

Jeffery W Lynn

List of Publications by Year in descending order

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633
papers

28,616
citations

4960

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144
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653
all docs

653
docs citations

653
times ranked

13760
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic order close to superconductivity in the iron-based layered $\text{LaO}_{1-x}\text{F}_x\text{FeAs}$ systems. <i>Nature</i> , 2008, 453, 899-902.	27.8	1,725
2	Magnetic Inversion Symmetry Breaking and Ferroelectricity in TbMnO_3 . <i>Physical Review Letters</i> , 2005, 95, 087206.	7.8	792
3	Neutron-Diffraction Measurements of Magnetic Order and a Structural Transition in the Parent BaFe_2As_2 of FeAs -Based High-Temperature Superconductors. <i>Physical Review Letters</i> , 2008, 101, 257003.	7.8	730
4	Structural and magnetic phase diagram of $\text{CeFeAsO}_{1-x}\text{F}_x$ and its relation to high-temperature superconductivity. <i>Nature Materials</i> , 2008, 7, 953-959.	27.5	706
5	First-order magnetic and structural phase transitions in Fe_2P . <i>Physical Review B</i> , 2009, 79, .	3.2	488
6	Unconventional Ferromagnetic Transition in $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Physical Review Letters</i> , 1996, 76, 4046-4049.	7.8	447
7	Giant Anharmonicity and Nonlinear Electron-Phonon Coupling in MgB_2 : A Combined First-Principles Calculation and Neutron Scattering Study. <i>Physical Review Letters</i> , 2001, 87, 037001.	7.8	381
8	Pressure-induced volume-collapsed tetragonal phase of CaFe_2As_2 seen via neutron scattering. <i>Physical Review B</i> , 2008, 78, .	3.2	335
9	Magnetic order and crystal structure in the superconducting $\text{RNi}_2\text{B}_2\text{C}$ materials. <i>Physical Review B</i> , 1997, 55, 6584-6598.	3.2	320
10	Temperature dependence of the magnetic excitations in iron. <i>Physical Review B</i> , 1975, 11, 2624-2637.	3.2	314
11	Lattice Dynamics of Gold. <i>Physical Review B</i> , 1973, 8, 3493-3499.	3.2	312
12	Structure and Magnetic Ordering of $\text{MII}[\text{N}(\text{CN})_2]_2$ ($\text{M} = \text{Co}, \text{Ni}$). <i>Chemistry of Materials</i> , 1998, 10, 2552-2560.	6.7	299
13	Temperature Dependence of the Magnetic Excitations in Nickel. <i>Physical Review Letters</i> , 1973, 30, 556-559.	7.8	274
14	Structure and magnetic order in undoped lanthanum manganite. <i>Physical Review B</i> , 1997, 55, 14987-14999.	3.2	253
15	Antiferromagnetic ordering of Ru and Gd in superconducting $\text{RuSr}_2\text{GdCu}_2\text{O}_8$. <i>Physical Review B</i> , 2000, 61, R14964-R14967.	3.2	251
16	Spin chirality on a two-dimensional frustrated lattice. <i>Nature Materials</i> , 2005, 4, 323-328.	27.5	243
17	Direct visualization of the Jahn-Teller effect coupled to Na ordering in $\text{Na}_5/8\text{MnO}_2$. <i>Nature Materials</i> , 2014, 13, 586-592.	27.5	237
18	Large anomalous Hall effect in a half-Heusler antiferromagnet. <i>Nature Physics</i> , 2016, 12, 1119-1123.	16.7	232

#	ARTICLE	IF	CITATIONS
19	Charge Ordering and Polaron Formation in the Magnetoresistive Oxide $\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$. Physical Review Letters, 2000, 85, 3954-3957.	7.8	218
20	Non-Fermi-Liquid Scaling of the Magnetic Response in $\text{UCu}_5\hat{x}\text{Pd}_x(x=1,1.5)$. Physical Review Letters, 1995, 75, 725-728.	7.8	207
21	Magnetic order of Pr in $\text{PrBa}_2\text{Cu}_3\text{O}_7$. Physical Review B, 1989, 40, 5300-5303.	3.2	206
22	Spin Dynamics and Orbital State in LaTiO_3 . Physical Review Letters, 2000, 85, 3946-3949.	7.8	187
23	Heavy Fermion Superconductivity in the Filled Skutterudite Compound $\text{PrOs}_4\text{Sb}_{12}$. Journal of the Physical Society of Japan, 2002, 71, 23-28.	1.6	185
24	Spin and lattice structures of single-crystalline SrFe_2As_2 . Physical Review B, 2008, 78, .	3.2	184
25	Spontaneous spin-lattice coupling in the geometrically frustrated triangular lattice antiferromagnet CuFeO_2 . Physical Review B, 2006, 73, .	3.2	181
26	Phase diagram of SrFe_2As_2 in an in-plane magnetic field. Physical Review B, 2017, 95, .	3.2	178
27	Charge Melting and Polaron Collapse in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. Physical Review Letters, 1999, 83, 4393-4396.	7.8	172
28	Calculations of the dynamic susceptibility of nickel and iron. Physical Review B, 1980, 21, 4118-4131.	3.2	169
29	Coupling between electronic and structural degrees of freedom in the triangular lattice conductor Na_xCoO_2 . Physical Review B, 2004, 70, .	3.2	167
30	Observation of Oscillatory Magnetic Order in the Antiferromagnetic Superconductor $\text{HoNi}_2\text{B}_2\text{C}$. Physical Review Letters, 1994, 73, 2756-2759.	7.8	166
31	Topological PdBi half-Heusler semimetals: A new family of noncentrosymmetric magnetic superconductors. Science Advances, 2015, 1, e1500242.	10.3	166
32	Long-Range Magnetic Order in $\text{Mn}[\text{N}(\text{CN})_2]_2(\text{pyz})$ {pyz = pyrazine}. Susceptibility, Magnetization, Specific Heat, and Neutron Diffraction Measurements and Electronic Structure Calculations. Journal of the American Chemical Society, 2001, 123, 162-172.	13.7	164
33	Lattice collapse and quenching of magnetism in CaFe_2As_2 under pressure: A single-crystal neutron and x-ray diffraction investigation. Physical Review B, 2009, 79, .	3.2	164
34	Incommensurate magnetic structure of CeRhIn_5 . Physical Review B, 2000, 62, R14621-R14624.	3.2	163
35	Low Energy Spin Waves and Magnetic Interactions in SrFe_2As_2 . Physical Review Letters, 2008, 101, 167203.	7.8	161
36	Intergranular Giant Magnetoresistance in a Spontaneously Phase Separated Perovskite Oxide. Physical Review Letters, 2005, 94, 037201.	7.8	160

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37	Neutron-diffraction study of antiferromagnetic order in the magnetic superconductor ErNi ₂ B ₂ C. Physical Review B, 1995, 51, 681-684.	3.2	155
38	Low temperature phase transitions and crystal structure of Na _{0.5} CoO ₂ . Journal of Physics Condensed Matter, 2004, 16, 5803-5814.	1.8	151
39	Magnetic Order and Spin Dynamics in Ferroelectric HoMnO ₃ . Physical Review Letters, 2005, 94, 087601.	7.8	151
40	Superheating and Supercooling of Vortex Matter in a Nb Single Crystal: Direct Evidence for a Phase Transition at the Peak Effect from Neutron Diffraction. Physical Review Letters, 2001, 86, 712-715.	7.8	146
41	Observation of Magnetic Monopoles in Spin Ice. Journal of the Physical Society of Japan, 2009, 78, 103706.	1.6	146
42	Structure and magnetic order in La _{1-x} CaxMnO ₃ (0 < x < 0.33). Physical Review B, 1998, 58, 2684-2691.	3.2	145
43	Structural collapse and superconductivity in rare-earth-doped CaFe ₂ As ₂ . Tuning the range, magnitude, and sign of the thermal expansion in intermetallic Mn ₃ (Zn, Tj)ETQq ₀ O ₀ rgBT / Overlock 10 Tf 50 467 Td	3.2	145
44	Neutron studies of the iron-based family of high TC magnetic superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 469-476.	1.2	140
45	Magnetic ordering of Nd in (Nd,Ce) ₂ CuO ₄ . Physical Review B, 1990, 41, 2569-2572.	3.2	139
47	Neutron scattering and magnetic studies of ferrihydrite nanoparticles. Physical Review B, 2000, 61, 3513-3518.	3.2	135
48	Crystal Structure and Antiferromagnetic Order in NdFeAsO _{1-x}		

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55	Magnetic phase transitions and structural distortion in Nd ₂ CuO ₄ . Physica C: Superconductivity and Its Applications, 1989, 160, 124-128.	1.2	117
56	Charge, orbital and spin ordering phenomena in the mixed valence manganite (NaMn ₃₊₃)(Mn ₃₊₂ Mn ₄₊₂)O ₁₂ . Nature Materials, 2004, 3, 48-52.	27.5	115
57	Competition between Ferromagnetism and Superconductivity in HoMo ₆ S ₈ . Physical Review Letters, 1981, 46, 368-371.	7.8	114
58	Resonance in the electron-doped high-transition-temperature superconductor Pr _{0.88} LaCe _{0.12} CuO _{4-δ} . Nature, 2006, 442, 59-62.	27.8	112
59	Temperature and field dependence of the phase separation, structure, and magnetic ordering in La _{1-x} Ca _x MnO ₃ (x=0.47, 0.50, and 0.53). Physical Review B, 2000, 61, 8895-8905.	3.2	110
60	Non-Griffiths-like clustered phase above the Curie temperature of the doped perovskite cobaltite $\text{La}_{1-x}\text{Sr}_x\text{Co}_{1-y}\text{Ni}_y\text{O}_{3-\delta}$	3.2	110
61	Antiferromagnetic order as the competing ground state in electron-doped Nd _{1.85} Ce _{0.15} CuO ₄ . Nature, 2003, 423, 522-525.	27.8	108
62	Neutron-scattering study of the "one-dimensional" conductor K ₂ Pt(CN) ₄ Br _{0.3} ·2D ₂ O (KCP). Physical Review B, 1975, 12, 1154-1166.	3.2	107
63	Double-Focusing Thermal Triple-Axis Spectrometer at the NCTR. Journal of Research of the National Institute of Standards and Technology, 2012, 117, 60.	1.2	107
64	Structure and dynamics of superconducting Na _x CoO ₂ hydrate and its unhydrated analog. Physical Review B, 2003, 68, .	3.2	106
65	Noncollinear antiferromagnetic structure of the molecule-based magnet Mn[N(CN) ₂] ₂ . Physical Review B, 2000, 62, 5576-5588.	3.2	103
66	Doping evolution of antiferromagnetic order and structural distortion in LaFeAsO _{1-x} F _x . Physical Review B, 2008, 78, .	3.2	103
67	Intrinsic localized modes observed in the high-temperature vibrational spectrum of NaI. Physical Review B, 2009, 79, .	3.2	103
68	Competing magnetic phases and fluctuation-driven scalar spin chirality in the kagome metal YMn ₆ Sn ₆ . Science Advances, 2020, 6, .	10.3	103
69	Intrinsic properties of stoichiometric LaFePO. Physical Review B, 2008, 78, .	3.2	102
70	Neutron Scattering Investigation of Magnetic Bilayer Correlations in La _{1.2} Sr _{1.8} Mn ₂ O ₇ : Evidence of Canting above T _C . Physical Review Letters, 1998, 81, 3964-3967.	7.8	99
71	Inhomogeneous magnetism in La-doped CaMnO ₃ . I. Mesoscopic phase separation due to lattice-coupled ferromagnetic interactions. Physical Review B, 2003, 68, .	3.2	98
72	MACS- ϵ : a new high intensity cold neutron spectrometer at NIST. Measurement Science and Technology, 2008, 19, 034023.	2.6	98

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73	Phonon localization drives polar nanoregions in a relaxor ferroelectric. Nature Communications, 2014, 5, 3683.	12.8	98
74	Direct observation of long range ferromagnetic order in the reentrant superconductor HoMo6S8. Solid State Communications, 1978, 26, 493-496.	1.9	96
75	Oxygen dependence of the crystal structure of $\text{HgBa}_2\text{CuO}_4$ and its relation to superconductivity. Physical Review B, 1995, 52, 462-470.	3.2	93
76	Observation of noncollinear magnetic structure for the Cu spins in Nd_2CuO_4 -type systems. Physical Review B, 1993, 47, 6173-6176.	3.2	91
77	Giant electromechanical coupling of relaxor ferroelectrics controlled by polar nanoregion vibrations. Science Advances, 2016, 2, e1501814.	10.3	91
78	Structure and magnetism of single crystal $\text{Sr}_4\text{Ru}_3\text{O}_{10}$ ferromagnetic triple-layer ruthenate. Physical Review B, 2002, 65, .	3.2	90
79	Structural and magnetic properties of the single-layer manganese oxide $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$. Physical Review B, 2005, 71, .	3.2	90
80	Structural anomalies at the magnetic and ferroelectric transitions in RMn_2O_5 (R=Tb,Dy,Ho). Physical Review B, 2006, 73, .	3.2	89
81	Influence of electron doping on the ground state of Sr_2RuO_4 . Physical Review B, 2015, 92, .	3.2	89
82	Magnetic fluctuations and two-dimensional ordering in $\text{ErBa}_2\text{Cu}_3\text{O}_7$. Physical Review B, 1987, 36, 2374-2377.	3.2	88
83	Coexistence and Competition of the Short-Range Incommensurate Antiferromagnetic Order with the Superconducting State of BaFe_2As_2 . Physical Review B, 2011, 83, 040408.	7.8	88
84	Synthesis and characterization of bulk Nd_2CuO_4 . Physical Review B, 1993, 47, 11511-11514.	2.4	87
85	Class Transition in the Polaron Dynamics of Colossal Magnetoresistive Manganites. Physical Review Letters, 2002, 89, 036401.	7.8	85
86	Inhomogeneous magnetism in La-doped CaMnO_3 . II. Nanometric-scale spin clusters and long-range spin canting. Physical Review B, 2003, 68, .	3.2	83
87	Neutron scattering study of the magnetic excitations in ferromagnetic iron at high energy transfers. Journal of Applied Physics, 1984, 55, 1895-1897.	2.5	81
88	Neutron-powder-diffraction study of the nuclear and magnetic structures of $\text{YBa}_2\text{Fe}_3\text{O}_8$ at room temperature. Physical Review B, 1992, 45, 9611-9619.	3.2	81
89	Magnetic properties of the reentrant ferromagnetic superconductor HoMo6S8. Physical Review B, 1981, 24, 3817-3829.	3.2	80
90	Magnetic ordering of Sm in Sm_2CuO_4 . Physical Review Letters, 1992, 68, 2228-2231.	7.8	80

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91	Honeycombs of triangles and magnetic frustration in Sr ₂ LnO ₄ (L=Gd, Dy, Ho, Er, Tm, and Yb). Physical Review B, 2005, 71, .	3.2	79
92	Magnetic structure and spin dynamics of the Pr and Cu in Pr ₂ CuO ₄ . Physical Review B, 1995, 51, 5824-5839.	3.2	78
93	Spin Correlations and Magnetic Order in Nonsuperconducting Nd _{2-x} Ce _x CuO ₄ . Physical Review Letters, 2004, 93, 027002.	7.8	78
94	Nature of the Magnetic Order of Cu in Oxygen-Deficient NdBa ₂ Cu ₃ O _{6-x} . Physical Review Letters, 1988, 60, 2781-2784.	7.8	76
95	Observation of long range magnetic order in the reentrant superconductor HoMo ₆ S ₈ . Journal De Physique (Paris), Lettres, 1981, 42, 45-49.	2.8	75
96	Structure and spin dynamics of La _{0.85} Sr _{0.15} MnO ₃ . Physical Review B, 1998, 58, 14913-14921.	3.2	73
97	Oxygen displacements and search for magnetic order in Sr ₃ Ru ₂ O ₇ . Physical Review B, 1998, 58, 8515-8521.	3.2	73
98	Electron-doping evolution of the low-energy spin excitations in the iron arsenide superconductor BaFe_2As_2 . Physical Review B, 2010, 81, .	3.2	73
99	2D and 3D magnetic behavior of Er in ErBa ₂ Cu ₃ O ₇ . Physical Review Letters, 1989, 63, 2606-2609.	7.8	72
100	Neutron Scattering Studies of spin excitations in hole-doped Ba _{0.67} K _{0.33} Fe ₂ As ₂ superconductor. Scientific Reports, 2011, 1, 115.	3.3	72
101	Neutron Scattering Study of Novel Magnetic Order in Na _{0.5} CoO ₂ . Physical Review Letters, 2006, 96, 046403.	7.8	70
102	A comparison of united atom, explicit atom, and coarse-grained simulation models for poly(ethylene) Tj ETQq0 0 0 ggBT /Overlock 10 Tf	3.0	69
103	Singular angular magnetoresistance in a magnetic nodal semimetal. Science, 2019, 365, 377-381.	12.6	69
104	BaNi ₂ V ₂ O ₈ : a two-dimensional honeycomb antiferromagnet. Physical Review B, 2002, 65, .	3.2	68
105	Coupled Magnetic and Ferroelectric Domains in Multiferroic $\text{Ni}_3\text{V}_2\text{O}_8$. Physical Review Letters, 2009, 103, 087201.	7.8	67
106	First-order nature of the ferromagnetic phase transition in (La _{1-x} Ca _x)MnO ₃ near optimal doping. Physical Review B, 2004, 70, .	3.2	66
107	Origin and tuning of the magnetocaloric effect in the magnetic refrigerant $\text{La}_2\text{Ni}_3\text{Mn}_2\text{O}_{12}$.		

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109	Spin Valve Effect and Magnetoresistivity in Single Crystalline Ca_3O_7 . Physical Review Letters, 2000, 100, 247202.	7.8	63
110	Spin gap and magnetic resonance in superconducting BaFe_2O_7 . Physical Review B, 2009, 79, .	3.2	63
111	Lattice Distortion and Magnetic Quantum Phase Transition in CeFeAsO_x . Physical Review Letters, 2010, 104, 017204.	7.8	63
112	Antiferromagnetic ordering in superconducting and oxygen-deficient nonsuperconducting $\text{RBa}_2\text{Cu}_3\text{O}_{7-x}$ compounds (R=Nd and Sm). Physical Review B, 1989, 40, 10963-10972.	3.2	61
113	Neutron-powder-diffraction study of the nuclear and magnetic structures of the antiferromagnetic superconductor $\text{HoNi}_2\text{B}_2\text{C}$. Physical Review B, 1995, 51, 3701-3708.	3.2	61
114	Measurements of the magnetic excitations above T_c in iron and nickel (invited). Journal of Applied Physics, 1985, 57, 3006-3011.	2.5	60
115	Multiferroicity in doped hexagonal LuFeO_3 . Physical Review B, 2015, 92, .	3.2	60
116	Temperature-Dependent Sinusoidal Magnetic Order in the Superconductor HoMo_6Se_8 . Physical Review Letters, 1984, 52, 133-136.	7.8	59
117	Spiral magnetic structure of Fe in Van der Waals gapped FeOCl and polyaniline-intercalated FeOCl . Physical Review B, 2000, 62, 14157-14163.	3.2	59
118	Direct Observation of Spontaneous Weak Ferromagnetism in the Superconductor $\text{ErNi}_2\text{B}_2\text{C}$. Physical Review Letters, 2001, 87, 107001.	7.8	59
119	Magnetic order in $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ superconductors. Physical Review B, 2002, 66, .	3.2	59
120	Carbon concentration dependence of the superconducting transition temperature and structure of MgC_xNi_3 . Solid State Communications, 2002, 121, 73-77.	1.9	58
121	Magnetic and electronic characterization of quasi-one-dimensional La_3RuO_7 . Physical Review B, 1999, 60, 9573-9578.	3.2	57
122	Complex magnetic order in the kagomé staircase compound $\text{Co}_3\text{V}_2\text{O}_8$. Physical Review B, 2006, 74, .	3.2	57
123	Antiferromagnetic order of Cu in Sm_2CuO_4 . Journal of Applied Physics, 1991, 69, 4866-4868.	2.5	56
124	Anisotropic three-dimensional magnetic fluctuations in heavy fermion CeRhIn_5 . Physical Review B, 2002, 65, .	3.2	56
125	Crystalline Electric Field as a Probe for Long-Range Antiferromagnetic Order and Superconducting State of CeFeAsO_x . Physical Review Letters, 2008, 101, 217002.	7.8	56
126	Crystal structure of annealed and as-prepared $\text{HgBa}_2\text{CaCu}_2\text{O}_{6+x}$ superconductors. Physica C: Superconductivity and Its Applications, 1993, 218, 356-364.	1.2	55

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127	Local structure and oxide-ion motion in defective perovskites. Solid State Ionics, 1994, 68, 193-211.	2.7	55
128	Antiferromagnetic critical pressure in URu_2Si_2 under hydrostatic conditions. Physical Review B, 2010, 82, .	3.2	55
129	Spin dynamics of strongly doped $La_{1-x}Sr_xMnO_3$. Journal of Applied Physics, 1998, 83, 7342-7344.	2.5	54
130	Antiferromagnetic order and superlattice structure in nonsuperconducting and superconducting $RbFe_2Se_2$. Physical Review B, 2011, .	3.2	54
131	Magnetic correlations and crystal-field levels in the superconductor $(Ce_{0.73}Ho_{0.27})Ru_2$. Physical Review B, 1980, 21, 70-78.	3.2	53
132	Synthesis, structure and physical properties of Ru ferrites: $BaMRu_5O_{11}$ (M=Li and Cu) and $BaM_2Ru_4O_{11}$ ($M^{2+}=Mn, Fe$ and Co). Journal of Solid State Chemistry, 2006, 179, 563-572.	2.9	53
133	From antiferromagnetic insulator to correlated metal in pressurized and doped $LaMnPO$. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1815-9.	7.1	53
134	Long-range antiferromagnetic order of the Cu in oxygen-deficient $RBa_2Cu_3O_{6+x}$. Physical Review B, 1988, 37, 9844-9847.	3.2	52
135	Two-Dimensional Magnetic Correlations and Partial Long-Range Order in Geometrically Frustrated $YRuO_4$. Physical Review Letters, 2013, 110, 017202.	7.8	52
136	Magnetic structure and spin reorientation of the Mn ions in $NdMnO_3$. Journal of Applied Physics, 2000, 87, 5822-5824.	2.5	51
137	Structural transition in $NaxCoO_2$ with x near 0.75 due to Na rearrangement. Physical Review B, 2004, 70, .	3.2	51
138	Order and dynamics of intrinsic nanoscale inhomogeneities in manganites. Physical Review B, 2007, 76, .	3.2	51
139	Intrinsic anharmonic localization in thermoelectric $PbSe$. Nature Communications, 2019, 10, 1928.	12.8	51
140	Dzyaloshinskii-Moriya interaction and spin reorientation transition in the frustrated kagome lattice antiferromagnet. Physical Review B, 2011, 83, .	3.2	50
141	Electronically competing phases and their magnetic field dependence in electron-doped nonsuperconducting and superconducting $Pr_{0.88}La_{0.12}CuO_4$. Physical Review B, 2005, 71, .	3.2	49
142	Origin of Electric-Field-Induced Magnetization in Multiferroic $HoMnO_3$. Physical Review Letters, 2010, 104, 147204.	7.8	49
143	Spin-Flop Transition and the Anisotropic Magnetoresistance of $Pr_{1.3}La_{0.7}Ce_xCuO_4$: Unexpectedly Strong Spin-Charge Coupling in the Electron-Doped Cuprates. Physical Review Letters, 2004, 92, 227003.	7.8	48
144	Neutron-scattering study of the oxypnictide superconductor $LaFeAsO_{1-x}$. Physical Review B, 2008, 78, .	3.2	48

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145	Applications of ^3He neutron spin filters at the NCNR. <i>Physica B: Condensed Matter</i> , 2009, 404, 2663-2666.	2.7	48
146	Interplay of Fe and Nd magnetism in NdFeAsO single crystals. <i>Physical Review B</i> , 2010, 82, .	3.2	48
147	Long-wavelength spin-wave energies and linewidths of the amorphous Invar alloy $\text{Fe}_{100-x}\text{B}_x$. <i>Physical Review B</i> , 1987, 36, 8497-8511.	3.2	47
148	Temperature dependent neutron powder diffraction study of the Laves phase compound TbCo_2 . <i>Journal of Alloys and Compounds</i> , 2005, 390, 21-25.	5.5	47
149	Specific heat and magnetic susceptibility of the spinels GeNi_2 and GeCo_2 . <i>Physical Review B</i> , 2008, 78, .	3.2	47
150	Magnetic phase diagram of magnetoelectric LiMnPO_4 . <i>Physical Review B</i> , 2012, 85, .	3.2	47
151	Magnetic, structural, and spin dynamical properties of $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$. <i>Journal of Applied Physics</i> , 1997, 81, 5488-5490.	2.5	46
152	Structure of nanoscale polaron correlations in $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2001, 65, .	3.2	46
153	Fate of the Peak Effect in a Type-II Superconductor: Multicriticality in the Bragg-Glass Transition. <i>Physical Review Letters</i> , 2003, 91, 167003.	7.8	46
154	Magnetic phase diagrams of the $\text{Ln}(\text{Mn}_{1-x}\text{Co}_x)\text{O}_3$ ($\text{Ln}=\text{Eu}, \text{Nd}, \text{Y}$) systems. <i>Journal of Applied Physics</i> , 2000, 88, 360-367.	2.5	45
155	Evolution of Spin-Wave Excitations in Ferromagnetic Metallic Manganites. <i>Physical Review Letters</i> , 2006, 96, 047204.	7.8	45
156	Coupled structural/magnetocrystalline anisotropy transitions in the doped perovskite cobaltite $\text{Pr}_{1-x}\text{Ca}_x\text{Co}_2\text{O}_7$. <i>Physical Review B</i> , 2009, 79, .	3.2	45
157	Doping fluctuation-driven magneto-electronic phase separation in $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$ single crystals. <i>Europhysics Letters</i> , 2009, 87, 27006.	2.0	45
158	Distinguishing pairing symmetries by neutron spin resonance in superconducting NaFe_3As_5 . <i>Physical Review B</i> , 2011, 84, .	3.2	45
159	Magnetic structures and dynamics of multiferroic systems obtained with neutron scattering. <i>Npj Quantum Materials</i> , 2016, 1, .	5.2	45
160	Sixfold enhancement of superconductivity in a tunable electronic nematic system. <i>Nature Physics</i> , 2020, 16, 346-350.	16.7	45
161	SANS polarization analysis with nuclear spin-polarized ^3He . <i>Journal of Applied Crystallography</i> , 2000, 33, 771-774.	4.5	44
162	Synthesis and properties of the double perovskites La_2NiVO_6 , La_2CoVO_6 , and $\text{La}_2\text{CoTiO}_6$. <i>Journal of Solid State Chemistry</i> , 2007, 180, 75-83.	2.9	44

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163	Quadrupole Order in the Frustrated Pyrochlore $\text{Tb}_2\text{Ti}_2\text{O}_7$. Physical Review Letters, 2016, 116, 217201.	7.8	43
164	Magnetic structure of the heavy fermion alloy $\text{CeCu}_5.5\text{Au}_0.5$. Physica B: Condensed Matter, 1994, 199-200, 47-48.	2.7	43
165	Novel Coexistence of Superconductivity with Two Distinct Magnetic Orders. Physical Review Letters, 2005, 95, 217002.	7.8	43
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