. <i>RSC Advances</i> , 2017 , 7, 44104-44111	3.7	6
171	Experimental determination of the frequency and field dependence of Specific Loss Power in Magnetic Fluid Hyperthermia. <i>Journal of Magnetism and Magnetic Materials</i> , 2017 , 444, 154-160	2.8	12
170	Assessing the hyperthermic properties of magnetic heterostructures: the case of gold-iron oxide composites. <i>Interface Focus</i> , 2016 , 6, 20160058	3.9	6
169	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 139-45	3.2	24
168	Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , 2016 , 2, 1500365	6.4	37
167	Solvothermally Driven Mn Doping and Clustering of Iron Oxide Nanoparticles for Heat Delivery Applications. <i>Chemistry - A European Journal</i> , 2016 , 22, 6666-75	4.8	22
166	On the magnetic anisotropy and nuclear relaxivity effects of Co and Ni doping in iron oxide nanoparticles. <i>Journal of Applied Physics</i> , 2016 , 119, 134301	2.5	14
165	Tuning the Composition of Alloy Nanoparticles Through Laser Mixing: The Role of Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 12810-12818	3.8	29
164	Strongly Exchange Coupled Core Shell Nanoparticles with High Magnetic Anisotropy: A Strategy toward Rare-Earth-Free Permanent Magnets. <i>Chemistry of Materials</i> , 2016 , 28, 4214-4222	9.6	71
163	Studying the effect of Zn-substitution on the magnetic and hyperthermic properties of cobalt ferrite nanoparticles. <i>Nanoscale</i> , 2016 , 8, 10124-37	7.7	128
162	Evolution of the magnetic structure with chemical composition in spinel iron oxide nanoparticles. <i>Nanoscale</i> , 2015 , 7, 13576-85	7.7	49
161	Multifunctional magnetic nanoparticles for enhanced intracellular drug transport. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 4134-4145	7.3	17
160	Exploring the Magnetic Properties of Cobalt-Ferrite Nanoparticles for the Development of a Rare-Earth-Free Permanent Magnet. <i>Chemistry of Materials</i> , 2015 , 27, 4048-4056	9.6	180

159	Surface Charge and Coating of CoFe ₂ O ₄ Nanoparticles: Evidence of Preserved Magnetic and Electronic Properties. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25529-25541	3.8	66
158	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , 2015 , 8, 4007-4023	10	49
157	Influence of cobalt doping on the hyperthermic efficiency of magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 380, 365-371	2.8	76
156	Design and optimization of lipid-modified poly(amidoamine) dendrimer coated iron oxide nanoparticles as probes for biomedical applications. <i>Nanoscale</i> , 2015 , 7, 7307-17	7.7	10
155	Magneto-Optical Probe for Investigation of Multiphase Fe Oxide Nanosystems. <i>Chemistry of Materials</i> , 2015 , 27, 466-473	9.6	14
154	Spin Dynamics in Hybrid Iron Oxide-Gold Nanostructures. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 1224-1233	3.8	8
153	Comparison of the magnetic, radiolabeling, hyperthermic and biodistribution properties of hybrid nanoparticles bearing CoFe ₂ O ₄ and Fe ₃ O ₄ metal cores. <i>Nanotechnology</i> , 2014 , 25, 025101	3.4	34
152	Multifunctional nanoprobos based on upconverting lanthanide doped CaF ₂ : towards biocompatible materials for biomedical imaging. <i>Biomaterials Science</i> , 2014 , 2, 1158-1171	7.4	23
151	Iron oxide superparamagnetic nanoparticles conjugated with a conformationally blocked B ₂ 2n antigen mimetic for macrophage activation. <i>Nanoscale</i> , 2014 , 6, 7643-55	7.7	16
150	A smart platform for hyperthermia application in cancer treatment: cobalt-doped ferrite nanoparticles mineralized in human ferritin cages. <i>ACS Nano</i> , 2014 , 8, 4705-19	16.7	154
149	In vivo anticancer evaluation of the hyperthermic efficacy of anti-human epidermal growth factor receptor-targeted PEG-based nanocarrier containing magnetic nanoparticles. <i>International Journal of Nanomedicine</i> , 2014 , 9, 3037-56	7.3	11
148	Grafting single molecule magnets on gold nanoparticles. <i>Small</i> , 2014 , 10, 323-9	11	26
147	Electrochemical characterization of core@shell CoFe ₂ O ₄ /Au composite. <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	12
146	Functionalization of PEGylated Fe ₃ O ₄ magnetic nanoparticles with tetrakisphosphate cavitation for biomedical application. <i>Nanoscale</i> , 2013 , 5, 11438-46	7.7	32
145	Biomedical tools based on magnetic nanoparticles 2013 ,		1
144	Copper sulfide nanocrystals with tunable composition by reduction of covellite nanocrystals with Cu ⁺ ions. <i>Journal of the American Chemical Society</i> , 2013 , 135, 17630-7	16.4	314
143	Circular magnetoplasmonic modes in gold nanoparticles. <i>Nano Letters</i> , 2013 , 13, 4785-9	11.5	86
142	Spin-polarization transfer in colloidal magnetic-plasmonic Au/iron oxide hetero-nanocrystals. <i>ACS Nano</i> , 2013 , 7, 857-66	16.7	61

141	Coexistence of plasmonic and magnetic properties in Au ₈₉ Fe ₁₁ nanoalloys. <i>Nanoscale</i> , 2013 , 5, 5611-9	7.7	77
140	EDS, HRTEM/STEM, and X-ray Absorption Spectroscopy Studies of Co-Substituted Maghemite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 9496-9506	3.8	14
139	Characterization of free-standing PEDOT:PSS/iron oxide nanoparticle composite thin films and application as conformable humidity sensors. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6324-32	9.5	84
138	Hybrid iron oxide-copolymer micelles and vesicles as contrast agents for MRI: impact of the nanostructure on the relaxometric properties. <i>Journal of Materials Chemistry B</i> , 2013 , 1, 5317-5328	7.3	54
137	Magnetism and spin dynamics of novel encapsulated iron oxide superparamagnetic nanoparticles. <i>Dalton Transactions</i> , 2013 , 42, 10282-91	4.3	4
136	Iron carbide nanoparticles growth in room temperature ionic liquids [C _n -MIM][BF ₄] (n = 12, 16). <i>Journal of Nanoparticle Research</i> , 2013 , 15, 1	2.3	7
135	NMR-D study of the local spin dynamics and magnetic anisotropy in different nearly monodispersed ferrite nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 066008	1.8	11
134	How does buoyancy of hydrogel microrobots affect their magnetic propulsion in liquids?. <i>Applied Physics Letters</i> , 2013 , 102, 124102	3.4	12
133	Cell uptake enhancement of folate targeted polymer coated magnetic nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , 2013 , 9, 949-64	4	36
132	Magnetic, optical and relaxometric properties of organically coated gold-magnetite (Au@Fe ₃ O ₄) hybrid nanoparticles for potential use in biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 2373-2379	2.8	56
131	Influence of π -Stacking Interactions on the Assembly of Layered Copper Phosphonate Coordination Polymers: Combined Powder Diffraction and Electron Paramagnetic Resonance Study. <i>Crystal Growth and Design</i> , 2012 , 12, 2327-2335	3.5	23
130	Exploring the Effect of Co Doping in Fine Maghemite Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8261-8270	3.8	73
129	Erforschung des Niemandslandes zwischen molekularen Magneten und magnetischen Nanopartikeln. <i>Angewandte Chemie</i> , 2012 , 124, 4876-4885	3.6	10
128	Exploring the no-man's land between molecular nanomagnets and magnetic nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 4792-800	16.4	62
127	¹ H-NMR study of the spin dynamics of fine superparamagnetic nanoparticles. <i>Physical Review B</i> , 2012 , 85,	3.3	10
126	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. <i>Journal of Materials Chemistry</i> , 2011 , 21, 3803		67
125	Water-dispersible sugar-coated iron oxide nanoparticles. An evaluation of their relaxometric and magnetic hyperthermia properties. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10459-72	16.4	207
124	Magnetic iron oxide nanoparticles with tunable size and free surface obtained via a "green" approach based on laser irradiation in water. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18665		47

123	Nickel nanoparticles in fullerene matrix fabricated by co-evaporation: structural, magnetic, and magneto-optical properties. <i>Applied Physics A: Materials Science and Processing</i> , 2011 , 103, 433-438	2.6	6
122	Determination of the relevant magnetic interactions in low-dimensional molecular materials: the fundamental role of single crystal high frequency EPR. <i>Dalton Transactions</i> , 2011 , 40, 10843-50	4.3	27
121	Oxide nanocrystal based nanocomposites for fabricating photoplastic AFM probes. <i>Nanoscale</i> , 2011 , 3, 4632-9	7.7	7
120	Controlled drug release under a low frequency magnetic field: effect of the citrate coating on magnetoliposomes stability. <i>Soft Matter</i> , 2011 , 7, 1025-1037	3.6	71
119	Biofunctionalization of anisotropic nanocrystalline semiconductor-magnetic heterostructures. <i>Langmuir</i> , 2011 , 27, 6962-70	4	21
118	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. <i>Physical Review B</i> , 2011 , 83,	3.3	25
117	Magnetic Resonance Imaging Contrast Agents Based on Iron Oxide Superparamagnetic Ferrofluids. <i>Chemistry of Materials</i> , 2010 , 22, 1739-1748	9.6	128
116	Dynamical formation of spatially localized arrays of aligned nanowires in plastic films with magnetic anisotropy. <i>ACS Nano</i> , 2010 , 4, 1873-8	16.7	78
115	Synthesis and studies of water-soluble Prussian Blue-type nanoparticles into chitosan beads. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 12760-70	3.6	38
114	Synthesis and microstructure of manganese ferrite colloidal nanocrystals. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5074-83	3.6	52
113	Effect of sequential grafting of magnetic nanoparticles onto metallic and semiconducting carbon-nanotube devices: towards self-assembled multi-dots. <i>Journal of Materials Chemistry</i> , 2010 , 20, 2099		22
112	Inverse freezing in molecular binary mixtures of alpha-cyclodextrin and 4-methylpyridine. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7026-31	3.6	2
111	Additive nanoscale embedding of functional nanoparticles on silicon surface. <i>Nanoscale</i> , 2010 , 2, 2069-72.7	7.7	25
110	Synthesis of iron oxide nanoparticles in <i>Listeria innocua</i> Dps (DNA-binding protein from starved cells): a study with the wild-type protein and a catalytic centre mutant. <i>Chemistry - A European Journal</i> , 2010 , 16, 709-17	4.8	35
109	Surfactant-assisted route to fabricate CoFe ₂ O ₄ individual nanoparticles and spherical assemblies. <i>Journal of Colloid and Interface Science</i> , 2010 , 343, 415-22	9.3	39
108	Magnetic interactions and magnetic anisotropy in exchange coupled 4f-3d systems: a case study of a heterodinuclear Ce ³⁺ -Fe ³⁺ cyanide-bridged complex. <i>Chemistry - A European Journal</i> , 2009 , 15, 1377-88	4.8	47
107	Synthesis and characterization of polyethylenimine-based iron oxide composites as novel contrast agents for MRI. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009 , 22, 77-87	2.8	43
106	Magnetic Nanocrystals Modified Epoxy Photoresist for Microfabrication of AFM probes. <i>Procedia Chemistry</i> , 2009 , 1, 580-584		2

105	A Structural and Magnetic Investigation of the Inversion Degree in Ferrite Nanocrystals MFe ₂ O ₄ (M = Mn, Co, Ni). <i>Journal of Physical Chemistry C</i> , 2009 , 113, 8606-8615	3.8	356
104	Cyano-bridged coordination polymer nanoparticles. <i>New Journal of Chemistry</i> , 2009 , 33, 1177	3.6	60
103	A Multifrequency EPR Study on Organic-Capped Anatase TiO ₂ Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 6221-6226	3.8	25
102	Electronic and magnetic properties of Ni nanoparticles embedded in various organic semiconductor matrices. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 4565-70	3.4	20
101	Water-soluble rhamnose-coated Fe ₃ O ₄ nanoparticles. <i>Organic Letters</i> , 2009 , 11, 2992-5	6.2	48
100	Magnetic anisotropy of dysprosium(III) in a low-symmetry environment: a theoretical and experimental investigation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 5573-9	16.4	232
99	Fluorescent asymmetrically cobalt-tipped CdSe@CdS core@shell nanorod heterostructures exhibiting room-temperature ferromagnetic behavior. <i>Journal of the American Chemical Society</i> , 2009 , 131, 12817-28	16.4	109
98	New copper(II)-radical one dimensional chain: Synthesis, crystal structure, EPR, magnetic properties and DFT calculations. <i>Dalton Transactions</i> , 2009 , 6816-24	4.3	24
97	Cu(II) complexation with an acridine-containing macrocycle. Assembly of water cluster chains within the cavity of tetranuclear metallomacrocycles. <i>Dalton Transactions</i> , 2009 , 1223-30	4.3	18
96	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 6555-68	3.6	51
95	The influence of composition and porosity on the magnetic properties of FeCo-SiO ₂ nanocomposite aerogels. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 1043-52	3.6	29
94	Synthesis and behaviour of size controlled cyano-bridged coordination polymer nanoparticles within hybrid mesoporous silica. <i>New Journal of Chemistry</i> , 2008 , 32, 273-282	3.6	64
93	Multifrequency EMR and Magnetic Characterization of Synthetic Powdered Hematite. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 9988-9995	3.8	16
92	Heterobinuclear Complexes as Tectons in Designing Coordination Polymers. <i>Crystal Growth and Design</i> , 2008 , 8, 941-949	3.5	84
91	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. <i>Chemistry of Materials</i> , 2008 , 20, 2405-2411	9.6	40
90	Magnetic and relaxometric properties of Mn ferrites. <i>Journal Physics D: Applied Physics</i> , 2008 , 41, 134021	3	27
89	Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e320-e323	2.8	42
88	Magnetic and relaxometric properties of polyethylenimine-coated superparamagnetic MRI contrast agents. <i>Journal of Magnetism and Magnetic Materials</i> , 2008 , 320, e316-e319	2.8	38

87	From multidomain particles to organic radicals: The multifaceted magnetic properties of tobacco and cigarette ash. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3882-3886	2.7	3
86	Insertion of a functionalised single molecule magnet into preformed self-assembled monolayers. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3944-3950	2.7	3
85	Coordination polymer nano-objects into ionic liquids: Nanoparticles and superstructures. <i>Inorganica Chimica Acta</i> , 2008 , 361, 3988-3996	2.7	29
84	Nanostructure, composition and magnetic properties in soft and hard Co ₃ O ₄ nanoparticles: The effect on the magnetic anisotropy. <i>Inorganica Chimica Acta</i> , 2008 , 361, 4138-4142	2.7	13
83	Direct Synthesis from Various Tetrachosphonic Building Blocks of Homologous Hybrid-Layered Copper(II) Derivatives Incorporating Copper Hydrate Cations. <i>Crystal Growth and Design</i> , 2007 , 7, 1881-1888	2.5	17
82	Experimental spin density in the high spin ground state of the Fe ₈ pcl cluster. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3802-3806	2.7	12
81	Relaxation dynamics of a photoinduced di-cobalt-tetraoxolene valence tautomer. <i>Inorganica Chimica Acta</i> , 2007 , 360, 3825-3828	2.7	18
80	Cobalt ferrite nanoparticles: The control of the particle size and surface state and their effects on magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 311, 10-16	2.8	167
79	Magneto-optical detection of the relaxation dynamics of alloy nanoparticles with a high-stability magnetic circular dichroism setup. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 316, e798-e801	2.8	8
78	A Shortcut To Organize Self-Assembled Monolayers of Cobalt Ferrite Nanoparticles on Silicon. <i>Chemistry of Materials</i> , 2007 , 19, 5980-5985	9.6	39
77	Structural and magnetic properties of pure and Ca-doped LaCoO ₃ nanopowders obtained by a sol-gel route. <i>Journal of Nanoscience and Nanotechnology</i> , 2006 , 6, 1060-7	1.3	13
76	Seeded growth of asymmetric binary nanocrystals made of a semiconductor TiO ₂ rodlike section and a magnetic gamma-Fe ₂ O ₃ spherical domain. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16953-70	16.4	153
75	Polynuclear lanthanide hydroxo complexes: new chemical precursors for coordination polymers. <i>Inorganic Chemistry</i> , 2005 , 44, 7743-50	5.1	72
74	Dinuclear ruthenium bipyridine complexes with a bis(iminodioxolene)-meta-phenylene ligand: magnetic coupling and mixed valence character of the semiquinonato species. <i>Dalton Transactions</i> , 2005 , 3868-73	4.3	8
73	Genetic evolution of nanocrystalline Fe oxide and oxyhydroxide assemblages from the Libiola mine (eastern Liguria, Italy): structural and microstructural investigations. <i>European Journal of Mineralogy</i> , 2005 , 17, 785-795	2.2	24
72	Non-Covalent Aggregation of Discrete Metallo-Supramolecular Helicates into Higher Assemblies by Aromatic Pathways: Structural and Chemical Studies of New Aniline-Based Neutral Metal(II) Dihelicates. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 3479-3490	2.3	34
71	Molecular engineering for single-chain-magnet behavior in a one-dimensional dysprosium-nitronyl nitroxide compound. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 5817-21	16.4	410
70	Molecular Engineering for Single-Chain-Magnet Behavior in a One-Dimensional Dysprosium Nitronyl Nitroxide Compound. <i>Angewandte Chemie</i> , 2005 , 117, 5967-5971	3.6	55

69	A New Route to Fabricate Monolayers of Magnetite Nanoparticles on Silicon. <i>Advanced Materials</i> , 2005 , 17, 1084-1087	24	39
68	Natural Fe-oxide and -oxyhydroxide nanoparticles: an EPR and SQUID investigation. <i>Mineralogy and Petrology</i> , 2005 , 85, 19-32	1.6	41
67	Structural and magnetic properties of FeAl silica composites prepared by sequential ion implantation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2004 , 216, 245-250	1.2	24
66	Synthesis, characterisation and application of silica-magnetite nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 284, 145-160	2.8	237
65	Antiferromagnetic exchange in meta-phenylene bridged bis(tris-o-iminosemiquinonato)metal complexes. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 1083-1084	2.8	2
64	Superparamagnetism and coercivity in HCP-Co nanoparticles dispersed in silica matrix. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, E1235-E1236	2.8	10
63	Thermally and light-induced valence tautomeric transition in a dinuclear cobalt-tetraoxolene complex. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 3136-8	16.4	169
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