

Jean-Marc Greneche

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.

268
papers

12,504
citations

54
h-index

104
g-index

278
ext. papers

13,669
ext. citations

4.9
avg, IF

5.96
L-index

#	Paper	IF	Citations
268	Tunable magnetocaloric effect in amorphous Gd-Fe-Co-Al-Si alloys. <i>Journal of Materials Science</i> , 2022 , 57, 553-562	4.3	0
267	A Comprehensive Study of Pristine and Calcined f-MWCNTs Functionalized by Nitrogen-Containing Functional Groups.. <i>Materials</i> , 2022 , 15,	3.5	2
266	Textured (Ce,La,Y)FeB permanent magnets by hot deformation. <i>Journal of Materials Research and Technology</i> , 2022 , 17, 1459-1468	5.5	2
265	Colours of Gemmy Phosphates from the GavñNeolithic Mines (Catalonia, Spain): Origin and Archaeological Significance. <i>Minerals (Basel, Switzerland)</i> , 2022 , 12, 368	2.4	1
264	Highly efficient water oxidation via a bimolecular reaction mechanism on rutile structured mixed-metal oxyfluorides. <i>Chem Catalysis</i> , 2022 ,		1
263	Improvement of the thermal stability of nanomaghemite by functionalization with type 5A zeolite and magnetic properties studied by in-field ⁵⁷ Fe Mössbauer measurements. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 552, 169241	2.8	2
262	Cu-mediated grain boundary engineering in NdCeFeB nanostructured permanent magnets. <i>Materials Today Nano</i> , 2022 , 100230	9.7	
261	Mössbauer analysis and induction heating evaluation of grapes like FZ@MWCNT towards cancer treatment. <i>Solid State Sciences</i> , 2021 , 122, 106756	3.4	
260	Polyol-Made Spinel Ferrite NanoparticlesLocal Structure and Operating Conditions: NiFe ₂ O ₄ as a Case Study. <i>Frontiers in Materials</i> , 2021 , 8,	4	1
259	First Mixed-Metal Fluoride Pyrochlores Obtained by Topotactic Oxidation of Ammonium Fluorides under F ₂ Gas. <i>Crystal Growth and Design</i> , 2021 , 21, 935-945	3.5	5
258	From magneto-elastic impedance model to accurate magneto-mechanical coefficient measurements. <i>Review of Scientific Instruments</i> , 2021 , 92, 035004	1.7	
257	A Detailed Investigation of the Onion Structure of Exchanged Coupled Magnetic FeO@CoFeO@FeO Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 16784-16800	9.5	6
256	⁵⁷ Fe Mössbauer spectrometry: A powerful technique to analyze the magnetic and phase characteristics in REFeB permanent magnets. <i>Chinese Physics B</i> , 2021 , 30, 013302	1.2	4
255	Amorphous IronManganese Oxyfluorides, Promising Catalysts for Oxygen Evolution Reaction under Acidic Media. <i>ACS Applied Energy Materials</i> , 2021 , 4, 1173-1181	6.1	6
254	Unveiling the role of surface, size, shape and defects of iron oxide nanoparticles for theranostic applications. <i>Nanoscale</i> , 2021 , 13, 14552-14571	7.7	7
253	Grain boundary engineering towards high-figure-of-merit Nd-Ce-Fe-B sintered magnets: Synergetic effects of (Nd, Pr)Hx and Cu co-dopants. <i>Acta Materialia</i> , 2021 , 204, 116529	8.4	18
252	Iron Stearate Structures: An Original Tool for Nanoparticles Design. <i>Inorganic Chemistry</i> , 2021 , 60, 12445-12456	5.5	5

251	Interaction of Corroding Iron with Eight Bentonites in the Alternative Buffer Materials Field Experiment (ABM2). <i>Minerals (Basel, Switzerland)</i> , 2021 , 11, 907	2.4	2
250	Impact of the charge transfer process on the Fe ²⁺ /Fe ³⁺ distribution at Fe ₃ O ₄ magnetic surface induced by deposited Pd clusters. <i>Surface Science</i> , 2021 , 712, 121879	1.8	0
249	Structure-Property-Function Relationships of Iron Oxide Multicore Nanoflowers in Magnetic Hyperthermia and Photothermia.. <i>ACS Nano</i> , 2021 ,	16.7	4
248	Stabilization of a mixed iron vanadium based hexagonal tungsten bronze hydroxyfluoride HTB-(FeV)F(OH) as a positive electrode for lithium-ion batteries. <i>Dalton Transactions</i> , 2020 , 49, 8186-8193	4.3	1
247	Exchange-bias features in nanoceramics prepared by spark plasma sintering of exchange-biased nanopowders. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 5941-5949	7.1	1
246	Effects of Sm content on the phase structure, microstructure and magnetic properties of the Sm Zr _{0.2} (Fe _{0.8} Co _{0.2}) _{11.5} Ti _{0.5} (x=0.8-1.4) alloys. <i>Journal of Alloys and Compounds</i> , 2020 , 828, 154428	5.7	12
245	Influence of gadolinium and dysprosium substitution on magnetic properties and magnetocaloric effect of Fe ₇₈ RE ₁₂ Si ₄ Nb ₅ B ₁₂ Cu ₁ amorphous alloys. <i>Journal of Rare Earths</i> , 2020 , 38, 1317-1321	3.7	2
244	Removal of As, As, Sb, and Hg ions from aqueous solutions by pure and co-precipitated akaganeite nanoparticles: adsorption kinetics studies.. <i>RSC Advances</i> , 2020 , 10, 42688-42698	3.7	3
243	Increasing the size of Fe ₃ O ₄ Nanoparticles by Performing a Multistep Seed-Mediated Growth Approach. <i>Crystal Growth and Design</i> , 2020 , 20, 1572-1582	3.5	3
242	On the magnetism of grain boundary phase and its contribution to the abnormal openness of recoil loops in hot-deformed magnets. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 095002	3	2
241	Harnessing Composition of Iron Oxide Nanoparticle: Impact of Solvent-Mediated Ligand-Ligand Interaction and Competition between Oxidation and Growth Kinetics. <i>Chemistry of Materials</i> , 2020 , 32, 9245-9259	9.6	10
240	Design of stable mixed-metal MIL-101(Cr/Fe) materials with enhanced catalytic activity for the Prins reaction. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 17002-17011	13	9
239	Exchange Bias in Chemically Reduced FeCo Alloy Nanostructures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019 , 216, 1900051	1.6	7
238	Evolution of REFe ₂ (RE = rare earth) phase in Nd-Ce-Fe-B magnets and resultant Ce segregation. <i>Scripta Materialia</i> , 2019 , 170, 150-155	5.6	27
237	Synthesis by Thermal Decomposition of Two Iron Hydroxyfluorides: Structural Effects of Li Insertion. <i>Chemistry of Materials</i> , 2019 , 31, 4246-4257	9.6	6
236	Thermomechanical Polymer Binder Reactivity with Positive Active Materials for Li Metal Polymer and Li-Ion Batteries: An XPS and XPS Imaging Study. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 18368-18376	9.5	21
235	New Amorphous Iron-Based Oxyfluorides as Cathode Materials for High-Capacity Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 21386-21394	3.8	11
234	Eighteen years of steel-bentonite interaction in the FEBEX in situ test at the Grimsel Test Site in Switzerland. <i>Clays and Clay Minerals</i> , 2019 , 67, 111-131	2.1	10

233	Strong magnetic exchange and frustrated ferrimagnetic order in a weberite-type inorganic-organic hybrid fluoride. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2019 , 377, 20180224	3	5
232	Thermodynamic properties of mixed-layer illite-smectite by calorimetric methods: Acquisition of the enthalpies of mixing of illite and smectite layers. <i>Journal of Chemical Thermodynamics</i> , 2019 , 138, 78-97	2.9	2
231	On the first evidence of exchange-bias feature in magnetically contrasted consolidates made from CoFeO-CoO core-shell nanoparticles. <i>Scientific Reports</i> , 2019 , 9, 19468	4.9	8
230	Influences of As(V), Sb(III), and Hg(II) ions on the nucleation and growth of akaganeite. <i>CrystEngComm</i> , 2019 , 21, 7155-7165	3.3	3
229	Influences of element segregation on the magnetic properties in nanocrystalline Nd-Ce-Fe-B alloys. <i>Materials Characterization</i> , 2019 , 148, 208-213	3.9	30
228	Thermal stability of the nanocrystalline Fe-8P (wt.%) powder produced by ball milling. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2018 , 193, 500-506	1	2
227	Exchange-Biased Fe ₃ O ₄ -CoO Granular Composites of Different Morphologies Prepared by Seed-Mediated Growth in Polyol: From Core-Shell to Multicore Embedded Structures. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800104	3.1	14
226	Maghemite Nanoparticles with Enhanced Magnetic Properties: One-Pot Preparation and Ultrastable Dextran Shell. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 20271-20280	9.5	12
225	Giant Exchange-Bias in Polyol-Made CoFe ₂ O ₄ -CoO Core-Shell Like Nanoparticles. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1800290	3.1	13
224	Confinement of Fe-Al-PMOF catalytic sites favours the formation of pyrazoline from ethyl diazoacetate with an unusual sharp increase of selectivity upon recycling. <i>Chemical Communications</i> , 2018 , 54, 10308-10311	5.8	12
223	Effect of reaction environment and in situ formation of the precursor on the composition and shape of iron oxide nanoparticles synthesized by the thermal decomposition method. <i>CrystEngComm</i> , 2018 , 20, 7206-7220	3.3	13
222	Correlation of cation distribution with the hyperfine and magnetic behaviour of NiZnCoCuFeO nanoparticles and their microwave absorption properties when encapsulated in multi-walled carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 085803	1.8	4
221	Effects of a thermal perturbation on mineralogy and pore water composition in a clay-rock: An experimental and modeling study. <i>Geochimica Et Cosmochimica Acta</i> , 2017 , 197, 193-214	5.5	15
220	Crystal structure study of manganese and titanium substituted BaLaFe ₂ O ₆ . <i>Journal of Solid State Chemistry</i> , 2017 , 251, 186-193	3.3	1
219	Gold-iron oxide dimers for magnetic hyperthermia: the key role of chloride ions in the synthesis to boost the heating efficiency. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 4587-4594	7.3	23
218	A magnetisation and Mössbauer study of triazole (MM)MF(Htaz)(taz) weberites (M = Fe, Co, Mn, Zn, Ga, V). <i>Dalton Transactions</i> , 2017 , 46, 5352-5362	4.3	6
217	Tuning the iron redox state inside a microporous porphyrinic metal organic framework. <i>Dalton Transactions</i> , 2017 , 46, 517-523	4.3	6
216	Atomic scale modeling of iron-doped biphasic calcium phosphate bioceramics. <i>Acta Biomaterialia</i> , 2017 , 50, 78-88	10.8	27

215	Microwave Absorption and the Magnetic Hyperthermia Applications of LiZnCoFeO Nanoparticles in Multiwalled Carbon Nanotube Matrix. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40831-40845	9.5	44
214	New Features and Uncovered Benefits of Polycrystalline Magnetite as Reusable Catalyst in Reductive Chemical Conversion. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 25195-25205	3.8	15
213	Maghemite-nanoMIL-100(Fe) Bimodal Nanovector as a Platform for Image-Guided Therapy. <i>Chem</i> , 2017 , 3, 303-322	16.2	48
212	Synthesis engineering of iron oxide raspberry-shaped nanostructures. <i>Nanoscale</i> , 2017 , 9, 305-313	7.7	11
211	Chapter 4:Iron-oxide Nanoparticle-based Contrast Agents. <i>New Developments in NMR</i> , 2017 , 318-447	0.9	4
210	Size and thickness effect on magnetic structures of maghemite hollow magnetic nanoparticles. <i>Journal of Nanoparticle Research</i> , 2016 , 18, 1	2.3	5
209	Pseudomorphic Transformation of Layered Simple Hydroxides into Prussian Blue Analogue Nanoplatelets. <i>European Journal of Inorganic Chemistry</i> , 2016 , 2016, 2030-2038	2.3	8
208	Low-Cost Nanostructured Iron Sulfide Electrocatalysts for PEM Water Electrolysis. <i>ACS Catalysis</i> , 2016 , 6, 2626-2631	13.1	83
207	Iron-Doped (La,Sr)MnO ₃ Manganites as Promising Mediators of Self-Controlled Magnetic Nanohyperthermia. <i>Nanoscale Research Letters</i> , 2016 , 11, 24	5	22
206	Genetic manipulation of iron biomineralization enhances MR relaxivity in a ferritin-M6A chimeric complex. <i>Scientific Reports</i> , 2016 , 6, 26550	4.9	14
205	Magnetic properties of FeCo alloy nanoparticles synthesized through instant chemical reduction. <i>Journal of Applied Physics</i> , 2016 , 120, 123906	2.5	16
204	Adsorption of reactive red dye (RR-120) on nanoadsorbent O-carboxymethylchitosan/Fe ₂ O ₃ : kinetic, equilibrium and factorial design studies. <i>RSC Advances</i> , 2016 , 6, 35058-35070	3.7	7
203	On the exact crystal structure of exchange-biased Fe ₃ O ₄ /CoO nanoaggregates produced by seed-mediated growth in polyol. <i>CrystEngComm</i> , 2016 , 18, 3799-3807	3.3	15
202	Structural behavior of laser-irradiated FeO nanocrystals dispersed in porous silica matrix : FeO to Fe ₂ O ₃ phase transition and formation of Fe ₂ O ₃ . <i>Science and Technology of Advanced Materials</i> , 2016 , 17, 597-609	7.1	36
201	[H ₂ amtaz] ⁺ iron fluorides: Synthesis, crystal structures, magnetic and Mössbauer studies. <i>Journal of Fluorine Chemistry</i> , 2015 , 173, 23-28	2.1	9
200	Iron and Porphyrin Metal-Organic Frameworks: Insight into Structural Diversity, Stability, and Porosity. <i>Crystal Growth and Design</i> , 2015 , 15, 1819-1826	3.5	43
199	Evidence of New Fluorinated Coordination Compounds in the Composition Space Diagram of FeF ₃ /ZnF ₂ /H ₂ amtetraz-HFaq System. <i>Crystal Growth and Design</i> , 2015 , 15, 4248-4255	3.5	10
198	Adsorption of Cr(VI) on crosslinked chitosan-Fe(III) complex in fixed-bed systems. <i>Journal of Water Process Engineering</i> , 2015 , 7, 141-152	6.7	32

197	Evolution of the magnetic structure with chemical composition in spinel iron oxide nanoparticles. <i>Nanoscale</i> , 2015 , 7, 13576-85	7.7	49
196	Improvement of Thermal Stability of Maghemite Nanoparticles Coated with Oleic Acid and Oleylamine Molecules: Investigations under Laser Irradiation. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 10662-10668	3.8	23
195	Direct accessibility of mixed-metal (III/II) acid sites through the rational synthesis of porous metal carboxylates. <i>Chemical Communications</i> , 2015 , 51, 10194-7	5.8	46
194	New iron tetrazolate frameworks: synthesis, temperature effect, thermal behaviour, Mössbauer and magnetic studies. <i>Dalton Transactions</i> , 2015 , 44, 7951-9	4.3	13
193	Systematic Study of Exchange Coupling in Core-Shell Fe ₃ O ₄ @CoO Nanoparticles. <i>Chemistry of Materials</i> , 2015 , 27, 4073-4081	9.6	34
192	Low Oxidation State and Enhanced Magnetic Properties Induced by Raspberry Shaped Nanostructures of Iron Oxide. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 24665-24673	3.8	21
191	Magnetically Recoverable Palladium(0) Nanocomposite Catalyst for Hydrogenation Reactions in Water. <i>ChemCatChem</i> , 2015 , 7, 309-315	5.2	34
190	The effect of temperature on carbon steel corrosion under geological conditions. <i>Applied Geochemistry</i> , 2015 , 52, 76-85	3.5	14
189	Grafting of diazonium salts on oxides surface: formation of aryl-O bonds on iron oxide nanoparticles. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	16
188	Diffusion on spatial network. <i>Journal of Physics: Conference Series</i> , 2015 , 604, 012008	0.3	0
187	Enhancing the magnetic anisotropy of maghemite nanoparticles via the surface coordination of molecular complexes. <i>Nature Communications</i> , 2015 , 6, 10139	17.4	29
186	A magnetic nanogel based on O-carboxymethylchitosan for antitumor drug delivery: synthesis, characterization and in vitro drug release. <i>Soft Matter</i> , 2014 , 10, 3441-50	3.6	32
185	Exchange-biased oxide-based core-shell nanoparticles produced by seed-mediated growth in polyol. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	12
184	Bioinspired Iron Sulfide Nanoparticles for Cheap and Long-Lived Electrocatalytic Molecular Hydrogen Evolution in Neutral Water. <i>ACS Catalysis</i> , 2014 , 4, 681-687	13.1	135
183	Enhanced heterotrophic denitrification in clay media: The role of mineral electron donors. <i>Chemical Geology</i> , 2014 , 390, 87-99	4.2	21
182	A novel and easy chemical-clock synthesis of nanocrystalline iron-cobalt bearing layered double hydroxides. <i>Journal of Colloid and Interface Science</i> , 2014 , 434, 130-40	9.3	11
181	Method development for evaluating the redox state of Callovo-Oxfordian clayrock and synthetic montmorillonite for nuclear waste management. <i>Applied Geochemistry</i> , 2014 , 49, 184-191	3.5	6
180	Tuning of Synthesis Conditions by Thermal Decomposition toward Core-Shell Co _x Fe _{1-x} Fe ₃ O ₄ and CoFe ₂ O ₄ Nanoparticles with Spherical and Cubic Shapes. <i>Chemistry of Materials</i> , 2014 , 26, 5063-5073	9.6	59

179	High-yield aqueous synthesis of multi-branched iron oxide core-gold shell nanoparticles: SERS substrate for immobilization and magnetic separation of bacteria. <i>Journal of Nanoparticle Research</i> , 2014 , 16, 1	2.3	4
178	Thermodynamic properties of chlorite and berthierine derived from calorimetric measurements. <i>Physics and Chemistry of Minerals</i> , 2014 , 41, 603-615	1.6	8
177	Effect of ball-milling and Fe-/Al-doping on the structural aspect and visible light photocatalytic activity of TiO ₂ towards Escherichia coli bacteria abatement. <i>Materials Science and Engineering C</i> , 2014 , 38, 11-9	8.3	24
176	Magnetic Iron Oxide Nanoparticles: Reproducible Tuning of the Size and Nanosized-Dependent Composition, Defects, and Spin Canting. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3795-3810	3.8	195
175	Metastable (Bi, M) ₂ (Fe, Mn, Bi)O _{6+x} (M = Na or K) pyrochlores from hydrothermal synthesis. <i>Inorganic Chemistry</i> , 2014 , 53, 13197-206	5.1	17
174	Magnetic interactions in [Fe ₂ O ₃ @SiO ₂] nanocomposites. <i>Journal of Applied Physics</i> , 2014 , 116, 053905	2.5	9
173	New series of hybrid fluoroferrates synthesized with triazoles: various dimensionalities and Mössbauer studies. <i>Dalton Transactions</i> , 2013 , 42, 15748-55	4.3	24
172	The impact of oscillating redox conditions: arsenic immobilisation in contaminated calcareous floodplain soils. <i>Environmental Pollution</i> , 2013 , 178, 254-63	9.3	47
171	On the use of amine-borane complexes to synthesize iron nanoparticles. <i>Chemistry - A European Journal</i> , 2013 , 19, 6021-6	4.8	10
170	The Contribution of ⁵⁷ Fe Mössbauer Spectrometry to Investigate Magnetic Nanomaterials 2013 , 187-241		15
169	Combining Soft Chemistry and Spark Plasma Sintering to Produce Highly Dense and Finely Grained Soft Ferrimagnetic Y ₃ Fe ₅ O ₁₂ (YIG) Ceramics. <i>Journal of the American Ceramic Society</i> , 2013 , 96, 3094-3099	3.8	16
168	Phase transformations in CaCO ₃ /iron oxide composite induced by thermal treatment and laser irradiation. <i>Journal of Raman Spectroscopy</i> , 2013 , 44, 489-495	2.3	12
167	High Exchange Bias in Fe ₃ O ₄ @CoO Core Shell Nanoparticles Synthesized by a One-Pot Seed-Mediated Growth Method. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 11436-11443	3.8	59
166	Isomorphous substitution in a flexible metal-organic framework: mixed-metal, mixed-valent MIL-53 type materials. <i>Inorganic Chemistry</i> , 2013 , 52, 8171-82	5.1	54
165	Synthesis, Mössbauer Characterization, and Ab Initio Modeling of Iron Oxide Nanoparticles of Medical Interest Functionalized by Dopamine. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 14295-14302	3.8	26
164	Magnetism influenced by structural disorder in melt-spun DyMn _{6-x} Ge _{6-x} Fe _x Al _x (x = 2.5, 3). <i>Hyperfine Interactions</i> , 2013 , 219, 69-74	0.8	
163	Thermodynamic properties of saponite, nontronite, and vermiculite derived from calorimetric measurements. <i>American Mineralogist</i> , 2013 , 98, 1834-1847	2.9	16
162	Enhancing The Possibilities of ⁵⁷ Fe Mössbauer Spectrometry to Study the Inherent Properties of Rust Layers 2013 , 415-428		1

161	IMPACTS OF SPATIAL STRUCTURE ON EPIDEMIC SPREADING. <i>International Journal of Modern Physics C</i> , 2012 , 23, 1250082	1.1	3
160	Comparison of Porous Iron Trimesates Basolite F300 and MIL-100(Fe) As Heterogeneous Catalysts for Lewis Acid and Oxidation Reactions: Roles of Structural Defects and Stability. <i>ACS Catalysis</i> , 2012 , 2, 2060-2065	13.1	167
159	Nanocomposite pyrite-greigite reactivity toward Se(IV)/Se(VI). <i>Environmental Science & Technology</i> , 2012 , 46, 4869-76	10.3	52
158	Coupled structural and magnetic properties of ferric fluoride nanostructures: Part II, a Monte Carlo-Eisenberg study. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3646-3651	2.8	1
157	Adsorption of hydrogen gas and redox processes in clays. <i>Environmental Science & Technology</i> , 2012 , 46, 3574-9	10.3	26
156	Insights into the Mechanism Related to the Phase Transition from γ -Fe ₂ O ₃ to α -Fe ₂ O ₃ Nanoparticles Induced by Thermal Treatment and Laser Irradiation. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 23785-23792	3.8	73
155	Superparamagnetic MFe ₂ O ₄ (M = Fe, Co, Mn) Nanoparticles: Tuning the Particle Size and Magnetic Properties through a Novel One-Step Coprecipitation Route. <i>Chemistry of Materials</i> , 2012 , 24, 1496-1504	9.6	364
154	Removal of cationic dyes from aqueous solutions using N-benzyl-O-carboxymethylchitosan magnetic nanoparticles. <i>Chemical Engineering Journal</i> , 2012 , 183, 284-293	14.7	83
153	Intracellular biosynthesis of superparamagnetic 2-lines ferri-hydrate nanoparticles using <i>Euglena gracilis</i> microalgae. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012 , 93, 20-3	6	36
152	Magnetism influenced by structural disorder in melt-spun DyMn ₆ \times Ge ₆ \times Fe _x Al _x (x = 2.5, 3) 2012 , 387-392		
151	Unravelling the effect of interparticle interactions and surface spin canting in γ -Fe ₂ O ₃ @SiO ₂ superparamagnetic nanoparticles. <i>Journal of Applied Physics</i> , 2011 , 109, 114319	2.5	32
150	Grain size effect on the phase transformation temperature of nanostructured CuFe ₂ O ₄ . <i>Journal of Applied Physics</i> , 2011 , 109, 013532	2.5	33
149	Cationic distribution and spin canting in CoFe ₂ O ₄ nanoparticles. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 426004	1.8	89
148	Stable polyoxometalate insertion within the mesoporous metal organic framework MIL-100(Fe). <i>Journal of Materials Chemistry</i> , 2011 , 21, 1226-1233		216
147	Series of Porous 3-D Coordination Polymers Based on Iron(III) and Porphyrin Derivatives. <i>Chemistry of Materials</i> , 2011 , 23, 4641-4651	9.6	66
146	Magnetic Iron Oxide Nanoparticles in 10-20 nm Range: Composition in Terms of Magnetite/Maghemite Ratio and Effect on the Magnetic Properties. <i>Chemistry of Materials</i> , 2011 , 23, 1379-1386	9.6	244
145	Spectroscopic studies of arsenic retention onto biotite. <i>Chemical Geology</i> , 2011 , 281, 83-92	4.2	29
144	Size-dependent magnetic properties of CoFe ₂ O ₄ nanoparticles prepared in polyol. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 506001	1.8	50

143	Synthesis, characterization and in vitro drug release of magnetic N-benzyl-O-carboxymethylchitosan nanoparticles loaded with indomethacin. <i>Acta Biomaterialia</i> , 2011 , 7, 3078-85	10.8	37
142	Structure and collaboration relationship analysis in a scientific collaboration network. <i>Science Bulletin</i> , 2011 , 56, 3702-3706		4
141	New evidences of in situ laser irradiation effects on γ -Fe ₂ O ₃ nanoparticles: a Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 239-242	2.3	77
140	Mictomagnetic behavior of structurally disordered melt-spun DyMn ₆ Ge ₆ Fe _x Al _x (0 ≤ x ≤ 6) alloys. <i>Journal of Applied Physics</i> , 2011 , 109, 123921	2.5	6
139	Design and Functionalization of Magnetic Core-Shell Oxide Nanoparticles Exhibiting Exchange Bias Features. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1359, 175		1
138	Mechanism of amorphous state formation, crystalline structure, and hyperfine interactions in DyMn ₆ Ge ₆ Fe _x (0 ≤ x ≤ 6) alloys. <i>Journal of Applied Physics</i> , 2010 , 108, 073516	2.5	4
137	Biodegradable therapeutic MOFs for the delivery of bioactive molecules. <i>Chemical Communications</i> , 2010 , 46, 4526-8	5.8	235
136	Annealing Effect on the Magnetic Properties of Polyol-made Ni ₂ Zn Ferrite Nanoparticles. <i>Chemistry of Materials</i> , 2010 , 22, 1350-1366	9.6	57
135	Spin Canting of Maghemite Studied by NMR and In-Field Mössbauer Spectrometry. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8794-8799	3.8	39
134	Microstructure and magnetism of nanoparticles with γ -Fe core surrounded by α -Fe and iron oxide shells. <i>Physical Review B</i> , 2010 , 81,	3.3	34
133	Electrical and magnetic behaviour of nanostructured MgFe ₂ O ₄ spinel ferrite. <i>Journal of Alloys and Compounds</i> , 2010 , 504, 395-402	5.7	83
132	Magnetic properties of Zn-substituted MnFe ₂ O ₄ nanoparticles synthesized in polyol as potential heating agents for hyperthermia. Evaluation of their toxicity on Endothelial cells. <i>Chemistry of Materials</i> , 2010 , 22, 5420-5429	9.6	89
131	Aggregation control of hydrophilic maghemite (γ -Fe ₂ O ₃) nanoparticles by surface doping using cerium atoms. <i>Journal of the American Chemical Society</i> , 2010 , 132, 12519-21	16.4	26
130	Fe(III)/Fe(II) regular charge order in metal-organic framework. <i>Chemical Communications</i> , 2010 , 46, 7987-98		28
129	Functionalization in flexible porous solids: effects on the pore opening and the host-guest interactions. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1127-36	16.4	384
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