Gerardo F Goya

List of Publications by Year
in descending order

171	8,577	43973	48	48187	88
papers	citations	h-index		g-index	

175	175	175	11240
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Static and dynamic magnetic properties of spherical magnetite nanoparticles. Journal of Applied Physics, 2003, 94, 3520-3528.	1.1	1,201
2	A Magnetically Triggered Composite Membrane for On-Demand Drug Delivery. Nano Letters, 2009, 9, 3651-3657.	4.5	335
3	ZnFe₂O₄ Nanocrystals:â€‰ Synthesis and Magnetic Properties. Journal of Physical Chemistry C, 2007, 111, 12274-12278.	1.5	323
4	Magnetically Triggered Nanocomposite Membranes: A Versatile Platform for Triggered Drug Release. Nano Letters, 2011, 11, 1395-1400.	4.5	241
5	The effect of surface charge of functionalized Fe3O4 nanoparticles on protein adsorption and cell uptake. Biomaterials, 2014, 35, 6389-6399.	5.7	220
6	Superparamagnetism and magnetic properties of Ni nanoparticles embedded inSiO2. Physical Review B, 2002, 66, .	1.1	210
7	Uniform and water stable magnetite nanoparticles with diameters around the monodomainâ€“multidomain limit. Journal Physics D: Applied Physics, 2008, 41, 134003.	1.3	208
8	Determination of the blocking temperature of magnetic nanoparticles: The good, the bad, and the ugly. Journal of Applied Physics, 2015, 118, .	1.1	189
9	Magnetic properties of nanostructured CuFe2O4. Journal of Physics Condensed Matter, 1999, 11, 4063-4078.	0.7	185
10	Molecule Derived Synthesis of Nanocrystalline YFeO3 and Investigations on Its Weak Ferromagnetic Behavior. Chemistry of Materials, 2004, 16, 1906-1913.	3.2	178
11	Structural and magnetic properties of ball milled copper ferrite. Journal of Applied Physics, 1998, 84, 1101-1108.	1.1	176
12	Spin disorder and magnetic anisotropy in Fe3O4 nanoparticles. Journal of Applied Physics, 2006, 99, 083908.	1.1	158
13	Magnetic nanoparticles for power absorption: Optimizing size, shape and magnetic properties. Journal of Solid State Chemistry, 2009, 182, 2779-2784.	1.4	141
14	Magnetic hyperthermia in single-domain monodisperse FeCo nanoparticles: Evidences for Stonerâ€“Wohlfarth behavior and large losses. Journal of Applied Physics, 2009, 105, .	1.1	131
15	Controlled Cell Death by Magnetic Hyperthermia: Effects of Exposure Time, Field Amplitude, and Nanoparticle Concentration. Pharmaceutical Research, 2012, 29, 1319-1327.	1.7	115
16	Nanocrystalline Orthoferrite GdFeO3 from a Novel Heterobimetallic Precursor. Advanced Materials, 2002, 14, 1405-1409.	11.1	108
17	Chitosan nanoparticles for combined drug delivery and magnetic hyperthermia: From preparation to in vitro studies. Carbohydrate Polymers, 2017, 157, 361-370.	5.1	107
18	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. Biomaterials, 2017, 114, 62-70.	5.7	102

#	Article	IF	Citations
19	Ionic disorder and NÃ©el temperature in ZnFe2O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 191-192.	1.0	98
20	Biocompatible superparamagnetic iron oxide nanoparticles used for contrast agents: a structural and magnetic study. Journal of Magnetism and Magnetic Materials, 2005, 289, 439-441.	1.0	96
21	Magnetic Hyperthermia With Fe$_{3}$O$_{4}$ Nanoparticles: The Influence of Particle Size on Energy Absorption. IEEE Transactions on Magnetics, 2008, 44, 4444-4447.	1.2	89
22	The orientation of the neuronal growth process can be directed via magnetic nanoparticles under an applied magnetic field. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 1549-1558.	1.7	84
23	Synthesis and characterization of LiFePO4 prepared by solâ€“gel technique. Solid State Ionics, 2006, 177, 497-500.	1.3	80
24	The relevance of Brownian relaxation as power absorption mechanism in Magnetic Hyperthermia. Scientific Reports, 2019, 9, 3992.	1.6	79
25	Effects of Thermal Annealing on Structural and Magnetic Properties of Lithium Ferrite Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 20559-20567.	1.5	78
26	In vitro and in vivo experiments with iron oxide nanoparticles functionalized with DEXTRAN or polyethylene glycol for medical applications: Magnetic targeting. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2014, 102, 860-868.	1.6	77
27	Magnetic Nanoparticles for Efficient Delivery of Growth Factors: Stimulation of Peripheral Nerve Regeneration. Advanced Healthcare Materials, 2017, 6, 1601429.	3.9	74
28	Cell death induced by AC magnetic fields and magnetic nanoparticles: Current state and perspectives. International Journal of Hyperthermia, 2013, 29, 810-818.	1.1	73
29	Superparamagnetic transition and local disorder in CuFe2O4 nanoparticles. Scripta Materialia, 1998, 10, 1001-1011.	0.5	71
30	Gold-decorated magnetic nanoparticles design for hyperthermia applications and as a potential platform for their surface-functionalization. Scientific Reports, 2019, 9, 4185.	1.6	71
31	Magnetic properties of ZnFe2O4 synthesized by ball milling. Journal of Magnetism and Magnetic Materials, 1999, 203, 141-142.	1.0	70
32	Magnetic irreversibility in ultrafine ZnFe2O4 particles. Journal of Applied Physics, 2000, 87, 8005-8007.	1.1	69
33	Handling the particle size and distribution of Fe3O4 nanoparticles through ball milling. Solid State Communications, 2004, 130, 783-787.	0.9	69
34	Core/Shell Nanoparticles of Non-Stoichiometric Znâ€“Mn and Znâ€“Co Ferrites as Thermosensitive Heat Sources for Magnetic Fluid Hyperthermia. Journal of Physical Chemistry C, 2018, 122, 3028-3038.	1.5	68
35	Cell death induced by the application of alternating magnetic fields to nanoparticle-loaded dendritic cells. Nanotechnology, 2011, 22, 205101.	1.3	67
36	Magnetic nanoparticles in primary neural cell cultures are mainly taken up by microglia. BMC Neuroscience, 2012, 13, 32.	0.8	64

#	Article	IF	Citations
37	Structural and magnetic properties of core-shell Au/Fe3O4 nanoparticles. Scientific Reports, 2017, 7, 41732.	1.6	59
38	Magnetic Field-Assisted Gene Delivery: Achievements and Therapeutic Potential. Current Gene Therapy, 2012, 12, 116-126.	0.9	58
39	Poly-l-lysine-coated magnetic nanoparticles as intracellular actuators for neural guidance. International Journal of Nanomedicine, 2012, 7, 3155.	3.3	57
40	In Silico before In Vivo: how to Predict the Heating Efficiency of Magnetic Nanoparticles within the Intracellular Space. Scientific Reports, 2016, 6, 38733.	1.6	57
41	Effect of ultrasonic irradiation power on sonochemical synthesis of gold nanoparticles. Ultrasonics Sonochemistry, 2021, 70, 105274.	3.8	55
42	Magnetic coreâ€“shell chitosan nanoparticles: Rheological characterization and hyperthermia application. Carbohydrate Polymers, 2014, 102, 691-698.	5.1	54
43	Magnetic and power absorption measurements on iron oxide nanoparticles synthesized by thermal decomposition of Fe(acac)3. Journal of Magnetism and Magnetic Materials, 2018, 449, 286-296.	1.0	54
44	Magnetic Hydrogels Derived from Polysaccharides with Improved Specific Power Absorption: Potential Devices for Remotely Triggered Drug Delivery. Journal of Physical Chemistry B, 2010, 114, 12002-12007.	1.2	51
45	Spin-glass ordering inZn1â^'xMnxIn2Te4diluted magnetic semiconductor. Physical Review B, 2001, 64, .	1.1	50
46	Field Dependence of Blocking Temperature in Magnetite Nanoparticles. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 673-678.	0.1	50
47	Optimization of photoluminescence of Y₂O₃:Eu and Gd₂O₃:Eu phosphors synthesized by thermolysis of 2,4-pentanedione complexes. Nanotechnology, 2010, 21, 245702.	1.3	49
48	Controlling the dominant magnetic relaxation mechanisms for magnetic hyperthermia in bimagnetic coreâ€“shell nanoparticles. Nanoscale, 2019, 11, 3164-3172.	2.8	49
49	Magnetic dynamics of single-domain Ni nanoparticles. Journal of Applied Physics, 2003, 93, 6531-6533.	1.1	48
50	Ferrimagnetism and spin canting of Zn57Fe2O4nanoparticles embedded in ZnO matrix. Journal of Physics Condensed Matter, 2003, 15, 641-651.	0.7	48
51	Validity of the NÃ©el-Arrhenius model for highly anisotropic CoxFe3â^'xO4 nanoparticles. Journal of Applied Physics, 2015, 118, .	1.1	48
52	Preparation andin vivoevaluation of multifunctional⁹⁰Y-labeled magnetic nanoparticles designed for cancer therapy. Journal of Biomedical Materials Research - Part A, 2015, 103, 126-134.	2.1	48
53	Polyphenols delivery by polymeric materials: challenges in cancer treatment. Drug Delivery, 2017, 24, 162-180.	2.5	48
54	Cell damage produced by magnetic fluid hyperthermia on microglial BV2 cells. Scientific Reports, 2017, 7, 8627.	1.6	48

#	Article	IF	Citations
55	Magnetic irreversibility and relaxation in CuFe2O4 nanoparticles. Journal of Magnetism and Magnetic Materials, 2000, 218, 221-228.	1.0	47
56	Surface spin freezing of ferrite nanoparticles evidenced by magnetization measurements. Journal of Applied Physics, 2006, 99, 08M905.	1.1	47
57	Magnetic properties and energy absorption of CoFe₂O₄nanoparticles for magnetic hyperthermia. Journal of Physics: Conference Series, 2010, 200, 072101.	0.3	46
58	Dendritic cell uptake of ironâ€based magnetic nanoparticles. Cell Biology International, 2008, 32, 1001-1005.	1.4	45
59	Size dependence of the magnetic relaxation and specific power absorption in iron oxide nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	0.8	45
60	Magnetism in non-stoichiometric goethite of varying total water content and surface area. Geophysical Journal International, 2006, 164, 331-339.	1.0	44
61	Morphological and magnetic properties of carbonâ€“nickel nanocomposite thin films. Journal of Applied Physics, 2005, 97, 044313.	1.1	43
62	Magnetic Nanoparticles as Intraocular Drug Delivery System to Target Retinal Pigmented Epithelium (RPE). International Journal of Molecular Sciences, 2014, 15, 1590-1605.	1.8	43
63	Induced cell toxicity originates dendritic cell death following magnetic hyperthermia treatment. Cell Death and Disease, 2013, 4, e596-e596.	2.7	41
64	In vitromagnetic hyperthermia using polyphenol-coated Fe₃O₄@Î³Fe₂O₃nanoparticles fromCinnamomun verumandVanilla planifolia: the concert of green synthesis and therapeutic possibilities. Nanotechnology, 2018, 29, 074001.	1.3	41
65	Large magnetic anisotropy in ferrihydrite nanoparticles synthesized from reverse micelles. Nanotechnology, 2006, 17, 5549-5555.	1.3	39
66	Interparticle interactions and surface contribution to the effective anisotropy in biocompatible iron oxide nanoparticles used for contrast agents. Journal of Applied Physics, 2005, 97, 10J316.	1.1	38
67	Neuronal cells loaded with PEI-coated Fe3O4 nanoparticles for magnetically guided nerve regeneration. Journal of Materials Chemistry B, 2013, 1, 3607.	2.9	38
68	Simple Sonochemical Method to Optimize the Heating Efficiency of Magnetic Nanoparticles for Magnetic Fluid Hyperthermia. ACS Omega, 2020, 5, 26357-26364.	1.6	37
69	Relaxation time diagram for identifying heat generation mechanisms in magnetic fluid hyperthermia. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	36
70	Graphene Oxide Functional Nanohybrids with Magnetic Nanoparticles for Improved Vectorization of Doxorubicin to Neuroblastoma Cells. Pharmaceutics, 2019, 11, 3.	2.0	33
71	Engineering Shape Anisotropy of Fe₃O₄-Î³-Fe₂O₃ Hollow Nanoparticles for Magnetic Hyperthermia. ACS Applied Nano Materials, 2021, 4, 3148-3158.	2.4	33
72	Thermal hysteresis of spin reorientation at Morin transition in alkoxide derived hematite nanoparticles. Applied Physics A: Materials Science and Processing, 2005, 80, 1523-1526.	1.1	31

#	Article	IF	Citations
73	Longâ€Term Stability and Reproducibility of Magnetic Colloids Are Key Issues for Steady Values of Specific Power Absorption over Time. European Journal of Inorganic Chemistry, 2015, 2015, 4524-4531.	1.0	31
74	Enhanced surface anisotropy evidenced by MÃ¶ssbauer spectroscopy in nickel ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1215-E1217.	1.0	30
75	Tuning Properties of Iron Oxide Nanoparticles in Aqueous Synthesis without Ligands to Improve MRI Relaxivity and SAR. Nanomaterials, 2017, 7, 225.	1.9	30
76	Magnetic Graphene Oxide Nanocarrier for Targeted Delivery of Cisplatin: A Perspective for Glioblastoma Treatment. Pharmaceuticals, 2019, 12, 76.	1.7	30
77	Fluorescent Magnetic Bioprobes by Surface Modification of Magnetite Nanoparticles. Materials, 2013, 6, 3213-3225.	1.3	29
78	Low Temperature Experimental Investigation of Finite-Size and Surface Effects in CuFe₂O₄ Nanoparticles of Ferrofluids. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 694-699.	0.1	28
79	Numerical simulation of magnetic interactions in polycrystalline YFeO3. Journal of Magnetism and Magnetic Materials, 2008, 320, 622-629.	1.0	28
80	Colloidal Stability and Concentration Effects on Nanoparticle Heat Delivery for Magnetic Fluid Hyperthermia. Langmuir, 2021, 37, 1129-1140.	1.6	28
81	Experimental evidence of surface effects in the magnetic dynamics behavior of ferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 2005, 289, 118-121.	1.0	27
82	Development and evaluation of 90Y-labeled albumin microspheres loaded with magnetite nanoparticles for possible applications in cancer therapy. Journal of Materials Chemistry, 2012, 22, 24017.	6.7	27
83	Thermal diffusivity of ferrofluids as a function of particle size determined using the mode-mismatched dual-beam thermal lens technique. Journal of Applied Physics, 2018, 123, .	1.1	27
84	Piconewton Mechanical Forces Promote Neurite Growth. Biophysical Journal, 2018, 115, 2026-2033.	0.2	27
85	Free-Radical Formation by the Peroxidase-Like Catalytic Activity of MFe₂O₄ (M) Tj ETQq1 1 0.784314 rgBT	1.5	27
86	Magnetic properties of spindle-type iron fine particles obtained from hematite. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1933-1935.	1.0	26
87	The effect of water content on the magnetic and structural properties of goethite. Journal of Alloys and Compounds, 2004, 369, 247-251.	2.8	26
88	Influence of size distribution and field amplitude on specific loss power. Journal of Applied Physics, 2015, 117, .	1.1	25
89	Magnetic properties of Ni:SiO 2 nanocomposites synthesized by a modified sol-gel method. Applied Physics A: Materials Science and Processing, 2003, 76, 621-623.	1.1	23
90	Self organization in oleic acid-coated CoFe2O4 colloids: a SAXS study. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	23

#	Article	IF	Citations
91	Magnetic dynamics of Zn/sup 57/Fe/sub 2/O/sub 4/ nanoparticles dispersed in a ZnO matrix. IEEE Transactions on Magnetics, 2002, 38, 2610-2612.	1.2	22
92	Role of Anisotropy, Frequency, and Interactions in Magnetic Hyperthermia Applications: Noninteracting Nanoparticles and Linear Chain Arrangements. Physical Review Applied, 2021, 15, .	1.5	22
93	Spin glass formation in Li-substituted Co2TiO4spinel. Journal of Physics Condensed Matter, 2004, 16, 651-659.	0.7	21
94	Brownian rotational relaxation and power absorption in magnetite nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 316, 132-135.	1.0	21
95	R - M interactions in (R = Y or Gd; M=Cu or Zn). Journal of Physics Condensed Matter, 1996, 8, 4529-4537.	0.7	20
96	Application of magnetically induced hyperthermia in the model protozoan Crithidia fasciculata as a potential therapy against parasitic infections. International Journal of Nanomedicine, 2012, 7, 5351.	3.3	20
97	Magnetic properties ofPnma- oxides (R = Sm, Eu, Dy and Ho). Journal of Physics Condensed Matter, 1996, 8, 8607-8612.	0.7	19
98	Growth factor choice is critical for successful functionalization of nanoparticles. Frontiers in Neuroscience, 2015, 9, 305.	1.4	19
99	Low-Dimensional Assemblies of Magnetic MnFe₂O₄ Nanoparticles and Direct In Vitro Measurements of Enhanced Heating Driven by Dipolar Interactions: Implications for Magnetic Hyperthermia. ACS Applied Nano Materials, 2020, 3, 8719-8731.	2.4	19
100	Magnetic properties of acicular ultrafine iron particles. IEEE Transactions on Magnetics, 2002, 38, 1907-1909.	1.2	18
101	Influence of heavy rare earth ions substitution on microstructure and magnetism of nanocrystalline magnetite. Journal of Alloys and Compounds, 2009, 472, 571-575.	2.8	18
102	Magnetic Properties of Lithium Ferrite Nanoparticles with a Core/Shell Structure. Current Nanoscience, 2012, 8, 651-658.	0.7	18
103	An integrated device for magnetically-driven drug release and in situ quantitative measurements: Design, fabrication and testing. Journal of Magnetism and Magnetic Materials, 2015, 377, 446-451.	1.0	18
104	Reversibility of the synthesis-decomposition reaction in the ball-milled Cu-Fe-O system. Journal of Physics Condensed Matter, 1998, 10, 11829-11840.	0.7	17
105	Generation of Magnetized Olfactory Ensheathing Cells for Regenerative Studies in the Central and Peripheral Nervous Tissue. International Journal of Molecular Sciences, 2013, 14, 10852-10868.	1.8	17
106	Effects of Zn Substitution in the Magnetic and Morphological Properties of Fe-Oxide-Based Coreâ€“Shell Nanoparticles Produced in a Single Chemical Synthesis. Journal of Physical Chemistry C, 2019, 123, 1444-1453.	1.5	16
107	Sonochemical route for mesoporous silica-coated magnetic nanoparticles towards pH-triggered drug delivery system. Journal of Materials Research and Technology, 2021, 15, 52-67.	2.6	16
108	Cell Bystander Effect Induced by Radiofrequency Electromagnetic Fields and Magnetic Nanoparticles. Current Nanoscience, 2016, 12, 372-377.	0.7	15

#	Article	IF	Citations
109	Nanocrystalline CuFe2O4 obtained by mechanical grinding. Journal of Materials Science Letters, 1997, 16, 563-565.	0.5	14
110	Mechanosynthesis of intermetallic Fe100-xAlxobtained by reduction of Al/Fe2O3composite. Journal of Physics Condensed Matter, 2000, 12, 10579-10590.	0.7	14
111	Magnetic properties of acicular Fe1â^'xREx (RE = Nd, Sm, Eu, Tb; x = 0, 0.05, 0.10) metallic nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2004, 112, 188-193.	1.7	14
112	Single-step chemical synthesis of ferrite hollow nanospheres. Nanotechnology, 2009, 20, 045606.	1.3	14
113	Oxidation states of Fe in LaNi1â^'x Fe x O3. Hyperfine Interactions, 1994, 90, 371-375.	0.2	13
114	Magnetic and MÃ¶ssbauer Study of the Novel FeIn2S2Se2 Layered Compound. Journal of Solid State Chemistry, 2002, 164, 326-331.	1.4	13
115	Antiferromagnetism and spin-glass transition in the FeIn Cr2â^'Se4 series of selenides. Solid State Communications, 2003, 125, 247-251.	0.9	13
116	Magnetization enhancement and cation valences in nonstoichiometric (Mn,Fe)3-Î´O4 nanoparticles. Journal of Applied Physics, 2012, 111, 074309.	1.1	13
117	Adjusting the NÃ©el relaxation time of Fe₃O₄/Zn _x Co_{1â^'x}Fe₂O₄ core/shell nanoparticles for optimal heat generation in magnetic hyperthermia. Nanotechnology, 2021, 32, 065703.	1.3	13
118	MÃ¶ssbauer study of Fe-Zn-O phases. Solid State Communications, 1995, 96, 485-490.	0.9	12
119	Study of the spin-glass transition in FeCr2xIn2â^'2xS4 thiospinel. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1298-1299.	1.0	12
120	Phase transformations in Fe-doped cupric oxide. Journal of Physics and Chemistry of Solids, 1997, 58, 73-77.	1.9	11
121	Lipid-Iron Nanoparticle with a Cell Stress Release Mechanism Combined with a Local Alternating Magnetic Field Enables Site-Activated Drug Release. Cancers, 2020, 12, 3767.	1.7	11
122	Magnetically-driven selective synthesis of Au clusters on Fe₃O₄nanoparticles. Chemical Communications, 2013, 49, 716-718.	2.2	10
123	Sonochemical magnetite encapsulation in silica at low irradiation power. Materials Letters, 2019, 250, 103-107.	1.3	10
124	The effect of the magnetically dead layer on the magnetization and the magnetic anisotropy of the dextran-coated magnetite nanoparticles. Applied Physics A: Materials Science and Processing, 2022, 128, .	1.1	10
125	Specific Power Absorption of Silica-coated Magnetite Cubes. Current Nanoscience, 2014, 10, 676-683.	0.7	9
126	Magnetic Dynamics of Iron-Oxide Nanoparticles in Frozen Ferrofluids and Ferronematics. Journal of Metastable and Nanocrystalline Materials, 2004, 22, 33-38.	0.1	8

#	Article	IF	Citations
127	Magnetic characterization of ferrihydrite nanoparticles synthesized by hydrolysis of Fe metal-organic precursor. Physica B: Condensed Matter, 2008, 403, 4156-4159.	1.3	8
128	Exchange bias in ferrite hollow nanoparticles originated by complex internal magnetic structure. Materials Research Express, 2015, 2, 105001.	0.8	8
129	Magnetically responsive biopolymeric multilayer films for local hyperthermia. Journal of Materials Chemistry B, 2017, 5, 8570-8578.	2.9	8
130	Enhanced Cellular Transduction of Nanoparticles Resistant to Rapidly Forming Plasma Protein Coronas. Advanced Biology, 2020, 4, e2000162.	3.0	8
131	Magnetic properties of the reentrant spin glass FeCr2xIn2â^'2xS4. Physica B: Condensed Matter, 2000, 291, 190-194.	1.3	7
132	Structural, magnetic, and mossbauer characterization of size-controlled iron-iron oxide nanoparticles obtained by chemical methods. IEEE Transactions on Magnetics, 2003, 39, 2681-2683.	1.2	7
133	Magnetic interactions in ball-milled spinel ferrites. Journal of Materials Science, 2004, 39, 5045-5049.	1.7	7
134	Enhanced Thermal Lens Effect in Gold Nanoparticle-Doped Lyotropic Liquid Crystal by Nanoparticle Clustering Probed by Z-Scan Technique. Brazilian Journal of Physics, 2015, 45, 213-218.	0.7	7
135	Synthesis of Magnetite Nanoparticles of Different Size and Shape by Interplay of Two Different Surfactants. Brazilian Journal of Physics, 2019, 49, 829-835.	0.7	7
136	Magnetic Hyperthermia Experiments with Magnetic Nanoparticles in Clarified Butter Oil and Paraffin: A Thermodynamic Analysis. Journal of Physical Chemistry C, 2020, 124, 27709-27721.	1.5	7
137	Ex situ integration of iron oxide nanoparticles onto the exfoliated expanded graphite flakes in water suspension. Journal of the Serbian Chemical Society, 2014, 79, 1155-1167.	0.4	6
138	Dependence of the composition, morphology and magnetic properties with the water and air exposure during the Fe1-yO/Fe3O4 coreâ€“shell nanoparticles synthesis. Journal of Nanoparticle Research, 2021, 23, 1.	0.8	6
139	Coordination and electronic spin state of iron in Fe-doped Y2BaCuO5. Journal of Magnetism and Magnetic Materials, 1994, 138, 147-152.	1.0	5
140	In-field MÃ¶ssbauer study of the disordered surface contribution in nickel ferrite nanomagnets. Journal of Magnetism and Magnetic Materials, 2007, 310, e1020-e1022.	1.0	5
141	Magnetic nanoparticles for magnetically guided therapies against neural diseases. MRS Bulletin, 2014, 39, 965-969.	1.7	5
142	A Concise Review of Nanomaterials for Drug Delivery and Release. Current Nanoscience, 2020, 16, 399-412.	0.7	5
143	Next generation of nanozymes: A perspective of the challenges to match biological performance. Journal of Applied Physics, 2021, 130, .	1.1	5
144	Magnetic ordering in Fe-doped Gd2BaCuO5. Hyperfine Interactions, 1994, 83, 419-424.	0.2	4

#	Article	IF	Citations
145	Spin-glass behavior in Zn1âˆ’xMnxIn2Te4. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1323-1325.	1.0	4
146	Mol̀ssbauer spectroscopy and magnetoresistivity of [sup 57]Fe substituted Mn in La[sub 0.7âˆ’x]Y[sub x]Ca[sub 0.3]MnO[sub 3] manganites. Journal of Applied Physics, 2002, 91, 7932.	1.1	4
147	Low-temperature electrical resistivity of as-cast glassy, relaxed, and crystallized Pd40Cu30Ni10P20alloys. Journal of Physics Condensed Matter, 2003, 15, 8713-8718.	0.7	4
148	Co-Sputtered Carbon-Nickel Nanocomposite Thin Films. Journal of Metastable and Nanocrystalline Materials, 2004, 20-21, 700-704.	0.1	4
149	PolishEM: image enhancement in FIBâ€“SEM. Bioinformatics, 2020, 36, 3947-3948.	1.8	4
150	Magnetic properties of the solid solution (Y1âˆ’xGdx)2BaCuO5 (0â©½xâ©½1). Journal of Magnetism and Magnetic Materials, 1999, 205, 215-220.	1.0	3
151	Magnetic Properties of Ni Nanoparticles Embedded in Amorphous SiO₂. Materials Research Society Symposia Proceedings, 2002, 746, 1.	0.1	3
152	Microstructural and Magnetic Properties of Mechanosynthesized Ferrites. Materials Science Forum, 1999, 302-303, 406-410.	0.3	2
153	On the Magnetic Properties of Mechanosynthesized and Ball-Milled Spinel Ferrites. Materials Science Forum, 2002, 403, 127-132.	0.3	2
154	Influence of the Substrate and Precursor on the Magnetic and Magneto-transport Properties in Magnetite Films. Current Nanoscience, 2012, 8, 659-668.	0.7	2
155	Reply to â€œComment on â€˜Free-Radical Formation by the Peroxidase-Like Catalytic Activity of MFe₂O₄ (M = Fe, Ni, and Mn) Nanoparticlesâ€™â€• Journal of Physical Chemistry C, 2019, 123, 28511-28512.	1.5	2
156	Magnetic Nanoparticles for Neural Engineering. , 2018, , 395-410.		2
157	Molecule Derived Synthesis of Nanocrystalline YFeO3 and Investigations on Its Weak Ferromagnetic Behavior.. ChemInform, 2004, 35, no.	0.1	1
158	Magnetic Structure and Power Absorption in Magnetite Nanoparticles from a MRI Contrast Agent. , 2006, , .		1
159	Magnetic and electrical properties of In doped FeCr2S4 compound. Journal of Magnetism and Magnetic Materials, 2008, 320, e450-e452.	1.0	1
160	Evaluation of <I>In-Situ</I> Magnetic Signals from Iron Oxide Nanoparticle-Labeled PC12 Cells by Atomic Force Microscopy. Journal of Biomedical Nanotechnology, 2015, 11, 457-468.	0.5	1
161	Energy Evolution, Stabilization, and Mechanotransducer Properties of Fe3O4 Vortex Nanorings and Nanodisks. Physical Review Applied, 2021, 16, .	1.5	1
162	Nanocrystalline Orthoferrite GdFeO3 from a Novel Heterobimetallic Precursor. , 2002, 14, 1405.		1

#	Article	IF	Citations
163	MÃ¶ssbauer and susceptibility studies of FeMoVO7. Hyperfine Interactions, 1994, 83, 199-201.	0.2	0
164	Paramagnetic centers in Nd2â^'xSrxNiOy: an EPR study. Physica B: Condensed Matter, 1995, 210, 171-177.	1.3	0
165	Superparamagnetism and site prefernces in nanocrystalline spinel ferrites. , 0, , .		0
166	Low-Temperature Magnetic Behavior of Ball-Milled Copper Ferrite. Journal of Metastable and Nanocrystalline Materials, 1999, 2-6, 545-550.	0.1	0
167	Magnetic and Transport Properties of Mechanosynthesized FeCr₂S₄ Sulfospinel. Materials Science Forum, 2002, 386-388, 491-496.	0.3	0
168	Spin Dynamics of Nanostructured La_{2/3}Ca_{1/3}MnO₃. Materials Science Forum, 2002, 386-388, 433-440.	0.3	0
169	Structural, magnetic and Mossbauer characterization of controlled-size iron-iron oxide nanoparticles obtained by chemical methods. , 0, , .		0
170	Long-Term Stability and Reproducibility of Magnetic Colloids Are Key Issues for Steady Values of Specific Power Absorption over Time. European Journal of Inorganic Chemistry, 2015, 2015, 4444-4444.	1.0	0
171	Welcome to Magnetism: A New Open Access Scientific Journal on Magnetism, Magnetic Materials and Magnetic Technology. Magnetism, 2021, 1, 1-2.	0.6	0