

# Claudio Sangregorio

## List of Publications by Citations

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212  
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11,922  
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56  
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228  
ext. papers

12,731  
ext. citations

5.7  
avg, IF

5.85  
L-index

#	Paper	IF	Citations
212	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires The financial support of Italian MURST and CNR and of Brazilian CNPq and FUJB is acknowledged. The support from the European Community through the TMR program 3MD (contract no ERB4061PL97-0197) is also acknowledged. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 1760-1763	16.4	990
211	Quantum Tunneling of the Magnetization in an Iron Cluster Nanomagnet. <i>Physical Review Letters</i> , <b>1997</b> , 78, 4645-4648	7.4	635
210	Molecular engineering for single-chain-magnet behavior in a one-dimensional dysprosium-nitronyl nitroxide compound. <i>Angewandte Chemie - International Edition</i> , <b>2005</b> , 44, 5817-21	16.4	410
209	Single-Molecule Magnet Behavior of a Tetranuclear Iron(III) Complex. The Origin of Slow Magnetic Relaxation in Iron(III) Clusters. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 5302-5310	16.4	408
208	A Structural and Magnetic Investigation of the Inversion Degree in Ferrite Nanocrystals MFe <sub>2</sub> O <sub>4</sub> (M = Mn, Co, Ni). <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 8606-8615	3.8	356
207	Copper sulfide nanocrystals with tunable composition by reduction of covellite nanocrystals with Cu <sup>+</sup> ions. <i>Journal of the American Chemical Society</i> , <b>2013</b> , 135, 17630-7	16.4	314
206	Quinonoid metal complexes: toward molecular switches. <i>Accounts of Chemical Research</i> , <b>2004</b> , 37, 827-354.3	5.3	303
205	Synthesis, characterisation and application of silica-magnetite nanocomposites. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2004</b> , 284, 145-160	2.8	237
204	Magnetic anisotropy of dysprosium(III) in a low-symmetry environment: a theoretical and experimental investigation. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 5573-9	16.4	232
203	Characterization of Iron Oxide Nanoparticles in an Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> Composite Prepared by a Sol-Gel Method. <i>Chemistry of Materials</i> , <b>1998</b> , 10, 495-502	9.6	213
202	Water-dispersible sugar-coated iron oxide nanoparticles. An evaluation of their relaxometric and magnetic hyperthermia properties. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 10459-72	16.4	207
201	Observation of the Distribution of Molecular Spin States by Resonant Quantum Tunneling of the Magnetization. <i>Physical Review Letters</i> , <b>1999</b> , 82, 3903-3906	7.4	190
200	Structural and Magnetic Properties of Fe <sub>2</sub> O <sub>3</sub> Nanoparticles Dispersed over a Silica Matrix. <i>Journal of Physical Chemistry B</i> , <b>1998</b> , 102, 7721-7726	3.4	186
199	The molecular approach to nanoscale magnetism. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1999</b> , 200, 182-201	2.8	185
198	Exploring the Magnetic Properties of Cobalt-Ferrite Nanoparticles for the Development of a Rare-Earth-Free Permanent Magnet. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 4048-4056	9.6	180
197	Thermally and light-induced valence tautomeric transition in a dinuclear cobalt-tetraoxolene complex. <i>Angewandte Chemie - International Edition</i> , <b>2004</b> , 43, 3136-8	16.4	169
196	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> , <b>2007</b> , 311, 10-16	2.8	167

195	A smart platform for hyperthermia application in cancer treatment: cobalt-doped ferrite nanoparticles mineralized in human ferritin cages. <i>ACS Nano</i> , <b>2014</b> , 8, 4705-19	16.7	154
194	Seeded growth of asymmetric binary nanocrystals made of a semiconductor TiO <sub>2</sub> rodlike section and a magnetic gamma-Fe <sub>2</sub> O <sub>3</sub> spherical domain. <i>Journal of the American Chemical Society</i> , <b>2006</b> , 128, 16953-70	16.4	153
193	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 1810-1813	3.6	138
192	Magnetic Resonance Imaging Contrast Agents Based on Iron Oxide Superparamagnetic Ferrofluids. <i>Chemistry of Materials</i> , <b>2010</b> , 22, 1739-1748	9.6	128
191	Studying the effect of Zn-substitution on the magnetic and hyperthermic properties of cobalt ferrite nanoparticles. <i>Nanoscale</i> , <b>2016</b> , 8, 10124-37	7.7	128
190	Fluorescent asymmetrically cobalt-tipped CdSe@CdS core@shell nanorod heterostructures exhibiting room-temperature ferromagnetic behavior. <i>Journal of the American Chemical Society</i> , <b>2009</b> , 131, 12817-28	16.4	109
189	Assembly of Metal Anion Arrays within a Perovskite Host. Low-Temperature Synthesis of New Layered Copper Oxihalides, (CuX)LaNb <sub>2</sub> O <sub>7</sub> , X = Cl, Br. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 10743-10746	16.4	105
188	Glauber slow dynamics of the magnetization in a molecular Ising chain. <i>Europhysics Letters</i> , <b>2002</b> , 58, 771-777	1.6	102
187	Magnetism of cyano-bridged hetero-one-dimensional Ln <sup>3+</sup> -M <sup>3+</sup> complexes (Ln <sup>3+</sup> = Sm, Gd, Yb; M <sup>3+</sup> = Fe, S, Co). <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 5274-81	5.1	87
186	Circular magnetoplasmonic modes in gold nanoparticles. <i>Nano Letters</i> , <b>2013</b> , 13, 4785-9	11.5	86
185	Characterization of free-standing PEDOT:PSS/iron oxide nanoparticle composite thin films and application as conformable humidity sensors. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6324-32	9.5	84
184	Heterobinuclear Complexes as Tectons in Designing Coordination Polymers. <i>Crystal Growth and Design</i> , <b>2008</b> , 8, 941-949	3.5	84
183	Frequency-domain magnetic resonance spectroscopy of molecular magnetic materials. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 3837-3843	3.6	82
182	Magnetic Hyperthermia and Radiation Therapy: Radiobiological Principles and Current Practice. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	81
181	Dynamical formation of spatially localized arrays of aligned nanowires in plastic films with magnetic anisotropy. <i>ACS Nano</i> , <b>2010</b> , 4, 1873-8	16.7	78
180	Coexistence of plasmonic and magnetic properties in Au <sub>89</sub> Fe <sub>11</sub> nanoalloys. <i>Nanoscale</i> , <b>2013</b> , 5, 5611-9	7.7	77
179	Effects of shell thickness on blocking temperature of nanocomposites of metal particles with gold shells. <i>IEEE Transactions on Magnetics</i> , <b>1999</b> , 35, 3496-3498	2	77
178	Influence of cobalt doping on the hyperthermic efficiency of magnetite nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2015</b> , 380, 365-371	2.8	76

177	Exploring the Effect of Co Doping in Fine Maghemite Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 8261-8270	3.8	73
176	Polynuclear lanthanide hydroxo complexes: new chemical precursors for coordination polymers. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 7743-50	5.1	72
175	Tuning the physical properties of a metal complex by molecular techniques: the design and the synthesis of the simplest cobalt-o-dioxolene complex undergoing valence tautomerism. <i>Journal of Molecular Structure</i> , <b>2003</b> , 656, 141-154	3.4	72
174	Controlled drug release under a low frequency magnetic field: effect of the citrate coating on magnetoliposomes stability. <i>Soft Matter</i> , <b>2011</b> , 7, 1025-1037	3.6	71
173	Strongly Exchange Coupled Core Shell Nanoparticles with High Magnetic Anisotropy: A Strategy toward Rare-Earth-Free Permanent Magnets. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 4214-4222	9.6	71
172	Manganese(III) Formate: A Three-Dimensional Framework That Traps Carbon Dioxide Molecules. <i>Angewandte Chemie - International Edition</i> , <b>1999</b> , 38, 1780-1782	16.4	70
171	Superparamagnetic behaviour of Fe <sub>2</sub> O <sub>3</sub> nanoparticles dispersed in a silica matrix. <i>Physical Chemistry Chemical Physics</i> , <b>2001</b> , 3, 832-838	3.6	68
170	Top-down synthesis of multifunctional iron oxide nanoparticles for macrophage labelling and manipulation. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 3803		67
169	Surface Charge and Coating of CoFe <sub>2</sub> O <sub>4</sub> Nanoparticles: Evidence of Preserved Magnetic and Electronic Properties. <i>Journal of Physical Chemistry C</i> , <b>2015</b> , 119, 25529-25541	3.8	66
168	Optical spectroscopy of crystal-field transitions in the molecular magnet Fe <sub>8</sub> . <i>Physical Review B</i> , <b>2001</b> , 63,	3.3	66
167	Cobalt nanoclusters in silica glass: Nonlinear optical and magnetic properties. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 1176-1178	3.4	66
166	Synthesis and behaviour of size controlled cyano-bridged coordination polymer nanoparticles within hybrid mesoporous silica. <i>New Journal of Chemistry</i> , <b>2008</b> , 32, 273-282	3.6	64
165	Magnetic properties of Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> aerogel and xerogel nanocomposite materials. <i>Journal of Materials Chemistry</i> , <b>2001</b> , 11, 3180-3187		63
164	Exploring the no-man's land between molecular nanomagnets and magnetic nanoparticles. <i>Angewandte Chemie - International Edition</i> , <b>2012</b> , 51, 4792-800	16.4	62
163	Synthesis, Structure, and Magnetic Properties of Co, Ni, and Co/Ni Alloy Nanocluster-Doped SiO <sub>2</sub> Films by Sol-Gel Processing. <i>Chemistry of Materials</i> , <b>2002</b> , 14, 3440-3447	9.6	62
162	Synthesis of Cu <sub>3</sub> Au Nanocluster Alloy in Reverse Micelles. <i>Langmuir</i> , <b>1996</b> , 12, 5800-5802	4	62
161	Spin-polarization transfer in colloidal magnetic-plasmonic Au/iron oxide hetero-nanocrystals. <i>ACS Nano</i> , <b>2013</b> , 7, 857-66	16.7	61
160	Cyano-bridged coordination polymer nanoparticles. <i>New Journal of Chemistry</i> , <b>2009</b> , 33, 1177	3.6	60

159	Synthesis of magnetic silica-based nanocomposites containing Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Journal of Materials Chemistry</i> , <b>2004</b> , 14, 3026-3033		59
158	Local field dynamics in a resonant quantum tunneling system of magnetic molecules. <i>European Physical Journal B</i> , <b>1998</b> , 6, 195-199	1.2	58
157	Temperature-induced solid-state valence tautomeric interconversion in two cobalt-Schiff base diquinone complexes. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 6432-40	5.1	58
156	Magnetic, optical and relaxometric properties of organically coated gold-magnetite (Au@Fe <sub>3</sub> O <sub>4</sub> ) hybrid nanoparticles for potential use in biomedical applications. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2012</b> , 324, 2373-2379	2.8	56
155	A 3D network of helicates fully assembled by pi-stacking interactions. <i>Chemical Communications</i> , <b>2003</b> , 1840-1	5.8	56
154	Molecular Engineering for Single-Chain-Magnet Behavior in a One-Dimensional Dysprosium Nitronyl Nitroxide Compound. <i>Angewandte Chemie</i> , <b>2005</b> , 117, 5967-5971	3.6	55
153	Magnetic coupling induced increase in the blocking temperature of Fe <sub>2</sub> O <sub>3</sub> nanoparticles. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 7397-7399	2.5	55
152	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> , <b>2013</b> , 1, 5317-5328	7.3	54
151	Nanosized Iron Oxide Particles Entrapped in Pseudo-Single Crystals of Cyclodextrin. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 2016-2020	9.6	54
150	Fabrication and properties of magnetic particles with nanometer dimensions. <i>Synthetic Metals</i> , <b>2001</b> , 122, 547-557	3.6	53
149	Synthesis and microstructure of manganese ferrite colloidal nanocrystals. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 5074-83	3.6	52
148	Molecular nanomagnets and magnetic nanoparticles: the EMR contribution to a common approach. <i>Physical Chemistry Chemical Physics</i> , <b>2009</b> , 11, 6555-68	3.6	51
147	Non-Exponential Relaxation in a Resonant Quantum Tunneling System of Magnetic Molecules. <i>Journal of Low Temperature Physics</i> , <b>1998</b> , 113, 1141-1146	1.3	51
146	A new method for the synthesis of magnetoliposomes. <i>Journal of Applied Physics</i> , <b>1999</b> , 85, 5699-5701	2.5	51
145	Influence of Metal Content on Size, Dispersion, and Magnetic Properties of Iron-Cobalt Alloy Nanoparticles Embedded in Silica Matrix. <i>Chemistry of Materials</i> , <b>2004</b> , 16, 5659-5663	9.6	50
144	Evolution of the magnetic structure with chemical composition in spinel iron oxide nanoparticles. <i>Nanoscale</i> , <b>2015</b> , 7, 13576-85	7.7	49
143	Laser generation of iron-doped silver nanotruffles with magnetic and plasmonic properties. <i>Nano Research</i> , <b>2015</b> , 8, 4007-4023	10	49
142	Water-soluble rhamnose-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. <i>Organic Letters</i> , <b>2009</b> , 11, 2992-5	6.2	48

141	How to tailor maghemite particle size in Fe <sub>2</sub> O <sub>3</sub> /SiO <sub>2</sub> nanocomposites. <i>Journal of Materials Chemistry</i> , <b>2002</b> , 12, 3141-3146		48
140	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> , <b>2011</b> , 21, 18665		47
139	Magnetic interactions and magnetic anisotropy in exchange coupled 4f-3d systems: a case study of a heterodinuclear Ce <sup>3+</sup> -Fe <sup>3+</sup> cyanide-bridged complex. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 1377-88	4.8	47
138	Quantum tunneling of the magnetic moment in manganese and iron molecular clusters. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 177-181, 1330-1336	2.8	47
137	Water-Based Synthesis and Enhanced CO <sub>2</sub> Capture Performance of Perfluorinated Cerium-Based Metal-Organic Frameworks with UiO-66 and MIL-140 Topology. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2019</b> , 7, 394-402	8.3	46
136	Supramolecular interactions and magnetism of metal-radical chains. <i>Dalton Transactions RSC</i> , <b>2000</b> , 3907-3912		45
135	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> , <b>2009</b> , 22, 77-87	2.8	43
134	Tuning the magnetic properties of the high-spin molecular cluster Fe <sub>8</sub> . <i>ChemPhysChem</i> , <b>2001</b> , 2, 523-31	3.2	43
133	Magnetic properties of novel superparamagnetic MRI contrast agents based on colloidal nanocrystals. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, e320-e323	2.8	42
132	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> , <b>2019</b> , 13, 7716-7728	16.7	41
131	Natural Fe-oxide and -oxyhydroxide nanoparticles: an EPR and SQUID investigation. <i>Mineralogy and Petrology</i> , <b>2005</b> , 85, 19-32	1.6	41
130	Role of Zn <sup>2+</sup> Substitution on the Magnetic, Hyperthermic, and Relaxometric Properties of Cobalt Ferrite Nanoparticles. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 6148-6157	3.8	41
129	Site-Specific Anchoring of Tetrairon(III) Single Molecule Magnets on Functionalized Si(100) Surfaces. <i>Chemistry of Materials</i> , <b>2008</b> , 20, 2405-2411	9.6	40
128	Surfactant-assisted route to fabricate CoFe <sub>2</sub> O <sub>4</sub> individual nanoparticles and spherical assemblies. <i>Journal of Colloid and Interface Science</i> , <b>2010</b> , 343, 415-22	9.3	39
127	A Shortcut To Organize Self-Assembled Monolayers of Cobalt Ferrite Nanoparticles on Silicon. <i>Chemistry of Materials</i> , <b>2007</b> , 19, 5980-5985	9.6	39
126	A New Route to Fabricate Monolayers of Magnetite Nanoparticles on Silicon. <i>Advanced Materials</i> , <b>2005</b> , 17, 1084-1087	24	39
125	Synthesis and studies of water-soluble Prussian Blue-type nanoparticles into chitosan beads. <i>Physical Chemistry Chemical Physics</i> , <b>2010</b> , 12, 12760-70	3.6	38
124	Magnetic and relaxometric properties of polyethylenimine-coated superparamagnetic MRI contrast agents. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2008</b> , 320, e316-e319	2.8	38

123	Energy Product Enhancement in Imperfectly Exchange-Coupled Nanocomposite Magnets. <i>Advanced Electronic Materials</i> , <b>2016</b> , 2, 1500365	6.4	37
122	Cell uptake enhancement of folate targeted polymer coated magnetic nanoparticles. <i>Journal of Biomedical Nanotechnology</i> , <b>2013</b> , 9, 949-64	4	36
121	The interplay between single particle anisotropy and interparticle interactions in ensembles of magnetic nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2018</b> , 20, 28634-28643	3.6	36
120	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> , <b>2010</b> , 16, 709-17	4.8	35
119	Hadron Therapy, Magnetic Nanoparticles and Hyperthermia: A Promising Combined Tool for Pancreatic Cancer Treatment. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	35
118	Comparison of the magnetic, radiolabeling, hyperthermic and biodistribution properties of hybrid nanoparticles bearing CoFe <sub>2</sub> O <sub>4</sub> and Fe <sub>3</sub> O <sub>4</sub> metal cores. <i>Nanotechnology</i> , <b>2014</b> , 25, 025101	3.4	34
117	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> , <b>2005</b> , 2005, 3479-3490	2.3	34
116	Optically switchable behaviour of a dioxolene adduct of a cobalt-macrocyclic complex. <i>Chemical Physics Letters</i> , <b>2004</b> , 396, 198-201	2.5	33
115	Characterization of FeCoBiO <sub>2</sub> Nanocomposite Films Prepared by Sol-Gel Dip Coating. <i>Chemistry of Materials</i> , <b>2003</b> , 15, 2201-2207	9.6	33
114	Functionalization of PEGylated Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles with tetraphosphonate cavities for biomedical application. <i>Nanoscale</i> , <b>2013</b> , 5, 11438-46	7.7	32
113	Bonding coordination requirements induce antiferromagnetic coupling between m-phenylene bridged o-iminosemiquinonato diradicals. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 1701-6	5.1	31
112	Superparamagnetic iron oxide nanoparticles functionalized by peptide nucleic acids. <i>RSC Advances</i> , <b>2017</b> , 7, 15500-15512	3.7	30
111	The influence of composition and porosity on the magnetic properties of FeCo-SiO <sub>2</sub> nanocomposite aerogels. <i>Physical Chemistry Chemical Physics</i> , <b>2008</b> , 10, 1043-52	3.6	29
110	Coordination polymer nano-objects into ionic liquids: Nanoparticles and superstructures. <i>Inorganica Chimica Acta</i> , <b>2008</b> , 361, 3988-3996	2.7	29
109	Structural study of the thermal and photochemical spin states in the spin crossover complex [Fe(phen) <sub>2</sub> (NCSe) <sub>2</sub> ]. <i>Chemistry - A European Journal</i> , <b>2003</b> , 9, 5314-22	4.8	29
108	Tuning the Composition of Alloy Nanoparticles Through Laser Mixing: The Role of Surface Plasmon Resonance. <i>Journal of Physical Chemistry C</i> , <b>2016</b> , 120, 12810-12818	3.8	29
107	Crystal and molecular structure and magnetic exchange properties of bis(di-micro-ethoxy-bis(3,5-di-tert-butylsemiquinonato)dicopper(II)) complex. A synergy between DFT and experimental magnetochemistry. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 8065-71	5.1	28
106	Determination of the relevant magnetic interactions in low-dimensional molecular materials: the fundamental role of single crystal high frequency EPR. <i>Dalton Transactions</i> , <b>2011</b> , 40, 10843-50	4.3	27

105	Magnetic and relaxometric properties of Mn ferrites. <i>Journal Physics D: Applied Physics</i> , <b>2008</b> , 41, 1340213	27
104	Nanocrystalline iron-cobalt alloys supported on a silica matrix prepared by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , <b>2001</b> , 293-295, 1-9	3.9 27
103	Grafting single molecule magnets on gold nanoparticles. <i>Small</i> , <b>2014</b> , 10, 323-9	11 26
102	Additive nanoscale embedding of functional nanoparticles on silicon surface. <i>Nanoscale</i> , <b>2010</b> , 2, 2069-72.7	7.7 25
101	A Multifrequency EPR Study on Organic-Capped Anatase TiO <sub>2</sub> Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 6221-6226	3.8 25
100	Looking for quantum effects in magnetic nanoparticles using the molecular nanomagnet approach. <i>Physical Review B</i> , <b>2011</b> , 83,	3.3 25
99	A novel dimer of oxo-di(acetato)-bridged manganese(III) dimers complex of potential biological significance. <i>Inorganic Chemistry Communication</i> , <b>2000</b> , 3, 361-367	3.1 25
98	Characterization of magnetic nanoparticles from <i>Magnetospirillum Gryphiswaldense</i> as potential theranostics tools. <i>Contrast Media and Molecular Imaging</i> , <b>2016</b> , 11, 139-45	3.2 24
97	New copper(II)-radical one dimensional chain: Synthesis, crystal structure, EPR, magnetic properties and DFT calculations. <i>Dalton Transactions</i> , <b>2009</b> , 6816-24	4.3 24
96	Structural and magnetic properties of Fe-Al silica composites prepared by sequential ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2004</b> , 216, 245-250	1.2 24
95	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> , <b>2005</b> , 17, 785-795	2.2 24
94	Topotaxial Phase Transformation in Cobalt Doped Iron Oxide Core/Shell Hard Magnetic Nanoparticles. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1279-1289	9.6 23
93	Multifunctional nanoprobe based on upconverting lanthanide doped CaF <sub>2</sub> : towards biocompatible materials for biomedical imaging. <i>Biomaterials Science</i> , <b>2014</b> , 2, 1158-1171	7.4 23
92	Influence of $\pi$ -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> , <b>2012</b> , 12, 2327-2335	3.5 23
91	Magnetic properties of Co and Ni based alloy nanoparticles dispersed in a silica matrix. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2001</b> , 175-177, 479-484	1.2 23
90	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> , <b>2010</b> , 20, 2099	22
89	Solvothermally Driven Mn Doping and Clustering of Iron Oxide Nanoparticles for Heat Delivery Applications. <i>Chemistry - A European Journal</i> , <b>2016</b> , 22, 6666-75	4.8 22
88	Coupled hard-soft spinel ferrite-based core-shell nanoarchitectures: magnetic properties and heating abilities. <i>Nanoscale Advances</i> , <b>2020</b> , 2, 3191-3201	5.1 21



87	Biofunctionalization of anisotropic nanocrystalline semiconductor-magnetic heterostructures. <i>Langmuir</i> , <b>2011</b> , 27, 6962-70	4	21
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