Amilcar Labarta

List of Publications by Year
in descending order

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222 papers	7,572 citations	66234 42 h-index	62479 80 g-index
228 all docs	228 docs citations	228 times ranked	7350 citing authors

#	Article	IF	Citations
1	Finite-size effects in fine particles: magnetic and transport properties. Journal Physics D: Applied Physics, 2002, 35, R15-R42.	1.3	1,031
2	Nanoparticle-Mediated Local and Remote Manipulation of Protein Aggregation. Nano Letters, 2006, 6, 110-115.	4.5	305
3	Surfactant effects in magnetite nanoparticles of controlled size. Journal of Magnetism and Magnetic Materials, 2007, 316, e756-e759.	1.0	273
4	Tuning the Size, the Shape, and the Magnetic Properties of Iron Oxide Nanoparticles. Journal of Physical Chemistry C, 2011, 115, 390-396.	1.5	255
5	Exchange Bias Phenomenology and Models of Core/Shell Nanoparticles. Journal of Nanoscience and Nanotechnology, 2008, 8, 2761-2780.	0.9	254
6	Finite-size and surface effects in maghemite nanoparticles: â€,Monte Carlo simulations. Physical Review B, 2001, 63, .	1.1	239
7	Magnetic frustration and lattice dimensionality in SrCr8Ga4O19. Solid State Communications, 1988, 65, 189-192.	0.9	191
8	Multiscale origin of the magnetocaloric effect in Ni-Mn-Ga shape-memory alloys. Physical Review B, 2003, 68, .	1.1	171
9	Controlled Synthesis of Iron Oxide Nanoparticles over a Wide Size Range. Langmuir, 2010, 26, 5843-5847.	1.6	147
10	Surfactant Organic Molecules Restore Magnetism in Metal-Oxide Nanoparticle Surfaces. Nano Letters, 2012, 12, 2499-2503.	4.5	132
11	Magnetic field induced entropy change and magnetoelasticity in Ni-Mn-Ga alloys. Physical Review B, 2002, 66, .	1.1	124
12	Magnetic relaxation in small-particle systems: ln(t/Ï„0) scaling. Physical Review B, 1993, 48, 10240-10246.	1.1	121
13	Microscopic origin of exchange bias in core/shell nanoparticles. Physical Review B, 2005, 72, .	1.1	111
14	Magnetization and MÃ¶ssbauer studies of ultrafine Fe-C particles. Journal of Magnetism and Magnetic Materials, 1993, 124, 269-276.	1.0	110
15	Magnetic domains and surface effects in hollow maghemite nanoparticles. Physical Review B, 2009, 79, .	1.1	110
16	Magnetic nanoparticles with bulklike properties (invited). Journal of Applied Physics, 2011, 109, .	1.1	105
17	Premartensitic and martensitic phase transitions in ferromagneticNi2MnGa. Physical Review B, 1999, 60, 7085-7090.	1.1	100
18	Heating rate influence on the synthesis of iron oxide nanoparticles: the case of decanoic acid. Chemical Communications, 2010, 46, 6108.	2.2	96

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19	Role of surface disorder on the magnetic properties and hysteresis of nanoparticles. Physica B: Condensed Matter, 2004, 343, 286-292.	1.3	84
20	Magnetic dilution in the strongly frustratedkagomeantiferromagnetSrGa12â˜'xCrxO19. Physical Review B, 1992, 46, 10786-10792.	1.1	83
21	Stiffness and Thickness of Boron-Nitride Nanotubes. Journal of Nanoscience and Nanotechnology, 2008, 8, 3774-3780.	0.9	81
22	Spin glass behaviour in an antiferromagnetic non-frustrated lattice: Sr2FeNbO6perovskite. Journal of Physics C: Solid State Physics, 1985, 18, L401-L405.	1.5	75
23	Erasing the glassy state in magnetic fine particles. Physical Review B, 1999, 59, 13584-13587.	1.1	75
24	Entropy change and magnetocaloric effect inGd5(SixGe1â˜'x)4. Physical Review B, 2002, 66, .	1.1	75
25	Surface anisotropy broadening of the energy barrier distribution in magnetic nanoparticles. Nanotechnology, 2008, 19, 475704.	1.3	75
26	Scaling of the entropy change at the magnetoelastic transition inGd5(SixGe1â˜'x)4. Physical Review B, 2002, 66, .	1.1	70
27	Nature and entropy content of the ordering transitions inRCo2. Physical Review B, 2006, 73, .	1.1	70
28	Magnetic relaxation in terms of microscopic energy barriers in a model of dipolar interacting nanoparticles. Physical Review B, 2004, 70, .	1.1	66
29	Interaction effects and energy barrier distribution on the magnetic relaxation of nanocrystalline hexagonal ferrites. Physical Review B, 1997, 55, 6440-6445.	1.1	64
30	Liver and brain imaging through dimercaptosuccinic acid-coated iron oxide nanoparticles. Nanomedicine, 2010, 5, 397-408.	1.7	64
31	A high-sensitivity differential scanning calorimeter with magnetic field for magnetostructural transitions. Review of Scientific Instruments, 2003, 74, 4768-4771.	0.6	61
32	Magnetic structure ofLi2CuO2:â€ƒFromab initiocalculations to macroscopic simulations. Physical Review B, 2002, 66, .	1.1	57
33	Tunneling magnetoresistance inCoâ˜'ZrO2granular thin films. Physical Review B, 2006, 73, .	1.1	57
34	Stationary nonequilibrium states in the Ising model with locally competing temperatures. Journal of Statistical Physics, 1987, 49, 551-568.	0.5	54
35	Magnetic transition in highly frustratedSrCr8Ga4O19: The archetypalkagomeÂ´ system. Physical Review B, 1994, 50, 15779-15786.	1.1	54
36	Direct observation of the magnetic-field-induced entropy change in Gd5(SixGe1â˜'x)4 giant magnetocaloric alloys. Applied Physics Letters, 2005, 86, 262504.	1.5	53

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37	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.	1.3	49
38	Niâ€"Mnâ€"Ga thin films produced by pulsed laser deposition. Journal of Applied Physics, 2002, 91, 8234.	1.1	47
39	Exchange interactions in BaFe12O19. Applied Physics A: Solids and Surfaces, 1986, 39, 221-225.	1.4	46
40	Correlated spin glass generated by structural disorder in the amorphousDy6Fe74B20alloy. Physical Review B, 1991, 44, 7698-7700.	1.1	46
41	Controlling exchange bias in Coâ€"CoO_xnanoparticles by oxygen content. Nanotechnology, 2009, 20, 175702.	1.3	46
42	Magnetic nanoparticles: From the nanostructure to the physical properties. Journal of Magnetism and Magnetic Materials, 2022, 543, 168594.	1.0	45
43	Effect of a magnetic field on the magnetostructural phase transition inGd5(SixGe1â^'x)4. Physical Review B, 2004, 69, .	1.1	44
44	Nanostructural origin of the spin and orbital contribution to the magnetic moment in Fe3â^'xO4 magnetite nanoparticles. Applied Physics Letters, 2009, 94, .	1.5	44
45	CoFeâ€"Cu granular alloys: From noninteracting particles to magnetic percolation. Journal of Applied Physics, 1999, 85, 7328-7335.	1.1	41
46	Phenomenological study of the amorphousFe80B20ferromagnet with small random anisotropy. Physical Review B, 1990, 42, 898-905.	1.1	38
47	Gold nanoparticles for selective and remote heating of Î²-amyloid protein aggregates. Materials Science and Engineering C, 2007, 27, 1236-1240.	3.8	38
48	Critical behavior of Ising models with static site dilution. Physical Review B, 1986, 34, 347-349.	1.1	36
49	Mixed bridged, dinuclear copper(II) complexes with dinucleating, pyrazole derived ligands. Inorganica Chimica Acta, 1993, 208, 167-171.	1.2	35
50	Modelling exchange bias in core/shell nanoparticles. Journal of Physics Condensed Matter, 2007, 19, 406232.	0.7	35
51	Particle size and cooling field dependence of exchange bias in core/shell magnetic nanoparticles. Journal Physics D: Applied Physics, 2008, 41, 134010.	1.3	35
52	Remanence breakdown in granular alloys at magnetic percolation. Journal of Applied Physics, 2000, 88, 1576-1582.	1.1	34
53	Cation distribution and random spin canting in LaZnFe11O19. Journal of Physics C: Solid State Physics, 1986, 19, 6605-6621.	1.5	32
54	Electrodeposited cobalt+copper thin films on ITO substrata. Journal of Electroanalytical Chemistry, 2001, 517, 63-68.	1.9	32

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55	Universality of the electrical transport in granular metals. Scientific Reports, 2016, 6, 29676.	1.6	32
56	Bridgman growth and enhanced critical currents in textured YBa2Cu3O7 â€" Y2BaCuO5 composites. Journal of Alloys and Compounds, 1993, 195, 11-14.	2.8	31
57	Energy barrier distributions in magnetic systems from the Tln(t/Ï„0) scaling. Zeitschrift FÃ¼r Physik B-Condensed Matter, 1996, 100, 173-178.	1.1	31
58	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.	1.5	29
59	Monte Carlo simulation study of exchange biased hysteresis loops in nanoparticles. Physica B: Condensed Matter, 2006, 372, 247-250.	1.3	29
60	Shifted loops and coercivity from field-imprinted high-energy barriers in ferritin and ferrihydrite nanoparticles. Physical Review B, 2011, 84, .	1.1	29
61	Quantification of Dipolar Interactions in Fe_{3â€“x}O₄ Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 24142-24148.	1.5	29
62	Normalization factors for magnetic relaxation of small-particle systems in a nonzero magnetic field. Physical Review B, 1997, 55, 8940-8944.	1.1	27
63	Characterisation of cobalt/copper multilayers obtained by electrodeposition. Surface and Coatings Technology, 2002, 153, 261-266.	2.2	27
64	Interface effects in the magneto-optical properties of Co nanoparticles in dielectric matrix. Applied Physics Letters, 2007, 90, 182506.	1.5	27
65	Electronic structure determination of iron(II) phthalocyanine via magnetic susceptibility and MÃ¶ssbauer measurements. Journal of Chemical Physics, 1984, 80, 444-448.	1.2	26
66	Influence of surface anisotropy on the hysteresis of magnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 738-741.	1.0	26
67	Giant heat dissipation at the low-temperature reversible-irreversible transition inGd5Ge4. Physical Review B, 2005, 72, .	1.1	26
68	Synthesis and Characterization of Stabilized Subnanometric Cobalt Metal Particles. Journal of the American Chemical Society, 2005, 127, 18026-18030.	6.6	26
69	Martensitic transition and magnetoresistance in a Cu-Al-Mn shape-memory alloy: Influence of ageing. Physical Review B, 2002, 66, .	1.1	25
70	Coexistence of short-range ferromagnetic and antiferromagnetic correlations in Ge-rich Gd5(SixGe1â^'x)4alloys. Journal Physics D: Applied Physics, 2005, 38, 3343-3347.	1.3	25
71	Tuning exchange bias in Ni/FeF2 heterostructures using antidot arrays. Applied Physics Letters, 2009, 95, .	1.5	25
72	Direct imaging of the magnetic polarity and reversal mechanism in individual Fe_{3â^'x}O₄ nanoparticles. Nanoscale, 2015, 7, 8110-8114.	2.8	25

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73	Aggregation state and magnetic properties of magnetite nanoparticles controlled by an optimized silica coating. Journal of Applied Physics, 2017, 121, .	1.1	24
74	Competing tunneling and capacitive paths inCoâ˜ZrO2granular thin films. Physical Review B, 2003, 67, .	1.1	23
75	Dynamics of the first-order magnetostructural transition in Gd5(Si x Ge1-x)4. European Physical Journal B, 2004, 40, 427-431.	0.6	23
76	Exchange bias and asymmetric hysteresis loops from a microscopic model of core/shell nanoparticles. Journal of Magnetism and Magnetic Materials, 2007, 316, 140-142.	1.0	23
77	Superparamagnetic versus blocked states in aggregates of Fe_{3â˜x}O₄ nanoparticles studied by MFM. Nanoscale, 2015, 7, 17764-17770.	2.8	22
78	Magnetic relaxation of a oneâ€dimensional model for small particle systems with dipolar interaction: Monte Carlo simulation. Journal of Applied Physics, 1996, 80, 5192-5199.	1.1	20
79	Particle growth mechanisms in Agâ€“ZrO2and Auâ€“ZrO2granular films obtained by pulsed laser deposition. Nanotechnology, 2006, 17, 4106-4111.	1.3	20
80	Acoustic emission across the magnetostructural transition of the giant magnetocaloricGd5Si2Ge2. Physical Review B, 2006, 73, .	1.1	20
81	Reduction of iron by decarboxylation in the formation of magnetite nanoparticles. Physical Chemistry Chemical Physics, 2011, 13, 19485.	1.3	20
82	Antiferromagnetic/ferromagnetic nanostructures for multidigit storage units. Applied Physics Letters, 2014, 104, 032401.	1.5	20
83	scaling in small-particle systems: low-temperature behaviour. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 399-400.	1.0	19
84	The nature of magnetic interactions in CoFe-Ag(Cu) granular thin films. Journal Physics D: Applied Physics, 2000, 33, 609-613.	1.3	19
85	Electrochemical behaviour and physical properties of Cu/Co multilayers. Electrochimica Acta, 2003, 48, 1005-1013.	2.6	19
86	Selective Control over the Morphology and the Oxidation State of Iron Oxide Nanoparticles. Langmuir, 2021, 37, 35-45.	1.6	19
87	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.	1.1	19
88	Magnetic properties of Fe/Cu multilayers. Journal of Magnetism and Magnetic Materials, 1991, 93, 425-428.	1.0	18
89	Electron-spin resonance in the spin-glass-like systemFe1â˜xGaxSbO4. Physical Review B, 1991, 44, 4455-4460.	1.1	18
90	Magnetic study of spin freezing in the spin glassBaCo6Ti6O19: Static and dynamic analysis. Physical Review B, 1992, 46, 8994-9001.	1.1	18

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91	Magnetotransport properties of NiFeâ€“Ag granular alloys: Origin of the thermal behavior. Journal of Applied Physics, 1997, 82, 677-687.	1.1	18
92	Magnetic field scaling of relaxation curves in small particle systems. Journal of Applied Physics, 2002, 91, 4409-4417.	1.1	18
93	Macromolecular Polyradicals with Cyclic Triphosphazene as a Core. Spectral and Electrochemical Properties. Journal of Organic Chemistry, 2004, 69, 99-104.	1.7	18
94	Equivalent circuit modeling of the ac response of Pd-ZrO₂granular metal thin films using impedance spectroscopy. Journal Physics D: Applied Physics, 2015, 48, 335306.	1.3	18
95	Glassy behavior in magnetic fine particles. Journal of Magnetism and Magnetic Materials, 2000, 221, 26-31.	1.0	17
96	Size mediated control of the optical and magneto-optical properties of Co nanoparticles in ZrO2. Journal of Applied Physics, 2006, 100, 074320.	1.1	17
97	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.	1.3	17
98	Spin glass transition in iron antimonate: The inducement by cationic ordering of localized magnetic order in a mixed metal oxide with a superlattice. Journal of Solid State Chemistry, 1987, 71, 582-586.	1.4	16
99	The first isolated carbon tetraradical with a pair of triplets. Journal of the American Chemical Society, 1991, 113, 8281-8284.	6.6	16
100	Experimental and Theoretical Characterization of the High-Affinity Cation-Binding Site of the Purple Membrane. Biophysical Journal, 1998, 75, 777-784.	0.2	16
101	Griffiths-like phase and magnetic correlations at high fields in Gd5Ge4. Physical Review B, 2011, 83, .	1.1	15
102	Spin glass transition in BaCo6Ti6O19. Journal of Applied Physics, 1991, 70, 6172-6174.	1.1	14
103	Evidence of domain wall scattering in thin films of granular CoFe-AgCu. European Physical Journal B, 2000, 17, 43-50.	0.6	14
104	From Finite Size and Surface Effects to Glassy Behaviour in Ferrimagnetic Nanoparticles. , 2005, , 105-140.		14
105	Magnetic properties of Ba2SmCu3O9â^'x high Tc superconductor. Solid State Communications, 1987, 64, 707-710.	0.9	13
106	Short-range antiferromagnetic correlations in spin-glass-like iron antimonate of composition FeSbO4. Journal of Physics Condensed Matter, 1990, 2, 6801-6806.	0.7	13
107	Noncritical behavior and remanent magnetization in magnetically frustratedFeSbO4. Physical Review B, 1991, 44, 691-698.	1.1	13
108	Annealing of Electroplated Co-Cu Films to Induce Magnetoresistance. Journal of the Electrochemical Society, 2004, 151, C731.	1.3	13

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109	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.	1.7	12
110	From demagnetizing to magnetizing interactions in CoFeâ€“AgCu granular films. Journal of Applied Physics, 1997, 81, 4593-4595.	1.1	12
111	Magnetic microstructures from magnetic force microscopy and Monte Carlo simulation in CoFe-Ag-Cu granular films. IEEE Transactions on Magnetics, 1998, 34, 912-914.	1.2	12
112	Magnetoelasticity in the Heusler Ni2MnGa alloy. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 637-638.	1.0	12
113	Shape and surface anisotropy effects on the hysteresis of ferrimagnetic nanoparticles. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 685-686.	1.0	12
114	Entropy change at the magnetostructural transition in. Journal of Magnetism and Magnetic Materials, 2006, 301, 378-382.	1.0	12
115	Magnetic studies of Feâ€Y compositionally modulated thin films. Journal of Applied Physics, 1990, 67, 5652-5654.	1.1	11
116	Trichloro-2,6-pyridylene, a Good Ferromagnetic Coupling Unit between Two Persistent Carbon Radical Centers. Journal of Organic Chemistry, 1994, 59, 4107-4113.	1.7	11
117	Monte Carlo simulation of the magnetic ordering in thin films with perpendicular anisotropy. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 819-820.	1.0	11
118	Quantitative x-ray photoelectron spectroscopy study of Al/AlO[sub x] bilayers. Journal of Applied Physics, 2002, 91, 10163.	1.1	11
119	Nucleation phenomenon in nanoparticle self-assemblies. International Journal of Nanotechnology, 2005, 2, 62.	0.1	11
120	SiO₂coating effects in the magnetic anisotropy of Fe_{3â^'x}O₄nanoparticles suitable for bio-applications. Nanotechnology, 2013, 24, 155705.	1.3	11
121	Nanoparticles with tunable shape and composition fabricated by nanoimprint lithography. Nanotechnology, 2015, 26, 445302.	1.3	11
122	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.	1.5	11
123	Quenching of ferrimagneticlike ordering in SrCr8Fe4O19hexagonal ferrite. Journal of Applied Physics, 1988, 63, 4091-4093.	1.1	10
124	Magnetic behavior of theBaFe4â^'2xSn2+xCoxO11system: From cluster glass tokagomeÂ´ phase. Physical Review B, 1993, 48, 16440-16448.	1.1	10
125	Magnetic history dependence of metastable states in thin films with dipolar interactions. Journal of Magnetism and Magnetic Materials, 2000, 221, 149-157.	1.0	10
126	Magnetic properties of dense graphitic filaments formed via thermal decomposition of mesitylene in an applied electric field. Carbon, 2006, 44, 2864-2867.	5.4	10

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127	Magnetic properties of dense carbon nanospheres prepared by chemical vapor deposition. Chemical Physics Letters, 2007, 447, 295-299.	1.2	10
128	Modification of magnetic properties of polyethyleneterephthalate by iron ion implantation. Nuclear Instruments & Methods in Physics Research B, 2007, 257, 589-592.	0.6	10
129	Manipulation of competing ferromagnetic and antiferromagnetic domains in exchange-biased nanostructures. Physical Review B, 2015, 92, .	1.1	10
130	Inducing glassy magnetism in Co-ferrite nanoparticles through crystalline nanostructure. Journal of Materials Chemistry C, 2015, 3, 4522-4529.	2.7	10
131	Meissner effect and critical fields in an inhomogeneousBa2HoCu3O7âˆ’xhigh-Tcsuperconductor. Physical Review B, 1988, 38, 2455-2459.	1.1	9
132	Spectroscopic and thermogravimetric studies of Co(II)-nucleotides complexes. Journal of Inorganic Biochemistry, 1990, 39, 173-186.	1.5	9
133	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 Magnetic	1.0	9
134	Reply to â€œComment on â€˜Nature and entropy content of the ordering transitions inRCo2â€™ â€•. Physical Review B, 2007, 75, .	1.1	9
135	Magnetic properties of Co nanoparticles in zirconia matrix. Journal of Magnetism and Magnetic Materials, 2007, 316, 103-105.	1.0	9
136	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, .	1.1	9
137	Magnetic properties of amorphous Feâ€“Si compositionally modulated thin films. Journal of Applied Physics, 1988, 63, 3206-3208.	1.1	8
138	Monte Carlo study of a kinetic lattice model with random diffusion of disorder. Physical Review E, 1994, 49, 2041-2048.	0.8	8
139	Two spin-containing fragments connected by a two-electron one-center heteroatom Ï€ spacer. A new open-shell organic molecule witha singlet ground state. Journal of Materials Chemistry, 1998, 8, 1165-1172.	6.7	8
140	Effects of the magnetic field on the relaxation of small particle systems. Computational Materials Science, 2002, 25, 577-583.	1.4	8
141	Electrical properties in granular Co-ZrO<SUB align=right>2 thin films. International Journal of Nanotechnology, 2005, 2, 43.	0.1	8
142	Nanostructural origin of the ac conductance in dielectric granular metals: The case study of Co20(ZrO2)80. Applied Physics Letters, 2007, 91, .	1.5	8
143	Metallic Nanoparticles Embedded in a Dielectric Matrix: Growth Mechanisms and Percolation. Journal of Nanomaterials, 2008, 2008, 1-5.	1.5	8
144	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, .	1.1	8

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145	Probing the variability in oxidation states of magnetite nanoparticles by single-particle spectroscopy. Journal of Materials Chemistry C, 2018, 6, 875-882.	2.7	8
146	A study of vanadium antimonate by antimony-121 mÃ¶ssbauer spectroscopy and magnetic susceptibility. Inorganica Chimica Acta, 1985, 105, 197-199.	1.2	7
147	Inert carbon free radicals. 13. New free radicals of PTM (perchlorotriphenylmethyl) series with meta functionalization. Tetrahedron, 1995, 51, 7301-7312.	1.0	7
148	The effect of magnetic interaction in barium hexaferrite particles. Journal of Applied Physics, 1997, 81, 3812-3814.	1.1	7
149	Texture, strain and alloying in sputtered granular magnetic films. Acta Materialia, 1999, 47, 1661-1670.	3.8	7
150	Domain structures and training effects in granular thin films. Journal of Magnetism and Magnetic Materials, 2000, 221, 45-56.	1.0	7
151	CoFe-based granular alloys: the role of the metallic matrix. Journal of Magnetism and Magnetic Materials, 2000, 210, 295-301.	1.0	7
152	The fabrication of ordered arrays of exchange biased Ni/FeF₂nanostructures. Nanotechnology, 2010, 21, 175301.	1.3	7
153	An investigation of the spin glass behaviour in iron antimonate by iron-57 and antimony-121 MÃ¶ssbauer spectroscopy. Hyperfine Interactions, 1988, 41, 463-466.	0.2	6
154	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.	1.4	6
155	Giant magnetoresistance in NiFeâ€Ag granular alloys. Journal of Applied Physics, 1994, 76, 6481-6483.	1.1	6
156	Magnetic relaxation and superparamagnetism in nanocrystalline ferrites. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 191-192.	1.0	6
157	Tâ‹…ln(t/Ï„0) scaling approach and fluctuation field analysis in interacting particulate systems. Journal of Applied Physics, 1997, 81, 7427-7431.	1.1	6
158	Monte Carlo study of the finite-size effects on the magnetization of maghemite small particles. Journal of Applied Physics, 2001, 89, 7597-7599.	1.1	6
159	Geometric frustration in ordered lattices of plasmonic nanoelements. Scientific Reports, 2019, 9, 3529.	1.6	6
160	Mï¿½ssbauer studies on one-dimensional iron phthalocyanines. Transition Metal Chemistry, 1983, 8, 377-380.	0.7	5
161	Diamagnetism and electrical connectivity in an inhomogeneous Ba2YCu3O7â^'x superconductor. Physica C: Superconductivity and Its Applications, 1988, 153-155, 389-390.	0.6	5
162	Critical and finite-size-scaling behaviours of short-range order parameters. Journal of Physics Condensed Matter, 1989, 1, 8147-8154.	0.7	5

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163	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.	3.2	5
164	Monte Carlo simulation of magnetic relaxation in small-particle: Systems with dipolar interactions. Journal of Magnetism and Magnetic Materials, 1996, 157-158, 351-352.	1.0	5
165	Magnetocaloric and shape-memory effects in Ni-Mn-Ga ferro-magnetic alloys. European Physical Journal Special Topics, 2004, 115, 105-110.	0.2	5
166	Influence of surface anisotropy on the magnetization reversal of nanoparticles. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 3481-3484.	0.8	5
167	Mirror symmetry in magnetization reversal and coexistence of positive and negative exchange bias in Ni/FeF2. Applied Physics Letters, 2011, 98, 152507.	1.5	5
168	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.	1.3	5
169	Driving magnetic domains at the nanoscale by interfacial strain-induced proximity. Nanoscale, 2021, 13, 4985-4994.	2.8	5
170	A new interpretation of the magnetic properties and electronic structure of manganese (II) phthalocyanine. European Physical Journal B, 1985, 58, 299-304.	0.6	4
171	Spin glass behavior of FeSbO<inf>4</inf>studied by MÃ¶ssbauer spectroscopy and magnetometry. IEEE Transactions on Magnetics, 1987, 23, 2311-2313.	1.2	4
172	Structural, electrical and magnetic properties of Ba2ReCu3-xFexO7âˆ’Î´ (Re=Y,Ho) high Tc superconductors. Physica C: Superconductivity and Its Applications, 1988, 153-155, 888-889.	0.6	4
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