Amilcar Labarta

List of Publications by Year in Descending Order

219 papers	6,836 citations	40 h-index	76 g-index
228 ext. papers	7,155 ext. citations	3.3 avg, IF	5.65 L-index

#	Paper	IF	Citations
219	Tunable circular dichroism through absorption in coupled optical modes of twisted triskelia nanostructures.. *Scientific Reports*, **2022**, 12, 26	4.9	1
218	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	3.8	3
217	Selective Control over the Morphology and the Oxidation State of Iron Oxide Nanoparticles. *Langmuir*, **2021**, 37, 35-45	4	5
216	Driving magnetic domains at the nanoscale by interfacial strain-induced proximity. *Nanoscale*, **2021**, 13, 4985-4994	7.7	0
215	Magnetic nanoparticles: From the nanostructure to the physical properties. *Journal of Magnetism and Magnetic Materials*, **2021**, 543, 168594	2.8	10
214	Geometric frustration in ordered lattices of plasmonic nanoelements. *Scientific Reports*, **2019**, 9, 3529	4.9	4
213	Probing the variability in oxidation states of magnetite nanoparticles by single-particle spectroscopy. *Journal of Materials Chemistry C*, **2018**, 6, 875-882	7.1	7
212	Geometric frustration in a hexagonal lattice of plasmonic nanoelements. *Optics Express*, **2018**, 26, 20211-20224	3.5	3
211	Aggregation state and magnetic properties of magnetite nanoparticles controlled by an optimized silica coating. *Journal of Applied Physics*, **2017**, 121, 044304	2.5	18
210	Universality of the electrical transport in granular metals. *Scientific Reports*, **2016**, 6, 29676	4.9	25
209	Tuning the magnetic properties of Co-ferrite nanoparticles through the 1,2-hexadecanediol concentration in the reaction mixture. *Physical Chemistry Chemical Physics*, **2015**, 17, 13143-9	3.6	14
208	Inducing glassy magnetism in Co-ferrite nanoparticles through crystalline nanostructure. *Journal of Materials Chemistry C*, **2015**, 3, 4522-4529	7.1	9
207	Quantification of Dipolar Interactions in Fe3□O4 Nanoparticles. *Journal of Physical Chemistry C*, **2015**, 119, 24142-24148	3.8	24
206	Superparamagnetic versus blocked states in aggregates of Fe(3-x)O□nanoparticles studied by MFM. *Nanoscale*, **2015**, 7, 17764-70	7.7	18
205	Equivalent circuit modeling of the ac response of Pd-ZrO2granular metal thin films using impedance spectroscopy. *Journal Physics D: Applied Physics*, **2015**, 48, 335306	3	11
204	Au cylindrical nanocup: A geometrically, tunable optical nanoresonator. *Applied Physics Letters*, **2015**, 107, 033102	3.4	3
203	The effect of oleic acid on the synthesis of Fe(3-x)O4 nanoparticles over a wide size range. *Physical Chemistry Chemical Physics*, **2015**, 17, 27373-9	3.6	35

202	Direct imaging of the magnetic polarity and reversal mechanism in individual Fe(3-x)O4 nanoparticles. *Nanoscale*, **2015**, 7, 8110-4	7.7	21
201	Manipulation of competing ferromagnetic and antiferromagnetic domains in exchange-biased nanostructures. *Physical Review B*, **2015**, 92,	3.3	8
200	Nanoparticles with tunable shape and composition fabricated by nanoimprint lithography. *Nanotechnology*, **2015**, 26, 445302	3.4	9
199	Antiferromagnetic/ferromagnetic nanostructures for multidigit storage units. *Applied Physics Letters*, **2014**, 104, 032401	3.4	20
198	Pressure effects in hollow and solid iron oxide nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2013**, 335, 1-5	2.8	1
197	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	3	3
196	SiO2 coating effects in the magnetic anisotropy of Fe3-xO4 nanoparticles suitable for bio-applications. *Nanotechnology*, **2013**, 24, 155705	3.4	10
195	Surfactant organic molecules restore magnetism in metal-oxide nanoparticle surfaces. *Nano Letters* , **2012**, 12, 2499-503	11.5	116
194	Magnetization reversal in Ni/FeF2 heterostructures with the coexistence of positive and negative exchange bias. *Physical Review B*, **2012**, 86,	3.3	7
193	Magnetic nanoparticles with bulklike properties (invited). *Journal of Applied Physics*, **2011**, 109, 07B524	2.5	92
192	Tuning the Size, the Shape, and the Magnetic Properties of Iron Oxide Nanoparticles. *Journal of Physical Chemistry C*, **2011**, 115, 390-396	3.8	218
191	Shifted loops and coercivity from field-imprinted high-energy barriers in ferritin and ferrihydrite nanoparticles. *Physical Review B*, **2011**, 84,	3.3	24
190	Reduction of iron by decarboxylation in the formation of magnetite nanoparticles. *Physical Chemistry Chemical Physics*, **2011**, 13, 19485-9	3.6	19
189	Griffiths-like phase and magnetic correlations at high fields in Gd5Ge4. *Physical Review B*, **2011**, 83,	3.3	12
188	Mirror symmetry in magnetization reversal and coexistence of positive and negative exchange bias in Ni/FeF2. *Applied Physics Letters*, **2011**, 98, 152507	3.4	5
187	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. *Nanomedicine*, **2010**, 5, 397-408	5.6	57
186	The fabrication of ordered arrays of exchange biased Ni/FeF2 nanostructures. *Nanotechnology*, **2010**, 21, 175301	3.4	7
185	Heating rate influence on the synthesis of iron oxide nanoparticles: the case of decanoic acid. *Chemical Communications*, **2010**, 46, 6108-10	5.8	83

184	Controlled synthesis of iron oxide nanoparticles over a wide size range. *Langmuir*, **2010**, 26, 5843-7	4	131
183	Tuning exchange bias in Ni/FeF2 heterostructures using antidot arrays. *Applied Physics Letters*, **2009**, 95, 152507	3.4	23
182	ac conductance in granular insulating Co-ZrO2 thin films: A universal response. *Physical Review B*, **2009**, 79,	3.3	6
181	Nanostructural origin of the spin and orbital contribution to the magnetic moment in Fe3O4 magnetite nanoparticles. *Applied Physics Letters*, **2009**, 94, 093108	3.4	38
180	Controlling exchange bias in Co-CoOx nanoparticles by oxygen content. *Nanotechnology*, **2009**, 20, 175702	3.4	40
179	Magnetic domains and surface effects in hollow maghemite nanoparticles. *Physical Review B*, **2009**, 79,	3.3	100
178	Particle size and cooling field dependence of exchange bias in core/shell magnetic nanoparticles. *Journal Physics D: Applied Physics*, **2008**, 41, 134010	3	33
177	Surface anisotropy broadening of the energy barrier distribution in magnetic nanoparticles. *Nanotechnology*, **2008**, 19, 475704	3.4	68
176	Metallic Nanoparticles Embedded in a Dielectric Matrix: Growth Mechanisms and Percolation. *Journal of Nanomaterials*, **2008**, 2008, 1-5	3.2	5
175	Stiffness and Thickness of Boron-Nitride Nanotubes. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 3774-3780	1.3	80
174	Exchange Bias Phenomenology and Models of Core/Shell Nanoparticles. *Journal of Nanoscience and Nanotechnology*, **2008**, 8, 2761-2780	1.3	236
173	Modelling exchange bias in core/shell nanoparticles. *Journal of Physics Condensed Matter*, **2007**, 19, 406238	2.2	32
172	Magnetic properties of dense carbon nanospheres prepared by chemical vapor deposition. *Chemical Physics Letters*, **2007**, 447, 295-299	2.5	9
171	Gold nanoparticles for selective and remote heating of amyloid protein aggregates. *Materials Science and Engineering C*, **2007**, 27, 1236-1240	8.3	34
170	Modification of magnetic properties of polyethyleneterephthalate by iron ion implantation. *Nuclear Instruments & Methods in Physics Research B*, **2007**, 257, 589-592	1.2	8
169	Magnetic properties of Co nanoparticles in zirconia matrix. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 103-105	2.8	8
168	Exchange bias and asymmetric hysteresis loops from a microscopic model of core/shell nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, 140-142	2.8	23
167	Surfactant effects in magnetite nanoparticles of controlled size. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e756-e759	2.8	250

166	Fourfold magnetic anisotropy, coercivity and magnetization reversal of Co/V bilayers grown on MgO(0 0 1). *Journal Physics D: Applied Physics*, **2007**, 40, 6857-6864	3	
165	Interface effects in the magneto-optical properties of Co nanoparticles in dielectric matrix. *Applied Physics Letters*, **2007**, 90, 182506	3.4	24
164	Reply to Comment on Nature and entropy content of the ordering transitions in RCo2 *Physical Review B*, **2007**, 75,	3.3	8
163	Nanostructural origin of the ac conductance in dielectric granular metals: The case study of Co20(ZrO2)80. *Applied Physics Letters*, **2007**, 91, 052108	3.4	6
162	Entropy change at the magnetostructural transition in. *Journal of Magnetism and Magnetic Materials*, **2006**, 301, 378-382	2.8	8
161	Acoustic emission across the magnetostructural transition of the giant magnetocaloric Gd5Si2Ge2. *Physical Review B*, **2006**, 73,	3.3	20
160	Size mediated control of the optical and magneto-optical properties of Co nanoparticles in ZrO2. *Journal of Applied Physics*, **2006**, 100, 074320	2.5	14
159	Tunneling magnetoresistance in CoZrO2 granular thin films. *Physical Review B*, **2006**, 73,	3.3	55
158	Particle growth mechanisms in Ag-ZrO(2) and Au-ZrO(2) granular films obtained by pulsed laser deposition. *Nanotechnology*, **2006**, 17, 4106-11	3.4	18
157	Nature and entropy content of the ordering transitions in RCo2. *Physical Review B*, **2006**, 73,	3.3	62
156	Magnetic properties of dense graphitic filaments formed via thermal decomposition of mesitylene in an applied electric field. *Carbon*, **2006**, 44, 2864-2867	10.4	10
155	Monte Carlo simulation study of exchange biased hysteresis loops in nanoparticles. *Physica B: Condensed Matter*, **2006**, 372, 247-250	2.8	28
154	Nanoparticle-mediated local and remote manipulation of protein aggregation. *Nano Letters*, **2006**, 6, 110-5	11.5	256
153	Microscopic origin of exchange bias in core/shell nanoparticles. *Physical Review B*, **2005**, 72,	3.3	101
152	From Finite Size and Surface Effects to Glassy Behaviour in Ferrimagnetic Nanoparticles **2005**, 105-140		12
151	Synthesis and characterization of stabilized subnanometric cobalt metal particles. *Journal of the American Chemical Society*, **2005**, 127, 18026-30	16.4	24
150	Direct observation of the magnetic-field-induced entropy change in Gd5(SixGe1)4 giant magnetocaloric alloys. *Applied Physics Letters*, **2005**, 86, 262504	3.4	49
149	Electrical properties in granular Co-ZrO2 thin films. *International Journal of Nanotechnology*, **2005**, 2, 43	1.5	7

148	Nucleation phenomenon in nanoparticle self-assemblies. *International Journal of Nanotechnology*, **2005**, 2, 62	1.5	10
147	Differential scanning calorimetry experiments in RCo2. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 682-685	2.8	8
146	Influence of surface anisotropy on the hysteresis of magnetic nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 738-741	2.8	24
145	Giant heat dissipation at the low-temperature reversible-irreversible transition in Gd5Ge4. *Physical Review B*, **2005**, 72,	3.3	25
144	Coexistence of short-range ferromagnetic and antiferromagnetic correlations in Ge-rich Gd5(SixGe1⊠)4alloys. *Journal Physics D: Applied Physics*, **2005**, 38, 3343-3347	3	25
143	Structural and Magnetic Properties of Granular Co-ZrO2 Films. *Materials Research Society Symposia Proceedings*, **2005**, 877, 1		
142	Effect of a magnetic field on the magnetostructural phase transition in Gd5(SixGe1⊠)4. *Physical Review B*, **2004**, 69,	3.3	44
141	Annealing of Electroplated Co-Cu Films to Induce Magnetoresistance. *Journal of the Electrochemical Society*, **2004**, 151, C731	3.9	13
140	Magnetocaloric and shape-memory effects in Ni-Mn-Ga ferro-magnetic alloys. *European Physical Journal Special Topics*, **2004**, 115, 105-110		5
139	Dynamics of the first-order magnetostructural transition in Gd5(Si x Ge1-x)4. *European Physical Journal B*, **2004**, 40, 427-431	1.2	21
138	Shape and surface anisotropy effects on the hysteresis of ferrimagnetic nanoparticles. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 685-686	2.8	11
137	Magnetic relaxation in a model of interacting nanoparticles in terms of microscopic energy barriers. *Physica Status Solidi A*, **2004**, 201, 3329-3332		4
136	Influence of surface anisotropy on the magnetization reversal of nanoparticles. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2004**, 1, 3481-3484		5
135	Magnetic field induced entropy change and magnetoelasticity in Ni⊠MnGa alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1595-E1596	2.8	4
134	Role of surface disorder on the magnetic properties and hysteresis of nanoparticles. *Physica B: Condensed Matter*, **2004**, 343, 286-292	2.8	80
133	Macromolecular polyradicals with cyclic triphosphazene as a core. Spectral and electrochemical properties. *Journal of Organic Chemistry*, **2004**, 69, 99-104	4.2	17
132	Magnetic relaxation in terms of microscopic energy barriers in a model of dipolar interacting nanoparticles. *Physical Review B*, **2004**, 70,	3.3	57
131	A high-sensitivity differential scanning calorimeter with magnetic field for magnetostructural transitions. *Review of Scientific Instruments*, **2003**, 74, 4768-4771	1.7	59

130	Multiscale origin of the magnetocaloric effect in Ni-Mn-Ga shape-memory alloys. *Physical Review B*, **2003**, 68,	3.3	155
129	Competing tunneling and capacitive paths in Co□rO2 granular thin films. *Physical Review B*, **2003**, 67,	3.3	20
128	The oxidation state at tunnel junction interfaces. *Journal of Magnetism and Magnetic Materials*, **2003**, 260, 78-83	2.8	2
127	Electrochemical behaviour and physical properties of Cu/Co multilayers. *Electrochimica Acta*, **2003**, 48, 1005-1013	6.7	15
126	Change in entropy at a first-order magnetoelastic phase transition: Case study of Gd5(SixGe1□)4 giant magnetocaloric alloys. *Journal of Applied Physics*, **2003**, 93, 8313-8315	2.5	15
125	Finite-size effects in fine particles: magnetic and transport properties. *Journal Physics D: Applied Physics*, **2002**, 35, R15-R42	3	976
124	Magnetic field scaling of relaxation curves in small particle systems. *Journal of Applied Physics*, **2002** , 91, 4409-4417	2.5	18
123	Magnetic structure of Li2CuO2: From ab initio calculations to macroscopic simulations. *Physical Review B*, **2002**, 66,	3.3	56
122	Martensitic transition and magnetoresistance in a Cu-Al-Mn shape-memory alloy: Influence of ageing. *Physical Review B*, **2002**, 66,	3.3	24
121	Entropy change and magnetocaloric effect in Gd5(SixGe1□)4. *Physical Review B*, **2002**, 66,	3.3	70
120	Scaling of the entropy change at the magnetoelastic transition in Gd5(SixGe1□)4. *Physical Review B*, **2002**, 66,	3.3	65
119	Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. *Physical Review B*, **2002**, 66,	3.3	116
118	Ni□Mn□Ga thin films produced by pulsed laser deposition. *Journal of Applied Physics*, **2002**, 91, 8234	2.5	42
117	Quantitative x-ray photoelectron spectroscopy study of Al/AlOx bilayers. *Journal of Applied Physics*, **2002**, 91, 10163	2.5	9
116	Characterisation of cobalt/copper multilayers obtained by electrodeposition. *Surface and Coatings Technology*, **2002**, 153, 261-266	4.4	24
115	Effects of the magnetic field on the relaxation of small particle systems. *Computational Materials Science*, **2002**, 25, 577-583	3.2	8
114	Electrodeposited cobalt+copper thin films on ITO substrata. *Journal of Electroanalytical Chemistry*, **2001**, 517, 63-68	4.1	26
113	Monte Carlo study of the finite-size effects on the magnetization of maghemite small particles. *Journal of Applied Physics*, **2001**, 89, 7597-7599	2.5	6

112	Finite Size Effects in Small Particle Systems **2001**, 363-367		1
111	Finite-size and surface effects in maghemite nanoparticles: Monte Carlo simulations. *Physical Review B*, **2001**, 63,	3.3	214
110	Magnetoelasticity and magnetoresistance in Cu-Al-Mn shape-memory alloys. *IEEE Transactions on Magnetics*, **2001**, 37, 2712-2714	2	3
109	XPS Analysis of Thin Insulating Barriers in Magnetic Tunnel Junctions **2001**, 537-540		
108	Domain structures and training effects in granular thin films. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 45-56	2.8	6
107	Magnetic history dependence of metastable states in thin films with dipolar interactions. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 149-157	2.8	9
106	Glassy behavior in magnetic fine particles. *Journal of Magnetism and Magnetic Materials*, **2000**, 221, 26-31	2.8	16
105	CoFe-based granular alloys: the role of the metallic matrix. *Journal of Magnetism and Magnetic Materials*, **2000**, 210, 295-301	2.8	7
104	Temperature dependence of the magnetization processes in Co/Al oxide/Permalloy trilayers. *IEEE Transactions on Magnetics*, **2000**, 36, 2957-2959	2	4
103	Reply to Comment on Erasing the glassy state in magnetic fine particles *Physical Review B*, **2000**, 62, 1467-1467	3.3	
102	Magnetic Force Microscopy: A Powerful Tool to Image Domain Structures in Granular Thin Films. *Materials Science Forum*, **2000**, 352, 9-22	0.4	1
101	Evidence of domain wall scattering in thin films of granular CoFe-AgCu. *European Physical Journal B*, **2000**, 17, 43-50	1.2	13
100	Remanence breakdown in granular alloys at magnetic percolation. *Journal of Applied Physics*, **2000**, 88, 1576-1582	2.5	33
99	The nature of magnetic interactions in CoFe-Ag(Cu) granular thin films. *Journal Physics D: Applied Physics*, **2000**, 33, 609-613	3	18
98	Premartensitic and martensitic phase transitions in ferromagnetic Ni2MnGa. *Physical Review B*, **1999**, 60, 7085-7090	3.3	93
97	Erasing the glassy state in magnetic fine particles. *Physical Review B*, **1999**, 59, 13584-13587	3.3	71
96	Texture, strain and alloying in sputtered granular magnetic films. *Acta Materialia*, **1999**, 47, 1661-1670	8.4	7
95	Surface effects in barium hexaferrite nanoparticles. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 138-139	2.8	2

94	The microstructure of CoFe?AgCu granular films: Origin of the perpendicular anisotropy. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 274-276	2.8	
93	Training behaviour and magnetic domains in CoFe?AgCu granular films. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 465-466	2.8	2
92	Magnetoelasticity in the Heusler Ni2MnGa alloy. *Journal of Magnetism and Magnetic Materials*, **1999** , 196-197, 637-638	2.8	11
91	Monte Carlo simulation of the magnetic ordering in thin films with perpendicular anisotropy. *Journal of Magnetism and Magnetic Materials*, **1999**, 196-197, 819-820	2.8	9
90	Structural and magnetic properties of iron particles in a copper matrix. *Journal of Magnetism and Magnetic Materials*, **1999**, 203, 120-122	2.8	1
89	CoFe□u granular alloys: From noninteracting particles to magnetic percolation. *Journal of Applied Physics*, **1999**, 85, 7328-7335	2.5	38
88	Magnetization reversal mechanisms in colloidal dispersions of magnetite particles. *IEEE Transactions on Magnetics*, **1998**, 34, 2114-2116	2	3
87	Two spin-containing fragments connected by a two-electron one-center heteroatom □spacer. A new open-shell organic molecule witha singlet ground state. *Journal of Materials Chemistry*, **1998**, 8, 1165-1172		6
86	Experimental and theoretical characterization of the high-affinity cation-binding site of the purple membrane. *Biophysical Journal*, **1998**, 75, 777-84	2.9	15
85	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	12
84	Giant and Anisotropic Magnetoresistance in CoFe-Cu Granular Alloys: The Role of the Ferromagnetic Concentration. *Materials Science Forum*, **1998**, 269-272, 895-900	0.4	2
83	Magnetotransport properties of NiFe□g granular alloys: Origin of the thermal behavior. *Journal of Applied Physics*, **1997**, 82, 677-687	2.5	17
82	Normalization factors for magnetic relaxation of small-particle systems in a nonzero magnetic field. *Physical Review B*, **1997**, 55, 8940-8944	3.3	26
81	Interaction effects and energy barrier distribution on the magnetic relaxation of nanocrystalline hexagonal ferrites. *Physical Review B*, **1997**, 55, 6440-6445	3.3	63
80	From demagnetizing to magnetizing interactions in CoFe□AgCu granular films. *Journal of Applied Physics*, **1997**, 81, 4593-4595	2.5	10
79	The effect of magnetic interaction in barium hexaferrite particles. *Journal of Applied Physics*, **1997**, 81, 3812-3814	2.5	7
78	T?ln(t/□) scaling approach and fluctuation field analysis in interacting particulate systems. *Journal of Applied Physics*, **1997**, 81, 7427-7431	2.5	6
77	Magnetic properties of geometrically frustrated systems **1997**, 414-425		

76	The effect of the microstructure on the magnetic interactions in CoFeAgCu granular films: From demagnetizing to magnetizing interactions. *Applied Physics Letters*, **1997**, 70, 132-134	3.4	25
75	Interactions and Demagnetization in Nanostructured Magnetic Materials: Nanocrystalline Particles and Granular Films **1997**, 401-405		0
74	Magnetic relaxation and superparamagnetism in nanocrystalline ferrites. *Journal of Magnetism and Magnetic Materials*, **1996**, 157-158, 191-192	2.8	6
73	Monte Carlo simulation of magnetic relaxation in small-particle: Systems with dipolar interactions. *Journal of Magnetism and Magnetic Materials*, **1996**, 157-158, 351-352	2.8	4
72	Energy barrier distributions in magnetic systems from the Tln(t/0) scaling. *Zeitschrift F Physik B-Condensed Matter*, **1996**, 100, 173-178		30
71	Magnetic relaxation of a one-dimensional model for small particle systems with dipolar interaction: Monte Carlo simulation. *Journal of Applied Physics*, **1996**, 80, 5192-5199	2.5	17
70	Inert carbon free radicals. 13. New free radicals of PTM (perchlorotriphenylmethyl) series with meta functionalization. *Tetrahedron*, **1995**, 51, 7301-7312	2.4	4
69	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	2.8	4
68	scaling in small-particle systems: low-temperature behaviour. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 399-400	2.8	19
67	Inert Carbon Free Radicals. 12. Synthesis, Electronic Spectra, and Magnetic Properties of Stable Polymeric Polyradicals with Perchlorotriphenylmethyl Radical Units. *Chemistry of Materials*, **1995**, 7, 314-323	9.6	4
66	Monte Carlo study of a kinetic lattice model with random diffusion of disorder. *Physical Review E*, **1994**, 49, 2041-2048	2.4	7
65	Giant magnetoresistance in NiFe-Ag granular alloys. *Journal of Applied Physics*, **1994**, 76, 6481-6483	2.5	6
64	Magnetic transition in highly frustrated SrCr8Ga4O19: The archetypal kagome-acute system. *Physical Review B*, **1994**, 50, 15779-15786	3.3	51
63	Trichloro-2,6-pyridylene, a Good Ferromagnetic Coupling Unit between Two Persistent Carbon Radical Centers. *Journal of Organic Chemistry*, **1994**, 59, 4107-4113	4.2	8
62	Inert Carbon Free Radicals. 11. Synthesis and Magnetic Behavior of (4,4'-Dicarboxytridecachlorotriphenyl)methyl Radical and Related Results. *Journal of Organic Chemistry*, **1994**, 59, 2604-2607	4.2	10
61	Magnetic relaxation in small-particle systems: ln(t/ tau 0) scaling. *Physical Review B*, **1993**, 48, 10240-10246	3.3	116
60	Bridgman growth and enhanced critical currents in textured YBa2Cu3O7 Y2BaCuO5 composites. *Journal of Alloys and Compounds*, **1993**, 195, 11-14	5.7	30
59	Magnetic behavior of the BaFe4-2xSn2+xCoxO11 system: From cluster glass to kagome-acute phase. *Physical Review B*, **1993**, 48, 16440-16448	3.3	9

58	Mixed bridged, dinuclear copper(II) complexes with dinucleating, pyrazole derived ligands. *Inorganica Chimica Acta*, **1993**, 208, 167-171	2.7	29
57	Magnetization and Mössbauer studies of ultrafine Fe-C particles. *Journal of Magnetism and Magnetic Materials*, **1993**, 124, 269-276	2.8	104
56	Magnetic dilution in the strongly frustrated kagome antiferromagnet SrGa12-xCrxO19. *Physical Review B*, **1992**, 46, 10786-10792	3.3	74
55	Magnetic study of spin freezing in the spin glass BaCo6Ti6O19: Static and dynamic analysis. *Physical Review B*, **1992**, 46, 8994-9001	3.3	17
54	Random anisotropy induced by structural disorder. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 123-124	2.8	1
53	Electron spin resonance in the spin-glass-like system Fe1−xGaxSbO4. *Journal of Magnetism and Magnetic Materials*, **1992**, 104-107, 1649-1651	2.8	
52	Magnetic properties of Fe/Cu multilayers. *Journal of Magnetism and Magnetic Materials*, **1991**, 93, 425-428	2.8	17
51	Spin glass transition in BaCo6Ti6O19. *Journal of Applied Physics*, **1991**, 70, 6172-6174	2.5	13
50	Noncritical behavior and remanent magnetization in magnetically frustrated FeSbO4. *Physical Review B*, **1991**, 44, 691-698	3.3	12
49	Electron-spin resonance in the spin-glass-like system Fe1-xGaxSbO4. *Physical Review B*, **1991**, 44, 4455-4460	3.3	14
48	The first isolated carbon tetraradical with a pair of triplets. *Journal of the American Chemical Society* , **1991**, 113, 8281-8284	16.4	9
47	Correlated spin glass generated by structural disorder in the amorphous Dy6Fe74B20 alloy. *Physical Review B*, **1991**, 44, 7698-7700	3.3	45
46	Magnetic behavior of ferromagnets with random anisotropy. *Journal of Applied Physics*, **1990**, 67, 5984-5986	2.5	4
45	Cems studies in iron-silicon thin films. *Hyperfine Interactions*, **1990**, 52, 321-327	0.8	2
44	Low-temperature magnetization measurements and magnetostriction of (Fe80-xRx)B20 (R = Y, Ce, Nd, Sm, Gd, Dy, Ho, Er, Tm, Lu) (0 Journal of Magnetism and Magnetic Materials, **1990**, 86, 219-224	2.8	2
43	Spin glass-type behavior in iron antimonate: The identification of unusual phenomena at low temperatures in low magnetic fields. *Journal of Solid State Chemistry*, **1990**, 87, 237-240	3.3	4
42	Spectroscopic and thermogravimetric studies of Co(II)-nucleotides complexes. *Journal of Inorganic Biochemistry*, **1990**, 39, 173-186	4.2	9
41	Short-range antiferromagnetic correlations in spin-glass-like iron antimonate of composition FeSbO4. *Journal of Physics Condensed Matter*, **1990**, 2, 6801-6806	1.8	11

40	Magnetic studies of Fe-Y compositionally modulated thin films. *Journal of Applied Physics*, **1990**, 67, 5652-5654	2.5	11
39	Electronic structure determination and dynamical properties of iron (II)-guanosine-5′-monophosphate complex via mossbauer and magnetic susceptibility measurements. *Journal of Chemical Physics*, **1990**, 92, 6131-6139	3.9	2
38	Phenomenological study of the amorphous Fe80B20 ferromagnet with small random anisotropy. *Physical Review B*, **1990**, 42, 898-905	3.3	37
37	Critical and finite-size-scaling behaviours of short-range order parameters. *Journal of Physics Condensed Matter*, **1989**, 1, 8147-8154	1.8	4
36	Magnetic frustration and lattice dimensionality in SrCr8Ga4O19. *Solid State Communications*, **1988**, 65, 189-192	1.6	183
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