

Anna Roig

List of Publications by Year in descending order

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207
papers

9,136
citations

41627

51
h-index

54771

88
g-index

214
all docs

214
docs citations

214
times ranked

13693
citing authors

#	ARTICLE	IF	CITATIONS
1	Endovascular administration of magnetized nanocarriers targeting brain delivery after stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2022, 42, 237-252.	2.4	9
2	Small-angle X-ray scattering to quantify the incorporation and analyze the disposition of magnetic nanoparticles inside cells. <i>Journal of Colloid and Interface Science</i> , 2022, 608, 1-12.	5.0	3
3	Magnetic Mesoporous Silica Nanorods Loaded with Ceria and Functionalized with Fluorophores for Multimodal Imaging. <i>ACS Applied Nano Materials</i> , 2022, 5, 2113-2125.	2.4	10
4	Riboflavin-citrate conjugate multicore SPIONs with enhanced magnetic responses and cellular uptake in breast cancer cells. <i>Nanoscale Advances</i> , 2022, 4, 1988-1998.	2.2	11
5	Au/TiO ₂ Photonic Crystals as UV-Visible Photocatalysts for H ₂ Production. <i>Advanced Energy Materials</i> , 2022, 12, .	10.2	24
6	Composites of porous carbon and copper-based nanoparticles for the electrochemical analysis of chemical oxygen demand. <i>Materials Today Chemistry</i> , 2022, 24, 100899.	1.7	3
7	Fluorescent PLGA Nanocarriers for Pulmonary Administration: Influence of the Surface Charge. <i>Pharmaceutics</i> , 2022, 14, 1447.	2.0	5
8	One-step double network hydrogels of photocurable monomers and bacterial cellulose fibers. <i>Carbohydrate Polymers</i> , 2022, 294, 119778.	5.1	9
9	Mitochondria-targeted magnetic gold nanoheterostructure for multi-modal imaging guided photothermal and photodynamic therapy of triple-negative breast cancer. <i>Chemical Engineering Journal</i> , 2021, 403, 126364.	6.6	41
10	Nanorods Based on Mesoporous Silica Containing Iron Oxide Nanoparticles as Catalytic Nanomotors: Study of Motion Dynamics. <i>ChemNanoMat</i> , 2021, 7, 134-140.	1.5	8
11	<i>In vivo</i> soft tissue reinforcement with bacterial nanocellulose. <i>Biomaterials Science</i> , 2021, 9, 3040-3050.	2.6	20
12	Limbic Stem Cells on Bacterial Nanocellulose Carriers for Ocular Surface Regeneration. <i>Small</i> , 2021, 17, e2003937.	5.2	15
13	Central nervous system delivery of molecules across the blood-brain barrier. <i>Neurochemistry International</i> , 2021, 144, 104952.	1.9	55
14	Bio and soft-imprinting lithography on bacterial cellulose films. <i>Materials Today Chemistry</i> , 2021, 21, 100535.	1.7	1
15	Copper Oxide Nanocubes Wrapping Metals by Microwave Synthesis. <i>Crystal Growth and Design</i> , 2021, 21, 5027-5035.	1.4	11
16	Sciatic nerve regeneration after traumatic injury using magnetic targeted adipose-derived mesenchymal stem cells. <i>Acta Biomaterialia</i> , 2021, 130, 234-247.	4.1	24
17	Patterning Bacterial Cellulose Films with Iron Oxide Nanoparticles and Magnetic Resonance Imaging Monitoring. <i>ACS Applied Polymer Materials</i> , 2021, 3, 4959-4965.	2.0	7
18	Carbons derived from alcohol-treated bacterial cellulose with optimal porosity for Li-O ₂ batteries. <i>Renewable Energy</i> , 2021, 177, 209-215.	4.3	8

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19	One-Step Biosynthesis of Soft Magnetic Bacterial Cellulose Spheres with Localized Nanoparticle Functionalization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 55569-55576.	4.0	3
20	MRI/Photoluminescence Dual-Modal Imaging Magnetic PLGA Nanocapsules for Theranostics. <i>Pharmaceutics</i> , 2020, 12, 16.	2.0	22
21	Bacterial Nanocellulose and Titania Hybrids: Cytocompatible and Cryopreservable Cell Carriers. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 4893-4902.	2.6	17
22	Accurate iron quantification in colloids and nanocomposites by a simple UV-Vis protocol. <i>Mikrochimica Acta</i> , 2020, 187, 488.	2.5	9
23	Bacterial nanocellulose from agro-industrial wastes: low-cost and enhanced production by <i>Komagataeibacter saccharivorans</i> MD1. <i>Scientific Reports</i> , 2020, 10, 3491.	1.6	143
24	From Silver Plates to Spherical Nanoparticles: Snapshots of Microwave-Assisted Polyol Synthesis. <i>ACS Omega</i> , 2020, 5, 5731-5738.	1.6	21
25	PLGA protein nanocarriers with tailor-made fluorescence/MRI/PET imaging modalities. <i>Nanoscale</i> , 2020, 12, 4988-5002.	2.8	22
26	Bacterial nanocellulose as a corneal bandage material: a comparison with amniotic membrane. <i>Biomaterials Science</i> , 2020, 8, 2921-2930.	2.6	32
27	Solar Harvesting: a Unique Opportunity for Organic Thermoelectrics?. <i>Advanced Energy Materials</i> , 2019, 9, 1902385.	10.2	25
28	Farming thermoelectric paper. <i>Energy and Environmental Science</i> , 2019, 12, 716-726.	15.6	66
29	Nanocellulose films with multiple functional nanoparticles in confined spatial distribution. <i>Nanoscale Horizons</i> , 2019, 4, 634-641.	4.1	46
30	Insights into Preformed Human Serum Albumin Corona on Iron Oxide Nanoparticles: Structure, Effect of Particle Size, Impact on MRI Efficiency, and Metabolization. <i>ACS Applied Bio Materials</i> , 2019, 2, 3084-3094.	2.3	27
31	Opportunities of Bacterial Cellulose to Treat Epithelial Tissues. <i>Current Drug Targets</i> , 2019, 20, 808-822.	1.0	41
32	Bacterial Cellulose Promotes Long-Term Stemness of mESC. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 16260-16269.	4.0	19
33	Free-standing three-dimensional hollow bacterial cellulose structures with controlled geometry via patterned superhydrophobic/hydrophilic surfaces. <i>Soft Matter</i> , 2018, 14, 3955-3962.	1.2	27
34	Magnetic wood by in situ synthesis of iron oxide nanoparticles via a microwave-assisted route. <i>Journal of Materials Chemistry C</i> , 2018, 6, 3395-3402.	2.7	23
35	Nanoclusters of crystallographically aligned nanoparticles for magnetic thermotherapy: aqueous ferrofluid, agarose phantoms and ex vivo melanoma tumour assessment. <i>Nanoscale</i> , 2018, 10, 21262-21274.	2.8	33
36	Metal Nanoparticle Carbon Gel Composites in Environmental Water Sensing Applications. <i>Chemical Record</i> , 2018, 18, 749-758.	2.9	4

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37	Fast and Simple Microwave Synthesis of TiO ₂ /Au Nanoparticles for Gas-Phase Photocatalytic Hydrogen Generation. <i>Frontiers in Chemistry</i> , 2018, 6, 110.	1.8	31
38	A Recoverable Ruthenium Aqua Complex Supported on Silica Particles: An Efficient Epoxidation Catalyst. <i>Chemistry - A European Journal</i> , 2017, 23, 4096-4107.	1.7	14
39	In vivo testing of gold nanoparticles using the <i>Caenorhabditis elegans</i> model organism. <i>Acta Biomaterialia</i> , 2017, 53, 598-609.	4.1	46
40	Anticipating hyperthermic efficiency of magnetic colloids using a semi-empirical model: a tool to help medical decisions. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 7176-7187.	1.3	12
41	Materials and toxicological approaches to study metal and metal-oxide nanoparticles in the model organism <i>Caenorhabditis elegans</i> . <i>Materials Horizons</i> , 2017, 4, 719-746.	6.4	23
42	Toxicogenomics of iron oxide nanoparticles in the nematode <i>C. elegans</i> . <i>Nanotoxicology</i> , 2017, 11, 647-657.	1.6	40
43	Carbon-Silica Composites to Produce Highly Robust Thin-Film Electrochemical Microdevices. <i>Advanced Materials Technologies</i> , 2017, 2, 1700163.	3.0	8
44	Ultrafast Synthesis and Coating of High-Quality Yb^{2+} -NaYF ₄ :Yb ³⁺ ,Ln ³⁺ Short Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5730-5735.	2.1	10
45	Albumin-coated SPIONs: an experimental and theoretical evaluation of protein conformation, binding affinity and competition with serum proteins. <i>Nanoscale</i> , 2016, 8, 14393-14405.	2.8	63
46	Anisotropic nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016, 191, 229-254.	1.6	8
47	Applications: general discussion. <i>Faraday Discussions</i> , 2016, 191, 565-595.	1.6	0
48	Janus and patchy nanoparticles: general discussion. <i>Faraday Discussions</i> , 2016, 191, 117-139.	1.6	3
49	Bio-identity and fate of albumin-coated SPIONs evaluated in cells and by the <i>C. elegans</i> model. <i>Acta Biomaterialia</i> , 2016, 43, 348-357.	4.1	41
50	Electrochemically Active Thin Carbon Films with Enhanced Adhesion to Silicon Substrates. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 31092-31099.	4.0	6
51	Screen-printed electrodes made of a bismuth nanoparticle porous carbon nanocomposite applied to the determination of heavy metal ions. <i>Mikrochimica Acta</i> , 2016, 183, 617-623.	2.5	83
52	Gold nanotriangles decorated with superparamagnetic iron oxide nanoparticles: a compositional and microstructural study. <i>Faraday Discussions</i> , 2016, 191, 215-227.	1.6	20
53	A silica-based magnetic platform decorated with mixed ligand gold nanoparticles: a recyclable catalyst for esterification reactions. <i>Chemical Communications</i> , 2016, 52, 5573-5576.	2.2	11
54	Hybrid polystyrene based electrospun fibers with spin-crossover properties. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2015, 53, 814-821.	2.4	3

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55	Encapsulation of VEGF ₁₆₅ into magnetic PLGA nanocapsules for potential local delivery and bioactivity in human brain endothelial cells. <i>Journal of Materials Chemistry B</i> , 2015, 3, 2538-2544.	2.9	25
56	<i>C. elegans</i> as a tool for in vivo nanoparticle assessment. <i>Advances in Colloid and Interface Science</i> , 2015, 219, 10-26.	7.0	132
57	Magnetic gold nanotriangles by microwave-assisted polyol synthesis. <i>Nanoscale</i> , 2015, 7, 14039-14046.	2.8	39
58	Scale-up synthesis of iron oxide nanoparticles by microwave-assisted thermal decomposition. <i>Chemical Engineering Journal</i> , 2015, 281, 87-95.	6.6	71
59	Electroanalytical Assessment of Heavy Metals in Waters with Bismuth Nanoparticle-Porous Carbon Paste Electrodes. <i>Electrochimica Acta</i> , 2015, 165, 155-161.	2.6	85
60	Dual T ₁ /T ₂ MRI contrast agent based on hybrid SPION@coordination polymer nanoparticles. <i>RSC Advances</i> , 2015, 5, 86779-86783.	1.7	33
61	Protective Effects of Bovine Serum Albumin on Superparamagnetic Iron Oxide Nanoparticles Evaluated in the Nematode <i>Caenorhabditis elegans</i> . <i>ACS Biomaterials Science and Engineering</i> , 2015, 1, 1129-1138.	2.6	46
62	A novel solventless coating method to graft low-molecular weight polyethyleneimine on silica fine powders. <i>Journal of Polymer Science Part A</i> , 2014, 52, 2760-2768.	2.5	9
63	Contrast Agents: Magnetically Decorated Multiwalled Carbon Nanotubes as Dual MRI and SPECT Contrast Agents (<i>Adv. Funct. Mater.</i> 13/2014). <i>Advanced Functional Materials</i> , 2014, 24, 1879-1879.	7.8	1
64	Expanding Effective-Medium Theory to Optical Diamagnetic Responses in Magnetoplasmonic Colloids. <i>Physical Review Applied</i> , 2014, 2, .	1.5	2
65	Bacterial cellulose films: influence of bacterial strain and drying route on film properties. <i>Cellulose</i> , 2014, 21, 4455-4469.	2.4	96
66	In vitro angiogenic performance and in vivo brain targeting of magnetized endothelial progenitor cells for neurorepair therapies. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 225-234.	1.7	53
67	Rapid synthesis of water-dispersible superparamagnetic iron oxide nanoparticles by a microwave-assisted route for safe labeling of endothelial progenitor cells. <i>Acta Biomaterialia</i> , 2014, 10, 3775-3785.	4.1	57
68	Enhanced spontaneous magnetization in the core of nickel nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 363, 195-200.	1.0	1
69	Multiferroic Iron Oxide Thin Films at Room Temperature. <i>Advanced Materials</i> , 2014, 26, 4645-4652.	11.1	172
70	Preparation and study of naproxen in silica and lipid/polymer hybrid composites. <i>RSC Advances</i> , 2014, 4, 7084.	1.7	5
71	Origami magnetic cellulose: controlled magnetic fraction and patterning of flexible bacterial cellulose. <i>Journal of Materials Chemistry C</i> , 2014, 2, 6312-6318.	2.7	33
72	Enhanced stability of superparamagnetic iron oxide nanoparticles in biological media using a pH adjusted-BSA adsorption protocol. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	34

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73	Compressed antisolvent process for polymer coating of drug-loaded aerogel nanoparticles and study of the release behavior. <i>Colloid and Polymer Science</i> , 2014, 292, 2475-2484.	1.0	16
74	Magnetically Decorated Multiwalled Carbon Nanotubes as Dual MRI and SPECT Contrast Agents. <i>Advanced Functional Materials</i> , 2014, 24, 1880-1894.	7.8	72
75	Angiogenic performance of magnetized endothelial progenitor cells for stroke therapies. <i>Cytotherapy</i> , 2014, 16, S63.	0.3	0
76	Nanostructured silica-based drug delivery vehicles for hydrophobic and moisture sensitive drugs. <i>Journal of Supercritical Fluids</i> , 2013, 73, 34-42.	1.6	50
77	Facile synthesis of porous bismuth-carbon nanocomposites for the sensitive detection of heavy metals. <i>Journal of Materials Chemistry A</i> , 2013, 1, 11410.	5.2	64
78	Ultrafast and continuous synthesis of crystalline ferrite nanoparticles in supercritical ethanol. <i>Nanoscale</i> , 2013, 5, 2126.	2.8	31
79	Microwaves as a synthetic route for preparing electrochemically active TiO ₂ nanoparticles. <i>Journal of Materials Research</i> , 2013, 28, 340-347.	1.2	10
80	CHAPTER 10. Chemical Routes to Fabricate Three-Dimensional Magnetophotonic Crystals. <i>RSC Smart Materials</i> , 2013, , 262-291.	0.1	0
81	Solution-processable carboxylate-capped CuO nanoparticles obtained by a simple solventless method. <i>Journal of Nanoparticle Research</i> , 2012, 14, 1.	0.8	12
82	Design of biocompatible magnetic pectin aerogel monoliths and microspheres. <i>RSC Advances</i> , 2012, 2, 9816.	1.7	58
83	Surface Reactivity of Iron Oxide Nanoparticles by Microwave-Assisted Synthesis; Comparison with the Thermal Decomposition Route. <i>Journal of Physical Chemistry C</i> , 2012, 116, 15108-15116.	1.5	89
84	Magneto-Optical Enhancement by Plasmon Excitations in Nanoparticle/Metal Structures. <i>Langmuir</i> , 2012, 28, 9010-9020.	1.6	23
85	2D Magnetic Frames Obtained by the Microwave-Assisted Chemistry Approach. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 2656-2660.	1.0	6
86	Preparation and characterization of iron-containing liposomes: their effect on soluble iron uptake by Caco-2 cells. <i>Journal of Liposome Research</i> , 2011, 21, 203-212.	1.5	18
87	Nanocomposites combining conducting and superparamagnetic components prepared via an organogel. <i>Soft Matter</i> , 2011, 7, 2755.	1.2	12
88	A Cast-Mold Approach to Iron Oxide and Pt/Iron Oxide Nanocontainers and Nanoparticles with a Reactive Concave Surface. <i>Journal of the American Chemical Society</i> , 2011, 133, 2205-2217.	6.6	71
89	Magnetophotonic Response of Three-Dimensional Opals. <i>ACS Nano</i> , 2011, 5, 2957-2963.	7.3	21
90	Optical and electrical properties of colloidal (spherical Au)-(spinel ferrite nanorod) heterostructures. <i>Nanoscale</i> , 2011, 3, 4647.	2.8	21

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91	Ultrathin conformal coating for complex magneto-photonic structures. <i>Nanoscale</i> , 2011, 3, 4811.	2.8	12
92	Structure of a spin-crossover Fe(II)-1,2,4-triazole polymer complex dispersed in an isotactic polystyrene matrix. <i>European Polymer Journal</i> , 2011, 47, 52-60.	2.6	38
93	Experimental study on T2 relaxation time of protons in water suspensions of iron-oxide nanoparticles: Cases of composite nanospheres. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 2487-2492.	1.0	9
94	Facile route to magnetophotonic crystals by infiltration of 3D inverse opals with magnetic nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1494-1496.	1.0	13
95	Size analysis and magnetic structure of nickel nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 3834-3840.	1.0	26
96	High transversal relaxivities of silica coated multicore iron oxide nanoparticles suitable for magnetic resonance imaging. <i>Materials Research Society Symposia Proceedings</i> , 2010, 1257, 1.	0.1	0
97	Epitaxial stabilization of γ -Fe ₂ O ₃ (001) thin films on SrTiO ₃ (111). <i>Applied Physics Letters</i> , 2010, 96, .	1.5	79
98	Magneto-Optical Characterization of Colloidal Dispersions. Application to Nickel Nanoparticles. <i>Langmuir</i> , 2010, 26, 12548-12552.	1.6	18
99	A clean and effective supercritical carbon dioxide method for the host-guest synthesis and encapsulation of photoactive molecules in nanoporous matrices. <i>Green Chemistry</i> , 2010, 12, 2196.	4.6	13
100	Nonzero orbital moment in high coercivity γ -Fe ₂ O ₃ nanoparticles. <i>Physical Review B</i> , 2009, 79, .	11	105
101	Supercritical-Fluid-Assisted One-Pot Synthesis of Biocompatible Core (Fe ₂ O ₃)/Shell (SiO ₂) Nanoparticles as High Relaxivity Contrast Agents for Magnetic Resonance Imaging. <i>Advanced Functional Materials</i> , 2009, 19, 2319-2324.	7.8	132
102	Size determination of superparamagnetic nanoparticles from magnetization curve. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	99
103	Crystal-structure refinement of Fe ³⁺ -rich aerinite from synchrotron powder diffraction and Mossbauer data. <i>European Journal of Mineralogy</i> , 2009, 21, 233-240.	0.4	9
104	Nanospheres of Silica with an γ -Fe ₂ O ₃ Single Crystal Nucleus. <i>ACS Nano</i> , 2009, 3, 3377-3382.	7.3	55
105	Magnetic behaviour of Fe-Cr nanoparticle systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, e683-e687.	1.0	9
106	Organo-modified silica aerogels and implications for material hydrophobicity and mechanical properties. <i>Journal of Materials Chemistry</i> , 2008, 18, 207-213.	6.7	47
107	Chelate-Size Effects on the Structures, Chemical Behavior, Properties, and Catalytic Activity of the New Palladium(II)-Allyl Complexes [Pd(η^3 -R ¹ -C ₃ H ₄){Fc(η^5 -C ₅ H ₅)Fe(η^5 -C ₅ H ₄)} _n] ⁺ (Fc = (η^5 -C ₅ H ₅)Fe(η^5 -C ₅ H ₄), $n = 2$ or 1 , and R ¹ = H or Ph). <i>Organometallics</i> , 2008, 27, 4288-4299.		
108	Sonogashira Cross-Coupling Using Carbon Aerogel Doped with Palladium Nanoparticles; A Recoverable and Reusable Catalyst. <i>Synthesis</i> , 2007, 2007, 3068-3072.	1.2	4

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109	Heterodimetallic Palladium(II) Complexes with Bidentate (N,S) or Terdentate (C,N,S)-Ferrocenyl Ligands. The Effect of the Ligand Donor Atoms on the Regioselectivity of the Allylic Alkylation of Cinnamyl Acetate. <i>Organometallics</i> , 2007, 26, 571-576.	1.1	22
110	Relaxometric and Magnetic Characterization of Ultrasmall Iron Oxide Nanoparticles with High Magnetization. Evaluation as Potential T1 Magnetic Resonance Imaging Contrast Agents for Molecular Imaging. <i>Langmuir</i> , 2007, 23, 4583-4588.	1.6	207
111	Stabilization of metastable phases in spatially restricted fields: the case of the Fe ₂ O ₃ polymorphs. <i>Faraday Discussions</i> , 2007, 136, 345.	1.6	55
112	Efficient hydroxycarbonylation of aryl iodides using recoverable and reusable carbon aerogels doped with palladium nanoparticles as catalyst. <i>Tetrahedron</i> , 2007, 63, 2519-2523.	1.0	37
113	Mössbauer studies on ultraporous Fe-Oxide/SiO ₂ aerogel. <i>Hyperfine Interactions</i> , 2007, 165, 203-208.	0.2	3
114	An iron-based T1 contrast agent made of iron-phosphate complexes: In vitro and in vivo studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2007, 20, 27-37.	1.1	15
115	Highly dispersed nickel and palladium nanoparticle silica aerogels: sol-gel processing of tethered metal complexes and application as catalysts in the Mizoroki-Heck reaction. <i>New Journal of Chemistry</i> , 2006, 30, 1093-1097.	1.4	56
116	Novel Palladacycles Containing [C(sp ² , ferrocene), N, O]- or [C(sp ² , ferrocene), N, O] ₂ - Terdentate Ligands. <i>Organometallics</i> , 2006, 25, 596-601.	1.1	38
117	Absence of ferromagnetism in Fe-doped TiO ₂ nanoparticles. <i>Applied Physics Letters</i> , 2006, 89, 122501.	1.5	47
118	Magnetolectric coupling in μ -Fe ₂ O ₃ nanoparticles. <i>Nanotechnology</i> , 2006, 17, 687-691.	1.3	99
119	Structural and magnetic properties of bulk alloys and aerosol nanoparticles in the Fe _{100-x} Crx system. <i>Journal of Alloys and Compounds</i> , 2006, 416, 51-57.	2.8	11
120	Synthesis and structural characteristics of carbon aerogels with a high content of Fe, Co, Ni, Cu, and Pd. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2772-2777.	1.5	56
121	Efficient optical materials based on fluorinated-polymeric silica aerogels. <i>Chemical Physics Letters</i> , 2006, 427, 375-378.	1.2	8
122	A new approach to increase the Curie temperature of Fe-Mo double perovskites. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2006, 126, 139-142.	1.7	15
123	Investigations of the stability of $\{[(\text{tacn})_6\text{Fe}_8(\frac{1}{4}3\text{-O})_2(\frac{1}{2}\text{-OH})_{12}]\text{Br}_7(\text{H}_2\text{O})\}\cdot 8\text{H}_2\text{O}$ (Fe ₈) cluster in aqueous solution by spectroscopic and magnetic methods. <i>Polyhedron</i> , 2006, 25, 113-118.	1.0	7
124	Relationships between ⁵⁷ Fe NMR, Mössbauer parameters, electrochemical properties and the structures of ferrocenylketimines. <i>Journal of Organometallic Chemistry</i> , 2006, 691, 475-484.	0.8	27
125	High- and Low-Temperature Crystal and Magnetic Structures of μ -Fe ₂ O ₃ and Their Correlation to Its Magnetic Properties. <i>Chemistry of Materials</i> , 2006, 18, 3889-3897.	3.2	150
126	Europium-Containing Organic Gels and Organic and Carbon Aerogels. Preparation and Initial Applications in Catalysis. <i>Monatshefte für Chemie</i> , 2006, 137, 627-633.	0.9	11

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127	Faraday rotation measurements in maghemite-silica aerogels. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 301, 175-180.	1.0	12
128	Prospects of Fe/MCM-41 as a Catalyst for Hydrocarbon Synthesis. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	5
129	In vitro characterization of an Fe ₈ cluster as potential MRI contrast agent. <i>NMR in Biomedicine</i> , 2005, 18, 300-307.	1.6	24
130	Thermal Transformation of (NH ₄)[Fe(AsO ₄)F] into the New Textural Porous Orthorhombic Fe(AsO ₄) Phase. <i>Crystal Structures, Thermal Behavior, and Spectroscopic and Magnetic Properties.. ChemInform</i> , 2005, 36, no.	0.1	0
131	Magnetic properties of Fe nanoparticle systems. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 127-130.	1.0	15
132	Synthesis, characterization and structure of diiron organometallic derivatives of 2,9-dimethyl-1,10-dihydro-dicyclopenta[a,h]naphthalene. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 1340-1349.	0.8	11
133	Aerosol nanoparticles in the Fe _{1-x} Crx system: Room-temperature stabilization of the γ phase and γ -phase transformation. <i>Journal of Applied Physics</i> , 2005, 98, 024303.	1.1	17
134	Detailed magnetic dynamic behaviour of nanocomposite iron oxide aerogels. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 6519-6531.	0.7	20
135	Increasing the Curie temperature of Ca ₂ FeMoO ₆ double perovskite by introducing near-neighbour antiferromagnetic interactions. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 8037-8047.	0.7	17
136	Ring-Chain Tautomerism of the Novel 2-Ferrocenyl-2,4-dihydro-1H-3,1-benzoxazine. <i>Journal of Organic Chemistry</i> , 2005, 70, 4857-4860.	1.7	27
137	Nanosized metallic particles embedded in silica and carbon aerogels as catalysts in the Mizoroki-Heck coupling reaction. <i>New Journal of Chemistry</i> , 2005, 29, 1342.	1.4	63
138	Polymer-Filled Nanoporous Silica Aerogels as Hosts for Highly Stable Solid-State Dye Lasers. <i>Journal of Physical Chemistry B</i> , 2005, 109, 4475-4480.	1.2	49
139	Differences in the Magnetic Properties of Co, Fe, and Ni 250~300 nm Wide Nanowires Electrodeposited in Amorphous Anodized Alumina Templates. <i>Chemistry of Materials</i> , 2005, 17, 1829-1834.	3.2	116
140	Large coercivity and low-temperature magnetic reorientation in μ -Fe ₂ O ₃ nanoparticles. <i>Journal of Applied Physics</i> , 2005, 98, 044307.	1.1	103
141	Effect of surface modifications on magnetic coupling in Fe nanoparticle systems. <i>Physical Review B</i> , 2004, 70, .	1.1	18
142	Highly stable solid state dye lasers based on polymer-filled nanoporous silica aerogels. , 2004, 5460, 44.		1
143	Microstructure and magnetic properties of Fe ₈₁ P ₁₃ Si ₂ Nb ₃ Cu ₁ nanocrystalline alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1360-1361.	1.0	0
144	Synthesis, morphological-structural characterization and magnetic properties of amorphous iron (III)-oxyhydroxy-phosphate nanoparticles. <i>Journal of Solid State Chemistry</i> , 2004, 177, 2440-2448.	1.4	3

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145	Thermal Transformation of (NH ₄)[Fe(AsO ₄)F] Into the New Textural Porous Orthorhombic Fe(AsO ₄) Phase. Crystal Structures, Thermal Behavior, and Spectroscopic and Magnetic Properties. Chemistry of Materials, 2004, 16, 5249-5259.	3.2	26
146	Ultraporous Single Phase Iron Oxide-Silica Nanostructured Aerogels from Ferrous Precursors. Langmuir, 2004, 20, 1425-1429.	1.6	31
147	Novel Five-Membered Pallada- and Platinacycles Containing a [C(sp ² , ferrocene), N, S]-Terdentate Ligand. Theoretical Interpretation of Their Electrochemical and Electronic Properties Based on Density Functional Calculations. Organometallics, 2004, 23, 224-236.	1.1	47
148	Optimized Synthesis of the Elusive γ -Fe ₂ O ₃ Phase via Sol-Gel Chemistry. Chemistry of Materials, 2004, 16, 5542-5548.	3.2	128
149	Superhydrophobic silica aerogels by fluorination at the gel stage. Chemical Communications, 2004, , 2316-2317.	2.2	57
150	Sol-Gel Route to Direct Formation of Silica Aerogel Microparticles Using Supercritical Solvents. Journal of Sol-Gel Science and Technology, 2003, 26, 645-649.	1.1	92
151	Silica aerogel-iron oxide nanocomposites: recoverable catalysts in conjugate additions and in the Biginelli reaction. Tetrahedron, 2003, 59, 1553-1556.	1.0	51
152	Periodically Mesostuctured Silica Monoliths from Diol-Modified Silanes. Chemistry of Materials, 2003, 15, 2690-2692.	3.2	87
153	High-coercivity ultralight transparent magnets. Applied Physics Letters, 2003, 82, 4307-4309.	1.5	30
154	Aerogel thin film synthesis by a supercritical fluid-assisted sol-gel route in a single processing unit. Journal of Materials Chemistry, 2003, 13, 2066-2068.	6.7	7
155	Evaluation of the importance of germinative cycles for destruction of bacillus cereus spores in miniature cheeses. High Pressure Research, 2003, 23, 81-85.	0.4	9
156	Viscoelasticity of silica aerogels at ultrasonic frequencies. Applied Physics Letters, 2002, 81, 1198-1200.	1.5	57
157	Effect of Asymmetry on the Electronic Delocalization in Diiron and Iron-Cobalt Mixed Valence Metallocenic Compounds. Inorganic Chemistry, 2002, 41, 1831-1836.	1.9	12
158	Preparation of Narrow Size Distribution Superparamagnetic γ -Fe ₂ O ₃ Nanoparticles in a Sol-Gel Transparent SiO ₂ Matrix. Langmuir, 2002, 18, 4972-4978.	1.6	112
159	Iron oxide nanoparticles hosted in silica aerogels. Applied Physics A: Materials Science and Processing, 2002, 74, 591-597.	1.1	60
160	Micromechanical properties of carbon-silica aerogel composites. Applied Physics A: Materials Science and Processing, 2002, 74, 119-122.	1.1	20
161	Miniaturization of a Mössbauer Spectrometer Using a Piezotransducer and a Solid State Detector. Hyperfine Interactions, 2002, 141/142, 125-129.	0.2	6
162	Silica aerogel-iron oxide nanocomposites: structural and magnetic properties. Journal of Non-Crystalline Solids, 2001, 285, 37-43.	1.5	65

#	ARTICLE	IF	CITATIONS
163	Mechanical properties of silica aerogels measured by microindentation: influence of sol-gel processing parameters and carbon addition. <i>Journal of Non-Crystalline Solids</i> , 2001, 285, 244-250.	1.5	57
164	Antisite defects and magnetoresistance in Sr ₂ FeMoO ₆ double perovskite. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 8481-8488.	0.7	108
165	Cationic ordering control of magnetization in Sr ₂ FeMoO ₆ double perovskite. <i>Applied Physics Letters</i> , 2001, 78, 781-783.	1.5	379
166	Synthesis and characterization of [Cp*Fe-dicyclopenta(a,f)naphthalene-FeCp*] and [Cp*Fe-dicyclopenta(a,f)naphthalene-FeCp*] BF ₄ ⁻ . <i>Journal of Organometallic Chemistry</i> , 2001, 620, 32-38.	0.8	11
167	FMR Investigation of In-Plane Magnetic Anisotropy and Interlayer Coupling in Fe/Si/Fe Trilayers. <i>Materials Science Forum</i> , 2001, 373-376, 141-144.	0.3	4
168	Unconventional magnetic behavior of iron-oxide nanoparticles in polymeric matrices. <i>Journal of Applied Physics</i> , 2001, 90, 1534-1539.	1.1	25
169	Magnetic Properties of Iron Oxide Nanocomposites. , 2001, , 411-419.		0
170	Magnetic Aerogels. , 2001, , 391-396.		0
171	Selective oxidants for organometallic compounds containing a stabilising anion of highly reactive Chemistry, 2000, 601, 126-132.	0.8	76
172	Diels-Alder Reactions of 5,6-Dihydro-2(1H)-pyridones. <i>Tetrahedron</i> , 2000, 56, 4027-4042.	1.0	37
173	Room-temperature magnetic refrigerator using permanent magnets. <i>IEEE Transactions on Magnetics</i> , 2000, 36, 538-544.	1.2	100
174	Micromechanical properties of silica aerogels. <i>Applied Physics Letters</i> , 1999, 75, 653-655.	1.5	95
175	Thermally assisted resonant quantum tunneling of magnetization in Fe ₈ clusters. <i>Journal of Applied Physics</i> , 1999, 85, 5633-5635.	1.1	12
176	Nucleophile-dependent stereodivergence in the Pd-catalyzed intramolecular cyclization of 2-(p-tolylsulfinyl)allylacetates. <i>Tetrahedron Letters</i> , 1999, 40, 4259-4262.	0.7	11
177	Mössbauer investigations of Fe ₈₇ Zr ₇ Si ₄ B ₂ nanocrystalline alloys. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 203, 187-189.	1.0	4
178	Surface and Internal Spin Canting in ⁵⁷ Fe-Fe ₂ O ₃ Nanoparticles. <i>Chemistry of Materials</i> , 1999, 11, 3058-3064.	3.2	606
179	Crystal and Molecular Structure of (BzIme ₃ N) ⁺ 2 [Fe ₂ OCl ₆] ²⁻ . <i>Structural Chemistry</i> , 1998, 9, 203-208.	1.0	6
180	Mössbauer spectroscopy and magnetic properties of the three-dimensional cubic phase Ba ₆ Cu ₁₂ Fe ₁₃ S ₂₇ . <i>Materials Research Bulletin</i> , 1998, 33, 1347-1352.	2.7	1

#	ARTICLE	IF	CITATIONS
181	Silica aerogels by supercritical extraction. <i>Journal of the European Ceramic Society</i> , 1998, 18, 1141-1143.	2.8	11
182	1,5,8,12-Tetrathiaspiro[6.6]tridecane. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 1998, 54, 533-534.	0.4	2
183	Studies of LPCVD Al ³⁺ Fe ³⁺ O deposits by XPS, EELS and Mössbauer spectroscopies. <i>Surface and Coatings Technology</i> , 1998, 105, 31-37.	2.2	6
184	Polyacrylic acid pore-filled microporous membranes and their use in membrane-mediated synthesis of nanocrystalline ferrihydrite. <i>Canadian Journal of Chemistry</i> , 1998, 76, 10-17.	0.6	36
185	Selective Reactions of Functionalized Ruthenium(II) η^5 -Alkynyl Complexes with Dicobalt Octacarbonyl and Tetracobalt Dodecacarbonyl: A Synthesis of Cyclopentenone Derivatives via Intermolecular Pauson-Khand Reactions. <i>Organometallics</i> , 1998, 17, 697-706.	1.1	33
186	Magnetic characterization of ^{57}Fe -Fe ₂ O ₃ nanoparticles fabricated by aerosol pyrolysis. <i>Journal of Applied Physics</i> , 1998, 83, 3256-3262.	1.1	77
187	Hexaferrite-Magnetite Nanocomposite Permanent Magnets Produced by Mechanical Alloying. <i>Materials Science Forum</i> , 1998, 269-272, 943-948.	0.3	1
188	Magnetic hyperfine fields in FeZrB amorphous alloys. <i>European Physical Journal Special Topics</i> , 1998, 08, Pr2-87-Pr2-90.	0.2	0
189	Surface effects in Fe-based nanocrystalline alloys. <i>Journal of Applied Physics</i> , 1997, 81, 4652-4654.	1.1	27
190	Magnetic Properties of Nanocrystalline CoFe ₂ O ₄ Particles. , 1997, , 383-387.		0
191	Magnetic Behaviour of ^{57}Fe -Fe ₂ O ₃ Nanoparticles. , 1997, , 351-355.		1
192	Formation of ^{57}Fe -Fe ₂ O ₃ Isolated Nanoparticles in a Silica Matrix. <i>Langmuir</i> , 1997, 13, 3627-3634.	1.6	189
193	Magnetic properties of ^{57}Fe -Fe ₂ O ₃ nanoparticles obtained by vaporization condensation in a solar furnace. <i>Journal of Applied Physics</i> , 1996, 79, 2580-2586.	1.1	141
194	High magnetic polarizability of magnetoresistive manganese oxides. <i>Solid State Communications</i> , 1996, 97, 1033-1038.	0.9	16
195	Magnetic properties of colossal magnetoresistive manganese oxides. <i>Journal of Applied Physics</i> , 1996, 79, 5182.	1.1	22
196	Raman spectroscopic characterization of some commercially available carbon black materials. <i>Carbon</i> , 1995, 33, 1561-1565.	5.4	1,118
197	Photo-oxidation of sulfite ions in the presence of some iron oxides. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 87, 121-125.	2.0	16
198	Magnetic properties of multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 559-560.	1.0	4

#	ARTICLE	IF	CITATIONS
199	Quantum Tunnelling of Antiferromagnetic Domain Walls in TbFeO ₃ Single Crystal. Europhysics Letters, 1995, 30, 227-232.	0.7	15
200	Quantum exponential relaxation of antiferromagnetic domain walls in FeTbO ₃ single crystal. Journal of Magnetism and Magnetic Materials, 1994, 137, L235-L238.	1.0	20
201	A new high-T _c superconductor containing thallium and its crystal structure: The α -211 phase (Tl _{1-x} Bi) ₂ TeO ₇ . Phys. Rev. Lett. 68, 1155 (1992).	1.0	784
202	A new intermediate-T _c oxide superconductor with a double perovskite structure: The α -211 phase (Tl, Bi) ₂ TeO ₇ . Phys. Rev. Lett. 68, 1155 (1992).	1.3	11
203	Bulk Superconductivity at 122 K in Tl(Ba,Ca) ₂ Ca ₃ Cu ₄ O _{10.5+8} with Four Consecutive Copper Layers. Science, 1988, 241, 1198-1200.	6.0	103
204	Crystallization kinetics of an amorphous magnet. Journal of Applied Physics, 1987, 61, 3647-3649.	1.1	12
205	Multi-Step Micro-Crystallization Studies on Amorphous Fe _{90-x} Si ₁₀ Alloys. Materials Research Society Symposia Proceedings, 1985, 58, 109.	0.1	1
206	Low-impedance and low-loss customized materials for air-coupled piezoelectric transducers. , 0, , .		5
207	Fabrication and characterization of silica aerogel films for air-coupled piezoelectric transducers in the megahertz range. , 0, , .		3