

Peter E Schiffer

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Magnetic field dependent thermodynamic properties of square and quadrupolar artificial spin ice. <i>Physical Review B</i> , 2022, 105, .	1.1	4
2	Entropy-driven order in an array of nanomagnets. <i>Nature Physics</i> , 2022, 18, 706-712.	6.5	5
3	Field-Induced Magnetic Monopole Plasma in Artificial Spin Ice. <i>Physical Review X</i> , 2021, 11, .	2.8	9
4	Artificial spin ice: Paths forward. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	35
5	Proximity-induced anisotropic magnetoresistance in magnetized topological insulators. <i>Applied Physics Letters</i> , 2021, 118, .	1.5	7
6	Field-Tunable Interactions and Frustration in Underlayer-Mediated Artificial Spin Ice. <i>Physical Review Letters</i> , 2021, 127, 117203.	2.9	9
7	String Phase in an Artificial Spin Ice. <i>Nature Communications</i> , 2021, 12, 6514.	5.8	9
8	Experimental Realization of the 1D Random Field Ising Model. <i>Physical Review Letters</i> , 2021, 127, 207203.	2.9	10
9	Unequal effects of the COVID-19 pandemic on scientists. <i>Nature Human Behaviour</i> , 2020, 4, 880-883.	6.2	498
10	Imaging the stochastic microstructure and dynamic development of correlations in perpendicular artificial spin ice. <i>Physical Review Research</i> , 2020, 2, .	1.3	7
11	Understanding thermal annealing of artificial spin ice. <i>APL Materials</i> , 2019, 7, .	2.2	28
12	Field-induced phase coexistence in an artificial spin ice. <i>Nature Physics</i> , 2019, 15, 191-195.	6.5	49
13	Classical topological order in the kinetics of artificial spin ice. <i>Nature Physics</i> , 2018, 14, 723-727.	6.5	57
14	Understanding magnetotransport signatures in networks of connected permalloy nanowires. <i>Physical Review B</i> , 2017, 95, .	1.1	32
15	Deliberate exotic magnetism via frustration and topology. <i>Nature Physics</i> , 2017, 13, 200-203.	6.5	66
16	Characterization of switching field distributions in Ising-like magnetic arrays. <i>Physical Review B</i> , 2017, 95, .	1.1	7
17	Magnetic response of brickwork artificial spin ice. <i>Physical Review B</i> , 2017, 96, .	1.1	17
18	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. <i>Physical Review Applied</i> , 2017, 8, .	1.5	29

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19	Frustration by design. <i>Physics Today</i> , 2016, 69, 54-59.	0.3	52
20	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. <i>Nature</i> , 2016, 537, 523-527.	13.7	275
21	Emergent reduced dimensionality by vertex frustration in artificial spin ice. <i>Nature Physics</i> , 2016, 12, 162-165.	6.5	117
22	Direct visualization of memory effects in artificial spin ice. <i>Physical Review B</i> , 2015, 92, .	1.1	44
23	Transport properties of ultra-thin VO ₂ films on (001) TiO ₂ grown by reactive molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	88
24	Imaging Local Polarization and Domain Boundaries in Multiferroic (LuFeO ₃) _m /(LuFe ₂ O ₄) _n Superlattices. <i>Microscopy and Microanalysis</i> , 2015, 21, 1303-1304.	0.2	0
25	Epitaxial growth of highly-crystalline spinel ferrite thin films on perovskite substrates for all-oxide devices. <i>Scientific Reports</i> , 2015, 5, 10363.	1.6	30
26	Magnetic Structure and Ordering of Multiferroic Hexagonal LuFeO_3 . <i>Physical Review Letters</i> , 2015, 114, 217602. https://doi.org/10.1103/PhysRevLett.114.217602	2.9	92
27	Thin LuFeO_3 films on CaTiO_3 -buffered silicon substrates. <i>APL Materials</i> , 2015, 3, 062504.	1.1	15
28	Quenched crystal-field disorder and magnetic liquid ground states in Tb_2O_7 . <i>Physical Review B</i> , 2015, 91, .	1.1	11
29	Effects of exchange bias on magnetotransport in permalloy kagome artificial spin ice. <i>New Journal of Physics</i> , 2015, 17, 023047.	1.2	20
30	Enhanced electrical and magnetic properties in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films deposited on CaTiO_3 -buffered silicon substrates. <i>APL Materials</i> , 2015, 3, 062504.	2.2	19
31	A Novel, Layered Phase in SrTiO_3 Epitaxial Thin Films. <i>Advanced Materials</i> , 2015, 27, 861-868.	11.1	9
32	Nonmonotonic residual entropy in diluted spin ice: A comparison between Monte Carlo simulations of diluted dipolar spin ice models and experimental results. <i>Physical Review B</i> , 2014, 90, .	1.1	15
33	Epitaxial growth of VO ₂ by periodic annealing. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	52
34	Intrinsic magnetic properties of hexagonal LuFeO_3 and the effects of nonstoichiometry. <i>APL Materials</i> , 2014, 2, 012106.	2.2	63
35	Emergent ice rule and magnetic charge screening from vertex frustration in artificial spin ice. <i>Nature Physics</i> , 2014, 10, 670-675.	6.5	141
36	Crystallites of magnetic charges in artificial spin ice. <i>Nature</i> , 2013, 500, 553-557.	13.7	197

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37	Solution-Phase Synthesis and Magnetic Properties of Single-Crystal Iron Germanide Nanostructures. Chemistry of Materials, 2013, 25, 4396-4401.	3.2	15
38	<i>Colloquium</i>: Artificial spin ice: Designing and imaging magnetic frustration. Reviews of Modern Physics, 2013, 85, 1473-1490.	16.4	407
39	Reversible control of magnetic interactions by electric field in a single-phase material. Nature Communications, 2013, 4, 1334.	5.8	67
40	Magnetoelectric Flexural Gate Transistor With Nanotesla Sensitivity. Journal of Microelectromechanical Systems, 2013, 22, 71-79.	1.7	9
41	High-temperature onset of field-induced transitions in the spin-ice compound Dy ₂ Ti ₂ O ₇ . Physical Review B, 2012, 86, .	1.1	15
42	Unusual field dependence of spin fluctuations on different timescales in Tb ₂ Ti ₂ O ₇ . Physical Review B, 2012, 86, .	1.1	15
43	Interplay between ferromagnetism, surface states, and quantum corrections in a magnetically doped topological insulator. Physical Review B, 2012, 86, .	1.1	133
44	The adsorption-controlled growth of LuFe ₂ O ₄ by molecular-beam epitaxy. Applied Physics Letters, 2012, 101, .	1.5	38
45	Perpendicular Magnetization and Generic Realization of the Ising Model in Artificial Spin Ice. Physical Review Letters, 2012, 109, 087201.	2.9	58
46	Magnetization states and switching in narrow-gapped ferromagnetic nanorings. AIP Advances, 2012, 2, .	0.6	7
47	The Zintl ion [As ₇]2 ⁻ : an example of an electron-deficient As _x radical anion. Chemical Communications, 2011, 47, 3126.	2.2	18
48	Structural and magnetic characteristics of MnAs nanoclusters embedded in Be-doped GaAs. Physical Review B, 2011, 84, .	1.1	16
49	Bridging hcp-Ni and Ni ₃ C via a Ni ₃ C _{1-x} Solid Solution: Tunable Composition and Magnetism in Colloidal Nickel Carbide Nanoparticles. Chemistry of Materials, 2011, 23, 2475-2480.	3.2	99
50	Ignoring Your Neighbors: Moment Correlations Dominated by Indirect or Distant Interactions in an Ordered Nanomagnet Array. Physical Review Letters, 2011, 107, 117204.	2.9	18
51	Experimental Determination of Quantum and Centroid Capacitance in Arsenide Antimonide Quantum-Well MOSFETs Incorporating Nonparabolicity Effect. IEEE Transactions on Electron Devices, 2011, 58, 1397-1403.	1.6	18
52	Purification and Magnetic Interrogation of Hybrid Au ₃ O ₄ and FePt ₃ O ₄ Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 9875-9879.	7.2	45
53	Low-temperature dynamic freezing and the fragility of ordering in Tb ₂ Sn ₂ O ₇ . Physical Review B, 2011, 83, .	1.1	18
54	Measurements of Nanoscale Domain Wall Flexing in a Ferromagnetic Thin Film. Physical Review Letters, 2011, 107, 077205.	2.9	12

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55	Low-velocity granular drag in reduced gravity. <i>Physical Review E</i> , 2011, 83, 011305.	0.8	44
56	Magneto-optical Kerr effect studies of square artificial spin ice. <i>Physical Review B</i> , 2011, 84, .	1.1	47
57	(Invited) Effect of Strain and Dimensionality on the Properties of Manganites. <i>ECS Transactions</i> , 2011, 41, 283-292.	0.3	0
58	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. <i>Nature</i> , 2011, 476, 114-114.	13.7	183
59	Growth And Magnetic Properties Of La ₂ NiMnO ₆ Epitaxial Thin Films. , 2011, , .		2
60	Colloidal Synthesis of Non-Equilibrium Wurtzite-type MnSe. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4638-4640.	7.2	67
61	Solution precursor synthesis and magnetic properties of Eu _x CaxTiO ₃ . <i>Journal of Solid State Chemistry</i> , 2010, 183, 631-635.	1.4	15
62	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. <i>Nature</i> , 2010, 466, 954-958.	13.7	668
63	Direct entropy determination and application to artificial spin ice. <i>Nature Physics</i> , 2010, 6, 786-789.	6.5	66
64	Adsorption-controlled growth of BiMnO ₃ films by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	45
65	Effective Temperature in an Interacting Vertex System: Theory and Experiment on Artificial Spin Ice. <i>Physical Review Letters</i> , 2010, 105, 047205.	2.9	117
66	Advanced composite high- κ gate stack for mixed anion arsenide-antimonide quantum well transistors. , 2010, , .		7
67	Coexisting magnetic order and cooperative paramagnetism in the stuffed pyrochlore Tb _{2+x} Ti _{2-2x} Nb _x O ₇ . <i>Physical Review B</i> , 2010, 81, .	1.1	10
68	Comparing artificial frustrated magnets by tuning the symmetry of nanoscale permalloy arrays. <i>Physical Review B</i> , 2010, 81, .	1.1	62
69	Magnetic properties of $\langle \text{Ba} \rangle_2 \langle \text{Mn} \rangle_2 \langle \text{Mn} \rangle_2 \langle \text{Mn} \rangle_2$ a frustrated lattice geometry. <i>Physical Review B</i> , 2010, 81, .		
70	Optimized Synthesis and Magnetic Properties of Intermetallic Au ₃ Fe _{1-x} , Au ₃ Co _{1-x} , and Au ₃ Ni _{1-x} Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 3988-3994.	3.2	48
71	Interlayer and interfacial exchange coupling in ferromagnetic metal/semiconductor heterostructures. <i>Physical Review B</i> , 2010, 81, .	1.1	19
72	Comparing frustrated and unfrustrated clusters of single-domain ferromagnetic islands. <i>Physical Review B</i> , 2010, 82, .	1.1	24

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73	Magnetothermal study of the hybrid frustrated magnet $\text{Dy}_2\text{Cu}_2\text{O}_7$. Physical Review B, 2009, 80, .	1.1	31
74	Scaling Theory of Magnetoresistance and Carrier Localization in LiNbO_3 . Physical Review Letters, 2009, 102, 137203.	2.9	21
75	FeTiO_3 -Type Phase of FeTiO_3 . Physical Review Letters, 2009, 103, 047601.	2.9	132
76	Low temperature magnetism in the perovskite substrate DyScO_3 . Applied Physics Letters, 2009, 94, .	1.5	36
77	Zero-point entropy of the spinel spin glasses CuGa_2O_4 and CuAl_2O_4 . Journal of Physics: Conference Series, 2009, 145, 012029.	0.3	16
78	Granular fragility under thermal cycles. Granular Matter, 2009, 11, 237-242.	1.1	21
79	Monopoles on the move. Nature Physics, 2009, 5, 250-251.	6.5	6
80	The $\text{A}_2\text{Mn}_5(\text{SO}_4)_6$ family of triangular lattice, ferrimagnetic sulfates. Journal of Solid State Chemistry, 2009, 182, 1343-1350.	1.4	6
81	Effect of biaxial strain on the electrical and magnetic properties of (001) $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ thin films. Applied Physics Letters, 2009, 95, .	1.5	184
82	Optical band gap and magnetic properties of unstrained EuTiO_3 films. Applied Physics Letters, 2009, 94, .	1.5	68
83	Ferromagnetic resonance study of $\text{MnAs}(\text{Ga,Mn})\text{As}$ bilayers. Journal of Applied Physics, 2009, 105, 07C506.	1.1	8
84	Charge-carrier localization induced by excess Fe in the superconductor $\text{Fe}_1\text{Te}_{2-x}\text{Se}_x$. Physical Review B, 2009, 80, .	1.1	220
85	Chemical Synthesis of Two-Dimensional Iron Chalcogenide Nanosheets: FeSe , FeTe , $\text{Fe}(\text{Se},\text{Te})$, and FeTe_2 . Chemistry of Materials, 2009, 21, 3655-3661.	3.2	95
86	Chemical Synthesis of Air-Stable Manganese Nanoparticles. Journal of the American Chemical Society, 2009, 131, 9144-9145.	6.6	54
87	Possible observation of quantum ferromagnetic fluctuations in $\text{La}_4\text{Ru}_6\text{O}_{19}$. Physical Review B, 2009, 80, .	1.1	8
88	NMR and μSR study of magnetic dilution in the triangular Heisenberg antiferromagnet NaCrO_2 . Journal of Physics: Conference Series, 2009, 145, 012042.	0.3	0
89	Soft Chemical Conversion of Layered Double Hydroxides to Superparamagnetic Spinel Platelets. Chemistry of Materials, 2008, 20, 2374-2381.	3.2	71
90	Room-Temperature Chemical Synthesis of Shape-Controlled Indium Nanoparticles. Journal of the American Chemical Society, 2008, 130, 8140-8141.	6.6	72

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91	Direct Solution Synthesis, Reaction Pathway Studies, and Structural Characterization of Crystalline Ni ₃ B Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 19846-19851.	1.5	42
92	Substrate orientation dependence of ferromagnetism in (Ga,Mn)As. Applied Physics Letters, 2008, 93, .	1.5	6
93	Transition from Rolling to Jamming in Thin Granular Layers. Physical Review Letters, 2008, 101, 248001.	2.9	13
94	Energy Minimization and ac Demagnetization in a Nanomagnet Array. Physical Review Letters, 2008, 101, 037205.	2.9	109
95	Tuning magnetic frustration of nanomagnets in triangular-lattice geometry. Applied Physics Letters, 2008, 93, 252504.	1.5	23
96	Electrical and magnetic properties of (SrMnO ₃) _n •(LaMnO ₃) _{2n} superlattices. Applied Physics Letters, 2008, 92, 112508.	1.5	75
97	Structure and magnetic properties of the $Ho_{2-x}Mn_{x+1}$ Physical Review B, 2008, 77, .	1.1	40
98	Tunneling Magnetoresistance in Exchange Biased Ferromagnetic Semiconductor Tunnel Junctions. , 2008, , .		0
99	Quasireversible magnetoresistance in exchange-spring tunnel junctions. Physical Review B, 2008, 78, .	1.1	9
100	Magnetochemical study of a Dy-stuffed spin ice: Dy ₂ (Dy ₂ Ti ₂ O ₇) ₂ . Physical Review B, 2008, 77, .	1.1	14
101	Starting to Move through a Granular Medium. Physical Review Letters, 2008, 101, 108001.	2.9	19
102	Magnetochemical study of the Ising antiferromagnet $Dy_2Ti_2O_7$ Physical Review B, 2008, 78, .	1.1	35
103	Field-driven phase transitions in a quasi-two-dimensional quantum antiferromagnet. New Journal of Physics, 2007, 9, 31-31.	1.2	34
104	Spin dynamics in frustrated magnets: from edge- to corner-sharing geometries. Journal of Physics Condensed Matter, 2007, 19, 145224.	0.7	16
105	Epitaxial growth and magnetic properties of the first five members of the layered Sr _{n+1} Ru _n O _{3n+1} oxide series. Applied Physics Letters, 2007, 90, 022507.	1.5	65
106	Spin-ice behavior in $Dy_2Ti_2O_7$ Physical Review B, 2008, 77, .	1.1	25
107	Synthesis and characterization of an n=6 Aurivillius phase incorporating magnetically active manganese, Bi ₇ (Mn,Ti) ₆ O ₂₁ . Applied Physics Letters, 2007, 91, 033113.	1.5	29
108	Ground State Lost but Degeneracy Found: The Effective Thermodynamics of Artificial Spin Ice. Physical Review Letters, 2007, 98, 217203.	2.9	108

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109	Onset of Ferromagnetism in Low-Doped GaMnAs . Physical Review Letters, 2007, 99, 227205.	2.0	38
110	Adsorption-controlled molecular-beam epitaxial growth of BiFeO_3 . Applied Physics Letters, 2007, 91, .	1.5	91
111	Magnetic, electrical transport, and thermoelectric properties of Ru_3O_{10} . Physical Review B, 2007, .	1.1	14
112	Evidence for a field-induced electronic phase transition at low temperatures. Physical Review B, 2007, .	1.1	66
113	Demagnetization protocols for frustrated interacting nanomagnet arrays. Journal of Applied Physics, 2007, 101, 09J104.	1.1	66
114	Nonmonotonic Zero-Point Entropy in Diluted Spin Ice. Physical Review Letters, 2007, 99, 137203.	2.9	47
115	Spin valve effect in self-exchange biased ferromagnetic metal/semiconductor bilayers. Applied Physics Letters, 2007, 91, .	1.5	26
116	Structural disorder and properties of the stuffed pyrochlore Ho_2TiO_5 . Physical Review B, 2007, 76, .	1.1	41
117	Noncollinear spin valve effect in ferromagnetic semiconductor trilayers. Physical Review B, 2007, 76, .	1.1	24
118	Controlled Assembly of Zero-, One-, Two-, and Three-Dimensional Metal Chalcogenide Structures. Inorganic Chemistry, 2007, 46, 7238-7240.	1.9	40
119	Magnetic structure and properties of the antiferromagnet NaFe_5As_8 . Physical Review B, 2007, 76, .	1.1	38
120	Width dependence of annealing effects in $(\text{Ga,Mn})\text{As}$ nanowires. Journal of Applied Physics, 2006, 99, 08D501.	1.1	7
121	TEM-Induced Structural Evolution in Amorphous Fe Oxide Nanoparticles. Journal of the American Chemical Society, 2006, 128, 12632-12633.	6.6	87
122	Unconventional Dynamics in Triangular Heisenberg Antiferromagnet NaCr_2O_7 . Physical Review Letters, 2006, 97, 167203.	2.9	109
123	Packing grains by thermal cycling. Nature, 2006, 442, 257-257.	13.7	82
124	Zero-point entropy in stuffed spin-ice. Nature Physics, 2006, 2, 249-253.	6.5	89
125	Artificial "spin ice" in a geometrically frustrated lattice of nanoscale ferromagnetic islands. Nature, 2006, 439, 303-306.	13.7	729
126	Magnetic characterization of the sawtooth-lattice olivines $\text{Zn}_2\text{L}_2\text{S}_4$ (L=Er,Tm,Yb). Physical Review B, 2006, 73, .	1.1	24
127	Annealing Dependence of Exchange Bias in MnO/GaMnAs Heterostructures. Journal of Superconductivity and Novel Magnetism, 2006, 18, 421-426.	0.5	1

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127	Impurity Band Conduction in a High Temperature Ferromagnetic Semiconductor. Physical Review Letters, 2006, 97, 087208.	2.9	162
128	Slow Spin Relaxation in a Highly Polarized Cooperative Paramagnet. Physical Review Letters, 2006, 96, 027216.	2.9	40
129	Flux through a hole from a shaken granular medium. Physical Review E, 2006, 74, 011306.	0.8	24
130	Antisite effect on hole-mediated ferromagnetism in (Ga,Mn)As. Physical Review B, 2006, 74, .	1.1	45
131	Ferromagnetic semiconductors: moving beyond (Ga,Mn)As. Nature Materials, 2005, 4, 195-202.	13.3	654
132	A bridge to sandpile stability. Nature Physics, 2005, 1, 21-22.	6.5	29
133	Molecular-beam epitaxial growth and characterization of $(\text{In}_{0.5}\text{Al}_{0.5})_{1-x}\text{Mn}_x\text{As}$ - $(\text{In}_{0.5}\text{Ga}_{0.5})_{1-x}\text{Mn}_x\text{As}$: Thin films and superlattices. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 1304.	1.6	2
134	Geometrical magnetic frustration in rare-earth chalcogenide spinels. Physical Review B, 2005, 72, .	1.1	38
135	Magnetoresistance anomalies in (Ga,Mn)As epilayers with perpendicular magnetic anisotropy. Physical Review B, 2005, 71, .	1.1	42
136	Nanoengineered Curie temperature in laterally patterned ferromagnetic semiconductor heterostructures. Applied Physics Letters, 2005, 86, 152505.	1.5	25
137	Sharp step-like metamagnetic transition in the charge-ordered manganite compound $(\text{La}_{0.3}\text{Eu}_{0.2})(\text{Ca}_{0.3}\text{Sr}_{0.2})\text{MnO}_3$. Journal of Physics Condensed Matter, 2005, 17, 989-994.	0.7	11
138	Metamagnetic steps in Eu-based manganite compounds. Journal of Applied Physics, 2005, 97, 10H710.	1.1	7
139	Magnetodielectric consequences of phase separation in the colossal magnetoresistance manganite $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. Physical Review B, 2005, 72, .	1.1	81
140	Honeycombs of triangles and magnetic frustration in $\text{Sr}_2\text{L}_2\text{O}_4$ (L=Gd, Dy, Ho, Er, Tm, and Yb). Physical Review B, 2005, 71, .	1.1	79
141	Capillary Magnetic Field Flow Fractionation and Analysis of Magnetic Nanoparticles. Analytical Chemistry, 2005, 77, 5055-5062.	3.2	97
142	Exchange biasing of the ferromagnetic semiconductor (Ga,Mn)As by MnO (invited). Journal of Applied Physics, 2005, 97, 10D304.	1.1	17
143	Reply to "Comment on "Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi_3 ". Physical Review B, 2004, 69, .	1.1	1
144	Quantum and thermal spin relaxation in the diluted spin ice $\text{Dy}_{2-x}\text{M}_x\text{Ti}_2\text{O}_7$ (M=Lu,Y). Physical Review B, 2004, 70, .	1.1	66

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145	Getting to the bottom of a granular medium. <i>Nature</i> , 2004, 427, 503-504.	13.7	60
146	Enhancement of Curie temperature in Ga $_{1-x}$ Mn $_x$ As epilayers grown on cross-hatched In $_y$ Ga $_{1-y}$ As buffer layers. <i>Journal of Crystal Growth</i> , 2004, 269, 298-303.	0.7	7
147	External control of the direction of magnetization in ferromagnetic InMnAs/GaSb heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 20, 370-373.	1.3	21
148	Specific heat study of the Na $_0.3$ CoO $_2$ ·1.3H $_2$ O superconductor: influence of the complex chemistry. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 402, 27-30.	0.6	23
149	Local jamming via penetration of a granular medium. <i>Physical Review E</i> , 2004, 70, 041301.	0.8	98
150	Low-temperature spin freezing in the Dy $_2$ Ti $_2$ O $_7$ spin ice. <i>Physical Review B</i> , 2004, 69, .	1.1	186
151	Field-induced avalanche to the ferromagnetic state in the phase-separated ground state of manganites. <i>Physical Review B</i> , 2004, 70, .	1.1	32
152	Exchange biasing of the ferromagnetic semiconductor Ga $_{1-x}$ Mn $_x$ As. <i>Applied Physics Letters</i> , 2004, 85, 1556-1558.	1.5	53
153	Synthesis of Fe Oxide Core/Au Shell Nanoparticles by Iterative Hydroxylamine Seeding. <i>Nano Letters</i> , 2004, 4, 719-723.	4.5	567
154	Hybrid ferromagnetic/semiconductor heterostructures for spintronics. <i>Solid State Communications</i> , 2003, 127, 173-179.	0.9	27
155	Novel ferromagnetism in digital GaAs/Mn and GaSb/Mn alloys. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 90-98.	1.3	21
156	Double magnetic transition in Pr $_0.5$ Sr $_0.5$ CoO $_3$. <i>Physical Review B</i> , 2003, 68, .	1.1	54
157	Quantum-Classical Reentrant Relaxation Crossover in Dy $_2$ Ti $_2$ O $_7$ Spin Ice. <i>Physical Review Letters</i> , 2003, 91, 107201.	2.9	82
158	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. <i>Applied Physics Letters</i> , 2003, 82, 2302-2304.	1.5	302
159	Synthesis and characterization of superconducting single-crystal Sn nanowires. <i>Applied Physics Letters</i> , 2003, 83, 1620-1622.	1.5	120
160	Capping-induced suppression of annealing effects on Ga $_{1-x}$ Mn $_x$ As epilayers. <i>Applied Physics Letters</i> , 2003, 83, 4568-4570.	1.5	47
161	Coercive field and magnetization deficit in Ga $_{1-x}$ Mn $_x$ As epilayers. <i>Journal of Applied Physics</i> , 2003, 93, 6784-6786.	1.1	33
162	Giant frequency dependence of dynamic freezing in nanocrystalline ferromagnetic LaCo $_0.5$ Mn $_0.5$ O $_3$. <i>Physical Review B</i> , 2003, 68, .	1.1	30

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163	Development of correlations in the dynamics of wet granular avalanches. <i>Physical Review E</i> , 2003, 67, 051303.	0.8	75
164	Quantum Phase Transition in Quasi-One-Dimensional $\text{BaRu}_6\text{O}_{12}$. <i>Physical Review Letters</i> , 2003, 90, 186601.	2.9	51
165	Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi_3 . <i>Physical Review B</i> , 2003, 67, .	1.1	96
166	$\text{Ba}_2\text{LnSbO}_6$ and $\text{Sr}_2\text{LnSbO}_6$ (Ln = Dy, Ho, Gd) double perovskites: Lanthanides in the geometrically frustrating fcc lattice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 8097-8102.	3.3	75
167	Glassy Behavior and Time-Dependent Phenomena. <i>Springer Series in Solid-state Sciences</i> , 2003, , 273-285.	0.3	0
168	Spin-polarized tunneling in hybrid metal-semiconductor magnetic tunnel junctions. <i>Physical Review B</i> , 2002, 66, .	1.1	79
169	Dirty spin ice: The effect of dilution on spin freezing in $\text{Dy}_2\text{Ti}_2\text{O}_7$. <i>Physical Review B</i> , 2002, 66, .	1.1	45
170	Avalanche Dynamics in Wet Granular Materials. <i>Physical Review Letters</i> , 2002, 89, 094301.	2.9	84
171	Ferromagnetic III-V semiconductor multilayers: Manipulation of magnetic properties by proximity effects and interface design (invited). <i>Journal of Applied Physics</i> , 2002, 91, 7490.	1.1	20
172	Above-room-temperature ferromagnetism in GaSb/Mn digital alloys. <i>Applied Physics Letters</i> , 2002, 81, 511-513.	1.5	112
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