

# Peter E Schiffer

## List of Publications by Year in descending order

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233  
papers

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14655

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times ranked

14783  
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Temperature Magnetoresistance and the Magnetic Phase Diagram of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review Letters, 1995, 75, 3336-3339.	7.8	2,081
2	Artificial "spin ice"™ in a geometrically frustrated lattice of nanoscale ferromagnetic islands. Nature, 2006, 439, 303-306.	27.8	729
3	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2010, 466, 954-958.	27.8	668
4	Ferromagnetic semiconductors: moving beyond (Ga,Mn)As. Nature Materials, 2005, 4, 195-202.	27.5	654
5	Synthesis of Fe Oxide Core/Au Shell Nanoparticles by Iterative Hydroxylamine Seeding. Nano Letters, 2004, 4, 719-723.	9.1	567
6	Unequal effects of the COVID-19 pandemic on scientists. Nature Human Behaviour, 2020, 4, 880-883.	12.0	498
7	Thermodynamic and Electron Diffraction Signatures of Charge and Spin Ordering in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ . Physical Review Letters, 1996, 76, 3188-3191.	7.8	434
8	Colloquium: Artificial spin ice: Designing and imaging magnetic frustration. Reviews of Modern Physics, 2013, 85, 1473-1490.	45.6	407
9	Effects of annealing time on defect-controlled ferromagnetism in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ . Applied Physics Letters, 2001, 79, 1495-1497.	3.3	319
10	Highly enhanced Curie temperature in low-temperature annealed [Ga,Mn]As epilayers. Applied Physics Letters, 2003, 82, 2302-2304.	3.3	302
11	Slow Drag in a Granular Medium. Physical Review Letters, 1999, 82, 205-208.	7.8	286
12	Atomically engineered ferroic layers yield a room-temperature magnetoelectric multiferroic. Nature, 2016, 537, 523-527.	27.8	275
13	What keeps sandcastles standing?. Nature, 1997, 387, 765-765.	27.8	273
14	How "spin ice"™ freezes. Nature, 2001, 413, 48-51.	27.8	243
15	Charge-carrier localization induced by excess Fe in the superconductor $\text{Fe}_{1-x}\text{Mn}_x\text{Bi}_2\text{Se}_3$ . Physical Review B, 2009, 80, .	3.2	220
16	Ultrasharp Magnetization Steps in Perovskite Manganites. Physical Review Letters, 2002, 89, 286602.	7.8	214
17	Crystallites of magnetic charges in artificial spin ice. Nature, 2013, 500, 553-557.	27.8	197
18	Low-temperature spin freezing in the $\text{Dy}_2\text{Ti}_2\text{O}_7$ spin ice. Physical Review B, 2004, 69, .	3.2	186

#	ARTICLE	IF	CITATIONS
19	Effect of biaxial strain on the electrical and magnetic properties of (001) La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 2009, 95, .	3.3	184
20	A strong ferroelectric ferromagnet created by means of spin-lattice coupling. Nature, 2011, 476, 114-114.	27.8	183
21	Frustration Induced Spin Freezing in a Site-Ordered Magnet: Gadolinium Gallium Garnet. Physical Review Letters, 1995, 74, 2379-2382.	7.8	167
22	Impurity Band Conduction in a High Temperature Ferromagnetic Semiconductor. Physical Review Letters, 2006, 97, 087208.	7.8	162
23	Transport mechanisms in doped LaMnO <sub>3</sub> : Evidence for polaron formation. Physical Review B, 1997, 56, 5104-5107.	3.2	157
24	Phase separation and low-field bulk magnetic properties of Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . Physical Review B, 2001, 63, .	3.2	150
25	Emergent ice rule and magnetic charge screening from vertex frustration in artificial spin ice. Nature Physics, 2014, 10, 670-675.	16.7	141
26	Jamming and Fluctuations in Granular Drag. Physical Review Letters, 2000, 84, 5122-5125.	7.8	139
27	Saturated ferromagnetism and magnetization deficit in optimally annealed Ga <sub>1-x</sub> Mn <sub>x</sub> As epilayers. Physical Review B, 2002, 66, .	3.2	135
28	Maximum angle of stability in wet and dry spherical granular media. Physical Review E, 1997, 56, R6271-R6274.	2.1	133
29	Interplay between ferromagnetism, surface states, and quantum corrections in a magnetically doped topological insulator. Physical Review B, 2012, 86, .	3.2	133
30	Coexistence of Weak Ferromagnetism and Ferroelectricity in the High Pressure $\text{LiNbO}_3$ -Type Phase of $\text{FeTiO}_3$ . Physical Review Letters, 2009, 103, 047601.	7.8	132
31	Granular drag on a discrete object: Shape effects on jamming. Physical Review E, 2001, 64, 061303.	2.1	130
32	Investigation of the Field Induced Antiferromagnetic Phase Transition in the Frustrated Magnet: Gadolinium Gallium Garnet. Physical Review Letters, 1994, 73, 2500-2503.	7.8	128
33	Synthesis and characterization of superconducting single-crystal Sn nanowires. Applied Physics Letters, 2003, 83, 1620-1622.	3.3	120
34	Effective Temperature in an Interacting Vertex System: Theory and Experiment on Artificial Spin Ice. Physical Review Letters, 2010, 105, 047205.	7.8	117
35	Emergent reduced dimensionality by vertex frustration in artificial spin ice. Nature Physics, 2016, 12, 162-165.	16.7	117
36	Above-room-temperature ferromagnetism in GaSb/Mn digital alloys. Applied Physics Letters, 2002, 81, 511-513.	3.3	112

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37	Unconventional Dynamics in Triangular Heisenberg Antiferromagnet NaCrO <sub>2</sub> . Physical Review Letters, 2006, 97, 167203.	7.8	109
38	Energy Minimization and ac Demagnetization in a Nanomagnet Array. Physical Review Letters, 2008, 101, 037205.	7.8	109
39	Ground State Lost but Degeneracy Found: The Effective Thermodynamics of Artificial Spin Ice. Physical Review Letters, 2007, 98, 217203.	7.8	108
40	Bridging hcp-Ni and Ni <sub>3</sub> C via a Ni <sub>3</sub> C <sub>1-x</sub> Solid Solution: Tunable Composition and Magnetism in Colloidal Nickel Carbide Nanoparticles. Chemistry of Materials, 2011, 23, 2475-2480.	6.7	99
41	Local jamming via penetration of a granular medium. Physical Review E, 2004, 70, 041301.	2.1	98
42	Capillary Magnetic Field Flow Fractionation and Analysis of Magnetic Nanoparticles. Analytical Chemistry, 2005, 77, 5055-5062.	6.5	97
43	Experimental determination of superconducting parameters for the intermetallic perovskite superconductor MgCNi <sub>3</sub> . Physical Review B, 2003, 67, .	3.2	96
44	Chemical Synthesis of Two-Dimensional Iron Chalcogenide Nanosheets: FeSe, FeTe, Fe(Se,Te), and FeTe <sub>2</sub> . Chemistry of Materials, 2009, 21, 3655-3661.	6.7	95
45	Stick-slip fluctuations in granular drag. Physical Review E, 2001, 64, 031307.	2.1	94
46	Magnetic Structure and Ordering of Multiferroic Hexagonal LuFeO <sub>3</sub> . Physical Review Letters, 2015, 114, 217602.	7.8	92
47	Adsorption-controlled molecular-beam epitaxial growth of BiFeO <sub>3</sub> . Applied Physics Letters, 2007, 91, .	3.3	91
48	Zero-point entropy in stuffed spin-ice. Nature Physics, 2006, 2, 249-253.	16.7	89
49	Transport properties of ultra-thin VO <sub>2</sub> films on (001) TiO <sub>2</sub> grown by reactive molecular-beam epitaxy. Applied Physics Letters, 2015, 107, .	3.3	88
50	Two-population model for anomalous low-temperature magnetism in geometrically frustrated magnets. Physical Review B, 1997, 56, 13712-13715.	3.2	87
51	TEM-Induced Structural Evolution in Amorphous Fe Oxide Nanoparticles. Journal of the American Chemical Society, 2006, 128, 12632-12633.	13.7	87
52	Avalanche Dynamics in Wet Granular Materials. Physical Review Letters, 2002, 89, 094301.	7.8	84
53	Quantum-Classical Reentrant Relaxation Crossover in Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Spin Ice. Physical Review Letters, 2003, 91, 107201.	7.8	82
54	Packing grains by thermal cycling. Nature, 2006, 442, 257-257.	27.8	82

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55	Magnetodielectric consequences of phase separation in the colossal magnetoresistance manganite $\text{Pr}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$ . <i>Physical Review B</i> , 2005, 72, .	3.2	81
56	Spin-polarized tunneling in hybrid metal-semiconductor magnetic tunnel junctions. <i>Physical Review B</i> , 2002, 66, .	3.2	79
57	Honeycombs of triangles and magnetic frustration in $\text{Sr}_2\text{LnO}_4$ (L=Gd, Dy, Ho, Er, Tm, and Yb). <i>Physical Review B</i> , 2005, 71, .	3.2	79
58	Development of correlations in the dynamics of wet granular avalanches. <i>Physical Review E</i> , 2003, 67, 051303.	2.1	75
59	$\text{Ba}_2\text{LnSbO}_6$ 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.	7.1	75
60	Electrical and magnetic properties of $(\text{SrMnO}_3)_n \cdot (\text{LaMnO}_3)_{2n}$ superlattices. <i>Applied Physics Letters</i> , 2008, 92, 112508.	3.3	75
61	Strong supercooling and stimulation of the A-B transition in superfluid $\text{He}_3$ . <i>Physical Review Letters</i> , 1992, 69, 120-123.	7.8	74
62	Indications of Intrinsic Chemical and Structural Inhomogeneity in Lightly Doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ . <i>Physical Review Letters</i> , 2002, 88, 207205.	7.8	74
63	Low temperature magnetization of $\text{He}_3$ films. <i>Journal of Low Temperature Physics</i> , 1994, 94, 489-513.	1.4	72
64	Room-Temperature Chemical Synthesis of Shape-Controlled Indium Nanoparticles. <i>Journal of the American Chemical Society</i> , 2008, 130, 8140-8141.	13.7	72
65	Soft Chemical Conversion of Layered Double Hydroxides to Superparamagnetic Spinel Platelets. <i>Chemistry of Materials</i> , 2008, 20, 2374-2381.	6.7	71
66	Optical band gap and magnetic properties of unstrained $\text{EuTiO}_3$ films. <i>Applied Physics Letters</i> , 2009, 94, .	3.3	68
67	Colloidal Synthesis of Non-Equilibrium Wurtzite-type $\text{MnSe}$ . <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4638-4640.	13.8	67
68	Reversible control of magnetic interactions by electric field in a single-phase material. <i>Nature Communications</i> , 2013, 4, 1334.	12.8	67
69	Magnetic relaxation in $\text{La}_{0.25}\text{Pr}_{0.375}\text{Ca}_{0.375}\text{MnO}_3$ with varying phase separation. <i>Physical Review B</i> , 2002, 65, .	3.2	66
70	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). <i>Physical Review B</i> , 2004, 70, .	3.2	66
71	Demagnetization protocols for frustrated interacting nanomagnet arrays. <i>Journal of Applied Physics</i> , 2007, 101, 09J104.	2.5	66
72	Direct entropy determination and application to artificial spin ice. <i>Nature Physics</i> , 2010, 6, 786-789.	16.7	66

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73	Deliberate exotic magnetism via frustration and topology. Nature Physics, 2017, 13, 200-203.	16.7	66
74	Colossal magnetoresistance and charge order in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ (invited). Journal of Applied Physics, 1997, 81, 5337-5342.	2.5	65
75	Epitaxial growth and magnetic properties of the first five members of the layered $\text{Sr}_{n+1}\text{Ru}_n\text{O}_{3n+1}$ oxide series. Applied Physics Letters, 2007, 90, 022507.	3.3	65
76	Magnon thermal conductivity of solid $\text{He}_3$ in the $\text{U}_2\text{D}_2$ antiferromagnetic phase. Physical Review Letters, 1990, 65, 1450-1453.	7.8	63
77	Doping-induced transition from double exchange to charge order in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ near $x=0.50$ . Physical Review B, 1998, 58, 5185-5188.	3.2	63
78	Intrinsic magnetic properties of hexagonal $\text{LuFeO}_3$ and the effects of nonstoichiometry. APL Materials, 2014, 2, 012106.	5.1	63
79	Comparing artificial frustrated magnets by tuning the symmetry of nanoscale permalloy arrays. Physical Review B, 2010, 81, .	3.2	62
80	Getting to the bottom of a granular medium. Nature, 2004, 427, 503-504.	27.8	60
81	Onset of Ferromagnetism in Low-Doped $\text{Ga}_{1-x}\text{Mn}_x\text{O}_3$ . Physical Review Letters, 2007, 99, 227205.		
82	Liquid-induced transitions in granular media. Physical Review E, 1999, 60, 5823-5826.	2.1	58
83	Perpendicular Magnetization and Generic Realization of the Ising Model in Artificial Spin Ice. Physical Review Letters, 2012, 109, 087201.	7.8	58
84	Classical topological order in the kinetics of artificial spin ice. Nature Physics, 2018, 14, 723-727.	16.7	57
85	Low-temperature studies of the NMR frequency shift in superfluid $\text{A}_3$ . Physical Review Letters, 1992, 69, 3096-3099.	7.8	54
86	Double magnetic transition in $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ . Physical Review B, 2003, 68, .	3.2	54
87	Chemical Synthesis of Air-Stable Manganese Nanoparticles. Journal of the American Chemical Society, 2009, 131, 9144-9145.	13.7	54
88	Exchange biasing of the ferromagnetic semiconductor $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ . Applied Physics Letters, 2004, 85, 1556-1558.	3.3	53
89	Magnetic Field Induced Transitions from Spin Glass to Liquid to Long Range Order in a 3D Geometrically Frustrated Magnet. Physical Review Letters, 1999, 82, 3532-3535.	7.8	52
90	Epitaxial growth of $\text{VO}_2$ by periodic annealing. Applied Physics Letters, 2014, 104, .	3.3	52

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91	Frustration by design. <i>Physics Today</i> , 2016, 69, 54-59.	0.3	52
92	Quantum Phase Transition in Quasi-One-Dimensional BaRu <sub>6</sub> O <sub>12</sub> . <i>Physical Review Letters</i> , 2003, 90, 186601.	7.8	51
93	Field-induced phase coexistence in an artificial spin ice. <i>Nature Physics</i> , 2019, 15, 191-195.	16.7	49
94	Anisotropic thermal conduction in the antiferromagnetic spin-ordered phase of solid He <sup>3</sup> . <i>Physical Review B</i> , 1994, 49, 8790-8796.	3.2	48
95	Optimized Synthesis and Magnetic Properties of Intermetallic Au <sub>3</sub> Fe <sub>1-x</sub> , Au <sub>3</sub> Co <sub>1-x</sub> , and Au <sub>3</sub> Ni <sub>1-x</sub> Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 3988-3994.	6.7	48
96	Capping-induced suppression of annealing effects on Ga <sub>1-x</sub> Mn <sub>x</sub> As epilayers. <i>Applied Physics Letters</i> , 2003, 83, 4568-4570.	3.3	47
97	Nonmonotonic Zero-Point Entropy in Diluted Spin Ice. <i>Physical Review Letters</i> , 2007, 99, 137203.	7.8	47
98	Magneto-optical Kerr effect studies of square artificial spin ice. <i>Physical Review B</i> , 2011, 84, .	3.2	47
99	Heat transport in a nuclear antiferromagnet. <i>Physica B: Condensed Matter</i> , 1991, 169, 204-208.	2.7	45
100	Dirty spin ice: The effect of dilution on spin freezing in Dy <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> . <i>Physical Review B</i> , 2002, 66, .	3.2	45
101	Antisite effect on hole-mediated ferromagnetism in (Ga,Mn)As. <i>Physical Review B</i> , 2006, 74, .	3.2	45
102	Adsorption-controlled growth of BiMnO <sub>3</sub> films by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	45
103	Purification and Magnetic Interrogation of Hybrid Au <sub>3</sub> O <sub>4</sub> and FePt <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9875-9879.	13.8	45
104	Low-velocity granular drag in reduced gravity. <i>Physical Review E</i> , 2011, 83, 011305.	2.1	44
105	Direct visualization of memory effects in artificial spin ice. <i>Physical Review B</i> , 2015, 92, .	3.2	44
106	Magnetization and resistivity steps in the phase separated Pr Ca Mn Ni O manganites. <i>European Physical Journal B</i> , 2002, 29, 419-424.	1.5	42
107	Magnetoresistance anomalies in (Ga,Mn)As epilayers with perpendicular magnetic anisotropy. <i>Physical Review B</i> , 2005, 71, .	3.2	42
108	Direct Solution Synthesis, Reaction Pathway Studies, and Structural Characterization of Crystalline Ni <sub>3</sub> B Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 19846-19851.	3.1	42

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109	Structural disorder and properties of the stuffed pyrochlore $\text{Ho}_2\text{TiO}_5$ . <i>Physical Review B</i> , 2007, 76, .	3.2	41
110	Slow Spin Relaxation in a Highly Polarized Cooperative Paramagnet. <i>Physical Review Letters</i> , 2006, 96, 027216.	7.8	40
111	Controlled Assembly of Zero-, One-, Two-, and Three-Dimensional Metal Chalcogenide Structures. <i>Inorganic Chemistry</i> , 2007, 46, 7238-7240.	4.0	40
112	Structure and magnetic properties of the $\text{Ho}_2\text{TiO}_5$ . <i>Physical Review B</i> , 2008, 77, .	3.2	40
113	Magnetization of $\text{He}_3$ on Grafoil in the low-temperature limit. <i>Physical Review Letters</i> , 1993, 71, 1403-1406.	7.8	38
114	Interaction-Induced Spin Coplanarity in a Kagomé Magnet: $\text{SrCr}_9\text{pGa}_{12}\text{p}^9\text{O}_{19}$ . <i>Physical Review Letters</i> , 1996, 77, 2085-2088.	7.8	38
115	Geometrical magnetic frustration in rare-earth chalcogenide spinels. <i>Physical Review B</i> , 2005, 72, .	3.2	38
116	Magnetic structure and properties of the $\text{S}_5\text{Fe}$ antiferromagnet. <i>Physical Review B</i> , 2008, 78, .	3.2	38
117	The adsorption-controlled growth of $\text{LuFe}_2\text{O}_4$ by molecular-beam epitaxy. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	38
118	The physics of sand castles: maximum angle of stability in wet and dry granular media. <i>Physica A: Statistical Mechanics and Its Applications</i> , 1999, 266, 366-371.	2.6	36
119	Low temperature magnetism in the perovskite substrate $\text{DyScO}_3$ . <i>Applied Physics Letters</i> , 2009, 94, .	3.3	36
120	Magnetothermodynamics of the Ising antiferromagnet $\text{Dy}_2\text{Ti}_2\text{O}_7$ . <i>Physical Review B</i> , 2008, 78, .	3.2	35
121	Artificial spin ice: Paths forward. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	35
122	Field-driven phase transitions in a quasi-two-dimensional quantum antiferromagnet. <i>New Journal of Physics</i> , 2007, 9, 31-31.	2.9	34
123	Two-carrier transport in epitaxially grown $\text{MnAs}$ . <i>Physical Review B</i> , 2001, 64, .	3.2	33
124	Coercive field and magnetization deficit in $\text{Ga}_{1-x}\text{Mn}_x\text{As}$ epilayers. <i>Journal of Applied Physics</i> , 2003, 93, 6784-6786.	2.5	33
125	Field-induced avalanche to the ferromagnetic state in the phase-separated ground state of manganites. <i>Physical Review B</i> , 2004, 70, .	3.2	32
126	Understanding magnetotransport signatures in networks of connected permalloy nanowires. <i>Physical Review B</i> , 2017, 95, .	3.2	32



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127	Magnetic frustration squeezed out. Nature, 2002, 420, 35-38.	27.8	31
128	Magnetothermal study of the hybrid frustrated magnet $\text{DyMn}_2\text{O}_7$ . Physical Review B, 2009, 80, .	3.2	31
129	Giant frequency dependence of dynamic freezing in nanocrystalline ferromagnetic $\text{LaCo}_0.5\text{Mn}_0.5\text{O}_3$ . Physical Review B, 2003, 68, .	3.2	30
130	Epitaxial growth of highly-crystalline spinel ferrite thin films on perovskite substrates for all-oxide devices. Scientific Reports, 2015, 5, 10363.	3.3	30
131	A bridge to sandpile stability. Nature Physics, 2005, 1, 21-22.	16.7	29
132	Synthesis and characterization of an n=6 Aurivillius phase incorporating magnetically active manganese, $\text{Bi}_7(\text{Mn,Ti})_6\text{O}_{21}$ . Applied Physics Letters, 2007, 91, 033113.	3.3	29
133	High-Frequency Dynamics Modulated by Collective Magnetization Reversal in Artificial Spin Ice. Physical Review Applied, 2017, 8, .	3.8	29
134	Time dependent effects and transport evidence for phase separation in $\text{La}_0.5\text{Ca}_0.5\text{MnO}_3$ . Journal of Applied Physics, 2000, 87, 5831-5833.	2.5	28
135	Understanding thermal annealing of artificial spin ice. APL Materials, 2019, 7, .	5.1	28
136	Nucleation of the AB transition in superfluid $\text{He}_3$ : Surface effects and baked Alaska. Reviews of Modern Physics, 1995, 67, 491-501.	45.6	27
137	Small Angle Neutron Scattering Studies of the Vortex Lattice in the $\text{UPT}_3$ Mixed State: Direct Structural Evidence for the $\text{B}\hat{\uparrow}\text{C}$ Transition. Physical Review Letters, 1997, 78, 3185-3188.	7.8	27
138	Hybrid ferromagnetic/semiconductor heterostructures for spintronics. Solid State Communications, 2003, 127, 173-179.	1.9	27
139	A study of the magnetic and electrical crossover region of $\text{La}((0.5 \text{ pm } \delta))\text{Ca}((0.5 \text{ mp } \delta))\text{MnO}_3$ . Journal of Physics Condensed Matter, 1999, 11, 4843-4859.	1.8	26
140	Intrinsic exchange biasing in MnAs epilayers grown on (001) GaAs. Applied Physics Letters, 2001, 78, 2530-2532.	3.3	26
141	Spin valve effect in self-exchange biased ferromagnetic metal/semiconductor bilayers. Applied Physics Letters, 2007, 91, .	3.3	26
142	Nanoengineered Curie temperature in laterally patterned ferromagnetic semiconductor heterostructures. Applied Physics Letters, 2005, 86, 152505.	3.3	25
143	Spin-ice behavior in $\text{DyMn}_2\text{O}_7$ . Physical Review Letters, 2005, 95, 077201.	3.2	25
144	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, .	3.2	24

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145	Flux through a hole from a shaken granular medium. <i>Physical Review E</i> , 2006, 74, 011306.	2.1	24
146	Noncollinear spin valve effect in ferromagnetic semiconductor trilayers. <i>Physical Review B</i> , 2007, 76, .	3.2	24
147	Comparing frustrated and unfrustrated clusters of single-domain ferromagnetic islands. <i>Physical Review B</i> , 2010, 82, .	3.2	24
148	Specific heat study of the Na <sub>0.3</sub> CoO <sub>2</sub> ·1.3H <sub>2</sub> O superconductor: influence of the complex chemistry. <i>Physica C: Superconductivity and Its Applications</i> , 2004, 402, 27-30.	1.2	23
149	Tuning magnetic frustration of nanomagnets in triangular-lattice geometry. <i>Applied Physics Letters</i> , 2008, 93, 252504.	3.3	23
150	Magnetic properties of $\text{BaMn}_2\text{S}_2$ in a frustrated lattice geometry. <i>Physical Review B</i> , 2010, 81, .	3.2	22
151	Novel ferromagnetism in digital GaAs/Mn and GaSb/Mn alloys. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 16, 90-98.	2.7	21
152	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.	2.7	21
153	Scaling Theory of Magnetoresistance and Carrier Localization in $\text{Ga}_1\text{Mn}_x$ . <i>Physical Review Letters</i> , 2009, 102, 137203.	7.8	21
154	Granular fragility under thermal cycles. <i>Granular Matter</i> , 2009, 11, 237-242.	2.2	21
155	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.	2.5	20
156	Effects of exchange bias on magnetotransport in permalloy kagome artificial spin ice. <i>New Journal of Physics</i> , 2015, 17, 023047.	2.9	20
157	Quantifying the Immediate Effects of the COVID-19 Pandemic on Scientists. <i>SSRN Electronic Journal</i> , 0, , .	0.4	20
158	Starting to Move through a Granular Medium. <i>Physical Review Letters</i> , 2008, 101, 108001.	7.8	19
159	Interlayer and interfacial exchange coupling in ferromagnetic metal/semiconductor heterostructures. <i>Physical Review B</i> , 2010, 81, .	3.2	19
160	Enhanced electrical and magnetic properties in La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films deposited on CaTiO <sub>3</sub> -buffered silicon substrates. <i>APL Materials</i> , 2015, 3, 062504.	5.1	19
161	Field dependent specific-heat of rare earth manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2000, 218, 191-197.	2.3	18
162	Soft spin waves in the low-temperature thermodynamics of Pr <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , 2000, 62, 13876-13879.	3.2	18

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164	Ignoring Your Neighbors: Moment Correlations Dominated by Indirect or Distant Interactions in an Ordered Nanomagnet Array. Physical Review Letters, 2011, 107, 117204.	7.8	18
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