

Pedro A Algarabel

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Evidence for magnetic polarons in the magnetoresistive perovskites. <i>Nature</i> , 1997, 386, 256-259.	27.8	937
2	Magnetic-field-induced structural phase transition in $Gd_5(Si_{1.8}Ge_{2.2})$. <i>Physical Review B</i> , 1998, 58, R14721-R14724.	3.2	344
3	Influence of oxygen content on the structural, magnetotransport, and magnetic properties of $LaMnO_{3+\delta}$. <i>Physical Review B</i> , 1997, 56, 8902-8911.	3.2	328
4	Large Magnetovolume Effect in Yttrium Doped La-Ca-Mn-O Perovskite. <i>Physical Review Letters</i> , 1995, 75, 3541-3544.	7.8	299
5	Spontaneous behavior and magnetic field and pressure effects on $La_{2/3}Ca_{1/3}MnO_3$ perovskite. <i>Physical Review B</i> , 1996, 54, 1187-1193.	3.2	266
6	Spin-Glass Insulator State in $(Tb-La)_{2/3}Ca_{1/3}MnO_3$ Perovskite. <i>Physical Review Letters</i> , 1996, 76, 3392-3395.	7.8	259
7	Structural, magnetic, and transport properties of the giant magnetoresistive perovskites $La_{2/3}Ca_{1/3}Mn_{1-x}Al_xO_3$. <i>Physical Review B</i> , 1997, 55, 8905-8910.	3.2	228
8	Nature of the first-order antiferromagnetic-ferromagnetic transition in the Ge-rich magnetocaloric compounds $Gd_5(SixGe_{1-x})_4$. <i>Physical Review B</i> , 2000, 62, 1022-1026.	3.2	225
9	Magnetic and magnetotransport properties of the ordered perovskite Sr_2FeMoO_6 . <i>Solid State Communications</i> , 1999, 110, 435-438.	1.9	195
10	Observation of a Griffiths-like Phase in the Magnetocaloric Compound $Tb_5Si_2Ge_2$. <i>Physical Review Letters</i> , 2006, 96, 167201.	7.8	191
11	Giant volume magnetostriction in the FeRh alloy. <i>Physical Review B</i> , 1994, 50, 4196-4199.	3.2	177
12	Giant magnetoresistance near the magnetostructural transition in $Gd_5(Si_{1.8}Ge_{2.2})$. <i>Applied Physics Letters</i> , 1998, 73, 3462-3464.	3.3	177
13	Observation of the spin Seebeck effect in epitaxial Fe_3O_4 thin films. <i>Applied Physics Letters</i> , 2013, 102, .	3.3	163
14	Strain-induced coupling of electrical polarization and structural defects in $SrMnO_3$ films. <i>Nature Nanotechnology</i> , 2015, 10, 661-665.	31.5	153
15	Pressure Enhancement of the Giant Magnetocaloric Effect in $Tb_5Si_2Ge_2$. <i>Physical Review Letters</i> , 2004, 93, 137201.	7.8	130
16	Pressure-Induced Three-Dimensional Ferromagnetic Correlations in the Giant Magnetocaloric Compound Gd_5Ge_4 . <i>Physical Review Letters</i> , 2003, 91, 207202.	7.8	108
17	Anomalous Nernst effect of Fe_3O_4 single crystal. <i>Physical Review B</i> , 2014, 90, .	3.2	100
18	Giant room-temperature magnetoresistance in the FeRh alloy. <i>Applied Physics Letters</i> , 1995, 66, 3061-3063.	3.3	99

#	ARTICLE	IF	CITATIONS
19	Composition and temperature dependence of the magnetocrystalline anisotropy in $\text{Ni}_{2+x}\text{Mn}_{1+y}\text{Ga}_{1+z}\text{Heusler}$ alloys. <i>Applied Physics Letters</i> , 2002, 81, 4032-4034.	3.3	96
20	A systematic study of structural, magnetic and electrical properties of perovskites. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 7427-7442.	1.8	94
21	Magnetic and structural phase diagram of $\text{Tb}_5(\text{SixGe}_{1-x})_4$. <i>Physical Review B</i> , 2002, 65, .	3.2	94
22	Incommensurate modulated structure of the ferromagnetic shape-memory Ni_2MnGa martensite. <i>Journal of Solid State Chemistry</i> , 2006, 179, 3525-3533.	2.9	88
23	Magnetic versus orbital polarons in colossal magnetoresistance manganites. <i>Physical Review B</i> , 2002, 65, .	3.2	86
24	Magnetoelastic behaviour of Gd_5Ge_4 . <i>Journal of Physics Condensed Matter</i> , 2003, 15, 2389-2397.	1.8	80
25	Magnetoelastic effects and magnetic anisotropy in Ni_2MnGa polycrystals. <i>Journal of Applied Physics</i> , 2001, 89, 5614-5617.	2.5	78
26	Magnetic-martensitic transition of $\text{Tb}_5\text{Si}_2\text{Ge}_2$ studied with neutron powder diffraction. <i>Physical Review B</i> , 2003, 68, .	3.2	78
27	Oxygen isotope effects in $(\text{La}_{0.5}\text{Nd}_{0.5})_2/3\text{Ca}_{1/3}\text{MnO}_3$: Relevance of the electron-phonon interaction to the phase segregation. <i>Physical Review B</i> , 1998, 57, 7446-7449.	3.2	77
28	Charge localization, magnetic order, structural behavior, and spin dynamics of $(\text{La}^{\sim}\text{Tb})_2/3\text{Ca}_{1/3}\text{MnO}_3$ manganese perovskites probed by neutron diffraction and muon spin relaxation. <i>Physical Review B</i> , 1997, 56, 3317-3324.	3.2	75
29	Origin of the giant magnetic moment in epitaxial Fe/MnO_3 films. <i>Physical Review B</i> , 2010, 81, .	3.2	75
30	Magnetocaloric effect in $\text{Tb}_5(\text{SixGe}_{1-x})_4$. <i>Applied Physics Letters</i> , 2001, 79, 1318-1320.	3.3	73
31	Unconventional scaling and significant enhancement of the spin Seebeck effect in multilayers. <i>Physical Review B</i> , 2015, 92, .	3.2	73
32	Intergrain magnetoresistance up to 50 T in the half-metallic $(\text{Ba}_{0.8}\text{Sr}_{0.2})_2\text{FeMoO}_6$ double perovskite: Spin-glass behavior of the grain boundary. <i>Physical Review B</i> , 2005, 71, .	3.2	70
33	Lattice effects, stability under a high magnetic field, and magnetotransport properties of the charge-ordered mixed-valence $\text{La}_{0.35}\text{Ca}_{0.65}\text{MnO}_3$ perovskite. <i>Physical Review B</i> , 1997, 56, 8252-8256.	3.2	65
34	Terahertz Spin Currents and Inverse Spin Hall Effect in Thin-Film Heterostructures Containing Complex Magnetic Compounds. <i>Spin</i> , 2017, 07, 1740010.	1.3	65
35	Hydrostatic pressure control of the magnetostructural phase transition in $\text{Gd}_5\text{Si}_2\text{Ge}_2$ single crystals. <i>Physical Review B</i> , 2005, 72, .	3.2	63
36	Mesoscopic Magnetic States in Metallic Alloys with Strong Electronic Correlations: A Percolative Scenario for $\text{CeNi}_{1-x}\text{Cu}_x$. <i>Physical Review Letters</i> , 2007, 98, 166406.	7.8	60

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37	Structural and magnetic characterization of the new ternary phase Tb ₃ (Fe _{1-x} Ti _x) ₂₉ . Journal of Physics Condensed Matter, 1994, 6, L717-L723.	1.8	59
38	Universal scaling of the anomalous Hall effect in FeO epitaxial thin films. Physical Review B, 2008, 77, .	3.2	57
39	Structural, magnetic and transport properties of Sr ₂ Fe _{1-x} Cr _x MoO _{6-y} . Solid State Sciences, 2002, 4, 651-660.	3.2	55
40	Peculiar ferromagnetic insulator state in the low-hole-doped manganites. Physical Review B, 2003, 67, .	3.2	55
41	Nature of antiferromagnetic order in epitaxially strained multiferroic SrMnO_3 thin films. Physical Review B, 2015, 92, .	3.2	51
42	Pressure effect on yttrium doped La _{0.60} Y _{0.07} Ca _{0.33} MnO ₃ compound. Applied Physics Letters, 1995, 67, 2875-2877.	3.3	51
43	Giant magnetoresistance in the Ge-rich magnetocaloric compound, Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ . Journal of Magnetism and Magnetic Materials, 2001, 237, 119-123.	2.3	51
44	Polar-Graded Multiferroic SrMnO_3 Thin Films. Nano Letters, 2016, 16, 2221-2227.	9.1	45
45	Griffiths-like phase of magnetocaloric $\text{R}_5\text{Mn}_4\text{O}_{19}$ compound. Physical Review B, 2010, 82, .	3.2	44
46	Possible Quantum Critical Point in La _{2/3} Ca _{1/3} Mn _{1-x} Ga _x O ₃ . Physical Review Letters, 2005, 94, 207205.	7.8	42
47	Thermoelectric performance of spin Seebeck effect in Fe_3O_4 /Pt-based thin film heterostructures. APL Materials, 2016, 4, 104802.	5.1	42
48	Anomalous behavior of the electrical resistivity in the giant magnetocaloric compound Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ . Physical Review B, 2003, 67, .	3.2	40
49	Pressure effects in the giant magnetocaloric compounds Gd ₅ (SixGe _{1-x}) ₄ . Journal of Physics Condensed Matter, 2004, 16, 1623-1630.	1.8	40
50	Hybrid TiO ₂ -Graphene nanoribbon photoanodes to improve the photoconversion efficiency of dye sensitized solar cells. Journal of Power Sources, 2018, 396, 566-573.	7.8	38
51	Enhancement of the spin Peltier effect in multilayers. Physical Review B, 2017, 95, .	3.2	36
52	Charge ordering at room temperature in. Journal of Physics Condensed Matter, 1997, 9, 10321-10331.	1.8	35
53	Study of the crystal electric field interaction in single crystals. Journal of Physics Condensed Matter, 1998, 10, 349-361.	1.8	35
54	Observation of the Strain Induced Magnetic Phase Segregation in Manganite Thin Films. Nano Letters, 2015, 15, 492-497.	9.1	35

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55	Analysis of the intrinsic magnetic properties of R ₂ Fe ₁₇ single crystals (R=Y, nDy, nHo, nEr). Physical Review B, 1997, 55, 8313-8323.	3.2	34
56	Grain-boundary magnetoresistance up to 42 T in cold-pressed Fe ₃ O ₄ nanopowders. Journal of Applied Physics, 2005, 97, 084317.	2.5	34
57	Anisotropy and magnetic ordering in the new phase Nd ₃ (FeTi) ₂₉ . Journal of Physics Condensed Matter, 1994, 6, L379-L384.	1.8	33
58	Magnetization of Re-based double perovskites: Noninteger saturation magnetization disclosed. Applied Physics Letters, 2007, 90, 252514.	3.3	33
59	Single-ion competing magnetic anisotropies in Pr _x Nd _{1-x} Co ₅ intermetallic compounds. Physical Review B, 1991, 44, 9368-9377.	3.2	32
60	Magnetic phase transitions in R ₂ /Fe ₁₇ compounds under pressure. IEEE Transactions on Magnetics, 1994, 30, 619-621.	2.1	32
61	Magnetotransport properties of Fe ₃ O ₄ thin films for applications in spin electronics. Microelectronic Engineering, 2007, 84, 1660-1664.	2.4	32
62	Giant planar Hall effect in epitaxial films and its temperature dependence. Physical Review B, 2008, 78, .	3.2	32
63	Interface-induced anomalous Nernst effect in Fe ₃ O ₄ /Pt-based heterostructures. Applied Physics Letters, 2019, 114, .	3.3	32
64	Field effect on phase segregation in the electron-doped mixed-valence manganites near a structural instability. Physical Review B, 2002, 65, .	3.2	30
65	Magnetic properties of Fe ²⁺ /MgO granular multilayers prepared by pulsed laser deposition. Journal of Applied Physics, 2009, 105, 063909.	2.5	30
66	Magnetoelastic and pressure effects at the antiferro \leftrightarrow ferromagnetic transition in Hf _{1-x} Ta _x Fe ₂ alloys. Journal of Applied Physics, 1996, 80, 6911-6914.	2.5	29
67	Magnetic structures and magnetic phase diagram of Nd _x Tb _{1-x} Mn ₂ Ge ₂ . Physical Review B, 1997, 55, 12363-12374.	3.2	29
68	Magnetic deflagration in Gd ₅ Si ₂ Ge ₂ . Physical Review B, 2010, 81, .	3.2	29
69	Magnetostriction and thermal expansion of RE ₂ Fe ₁₄ B. Journal of Applied Physics, 1987, 61, 3451-3453.	2.5	28
70	Effect of pressure on the magnetocrystalline anisotropy of (Er _x R _{1-x}) ₂ Fe ₁₄ B intermetallics. Journal of Physics Condensed Matter, 1992, 4, 9721-9734.	1.8	27
71	Crossover from charge-localized state to charge-ordered state in Pr ₂₃ Ca ₁₃ MnO ₃ . Physical Review B, 1996, 54, R12689-R12692.	3.2	27
72	Hall effect in Gd ₅ (Si _{1.8} Ge _{2.2}). Physical Review B, 2000, 61, 12651-12653.	3.2	27

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73	Cluster-glass dynamics of the Griffiths phase in $\text{Er}_{1-x}\text{Tb}_x$ compounds. Physical Review B, 2019, 99, .	2.7	25
74	Crystal field effects on polycrystalline (rare earth) Ni_2 intermetallic compounds. Journal of Magnetism and Magnetic Materials, 1984, 46, 167-177.	2.3	26
75	Magnetic phase diagram and anisotropy of pseudoternary $(\text{Er}_x\text{Dy}_{1-x})_2\text{Fe}_{14}\text{B}$ compounds. Physical Review B, 1989, 39, 7081-7088.	3.2	26
76	Magnetic anisotropy and magnetization processes in 3:29 and 1:12 $\text{Nd}(\text{FeTi})_3$ -based compounds. Journal of Applied Physics, 1994, 76, 7473-7477.	2.5	26
77	High-field Hall effect and magnetoresistance in Fe_3O_4 epitaxial thin films up to 30 Tesla. Applied Physics Letters, 2009, 95, .	3.3	26
78	Manganese Phthalocyanine Derivatives Synthesized by On-Surface Cyclotetramerization. Journal of Physical Chemistry C, 2014, 118, 17895-17899.	3.1	26
79	Spin re-orientation transition and high field magnetostriction in $\text{ErFe}_{10}\text{V}_2$. Solid State Communications, 1988, 68, 711-714.	1.9	25
80	Phase control studies in $\text{Gd}_5\text{Si}_2\text{Ge}_2$ giant magnetocaloric compound. Journal of Alloys and Compounds, 2012, 529, 89-95.	5.5	25
81	Quantitative in situ magnetization reversal studies in Lorentz microscopy and electron holography. Ultramicroscopy, 2013, 134, 144-154.	1.9	25
82	Giant magnetoresistance in bulk. Solid State Communications, 1995, 96, 627-630.	1.9	24
83	Anomalous low-field magnetization in $\text{La}_{2/3}\text{Ca}_{1/3}\text{MnO}_3$ near the critical point: Stable clusters?. Journal of Applied Physics, 1998, 83, 7154-7156.	2.5	24
84	X-ray magnetic circular dichroism probe of the Rh magnetic moment instability in $\text{Fe}_{1-x}\text{Rh}_x$ alloys near the equiatomic concentration. Physical Review B, 1999, 59, 3306-3309.	3.2	24
85	Giant magnetostriction in $\text{Ca}_2\text{FeReO}_6$ double perovskite. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 843-845.	2.3	24
86	Magnetic and crystal structures of $\text{Er}_5(\text{SixGe}_{1-x})_4$. Journal of Physics Condensed Matter, 2006, 18, 3937-3950.	1.8	24
87	Spin reorientation in RECo_5 compounds: A.C. susceptibility and thermal expansion. Journal of Physics and Chemistry of Solids, 1988, 49, 213-222.	4.0	23
88	Spin Seebeck effect in insulating epitaxial $\text{Ir}_{1-x}\text{Fe}_x\text{Fe}_2\text{O}_3$ thin films. APL Materials, 2017, 5, .	5.1	23
89	Magnetostriction in high pulsed magnetic fields on a single crystal of $\text{Nd}_2\text{Fe}_{14}\text{B}$. Journal of Magnetism and Magnetic Materials, 1990, 84, 109-114.	2.3	22
90	Effect of vanadium on the RE and Fe sublattice anisotropies in some $\text{REFe}_{12-x}\text{V}_x$ (RE=Y,Er,Tb) tetragonal compounds. Journal of Applied Physics, 1991, 70, 3753-3759.	2.5	22

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91	Spontaneous and field induced spin reorientation transitions of DyFe ₁₁ Ti single crystal. Journal of Applied Physics, 1993, 73, 5908-5910.	2.5	22
92	Correlation between magnetovolume and giant magnetoresistance effects in doped La _{2/3} Ca _{1/3} MnO ₃ perovskites. Journal of Applied Physics, 1996, 79, 5175.	2.5	22
93	Tricritical points in La-based ferromagnetic manganites. Journal of Applied Physics, 2003, 93, 7646-7648.	2.5	22
94	Magnetic moment at highly frustrated sites of antiferromagnetic Laves phase structures. Physical Review B, 2005, 71, .	3.2	22
95	Detailed neutron study of the crossover from long-range to short-range magnetic ordering in(Nd _{1-x} Tbx) _{0.55} Sr _{0.45} MnO ₃ manganites. Physical Review B, 2006, 74, .	3.2	22
96	Epitaxial Stabilization of the Perovskite Phase in (Sr _x Ba _{1-x})MnO ₃ Thin Films. ACS Applied Materials & Interfaces, 2015, 7, 23967-23977.	8.0	22
97	High field magnetostriction and magnetic thermal expansion of RE ₂ Fe ₁₄ B hard intermetallics. Journal of Magnetism and Magnetic Materials, 1992, 114, 161-175.	2.3	21
98	Structural and magnetic properties of $\text{Ho}_5\text{Mn}_2\text{Si}_2$. Physical Review B, 2008, 77, .	2.1	21
99	Magnetostriction of the NdCo ₅ uniaxial permanent magnet. Journal of Magnetism and Magnetic Materials, 1987, 68, 177-189.	2.3	20
100	Spin-reorientation transitions in NdCo ₅ and critical effects on the electrical resistivity temperature derivative. Journal of Physics Condensed Matter, 1990, 2, 3897-3902.	1.8	20
101	Magnetization measurements on RE ₂ Fe ₁₇ single crystals. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1085-1086.	2.3	20
102	Invar behaviour of Y ₂ Fe ₁₇ and YFe ₁₁ Ti single crystals: magnetic moment of Fe under pressure. Journal of Magnetism and Magnetic Materials, 1999, 196-197, 649-650.	2.3	20
103	Unveiling the (De)coupling of magnetostructural transition nature in magnetocaloric R ₅ Si ₂ Ge ₂ (R = Tb, Ti). Journal of Applied Physics, 2010, 107, 104301.	3.3	20
104	Characteristic length scale of the magnon accumulation in Fe ₃ O ₄ /Pt bilayer structures by incoherent thermal excitation. Applied Physics Letters, 2016, 109, .	3.3	20
105	Volume dependence of magnetic phase transitions of the novel Nd ₃ (FeTi) ₂₉ , Pr ₃ (FeTi) ₂₉ and Tb ₃ (FeTi) ₂₉ compounds. Solid State Communications, 1994, 92, 807-810.	1.9	19
106	Anisotropy in the paramagnetic phase of RENi ₅ hexagonal intermetallic compounds (RE = Tb, Ho, Nd). Journal of Magnetism and Magnetic Materials, 1996, 153, 17-27.	2.3	19
107	Evidence for a coupled magnetic-crystallographic transformation in Nd ₅ (Si _{0.6} Ge _{0.4}) ₄ . Physical Review B, 2004, 70, .	3.2	19
108	Temperature dependence of magnetization under high fields in Re-based double perovskites. Journal of Physics Condensed Matter, 2007, 19, 506206.	1.8	19

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109	Phase Competitions behind the Giant Magnetic Entropy Variation: Gd ₅ Si ₂ Ge ₂ and Tb ₅ Si ₂ Ge ₂ Case Studies. <i>Entropy</i> , 2014, 16, 3813-3831.	2.2	19
110	Temperature dependence of the spin Seebeck effect in [Fe ₃ O ₄ /Pt] _n multilayers. <i>AIP Advances</i> , 2017, 7, .	1.3	19
111	Critical behavior in spin-reorientation phase transitions: (Er _x R _{1-x}) ₂ Fe ₁₄ B (R=Nd, Dy) magnets. <i>Physical Review B</i> , 1989, 40, 7192-7198.	3.2	18
112	Magnetic and magnetoelastic behavior of mechanically alloyed FeRh compound. <i>Journal of Applied Physics</i> , 1997, 81, 2315-2320.	2.5	18
113	Thermopower behavior in the Gd ₅ (Si _{0.1} Ge _{0.9}) ₄ magnetocaloric compound from 4 to 300 K. <i>Journal of Applied Physics</i> , 2002, 91, 4457-4460.	2.5	18
114	From magnetoelectronic to biomedical applications based on the nanoscale properties of advanced magnetic materials. <i>International Journal of Nanotechnology</i> , 2005, 2, 3.	0.2	18
115	Tunneling magnetoresistance in Fe/MgO granular multilayers. <i>Journal of Applied Physics</i> , 2010, 107, 033704.	2.5	18
116	Understanding the role played by Fe on the tuning of magnetocaloric effect in Tb ₅ Si ₂ Ge ₂ . <i>Applied Physics Letters</i> , 2011, 98, .	3.3	18
117	Spin reorientation processes in hard magnetic pseudoternaries (Er _x Nd _{1-x}) ₂ Fe ₁₄ B. <i>Journal of Applied Physics</i> , 1988, 64, 5537-5539.	2.5	17
118	Magnetostriction and thermal expansion of high-T _c magnetic superconductors REBa ₂ Cu ₃ O _{7-x} (RE =) <i>Tj ETQq0 0 0 rgBT /Overlock 10</i>	1.2	17
119	Giant room temperature volume magnetostriction in an Fe-Rh-Pd alloy. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 231-232.	2.3	17
120	Magnetostriction effects. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 788-796.	2.3	17
121	Transport and magnetic study of the spin reorientation transition in the Tb ₅ (Si _{0.5} Ge _{0.5}) ₄ magnetocaloric compound. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 4941-4949.	1.8	17
122	Critical magnetic behavior of magnetocaloric materials with the Gd ₅ Si ₄ -type structure. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	17
123	Magnetoelastic behaviour and the spin-reorientation transition in HoAl ₂ . <i>Journal of Physics C: Solid State Physics</i> , 1988, 21, 2735-2748.	1.5	16
124	A.C. initial magnetic susceptibility and spin reorientation transitions in (Er _x R _{1-x}) ₂ Fe ₁₄ B magnets (R=Nd) <i>Tj ETQq0 0 0 rgBT /Overlock 16</i>	1.9	16
125	Magnetostriction in pulsed high magnetic fields of RE ₂ Fe ₁₇ single crystals. <i>Physica B: Condensed Matter</i> , 1992, 177, 227-232.	2.7	16
126	Effects of pressure on the magnetic and crystallographic structure of Er ₅ Si ₄ . <i>Physical Review B</i> , 2006, 74, .	3.2	16

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127	Magnetoelastic coupling in $\text{Sr}_2(\text{Fe}_{1-x}\text{Cr}_x)\text{ReO}_6$ double perovskites. Journal of Physics Condensed Matter, 2007, 19, 436226.	1.8	16
128	Magnetocaloric effect of $\text{Er}_{1-x}\text{Mn}_x$ hydrostatic pressure. Physical Review B, 2009, 79, .	1.8	16
129	Magnetic properties of Co/N thin films deposited by reactive sputtering. Thin Solid Films, 2014, 556, 125-127.	1.8	16
130	Enhanced Magnetotransport in Nanopatterned Manganite Nanowires. Nano Letters, 2014, 14, 423-428.	9.1	16
131	Influence of the substrate on structure and magnetic properties of Co/N thin films. Journal of Alloys and Compounds, 2015, 633, 470-478.	5.5	16
132	Spin reorientation phenomena in $\text{RFe}_{10}\text{V}_2$ intermetallic compounds ($\text{R}=\text{Dy}$ and Nd). Solid State Communications, 1990, 74, 231-235.	1.9	15
133	Magnetocrystalline anisotropy in some RENi_5 intermetallics. Journal of Applied Physics, 1993, 73, 6054-6056.	2.5	15
134	Magnetic anisotropy and magnetic phase transitions in a $\text{DyFe}_{11}\text{Ti}$ single crystal. Journal of Physics Condensed Matter, 1994, 6, 10551-10566.	1.8	15
135	Magnetic-field-induced structural transformation in Er_5Si_4 . Physical Review B, 2006, 74, .	3.2	15
136	Colossal magnetoresistance in $\text{Ca}_x\text{Sr}_{2-x}\text{FeReO}_6$ double perovskites due to field-induced phase coexistence. Physical Review B, 2007, 75, .	3.2	15
137	Following the magnetism of Si_5Ge_2 . Journal of Applied Physics, 2007, 102, 043902.	3.2	15
138	Growth of $\text{Sr}_2\text{CrReO}_6$ epitaxial thin films by pulsed laser deposition. Journal of Magnetism and Magnetic Materials, 2010, 322, 1217-1220.	2.3	14
139	Controlling the Electrical and Magnetoelectric Properties of Epitaxially Strained $\text{Sr}_2\text{BaMnO}_7$ Thin Films. Advanced Materials Interfaces, 2017, 4, 1601040.	3.7	14
140	Quantification of the interfacial and bulk contributions to the longitudinal spin Seebeck effect. Applied Physics Letters, 2021, 118, .	3.3	14
141	Spin reorientation phase transitions in RE-Co_5 hexagonal ferromagnets. Journal of Physics Condensed Matter, 1990, 2, 6031-6043.	1.8	13
142	μSR spectroscopy in $\text{Sr}_2\text{FeMoO}_6$ double perovskite. Journal of Magnetism and Magnetic Materials, 2001, 226-230, 1089-1091.	2.3	13
143	Multi-step and anomalous reproducible behaviour of the electrical resistivity near the first-order magnetostructural transition of $\text{Gd}_5(\text{Si}_{0.1}\text{Ge}_{0.9})_4$. Journal of Physics Condensed Matter, 2005, 17, 2461-2476.	1.8	13
144	Two- and three-dimensional magnetic ordering in the bilayer manganite $\text{Ca}_{2.5}\text{Sr}_{0.5}\text{CaMn}_2\text{O}_8$. Physical Review B, 2006, 74, .	3.2	13

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145	Magnetic and crystal structure of $\text{Ho}_5(\text{SixGe}_{1-x})_4$ studied by neutron diffraction. <i>Physical Review B</i> , 2009, 80, .	3.2	13
146	Magnetic anisotropy and pressure dependence of the order temperature in in the $\text{Gd}_3(\text{FeTi})_2$ compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 150, L285-L289.	2.3	12
147	Magnetostriction and thermal expansion measurements on $\text{FeRh}_{1-x}\text{Pt}_x$ alloys. <i>Journal of Applied Physics</i> , 1996, 79, 4659.	2.5	12
148	Spin-phonon coupling in epitaxial $\text{SrS}_r\text{Mn}_{0.6}\text{B}_a\text{Mn}_{0.4}\text{Mn}$	3.2	12
149	Interfacial ferromagnetism and atomic structures in high-temperature grown $\text{Fe}_3\text{O}_4/\text{Pt}/\text{Fe}_3\text{O}_4$ epitaxial trilayers. <i>Journal of Applied Physics</i> , 2019, 126, .	2.5	12
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