Xavier Batlle

List of Publications by Year
in descending order

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165 papers	6,244 citations	76326 40 h-index	76900 74 g-index
167 all docs	167 docs citations	167 times ranked	6513 citing authors

#	Article	IF	Citations
1	Magnetic nanoparticles: From the nanostructure to the physical properties. Journal of Magnetism and Magnetic Materials, 2022, 543, 168594.	2.3	45
2	Tunable circular dichroism through absorption in coupled optical modes of twisted triskelia nanostructures. Scientific Reports, 2022, 12, 26.	3.3	2
3	Selective Control over the Morphology and the Oxidation State of Iron Oxide Nanoparticles. Langmuir, 2021, 37, 35-45.	3.5	19
4	Driving magnetic domains at the nanoscale by interfacial strain-induced proximity. Nanoscale, 2021, 13, 4985-4994.	5.6	5
5	An Inverted Honeycomb Plasmonic Lattice as an Efficient Refractive Index Sensor. Nanomaterials, 2021, 11, 1217.	4.1	1
6	Deconvolution of Phonon Scattering by Ferroelectric Domain Walls and Point Defects in a PbTiO₃ Thin Film Deposited in a Composition-Spread Geometry. ACS Applied Materials & Interfaces, 2021, 13, 45679-45685.	8.0	5
7	Crucial Role of the Co Cations on the Destabilization of the Ferrimagnetic Alignment in Co-Ferrite Nanoparticles with Tunable Structural Defects. Journal of Physical Chemistry C, 2021, 125, 691-701.	3.1	11
8	Geometric frustration in ordered lattices of plasmonic nanoelements. Scientific Reports, 2019, 9, 3529.	3.3	6
9	Probing the variability in oxidation states of magnetite nanoparticles by single-particle spectroscopy. Journal of Materials Chemistry C, 2018, 6, 875-882.	5.5	8
10	Geometric frustration in a hexagonal lattice of plasmonic nanoelements. Optics Express, 2018, 26, 20211.	3.4	4
11	Aggregation state and magnetic properties of magnetite nanoparticles controlled by an optimized silica coating. Journal of Applied Physics, 2017, 121, .	2.5	24
12	Deviation from bulk in the pressure-temperature phase diagram of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="normal">V</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> thin films. Physical Review B, 2017, 95, .	3.2	28
13	Role of the antiferromagnetic bulk spins in exchange bias. Journal of Magnetism and Magnetic Materials, 2016, 416, 2-9.	2.3	48
14	Collective mode splitting in hybrid heterostructures. Physical Review B, 2016, 93, .	3.2	3
15	Universality of the electrical transport in granular metals. Scientific Reports, 2016, 6, 29676.	3.3	32
16	Direct imaging of the magnetic polarity and reversal mechanism in individual Fe_{3â^'x}O₄ nanoparticles. Nanoscale, 2015, 7, 8110-8114.	5.6	25
17	Manipulation of competing ferromagnetic and antiferromagnetic domains in exchange-biased nanostructures. Physical Review B, 2015, 92, .	3.2	10
18	Nanoparticles with tunable shape and composition fabricated by nanoimprint lithography. Nanotechnology, 2015, 26, 445302.	2.6	11

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19	Tuning the magnetic properties of Co-ferrite nanoparticles through the 1,2-hexadecanediol concentration in the reaction mixture. Physical Chemistry Chemical Physics, 2015, 17, 13143-13149.	2.8	17
20	Exchange-Bias Phenomenon: The Role of the Ferromagnetic Spin Structure. Physical Review Letters, 2015, 114, 097202.	7.8	73
21	Inducing glassy magnetism in Co-ferrite nanoparticles through crystalline nanostructure. Journal of Materials Chemistry C, 2015, 3, 4522-4529.	5.5	10
22	Quantification of Dipolar Interactions in Fe_{3â€“x}O₄ Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 24142-24148.	3.1	29
23	Superparamagnetic versus blocked states in aggregates of Fe_{3â^'x}O₄ nanoparticles studied by MFM. Nanoscale, 2015, 7, 17764-17770.	5.6	22
24	Equivalent circuit modeling of the ac response of Pd-ZrO₂granular metal thin films using impedance spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 335306.	2.8	18
25	Au cylindrical nanocup: A geometrically, tunable optical nanoresonator. Applied Physics Letters, 2015, 107, 033102.	3.3	4
26	The effect of oleic acid on the synthesis of Fe_{3â^'x}O₄ nanoparticles over a wide size range. Physical Chemistry Chemical Physics, 2015, 17, 27373-27379.	2.8	49
27	Antiferromagnetic/ferromagnetic nanostructures for multidigit storage units. Applied Physics Letters, 2014, 104, 032401.	3.3	20
28	From capacitive to tunnelling conduction through annealing in metal-insulating granular films: the role of ultra-small particles. Journal Physics D: Applied Physics, 2013, 46, 495304.	2.8	5
29	SiO₂coating effects in the magnetic anisotropy of Fe_{3â^'x}O₄nanoparticles suitable for bio-applications. Nanotechnology, 2013, 24, 155705.	2.6	11
30	Magnetization reversal in Ni/FeF<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>heterostructures with the coexistence of positive and negative exchange bias. Physical Review B, 2012, 86, .	3.2	9
31	Probing Nanoparticle Magnetism by Aberration Corrected STEM-EELS. Microscopy and Microanalysis, 2012, 18, 1362-1363.	0.4	11
32	Surfactant Organic Molecules Restore Magnetism in Metal-Oxide Nanoparticle Surfaces. Nano Letters, 2012, 12, 2499-2503.	9.1	132
33	Reduction of iron by decarboxylation in the formation of magnetite nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 19485.	2.8	20
34	Griffiths-like phase and magnetic correlations at high fields in Gd5Ge4. Physical Review B, 2011, 83, .	3.2	15
35	Magnetic nanoparticles with bulklike properties (invited). Journal of Applied Physics, 2011, 109, .	2.5	105
36	Tuning the Size, the Shape, and the Magnetic Properties of Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 390-396.	3.1	255

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37	Mirror symmetry in magnetization reversal and coexistence of positive and negative exchange bias in Ni/FeF2. Applied Physics Letters, 2011, 98, 152507.	3.3	5
38	Development of vortex state in circular magnetic nanodots: Theory and experiment. Physical Review B, 2010, 81, .	3.2	35
39	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. Nanomedicine, 2010, 5, 397-408.	3.3	64
40	The fabrication of ordered arrays of exchange biased Ni/FeF₂nanostructures. Nanotechnology, 2010, 21, 175301.	2.6	7
41	Heating rate influence on the synthesis of iron oxide nanoparticles: the case of decanoic acid. Chemical Communications, 2010, 46, 6108.	4.1	96
42	Controlled Synthesis of Iron Oxide Nanoparticles over a Wide Size Range. Langmuir, 2010, 26, 5843-5847.	3.5	147
43	Tuning exchange bias in Ni/FeF2 heterostructures using antidot arrays. Applied Physics Letters, 2009, 95, .	3.3	25
44	Magnetic vortices in Sub-100 nm magnets. , 2009, , .		0
45	ac conductance in granular insulating<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Co-ZrO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> films: A universal response. Physical Review B, 2009, 79, .	3.2	8
46	Nanostructural origin of the spin and orbital contribution to the magnetic moment in Fe3â^'xO4 magnetite nanoparticles. Applied Physics Letters, 2009, 94, .	3.3	44
47	Controlling exchange bias in Coâ€“CoO_xnanoparticles by oxygen content. Nanotechnology, 2009, 20, 175702.	2.6	46
48	Three-dimensional spin structure in exchange-biased antiferromagnetic/ferromagnetic thin films. Applied Physics Letters, 2009, 95, .	3.3	25
49	Measurement of the vortex core in sub-100â€‰nm Fe dots using polarized neutron scattering. Europhysics Letters, 2009, 86, 67008.	2.0	22
50	Particle size and cooling field dependence of exchange bias in core/shell magnetic nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134010.	2.8	35
51	Surface anisotropy broadening of the energy barrier distribution in magnetic nanoparticles. Nanotechnology, 2008, 19, 475704.	2.6	75
52	Metallic Nanoparticles Embedded in a Dielectric Matrix: Growth Mechanisms and Percolation. Journal of Nanomaterials, 2008, 2008, 1-5.	2.7	8
53	Stiffness and Thickness of Boron-Nitride Nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 3774-3780.	0.9	81
54	Exchange Bias Phenomenology and Models of Core/Shell Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 2761-2780.	0.9	254

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55	Exchange bias phenomenology and models of core/shell nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 2761-80.	0.9	13
56	Interface effects in the magneto-optical properties of Co nanoparticles in dielectric matrix. Applied Physics Letters, 2007, 90, 182506.	3.3	27
57	Reply to â€œComment on â€˜Nature and entropy content of the ordering transitions inRCo2â€™ â€. Physical Review B, 2007, 75, .	3.2	9
58	Nanostructural origin of the ac conductance in dielectric granular metals: The case study of Co20(ZrO2)80. Applied Physics Letters, 2007, 91, .	3.3	8
59	Modelling exchange bias in core/shell nanoparticles. Journal of Physics Condensed Matter, 2007, 19, 406232.	1.8	35
60	Magnetic properties of dense carbon nanospheres prepared by chemical vapor deposition. Chemical Physics Letters, 2007, 447, 295-299.	2.6	10
61	Modification of magnetic properties of polyethyleneterephthalate by iron ion implantation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 589-592.	1.4	10
62	Magnetic properties of Co nanoparticles in zirconia matrix. Journal of Magnetism and Magnetic Materials, 2007, 316, 103-105.	2.3	9
63	Exchange bias and asymmetric hysteresis loops from a microscopic model of core/shell nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 316, 140-142.	2.3	23
64	Surfactant effects in magnetite nanoparticles of controlled size. Journal of Magnetism and Magnetic Materials, 2007, 316, e756-e759.	2.3	273
65	Particle growth mechanisms in Agâ€“ZrO2and Auâ€“ZrO2granular films obtained by pulsed laser deposition. Nanotechnology, 2006, 17, 4106-4111.	2.6	20
66	Nature and entropy content of the ordering transitions inRCo2. Physical Review B, 2006, 73, .	3.2	70
67	Magnetic properties of dense graphitic filaments formed via thermal decomposition of mesitylene in an applied electric field. Carbon, 2006, 44, 2864-2867.	10.3	10
68	Combined neutron and synchrotron studies of magnetic films. Pramana - Journal of Physics, 2006, 67, 47-55.	1.8	1
69	Entropy change at the magnetostructural transition in. Journal of Magnetism and Magnetic Materials, 2006, 301, 378-382.	2.3	12
70	Asymmetric Reversal in Inhomogeneous Magnetic Heterostructures. Physical Review Letters, 2006, 96, 217205.	7.8	55
71	Acoustic emission across the magnetostructural transition of the giant magnetocaloricGd5Si2Ge2. Physical Review B, 2006, 73, .	3.2	20
72	Mechanisms of the magnetostructural transition in Gd5(SixGe1x)4 giant magnetocaloric alloys. , 2006, , .		0

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73	Fabrication and structural characterization of highly ordered sub-100-nm planar magnetic nanodot arrays over 1cm2 coverage area. Journal of Applied Physics, 2006, 100, 074318.	2.5	42
74	Size mediated control of the optical and magneto-optical properties of Co nanoparticles in ZrO2. Journal of Applied Physics, 2006, 100, 074320.	2.5	17
75	Vortex state and effect of anisotropy in sub-100-nm magnetic nanodots. Journal of Applied Physics, 2006, 100, 104319.	2.5	69
76	Tunneling magnetoresistance inCoâ^'ZrO2granular thin films. Physical Review B, 2006, 73, .	3.2	57
77	Magnetization depth dependence in exchange biased thin films. Applied Physics Letters, 2006, 89, 072504.	3.3	32
78	Effect of Anisotropy and Exchange Bias on Reversal of Sub-100 nm Magnetic Dots. , 2006, , .		0
79	Magnetic Structure in Exchange-coupled Antiferromagnet-Ferromagnet Thin Films. , 2006, , .		0
80	Electrical properties in granular Co-ZrO<SUB align=right>2 thin films. International Journal of Nanotechnology, 2005, 2, 43.	0.2	8
81	Nucleation phenomenon in nanoparticle self-assemblies. International Journal of Nanotechnology, 2005, 2, 62.	0.2	11
82	Differential scanning calorimetry experiments in <mml:math altimg="si25.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http:/. Journal of Magnetis	2.3	9
83	Loop bifurcation and magnetization rotation in exchange-biasedNiâ^•FeF2. Physical Review B, 2005, 72, .	3.2	26
84	Giant heat dissipation at the low-temperature reversible-irreversible transition inGd5Ge4. Physical Review B, 2005, 72, .	3.2	26
85	Bidomain state in exchange biased FeF2â^•Ni. Applied Physics Letters, 2005, 87, 222509.	3.3	52
86	Coexistence of short-range ferromagnetic and antiferromagnetic correlations in Ge-rich Gd5(SixGe1â^'x)4alloys. Journal Physics D: Applied Physics, 2005, 38, 3343-3347.	2.8	25
87	Structural and Magnetic Properties of Granular Co-ZrO2 Films. Materials Research Society Symposia Proceedings, 2005, 877, 1.	0.1	0
88	Microscopic origin of exchange bias in core/shell nanoparticles. Physical Review B, 2005, 72, .	3.2	111
89	Lateral length scales in exchange bias. Europhysics Letters, 2005, 71, 297-303.	2.0	76
90	Depth Profile of Uncompensated Spins in an Exchange Bias System. Physical Review Letters, 2005, 95, 047201.	7.8	167

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91	From Finite Size and Surface Effects to Glassy Behaviour in Ferrimagnetic Nanoparticles. , 2005, , 105-140.		14
92	Synthesis and Characterization of Stabilized Subnanometric Cobalt Metal Particles. Journal of the American Chemical Society, 2005, 127, 18026-18030.	13.7	26
93	Direct observation of the magnetic-field-induced entropy change in Gd5(SixGe1â^'x)4 giant magnetocaloric alloys. Applied Physics Letters, 2005, 86, 262504.	3.3	53
94	Effect of a magnetic field on the magnetostructural phase transition inGd5(SixGe1â^'x)4. Physical Review B, 2004, 69, .	3.2	44
95	Magnetocaloric and shape-memory effects in Ni-Mn-Ga ferro-magnetic alloys. European Physical Journal Special Topics, 2004, 115, 105-110.	0.2	5
96	Dynamics of the first-order magnetostructural transition in Gd5(Si x Ge1-x)4. European Physical Journal B, 2004, 40, 427-431.	1.5	23
97	Magnetic field induced entropy change and magnetoelasticity in Niâ€“Mnâ€“Ga alloys. Journal of Magnetism and Magnetic Materials, 2004, 272-276, E1595-E1596.	2.3	4
98	Multiscale origin of the magnetocaloric effect in Ni-Mn-Ga shape-memory alloys. Physical Review B, 2003, 68, .	3.2	171
99	Competing tunneling and capacitive paths inCoâ^'ZrO2granular thin films. Physical Review B, 2003, 67, .	3.2	23
100	The oxidation state at tunnel junction interfaces. Journal of Magnetism and Magnetic Materials, 2003, 260, 78-83.	2.3	2
101	Study of the oxygen migration versus anneal in Co/AlOx/Feâ€“FeOy/Ti tunnel junctions. Journal of Magnetism and Magnetic Materials, 2003, 261, L305-L310.	2.3	11
102	A high-sensitivity differential scanning calorimeter with magnetic field for magnetostructural transitions. Review of Scientific Instruments, 2003, 74, 4768-4771.	1.3	61
103	Change in entropy at a first-order magnetoelastic phase transition: Case study of Gd5(SixGe1â^'x)4 giant magnetocaloric alloys. Journal of Applied Physics, 2003, 93, 8313-8315.	2.5	19
104	Low resistance spin-dependent tunnel junctions with ZrAlO[sub x] barriers. Journal of Applied Physics, 2002, 91, 7463.	2.5	9
105	Entropy change and magnetocaloric effect inGd5(SixGe1â^'x)4. Physical Review B, 2002, 66, .	3.2	75
106	Characterization of nano-oxide layers fabricated by ion beam oxidation. IEEE Transactions on Magnetics, 2002, 38, 2755-2757.	2.1	7
107	Scaling of the entropy change at the magnetoelastic transition inGd5(SixGe1â^'x)4. Physical Review B, 2002, 66, .	3.2	70
108	Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. Physical Review B, 2002, 66, .	3.2	124

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109	Low-resistance spin-dependent tunnel junctions with HfAlO/sub x/ barriers for high-density recording-head application. IEEE Transactions on Magnetics, 2002, 38, 2703-2705.	2.1	19
110	Niâ€“Mnâ€“Ga thin films produced by pulsed laser deposition. Journal of Applied Physics, 2002, 91, 8234.	2.5	47
111	Quantitative x-ray photoelectron spectroscopy study of Al/AlO[sub x] bilayers. Journal of Applied Physics, 2002, 91, 10163.	2.5	11
112	Finite-size effects in fine particles: magnetic and transport properties. Journal Physics D: Applied Physics, 2002, 35, R15-R42.	2.8	1,031
113	40% tunneling magnetoresistance after anneal at 380â€ŠÂ°C for tunnel junctions with ironâ€“oxide interface layers. Journal of Applied Physics, 2001, 89, 6665-6667.	2.5	41
114	XPS Analysis of Thin Insulating Barriers in Magnetic Tunnel Junctions. , 2001, , 537-540.		0
115	Domain structures and training effects in granular thin films. Journal of Magnetism and Magnetic Materials, 2000, 221, 45-56.	2.3	7
116	Glassy behavior in magnetic fine particles. Journal of Magnetism and Magnetic Materials, 2000, 221, 26-31.	2.3	17
117	CoFe-based granular alloys: the role of the metallic matrix. Journal of Magnetism and Magnetic Materials, 2000, 210, 295-301.	2.3	7
118	Temperature dependence of the magnetization processes in Co/Al oxide/Permalloy trilayers. IEEE Transactions on Magnetics, 2000, 36, 2957-2959.	2.1	4
119	Antiferromagnetic correlations in Feâ€“Cu granular alloys: The role of the surface structure. Journal of Applied Physics, 2000, 87, 3037-3043.	2.5	1
120	Reply to â€œComment on â€˜Erasing the glassy state in magnetic fine particlesâ€™ â€• Physical Review B, 2000, 62, 1467-1467.	3.2	0
121	Magnetic Force Microscopy: A Powerful Tool to Image Domain Structures in Granular Thin Films. Materials Science Forum, 2000, 352, 9-22.	0.3	1
122	Evidence of domain wall scattering in thin films of granular CoFe-AgCu. European Physical Journal B, 2000, 17, 43-50.	1.5	14
123	Remanence breakdown in granular alloys at magnetic percolation. Journal of Applied Physics, 2000, 88, 1576-1582.	2.5	34
124	The nature of magnetic interactions in CoFe-Ag(Cu) granular thin films. Journal Physics D: Applied Physics, 2000, 33, 609-613.	2.8	19
125	Erasing the glassy state in magnetic fine particles. Physical Review B, 1999, 59, 13584-13587.	3.2	75
126	Texture, strain and alloying in sputtered granular magnetic films. Acta Materialia, 1999, 47, 1661-1670.	7.9	7

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127	Surface effects in barium hexaferrite nanoparticles. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 138-139.	2.3	2
128	The microstructure of CoFeî—¸AgCu granular films: Origin of the perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 274-276.	2.3	0
129	Training behaviour and magnetic domains in CoFeî—¸AgCu granular films. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 465-466.	2.3	2
130	Structural and magnetic properties of iron particles in a copper matrix. Journal of Magnetism and Magnetic Materials, 1999, 203, 120-122.	2.3	1
131	CoFeâ€“Cu granular alloys: From noninteracting particles to magnetic percolation. Journal of Applied Physics, 1999, 85, 7328-7335.	2.5	41
132	Magnetization reversal mechanisms in colloidal dispersions of magnetite particles. IEEE Transactions on Magnetics, 1998, 34, 2114-2116.	2.1	3
133	Magnetic microstructures from magnetic force microscopy and Monte Carlo simulation in CoFe-Ag-Cu granular films. IEEE Transactions on Magnetics, 1998, 34, 912-914.	2.1	12
134	Giant and Anisotropic Magnetoresistance in CoFe-Cu Granular Alloys: The Role of the Ferromagnetic Concentration. Materials Science Forum, 1998, 269-272, 895-900.	0.3	2
135	Magnetotransport properties of NiFeâ€“Ag granular alloys: Origin of the thermal behavior. Journal of Applied Physics, 1997, 82, 677-687.	2.5	18
136	Interaction effects and energy barrier distribution on the magnetic relaxation of nanocrystalline hexagonal ferrites. Physical Review B, 1997, 55, 6440-6445.	3.2	64
137	From demagnetizing to magnetizing interactions in CoFeâ€“AgCu granular films. Journal of Applied Physics, 1997, 81, 4593-4595.	2.5	12
138	The effect of magnetic interaction in barium hexaferrite particles. Journal of Applied Physics, 1997, 81, 3812-3814.	2.5	7
139	Tâ‹…ln(t/Ï„0) scaling approach and fluctuation field analysis in interacting particulate systems. Journal of Applied Physics, 1997, 81, 7427-7431.	2.5	6
140	The effect of the microstructure on the magnetic interactions in CoFeâ€“AgCu granular films: From demagnetizing to magnetizing interactions. Applied Physics Letters, 1997, 70, 132-134.	3.3	29
141	Interactions and Demagnetization in Nanostructured Magnetic Materials: Nanocrystalline Particles and Granular Films. , 1997, , 401-405.		1
142	The effect of quenching rate on the nanocrystallization of amorphous Feî—¸Cuî—¸Nbî—¸Sîî—¸B. Journal of Magnetism and Magnetic Materials, 1997, 171, 315-319.	2.3	10
143	Magnetic relaxation and superparamagnetism in nanocrystalline ferrites. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 191-192.	2.3	6
144	On the role of particle rotation on the blocking processes of BaFe10.4Co0.8Ti0.8O19 nanocrystalline powder. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 473-474.	2.3	4

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145	Nanocrystalline M-type hexaferrite powders: preparation, geometric and magnetic properties. IEEE Transactions on Magnetics, 1994, 30, 714-716.	2.1	17
146	Magnetic ordering and spin reorientations inNd1.8Sr0.2NiO3.72. Physical Review B, 1994, 49, 9138-9149.	3.2	7
147	Magnetic properties of Fe-Cu-Nb-Si-B nanocrystaliine magnetic alloys. IEEE Transactions on Magnetics, 1994, 30, 502-504.	2.1	3
148	Giant magnetoresistance in NiFeâ€Ag granular alloys. Journal of Applied Physics, 1994, 76, 6481-6483.	2.5	6
149	Static magnetic properties of nanocrystalline Co-Ti doped barium ferrite BaFe/sub 12-2x/Co/sub x/Ti/sub x/O/sub 19/ (x=0.8). IEEE Transactions on Magnetics, 1994, 30, 708-710.	2.1	16
150	Surface spin canting in BaFe12O19 fine particles. Journal of Magnetism and Magnetic Materials, 1993, 124, 228-238.	2.3	55
151	Magnetic properties of nanocrystalline barium hexaferrite powders: anisotropy field and interaction effects. Journal of Magnetism and Magnetic Materials, 1993, 127, 229-232.	2.3	9
152	Magnetic study ofMâ€type doped barium ferrite nanocrystalline powders. Journal of Applied Physics, 1993, 74, 3333-3340.	2.5	121
153	Weak ferromagnetism and magnetic interactions in La2NiO4. Journal of Physics Condensed Matter, 1992, 4, 487-496.	1.8	13
154	Magnetic interactions, weak ferromagnetism, and field-induced transitions inNd2NiO4. Physical Review B, 1992, 45, 2830-2843.	3.2	27
155	Cation distribution and magnetization of BaFe12â˜2xCoxSnxO19(x=0.9,1.28) single crystals. Journal of Applied Physics, 1992, 72, 4608-4614.	2.5	21
156	Magnetic study of spin freezing in the spin glassBaCo6Ti6O19: Static and dynamic analysis. Physical Review B, 1992, 46, 8994-9001.	3.2	18
157	Study of the magnetic properties of Nd2NiO4. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 918-920.	2.3	3
158	Ba2Fe10Sn2CoO22: Growth, crystal structure (120 K), and magnetic properties. Journal of Solid State Chemistry, 1991, 92, 213-218.	2.9	6
159	Spin glass transition in BaCo6Ti6O19. Journal of Applied Physics, 1991, 70, 6172-6174.	2.5	14
160	Magnetic transitions in Pr2NiO4single crystal. Journal of Applied Physics, 1991, 70, 6329-6331.	2.5	7
161	Magnetic transitions inNd2NiO4. Physical Review B, 1991, 43, 10451-10454.	3.2	15
162	Cation distribution and intrinsic magnetic properties of Coâ€Tiâ€dopedMâ€type barium ferrite. Journal of Applied Physics, 1991, 70, 1614-1623.	2.5	155

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163	Cationic distribution, magnetization and magnetic anisotropy of Co2+ doped M-type barium ferrite. Journal of Magnetism and Magnetic Materials, 1990, 83, 465-467.	2.3	17
164	Transport and magnetic properties versus hole doping in (La,Nd)2NiO4+Î´. Journal of the Less Common Metals, 1990, 164-165, 853-861.	0.8	4
165	CATIONIC DISTRIBUTION IN BaFe_{12-2x}Co_xSn_xO₁₉ HEXAGONAL FERRITES SUITABLE FOR MAGNETIC RECORDING. Journal De Physique Colloque, 1988, 49, C8-939-C8-940.	0.2	7