

# Manuel Ricardo Ibarra

## List of Publications by Year in descending order

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471  
papers

19,871  
citations

11608

70  
h-index

17055

122  
g-index

481  
all docs

481  
docs citations

481  
times ranked

17810  
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic nanoparticles for drug delivery. <i>Nano Today</i> , 2007, 2, 22-32.	6.2	1,347
2	Evidence for magnetic polarons in the magnetoresistive perovskites. <i>Nature</i> , 1997, 386, 256-259.	13.7	937
3	Double perovskites with ferromagnetism above room temperature. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 023201.	0.7	370
4	Magnetic-field-induced structural phase transition in $\text{Gd}_5(\text{Si}_{1.8}\text{Ge}_{2.2})$ . <i>Physical Review B</i> , 1998, 58, R14721-R14724.	1.1	344
5	Nanoparticle penetration and transport in living pumpkin plants: in situ subcellular identification. <i>BMC Plant Biology</i> , 2009, 9, 45.	1.6	331
6	Influence of oxygen content on the structural, magnetotransport, and magnetic properties of $\text{LaMnO}_{3+\delta}$ . <i>Physical Review B</i> , 1997, 56, 8902-8911.	1.1	328
7	Nanoparticles as Smart Treatment-delivery Systems in Plants: Assessment of Different Techniques of Microscopy for their Visualization in Plant Tissues. <i>Annals of Botany</i> , 2008, 101, 187-195.	1.4	303
8	Large Magnetovolume Effect in Yttrium Doped La-Ca-Mn-O Perovskite. <i>Physical Review Letters</i> , 1995, 75, 3541-3544.	2.9	299
9	Spontaneous behavior and magnetic field and pressure effects on $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ perovskite. <i>Physical Review B</i> , 1996, 54, 1187-1193.	1.1	266
10	Magnetic Nanoparticles for Cancer Therapy. <i>Current Nanoscience</i> , 2008, 4, 1-16.	0.7	262
11	Spin-Glass Insulator State in $(\text{Tb-La})_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ Perovskite. <i>Physical Review Letters</i> , 1996, 76, 3392-3395.	2.9	259
12	Large magnetoresistance in $\text{Fe}/\text{MgO}/\text{FeCo}(001)$ epitaxial tunnel junctions on $\text{GaAs}(001)$ . <i>Applied Physics Letters</i> , 2001, 79, 1655-1657.	1.5	229
13	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites $\text{La}_{2/3}\text{Ca}_{1/3}\text{Mn}_{1-x}\text{Al}_x\text{O}_3$ . <i>Physical Review B</i> , 1997, 55, 8905-8910.	1.1	228
14	Development of Magnetic Nanostructured Silica-Based Materials as Potential Vectors for Drug-Delivery Applications. <i>Chemistry of Materials</i> , 2006, 18, 1911-1919.	3.2	226
15	Nature of the first-order antiferromagnetic-ferromagnetic transition in the Ge-rich magnetocaloric compounds $\text{Gd}_5(\text{SixGe}_{1-x})_4$ . <i>Physical Review B</i> , 2000, 62, 1022-1026.	1.1	225
16	Design of Multifunctional Gold Nanoparticles for <i>In Vitro</i> and <i>In Vivo</i> Gene Silencing. <i>ACS Nano</i> , 2012, 6, 8316-8324.	7.3	223
17	The effect of surface charge of functionalized $\text{Fe}_3\text{O}_4$ nanoparticles on protein adsorption and cell uptake. <i>Biomaterials</i> , 2014, 35, 6389-6399.	5.7	220
18	Magnetic and magnetotransport properties of the ordered perovskite $\text{Sr}_2\text{FeMoO}_6$ . <i>Solid State Communications</i> , 1999, 110, 435-438.	0.9	195

#	ARTICLE	IF	CITATIONS
19	Structural and magnetic properties of double perovskites $AA'FeMoO_6$ ( $AA' = Ba_2, BaSr, Sr_2$ and $Ca_2$ ). <i>Journal of Physics Condensed Matter</i> , 2000, 12, 8295-8308.	0.7	195
20	Observation of a Griffiths-like Phase in the Magnetocaloric Compound $Tb_5Si_2Ge_2$ . <i>Physical Review Letters</i> , 2006, 96, 167201.	2.9	191
21	Giant volume magnetostriction in the FeRh alloy. <i>Physical Review B</i> , 1994, 50, 4196-4199.	1.1	177
22	Giant magnetoresistance near the magnetostructural transition in $Gd_5(Si_{1.8}Ge_{2.2})$ . <i>Applied Physics Letters</i> , 1998, 73, 3462-3464.	1.5	177
23	Structural and magnetic study of $Tb_{1-x}Ca_xMnO_3$ perovskites. <i>Physical Review B</i> , 2000, 62, 5609-5618.	1.1	168
24	Assessing Methods for Blood Cell Cytotoxic Responses to Inorganic Nanoparticles and Nanoparticle Aggregates. <i>Small</i> , 2008, 4, 2025-2034.	5.2	166
25	Observation of the spin Seebeck effect in epitaxial $Fe_3O_4$ thin films. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	163
26	Absorption and translocation to the aerial part of magnetic carbon-coated nanoparticles through the root of different crop plants. <i>Journal of Nanobiotechnology</i> , 2010, 8, 26.	4.2	159
27	Three dimensional magnetic nanowires grown by focused electron-beam induced deposition. <i>Scientific Reports</i> , 2013, 3, 1492.	1.6	148
28	Designing Novel Hybrid Materials by One-Pot Co-condensation: From Hydrophobic Mesoporous Silica Nanoparticles to Superamphiphobic Cotton Textiles. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2289-2299.	4.0	147
29	Magnetotransport properties of high-quality cobalt nanowires grown by focused-electron-beam-induced deposition. <i>Journal Physics D: Applied Physics</i> , 2009, 42, 055005.	1.3	145
30	Magnetic nanoparticles for power absorption: Optimizing size, shape and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2009, 182, 2779-2784.	1.4	141
31	In Vivo tumor targeting via nanoparticle-mediated therapeutic siRNA coupled to inflammatory response in lung cancer mouse models. <i>Biomaterials</i> , 2013, 34, 7744-7753.	5.7	136
32	Pressure Enhancement of the Giant Magnetocaloric Effect in $Tb_5Si_2Ge_2$ . <i>Physical Review Letters</i> , 2004, 93, 137201.	2.9	130
33	Review of magnetic nanostructures grown by focused electron beam induced deposition (FEBID). <i>Journal Physics D: Applied Physics</i> , 2016, 49, 243003.	1.3	124
34	Direct evidence of phase segregation and magnetic-field-induced structural transition in $Nd_{0.5}Sr_{0.5}MnO_3$ by neutron diffraction. <i>Physical Review B</i> , 2000, 61, R9229-R9232.	1.1	122
35	Direct observation of melting in a two-dimensional superconducting vortex lattice. <i>Nature Physics</i> , 2009, 5, 651-655.	6.5	115
36	Controlled Cell Death by Magnetic Hyperthermia: Effects of Exposure Time, Field Amplitude, and Nanoparticle Concentration. <i>Pharmaceutical Research</i> , 2012, 29, 1319-1327.	1.7	115

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37	Sustained release of doxorubicin from zeolite@magnetite nanocomposites prepared by mechanical activation. <i>Nanotechnology</i> , 2006, 17, 4057-4064.	1.3	114
38	Pressure-Induced Three-Dimensional Ferromagnetic Correlations in the Giant Magnetocaloric Compound $Gd_5Ge_4$ . <i>Physical Review Letters</i> , 2003, 91, 207202.	2.9	108
39	Ultrasmall Functional Ferromagnetic Nanostructures Grown by Focused Electron-Beam-Induced Deposition. <i>ACS Nano</i> , 2011, 5, 7781-7787.	7.3	105
40	Magnetic hyperthermia enhances cell toxicity with respect to exogenous heating. <i>Biomaterials</i> , 2017, 114, 62-70.	5.7	102
41	Anomalous Nernst effect of $FeO_3$ . <i>Physical Review B</i> , 2014, 90, .	1.1	100
42	Giant room-temperature magnetoresistance in the FeRh alloy. <i>Applied Physics Letters</i> , 1995, 66, 3061-3063.	1.5	99
43	Composition and temperature dependence of the magnetocrystalline anisotropy in $Ni_{2+x}Mn_{1+y}Ga_{1+z}$ Heusler alloys. <i>Applied Physics Letters</i> , 2002, 81, 4032-4034.	1.5	96
44	A systematic study of structural, magnetic and electrical properties of perovskites. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 7427-7442.	0.7	94
45	Magnetic and structural phase diagram of $Tb_5(SixGe_{1-x})_4$ . <i>Physical Review B</i> , 2002, 65, .	1.1	94
46	Large low-field magnetoresistance and TC in polycrystalline $(Ba_{0.8}Sr_{0.2})_{2-x}La_xFeMoO_6$ double perovskites. <i>Applied Physics Letters</i> , 2002, 80, 4573-4575.	1.5	94
47	Impact of cation size on magnetic properties of $(AA\epsilon^2)2FeReO_6$ double perovskites. <i>Physical Review B</i> , 2004, 69, .	1.1	90
48	Magnetic field-induced dissipation-free state in superconducting nanostructures. <i>Nature Communications</i> , 2013, 4, 1437.	5.8	90
49	Huge anisotropic magnetostriction in $La_{1-x}Sr_xCoO_3$ ( $x \sim 0.3$ ): Field-induced orbital instability. <i>Physical Review B</i> , 1998, 57, R3217-R3220.	1.1	89
50	Magnetic Hyperthermia With $Fe_3O_4$ Nanoparticles: The Influence of Particle Size on Energy Absorption. <i>IEEE Transactions on Magnetics</i> , 2008, 44, 4444-4447.	1.2	89
51	Incommensurate modulated structure of the ferromagnetic shape-memory $Ni_2MnGa$ martensite. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3525-3533.	1.4	88
52	Magnetic nanoparticles for local drug delivery using magnetic implants. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 311, 318-322.	1.0	88
53	Origin of inverse Rashba-Edelstein effect detected at the Cu/Bi interface using lateral spin valves. <i>Physical Review B</i> , 2016, 93, .	1.1	87
54	Magnetic versus orbital polarons in colossal magnetoresistance manganites. <i>Physical Review B</i> , 2002, 65, .	1.1	86

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55	The orientation of the neuronal growth process can be directed via magnetic nanoparticles under an applied magnetic field. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 1549-1558.	1.7	84
56	Highly magnetic silica-coated iron nanoparticles prepared by the arc-discharge method. <i>Nanotechnology</i> , 2006, 17, 1188-1192.	1.3	83
57	Origin of the Difference in the Resistivity of As-Grown Focused-Ion- and Focused-Electron-Beam-Induced Pt Nanodeposits. <i>Journal of Nanomaterials</i> , 2009, 2009, 1-11.	1.5	83
58	Influence of magnetization on the reordering of nanostructured ball-milled Fe-40 at. % Al powders. <i>Physical Review B</i> , 1998, 58, R11864-R11867.	1.1	82
59	Magnetoelastic behaviour of Gd <sub>5</sub> Ge <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2389-2397.	0.7	80
60	Designing novel nano-immunoassays: antibody orientation versus sensitivity. <i>Journal Physics D: Applied Physics</i> , 2010, 43, 474012.	1.3	79
61	The relevance of Brownian relaxation as power absorption mechanism in Magnetic Hyperthermia. <i>Scientific Reports</i> , 2019, 9, 3992.	1.6	79
62	Magnetoelastic effects and magnetic anisotropy in Ni <sub>2</sub> MnGa polycrystals. <i>Journal of Applied Physics</i> , 2001, 89, 5614-5617.	1.1	78
63	Magnetic-martensitic transition of Tb <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> studied with neutron powder diffraction. <i>Physical Review B</i> , 2003, 68, .	1.1	78
64	Oxygen isotope effects in (La <sub>0.5</sub> Nd <sub>0.5</sub> ) <sub>2</sub> /3Ca <sub>1</sub> /3MnO <sub>3</sub> : Relevance of the electron-phonon interaction to the phase segregation. <i>Physical Review B</i> , 1998, 57, 7446-7449.	1.1	77
65	Structural Instability of the Charge Ordered Compound Nd <sub>0.5</sub> Sr <sub>0.5</sub> MnO <sub>3</sub> under a Magnetic Field. <i>Physical Review Letters</i> , 1999, 82, 2191-2194.	2.9	76
66	Charge localization, magnetic order, structural behavior, and spin dynamics of (La <sup>3+</sup> Tb <sup>3+</sup> ) <sub>2</sub> /3Ca <sub>1</sub> /3MnO <sub>3</sub> manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , 1997, 56, 3317-3324.	1.1	75
67	GMR sensors and magnetic nanoparticles for immuno-chromatographic assays. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3495-3498.	1.0	75
68	Anomalous Hall effect in Fe (001) epitaxial thin films over a wide range in conductivity. <i>Physical Review B</i> , 2009, 79, .	1.1	74
69	Magnetocaloric effect in Tb <sub>5</sub> (SixGe <sup>1-x</sup> ) <sub>4</sub> . <i>Applied Physics Letters</i> , 2001, 79, 1318-1320.	1.5	73
70	Structure and magnetic properties of RNi <sub>2</sub> Mn compounds (R=Tb, Dy, Ho, and Er). <i>Physical Review B</i> , 2006, 73, .	1.1	73
71	Cell death induced by AC magnetic fields and magnetic nanoparticles: Current state and perspectives. <i>International Journal of Hyperthermia</i> , 2013, 29, 810-818.	1.1	73
72	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. <i>Physical Review B</i> , 2015, 92, .	1.1	73

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73	Quantum Dot and Superparamagnetic Nanoparticle Interaction with Pathogenic Fungi: Internalization and Toxicity Profile. ACS Applied Materials & Interfaces, 2014, 6, 9100-9110.	4.0	71
74	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
75	Intergrain magnetoresistance up to 50 T in the half-metallic(Ba <sub>0.8</sub> Sr <sub>0.2</sub> ) <sub>2</sub> FeMoO <sub>6</sub> double perovskite: Spin-glass behavior of the grain boundary. Physical Review B, 2005, 71, .	1.1	70
76	Antiferromagnetic spin flop and exchange bias. Physical Review B, 2000, 61, R6455-R6458.	1.1	69
77	Enhancement of long-range correlations in a 2D vortex lattice by an incommensurate 1D disorder potential. Nature Physics, 2014, 10, 851-856.	6.5	69
78	High-purity cobalt nanostructures grown by focused-electron-beam-induced deposition at low current. Microelectronic Engineering, 2010, 87, 1550-1553.	1.1	67
79	Cell death induced by the application of alternating magnetic fields to nanoparticle-loaded dendritic cells. Nanotechnology, 2011, 22, 205101.	1.3	67
80	Nanoscale superconducting properties of amorphous W-based deposits grown with a focused-ion-beam. New Journal of Physics, 2008, 10, 093005.	1.2	66
81	Lattice effects, stability under a high magnetic field, and magnetotransport properties of the charge-ordered mixed-valenceLa <sub>0.35</sub> Ca <sub>0.65</sub> MnO <sub>3</sub> perovskite. Physical Review B, 1997, 56, 8252-8256.	1.1	65
82	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. Spin, 2017, 07, 1740010.	0.6	65
83	Hydrostatic pressure control of the magnetostructural phase transition inGd <sub>5</sub> Si <sub>2</sub> Ge <sub>2</sub> single crystals. Physical Review B, 2005, 72, .	1.1	63
84	Domain wall conduit behavior in cobalt nanowires grown by focused electron beam induced deposition. Applied Physics Letters, 2009, 94, 192509.	1.5	63
85	Distinguishing magnetic and electrostatic interactions by a Kelvin probe force microscopy magnetic force microscopy combination. Beilstein Journal of Nanotechnology, 2011, 2, 552-560.	1.5	62
86	Magnetization reversal in individual cobalt micro- and nanowires grown by focused-electron-beam-induced-deposition. Nanotechnology, 2009, 20, 475704.	1.3	60
87	Structural and magnetic characterization of the new ternary phase Tb <sub>3</sub> (Fe <sub>1-x</sub> Ti <sub>x</sub> ) <sub>29</sub> . Journal of Physics Condensed Matter, 1994, 6, L717-L723.	0.7	59
88	Universal scaling of the anomalous Hall effect in $Fe_{1-x}O_x$ epitaxial thin films. Physical Review B, 2008, 77, .	1.7	57
89	Metal-insulator transition in Pt-C nanowires grown by focused-ion-beam-induced deposition. Physical Review B, 2009, 79, .	1.1	57
90	Poly-Lysine-coated magnetic nanoparticles as intracellular actuators for neural guidance. International Journal of Nanomedicine, 2012, 7, 3155.	3.3	57

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91	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
92	Structural, magnetic and transport properties of $\text{Sr}_2\text{Fe}_{1-x}\text{Cr}_x\text{MoO}_6$ . Solid State Sciences, 2002, 4, 651-660.	1.5	55
93	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. Physical Review B, 2003, 67, .	1.1	55
94	Investigation of the high Curie temperature in $\text{Sr}_2\text{CrReO}_6$ . Physical Review B, 2005, 71, .	1.1	54
95	Nature of antiferromagnetic order in epitaxially strained multiferroic $\text{SrMnO}_3$ films. Physical Review B, 2015, 92, .	1.1	54
96	Tailored design of $\text{Co}_x\text{Mn}_{1-x}\text{Fe}_2\text{O}_4$ nanoferrites: a new route for dual control of size and magnetic properties. Journal of Materials Chemistry C, 2014, 2, 5818-5828.	2.7	52
97	Pressure effect on yttrium doped $\text{La}_{0.60}\text{Y}_{0.07}\text{Ca}_{0.33}\text{MnO}_3$ compound. Applied Physics Letters, 1995, 67, 2875-2877.	1.5	51
98	Giant magnetoresistance in the Ge-rich magnetocaloric compound, $\text{Gd}_5(\text{Si}_{0.1}\text{Ge}_{0.9})_4$ . Journal of Magnetism and Magnetic Materials, 2001, 237, 119-123.	1.0	51
99	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
100	Investigation of the influence on graphene by using electron-beam and photo-lithography. Solid State Communications, 2011, 151, 1574-1578.	0.9	49
101	Controlling the dominant magnetic relaxation mechanisms for magnetic hyperthermia in bimagnetic core-shell nanoparticles. Nanoscale, 2019, 11, 3164-3172.	2.8	49
102	Nanoscale chemical and structural study of Co-based FEBID structures by STEM-EELS and HRTEM. Nanoscale Research Letters, 2011, 6, 592.	3.1	48
103	Validity of the Arrhenius model for highly anisotropic $\text{Co}_x\text{Fe}_{3-x}\text{O}_4$ nanoparticles. Journal of Applied Physics, 2015, 118, .	1.1	48
104	Preparation and <i>in vivo</i> evaluation of multifunctional $^{90}\text{Y}$ -labeled magnetic nanoparticles designed for cancer therapy. Journal of Biomedical Materials Research - Part A, 2015, 103, 126-134.	2.1	48
105	Cell damage produced by magnetic fluid hyperthermia on microglial BV2 cells. Scientific Reports, 2017, 7, 8627.	1.6	48
106	Hysteresis loops of individual Co nanostripes measured by magnetic force microscopy. Nanoscale Research Letters, 2011, 6, 407.	3.1	47
107	$\text{Fe}_3\text{O}_4$ grown by focused-electron-beam-induced deposition: magnetic and electric properties. Nanotechnology, 2011, 22, 025302.	1.3	47
108	Antibody-Functionalized Hybrid Superparamagnetic Nanoparticles. Advanced Functional Materials, 2007, 17, 1473-1479.	7.8	46





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127	Pressure effects in the giant magnetocaloric compounds $Gd_5(SixGe_{1-x})_4$ . Journal of Physics Condensed Matter, 2004, 16, 1623-1630.	0.7	40
128	Neuronal cells loaded with PEI-coated $Fe_3O_4$ nanoparticles for magnetically guided nerve regeneration. Journal of Materials Chemistry B, 2013, 1, 3607.	2.9	38
129	Effect of Mn substitution on the volume and magnetic properties of $Er_2Fe_{17}$ . Journal of Applied Physics, 2002, 92, 1453-1457.	1.1	37
130	Simple Sonochemical Method to Optimize the Heating Efficiency of Magnetic Nanoparticles for Magnetic Fluid Hyperthermia. ACS Omega, 2020, 5, 26357-26364.	1.6	37
131	Relaxation time diagram for identifying heat generation mechanisms in magnetic fluid hyperthermia. Journal of Nanoparticle Research, 2014, 16, 1.	0.8	36
132	Enhancement of the spin Peltier effect in multilayers. Physical Review B, 2017, 95, .	1.1	36
133	First-order valence phase transition in $CeNi_{1-x}Co_xSn$ alloys. Physical Review B, 1995, 52, 12790-12797.	1.1	35
134	Charge ordering at room temperature in. Journal of Physics Condensed Matter, 1997, 9, 10321-10331.	0.7	35
135	Study of the crystal electric field interaction in single crystals. Journal of Physics Condensed Matter, 1998, 10, 349-361.	0.7	35
136	Observation of the Strain Induced Magnetic Phase Segregation in Manganite Thin Films. Nano Letters, 2015, 15, 492-497.	4.5	35
137	Structural instability in RCu intermetallic compounds. Journal of the Less Common Metals, 1989, 153, 233-243.	0.9	34
138	Analysis of the intrinsic magnetic properties of $R_2Fe_{17}$ single crystals ( $R=Y, nDy, nHo, nEr$ ). Physical Review B, 1997, 55, 8313-8323.	1.1	34
139	Grain-boundary magnetoresistance up to 42 T in cold-pressed $Fe_3O_4$ nanopowders. Journal of Applied Physics, 2005, 97, 084317.	1.1	34
140	High-field magnetization measurements in $Sr_2CrReO_6$ double perovskite: Evidence for orbital contribution to the magnetization. Europhysics Letters, 2007, 78, 17006.	0.7	34
141	Anisotropy and magnetic ordering in the new phase $Nd_3(FeTi)_9$ . Journal of Physics Condensed Matter, 1994, 6, L379-L384.	0.7	33
142	Increase of Curie temperature in fixed ionic radius $Ba_{1-x}Sr_{1-3x}La_{2x}FeMoO_6$ double perovskites. European Physical Journal B, 2004, 39, 35-40.	0.6	33
143	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. Applied Physics Letters, 2007, 90, 252514.	1.5	33
144	Single-ion competing magnetic anisotropies in $PrxNd_{1-x}Co_5$ intermetallic compounds. Physical Review B, 1991, 44, 9368-9377.	1.1	32

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145	Magnetic phase transitions in $R_{2/3}Fe_{1/3}$ compounds under pressure. IEEE Transactions on Magnetism, 1994, 30, 619-621.	1.2	32
146	NMR study of double perovskite $Sr_2FeMoO_6$ . Journal of Magnetism and Magnetic Materials, 2002, 242-245, 701-703.	1.0	32
147	Magnetotransport properties of $Fe_3O_4$ thin films for applications in spin electronics. Microelectronic Engineering, 2007, 84, 1660-1664.	1.1	32
148	Giant planar Hall effect in epitaxial $Fe_3$ films and its temperature dependence. Physical Review B, 2008, 78, .	1.1	32
149	Spatially-Resolved EELS Analysis of Antibody Distribution on Biofunctionalized Magnetic Nanoparticles. ACS Nano, 2013, 7, 4006-4013.	7.3	32
150	Interface-induced anomalous Nernst effect in $Fe_3O_4$ /Pt-based heterostructures. Applied Physics Letters, 2019, 114, .	1.5	32
151	Weak-antilocalization signatures in the magnetotransport properties of individual electrodeposited Bi Nanowires. Applied Physics Letters, 2010, 96, .	1.5	31
152	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, 4524-4531.	1.0	31
153	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. Physical Review B, 2002, 65, .	1.1	30
154	High-coercivity ultralight transparent magnets. Applied Physics Letters, 2003, 82, 4307-4309.	1.5	30
155	Magnetic properties of $Fe/MgO$ granular multilayers prepared by pulsed laser deposition. Journal of Applied Physics, 2009, 105, 063909.	1.1	30
156	Magnetoelastic and pressure effects at the antiferro-ferromagnetic transition in $Hf_{1-x}Ta_xFe_2$ alloys. Journal of Applied Physics, 1996, 80, 6911-6914.	1.1	29
157	Magnetic structures and magnetic phase diagram of $Nd_{1-x}Mn_2Ge_2$ . Physical Review B, 1997, 55, 12363-12374.	1.1	29
158	Colossal magnetoresistance in manganese oxide perovskites. Journal of Magnetism and Magnetic Materials, 1998, 177-181, 846-849.	1.0	29
159	Magnetostriction and thermal expansion of $RE_2Fe_{14}B$ . Journal of Applied Physics, 1987, 61, 3451-3453.	1.1	28
160	Study of Structural, Magnetic, and Electrical Properties of $La_{2/3}Ca_{1/3}Mn_{1-x}In_xO_3$ Perovskites. Journal of Solid State Chemistry, 1998, 138, 226-231.	1.4	28
161	Structural and magnetic details of 3d-element doped $Sr_2Fe_{0.75}Ti_{0.25}MoO_6$ . Solid State Sciences, 2004, 6, 419-431.	1.5	28
162	Magnetic anomalies of thermal expansion in (rare-earth) $Ni_2$ intermetallic compounds. Journal of Physics and Chemistry of Solids, 1984, 45, 789-795.	1.9	27

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163	Effect of pressure on the magnetocrystalline anisotropy of $(\text{Er}_{1-x}\text{R}_x)_2\text{Fe}_{14}\text{B}$ intermetallics. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 9721-9734.	0.7	27
164	Crossover from charge-localized state to charge-ordered state in $\text{Pr}_{23}\text{Ca}_{13}\text{MnO}_3$ . <i>Physical Review B</i> , 1996, 54, R12689-R12692.	1.1	27
165	Hall effect in $\text{Gd}_5(\text{Si}_{1.8}\text{Ge}_{2.2})$ . <i>Physical Review B</i> , 2000, 61, 12651-12653.	1.1	27
166	Direct Observation of Stress Accumulation and Relaxation in Small Bundles of Superconducting Vortices in Tungsten Thin Films. <i>Physical Review Letters</i> , 2011, 106, 077001.	2.9	27
167	Development and evaluation of 90Y-labeled albumin microspheres loaded with magnetite nanoparticles for possible applications in cancer therapy. <i>Journal of Materials Chemistry</i> , 2012, 22, 24017.	6.7	27
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