

Andrew Boothroyd

List of Publications by Year in descending order

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papers

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citations

44042

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235
docs citations

235
times ranked

7365
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Coulomb Phase in the Spin Ice $\text{Ho}_2\text{Ti}_2\text{O}_7$. Science, 2009, 326, 415-417.	6.0	485
2	A ferroelectric-like structural transition in a metal. Nature Materials, 2013, 12, 1024-1027.	13.3	343
3	Structure and superconductivity of LiFeAs. Chemical Communications, 2008, , 5918.	2.2	278
4	Patterning of sodium ions and the control of electrons in sodium cobaltate. Nature, 2007, 445, 631-634.	13.7	208
5	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. Nature Materials, 2013, 12, 1028-1032.	13.3	163
6	Direct Observation of Orbital Ordering in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ Using Soft X-ray Diffraction. Physical Review Letters, 2003, 91, 167205.	2.9	144
7	Ideal Weyl semimetal induced by magnetic exchange. Physical Review B, 2019, 100, .	1.1	130
8	Crystal-field excitations in Nd_2CuO_4 , Pr_2CuO_4 , and related d -type superconductors. Physical Review B, 1992, 45, 10075-10086.	1.1	117
9	High-energy spin excitations in BaFe_2As_2 by inelastic neutron scattering. Physical Review B, 2008, 78, .	11.3	113
10	Coexistence of incommensurate magnetism and superconductivity in Fe_1Te . Physical Review B, 2009, 80, .	1.1	114
11	Ferromagnetic In-Plane Spin Fluctuations in Na_xCoO_2 Observed by Neutron Inelastic Scattering. Physical Review Letters, 2004, 92, 197201.	2.9	112
12	Observation of Orbital Currents in CuO. Science, 2011, 332, 696-698.	6.0	108
13	Three-Dimensional Spin Fluctuations in $\text{Na}_{0.75}\text{CoO}_2$. Physical Review Letters, 2005, 94, 157206.	2.9	99
14	Femtosecond Dynamics of the Collinear-to-Spiral Antiferromagnetic Phase Transition in CuO. Physical Review Letters, 2012, 108, 037203.	2.9	98
15	Tuning the superconducting and magnetic properties of $\text{Fe}_y\text{Te}_{1-y}\text{Se}_y$ by varying the iron content. Physical Review B, 2010, 82, .	1.1	94
16	Strong spin fluctuations in FeSe by neutron spectroscopy. Physical Review B, 2015, 91, .	1.1	93
17	Photoinduced Melting of Antiferromagnetic Order in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ Using Ultrafast Resonant Soft X-Ray Diffraction. Physical Review Letters, 2011, 106, 217401.	2.9	89
18	Ultrafast Electronic Phase Transition in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$: Coherent Vibrational Excitation: Evidence for Nonthermal Melting of Orbital Order. Physical Review Letters, 2008, 101, 197404.	2.9	85

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19	Femtoscale Magnetically Induced Lattice Distortions in Multiferroic TbMnO ₃ . Science, 2011, 333, 1273-1276.	6.0	85
20	Antiferromagnetic spin fluctuations in LiFeAs observed by neutron scattering. Physical Review B, 2011, 83, .	1.1	85
21	Inherent spin excitations in SrFe ₂ As ₂ measured by Soft X-Ray Resonant Magnetic Diffraction. Physical Review Letters, 2009, 103, 097402.	1.1	84
22	Soft X-Ray Resonant Magnetic Diffraction. Physical Review Letters, 2003, 90, 187201.	2.9	81
23	Ultrafast Coupling between Light, Coherent Lattice Vibrations, and the Magnetic Structure of Semicovalent LaMnO ₃ . Physical Review Letters, 2009, 103, 097402.	2.9	81
24	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals MnBi ₂ As and MnBi ₂ Te.	1.1	81
25	All-in/all-out Magnetic Order and Propagating Spin Waves in SmO ₇ . Physical Review Letters, 2016, 117, 087201.	2.9	74
26	Coupling of magnetic order and charge transport in the candidate Dirac semimetal EuCd ₂ . Physical Review B, 2018, 97, .	1.1	73
27	A Multiferroic Investigation of the spin state of Co in LaCoO ₈ . Physical Review B, 2008, 77, .	2.9	74
28	Ab initio calculations and high-resolution photoemission spectroscopy of single crystals. Physical Review B, 2008, 77, .	1.1	73
29	Ir ₃ O ₂ . Physical Review B, 2008, 77, .	1.1	71
30	Small-angle neutron scattering from star-branched polymers in the molten state. Macromolecules, 1989, 22, 681-686.	2.2	67
31	The full magnon spectrum of yttrium iron garnet. Npj Quantum Materials, 2017, 2, .	1.8	66
32	Observation of three-dimensional Heisenberg-like ferromagnetism in single crystal La _{0.875} Sr _{0.125} MnO ₃ . Physical Review B, 2003, 68, .	1.1	63
33	Novel Pr-Cu Magnetic Phase at Low Temperature in PrBa ₂ Cu ₃ O _{6+x} Observed by Neutron Diffraction. Physical Review Letters, 1997, 78, 130-133.	2.9	61
34	Anisotropic Local Modification of Crystal Field Levels in Pr-Based Pyrochlores: A Muon-Induced Effect Modeled Using Density Functional Theory. Physical Review Letters, 2015, 114, 017602.	2.9	61
35	Resonant soft x-ray scattering investigation of orbital and magnetic ordering in La _{0.5} Sr _{1.5} MnO ₄ . Physical Review B, 2005, 71, .	1.1	58
36	Nature of the Magnetic Order and Origin of Induced Ferroelectricity in TbMnO ₃ . Physical Review Letters, 2009, 103, 207602.	2.9	57

#	ARTICLE	IF	CITATIONS
37	High-temperature electromagnons in the magnetically induced multiferroic cupric oxide driven by intersublattice exchange. Nature Communications, 2014, 5, 3787.	5.8	57
38	An hour-glass magnetic spectrum in an insulating, hole-doped antiferromagnet. Nature, 2011, 471, 341-344.	13.7	56
39	Crystal field excitations in Nd ²⁺ xCeCuO ₄ . Physica C: Superconductivity and Its Applications, 1990, 165, 17-24.	0.6	53
40	Phonons and superconductivity in Bi ₂ Sr ₂ CaCu ₂ O ₈ . Physical Review Letters, 1992, 69, 2272-2275.	2.9	53
41	Crystal field states of Pr ³⁺ in the candidate quantum spin ice Pr ₃ Ir ₂ O ₇ . Physical Review Letters, 2015, 115, 087201.	1.1	53
42	Incommensurate One-Dimensional Fluctuations in YBa ₂ Cu ₃ O _{6.93} . Physical Review Letters, 1996, 77, 370-373.	2.9	52
43	Critical behavior of La ^{1-x} Sr _x MnO ₃ (0 ≤ x ≤ 0.35) by thermal diffusivity measurements. Physical Review B, 2004, 70, .	1.1	52
44	Spin dynamics in stripe-ordered La _{5/3} Sr _{1/3} NiO ₄ . Physical Review B, 2003, 67, .	1.1	51
45	Temperature coefficients for the chain dimensions of polystyrene and polymethylmethacrylate. Journal of Chemical Physics, 1993, 99, 9135-9144.	1.2	50
46	Nature of the Magnetic Order in the Charge-Ordered Cuprate La _{1.48} Nd _{0.4} Sr _{0.12} CuO ₄ . Physical Review Letters, 2007, 98, 197003.	2.9	49
47	Microstructural analysis of phase separation in iron chalcogenide superconductors. Superconductor Science and Technology, 2012, 25, 084023.	1.8	49
48	Mapping spin-wave dispersions in stripe-ordered La ^{2-x} Sr _x NiO ₄ (x=0.275, 0.333). Physical Review B, 2005, 72, .	1.1	48
49	X-ray scattering study of the order parameters in multiferroic TbMnO ₃ . Physical Review B, 2007, 76, .	1.1	47
50	Crystal growth of spin-ice pyrochlores by the floating-zone method. Journal of Crystal Growth, 2011, 318, 1053-1056.	0.7	47
51	Evidence of quantum dimer excitations in Sr ₃ Ir ₂ O ₇ . Physical Review B, 2015, 92, .	1.1	44
52	Principles of Neutron Scattering from Condensed Matter. , 2020, , .		44
53	Circularly Polarized X Rays as a Probe of Noncollinear Magnetic Order in Multiferroic TbMnO ₃ . Physical Review Letters, 2009, 102, 237205.	2.9	42
54	On the magnetic structure of Sr ₃ Ir ₂ O ₇ : an x-ray resonant scattering study. Journal of Physics Condensed Matter, 2012, 24, 312202.	0.7	41

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55	<p>the pyrochlore spin liquid</p> <p>importance of</p>	1.1	41
56	<p>in</p> <p>by magnetic critical scattering experiments. Physical Review B, 2015, 92, .</p>	1.1	41
57	<p>Bilayer manganites reveal polarons in the midst of a metallic breakdown. Nature Physics, 2011, 7, 978-982.</p>	6.5	40
58	<p>Restoration of the third law in spin ice thin films. Nature Communications, 2014, 5, 3439.</p>	5.8	40
59	<p>Magnetic order and dynamics of the charge-ordered antiferromagnet</p> <p>Physical Review B, 2009, 80, .</p>	1.1	39
60	<p>Electric field control of chiral magnetic domains in the high-temperature multiferroic CuO. Physical Review B, 2012, 85, .</p>	1.1	38
61	<p>Evidence for Extreme Gap Anisotropy in Ho_{0.1}Y_{0.9}Ba₂Cu₃O₇ from Neutron Spectroscopy of Ho³⁺. Physical Review Letters, 1996, 77, 1600-1603.</p>	2.9	36
62	<p>Spin Correlations among the Charge Carriers in an Ordered Stripe Phase. Physical Review Letters, 2003, 91, 257201.</p>	2.9	36
63	<p>Observation of magnetic excitons in LaCoO₃. Europhysics Letters, 2005, 70, 677-683.</p>	0.7	36
64	<p>Magnetic excitations in multiferroic LuMnO₃ by inelastic neutron scattering. Physical Review B, 2010, 82, .</p>	1.1	35
65	<p>Sc₂NiMnO₆: A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. Inorganic Chemistry, 2015, 54, 8012-8021.</p>	1.9	35
66	<p>Magnetic and electronic structure of Dirac semimetal candidate EuMnSb₂</p> <p>Physical Review B, 2019, 100, .</p>	1.1	35
67	<p>Magnetic ordering in PrBa₂Cu₃Al_yO_{6+x}. Physical Review B, 1996, 53, 9382-9395.</p>	1.1	34
68	<p>High-energy spin waves in bcc iron. Journal of Applied Physics, 1991, 69, 6219-6221.</p>	1.1	33
69	<p>Preparation of large single crystals of ANb₂O₆ (A=Ni, Co, Fe, Mn) by the floating-zone method. Journal of Crystal Growth, 2003, 250, 72-76.</p>	0.7	33
70	<p>Single crystal growth of Zn-doped CuO by the floating-zone method. Journal of Crystal Growth, 2003, 250, 77-82.</p>	0.7	33
71	<p>Magnetic excitations of Fe_{1+x}Se_xTe_{1-x} in magnetic and superconductive phases. Journal of Physics Condensed Matter, 2010, 22, 142202.</p>	0.7	33
72	<p>Localized 4f States and Dynamic Jahn-Teller Effect in PrO₂. Physical Review Letters, 2001, 86, 2082-2085.</p>	2.9	32

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73	ve excitations and superconducting resonant mode in Cs \times Fe \times Se X-ray resonant diffraction study of multiferroic Scientific Reports, 2014, 4, 7003.	1.1	32
74	Dy \times Mn \times O \times Physical Review B, 2006, 77, Physical Review B, 2006, 77,	1.1	31
75	Te \times Physical Review B, 2006, 77,	1.1	31
76	Mechanism of spin crossover in LaCoO3 resolved by shape magnetostriction in pulsed magnetic fields. Scientific Reports, 2014, 4, 7003.	1.6	31
77	Doping Dependence of Collective Spin and Orbital Excitations in the Spin-1 Quantum Antiferromagnet Physical Review Letters, 2017, 118, 156402.	2.9	31
78	Single crystal growth of Bi2Sr2CaCu2O8 using an infra-red image furnace. Physica C: Superconductivity and Its Applications, 1993, 206, 148-154.	0.6	30
79	Magnetic spectrum of the two-dimensional antiferromagnet by inelastic neutron scattering. Physical Review B, 2010, 82, Antiferromagnetically Spin Polarized Oxygen Observed in Magnetolectric	1.1	28
80	TbMn \times O \times Physical Review Letters, 2010, 105, 087203.	1.9	28
81	The $\epsilon_{\text{eff}} = \frac{1}{2}$ insulator Sr \times Ir \times O \times studied by means of angle-resolved photoemission spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 415602.	0.7	28
82	Dynamical matrix diagonalization for the calculation of dispersive excitations. Journal of Physics Condensed Matter, 2012, 24, 213201.	0.7	28
83	Role of defects in determining the magnetic ground state of ytterbium titanate. Nature Communications, 2019, 10, 637.	5.8	28
84	Spin reorientation transition in the incommensurate stripe-ordered phase of La3/2Sr1/2NiO4. Physical Review B, 2002, 66, .	1.1	27
85	Stripe order and magnetic transitions in La2 \times Sr \times NiO4. Physical Review B, 2004, 70, .	1.1	27
86	X-ray-scattering study of copper magnetism in nonsuperconducting PrBa2Cu3O6.92. Physical Review B, 2000, 61, 1251-1255.	1.1	26
87	Charge ordering and structural distortions at low temperature in La2 \times Sr1+2 \times Mn2O7 (x=0.475 and 0.5). Physical Review B, 2003, 67, .	1.1	26
88	Crystal growth of NaxCoO2 under different atmospheres. Journal of Crystal Growth, 2004, 271, 74-80.	0.7	26
89	Ferromagnetic induced in Cr-doped CeO2 particles. Microelectronic Engineering, 2014, 126, 93-98.	1.1	26
90	Spin gaps and magnetic structure of NaxCoO2. Physical Review B, 2006, 73, .	1.1	25

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91	Cooperative Jahn-Teller distortion in PrO ₂ . Physical Review B, 2004, 70, .	1.1	24
92	Spin dynamics of half-doped La _{3-x} Sr _{1+x} NiO ₄ . Physical Review B, 2005, 71, .	1.1	24
93	Strain-induced first-order orbital flip transition and coexistence of charge-orbital ordered phases in $\text{Pr}_{1-x}\text{Ce}_x\text{NiO}_3$. Physical Review B, 2008, 78, .	1.1	24
94	Small-angle neutron scattering from star-branched polymers in dilute solution. Macromolecules, 1989, 22, 3130-3137.	2.2	23
95	Magnetic structure and excitations of the topological semimetal YbMnBi ₂ . Physical Review B, 2019, 100, .	1.1	23
96	Analysis of Fe _{1-x} Se _x Te thin films grown by radio frequency sputtering. Superconductor Science and Technology, 2011, 24, 075023.	1.8	22
97	Critical behaviour of RMnO ₃ (R = La, Pr, Nd) by thermal diffusivity and specific heat measurements. Journal of Physics Condensed Matter, 2005, 17, 6729-6736.	0.7	21
98	Magnetization of La _{2-x} Sr _x NiO ₄ (0 ≤ x ≤ 0.5): Spin-glass and memory effects. Physical Review B, 2006, 73, 1.1	1.1	21
99	Crystal field splitting in Sr _{n+1} Ir _n O _{3n+1} (n=1,2) iridates probed by x-ray Raman spectroscopy. Physical Review B, 2014, 90, .	1.1	21
100	Spin resonance in the superconducting state of LiFeAs . Physical Review B, 2016, 94, .	1.1	21
101	Spin dynamics in the antiferromagnetic phases of the Dirac metals MnBi and TjETQq1 . Physical Review B, 2016, 94, .	1.1	21
102	Bulk single crystal growth and magnetic studies of La _{1-x} Sr _x CoO ₃ . Journal of Crystal Growth, 2005, 275, e827-e832.	0.7	20
103	Optical conductivity and charge ordering in Na _x CoO ₂ . Physical Review B, 2005, 72, .	1.1	20
104	Magnetic and electronic structure of the layered rare-earth pnictide EuCdSb . Physical Review B, 2018, 98, .	1.1	20
105	Crystal field splitting in EuCdAs and EuCdSb . Physical Review B, 2020, 102, .	1.1	20
106	Local matrix-cluster interactions in a phase separated perovskite. Physical Review B, 2006, 74, .	1.1	19
107	Going beyond the dipole approximation to improve the refinement of magnetic structures by neutron diffraction. Physical Review B, 2009, 79, .	1.1	18
108	Crystal-to-stripe reordering of sodium ions in Na_xNiO_2 . Physical Review B, 2009, 79, .	1.1	18

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109	Spin fluctuations away from T_j in the superconducting phase of molecular-intercalated FeSe. Physical Review B, 2013, 87, .	1.1	18
110	Incommensurate magnetism in PrBa ₂ Cu ₃ O _{6.92} . Physical Review B, 1998, 58, 11211-11214.	1.1	17
111	Magnetic state of Yb in Kondo-lattice YbNi ₂ B ₂ C. Physical Review B, 2003, 67, .	1.1	17
112	Incommensurate charge stripe ordering in La _{2-x} Sr _x NiO ₄ for x=(0.33,0.30,0.275). Physical Review B, 2004, 70, .	1.1	17
113	Ordering of localized electronic states in multiferroic TbMnO ₃ : a soft x-ray resonant scattering study. Journal of Physics Condensed Matter, 2008, 20, 422205.	0.7	17
114	Bilayer splitting and wave functions symmetry in Sr ₃ Co ₂ As ₂ . Physical Review B, 2014, 89, .	1.1	16
115	Magnetic order and dynamics in stripe-ordered La _{2-x} Sr _x NiO ₄ . Physica B: Condensed Matter, 2004, 345, 1-5.	1.3	16
116	Orbital bi-stripes in highly doped bilayer manganites. Physical Review B, 2005, 72, .	1.1	16
117	Direct evidence for charge stripes in a layered cobalt oxide. Nature Communications, 2016, 7, 11632.	5.8	16
118	Analysis of local chemical and structural inhomogeneities in Fe _{1-x} Te single crystals. Applied Physics Letters, 2011, 99, .	1.5	15
119	Ground State in a Half-Doped Manganite Distinguished by Neutron Spectroscopy. Physical Review Letters, 2012, 109, 237202.	2.9	15
120	Stripe disorder and dynamics in the hole-doped antiferromagnetic insulator La _{5-x} Sr _x Co ₂ As ₂ . Physical Review B, 2014, 89, .	1.1	15
121	Influence of static Jahn-Teller distortion on the magnetic excitation spectrum of La _{1-x} Pr _x CoO ₃ : A synchrotron x-ray and neutron inelastic scattering study. Physical Review B, 2007, 76, .	1.1	14
122	Low-temperature interactions of magnetic excitons in LaCoO ₃ . Physical Review B, 2009, 79, .	1.1	14
123	Paramagnon dispersion in $\text{Fe}^2\text{-FeSe}$ observed by Fe^L -edge resonant inelastic x-ray scattering. Physical Review B, 2019, 99, .	1.1	14
124	Magnetic-induction profile in a type-I superconductor by polarized-neutron reflectometry. Physical Review B, 1994, 49, 15789-15798.	1.1	13
125	Single-crystal growth of La _{2-x} Sr _{1+2x} Mn ₂ O ₇ under pressure. Journal of Materials Science: Materials in Electronics, 2003, 14, 587-589.	1.1	13
126	Laser-induced charge-disproportionated metallic state in LaCoO ₃ . Physical Review B, 2014, 90, .	1.1	13

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127	Magnetic monopole density and antiferromagnetic domain control in spin-ice iridates. Nature Communications, 2022, 13, 444.	5.8	13
128	Direct measurement of the three-body interaction parameter in a dilute polymer solution. Physical Review Letters, 1992, 69, 426-429.	2.9	12
129	Inward dispersion of the spin excitation spectrum of stripe-ordered La_2O_3 MnO_2 . Physical Review B, 2012, 85, .	1.1	12
130	Magnetic structure of DyMnO_2 determined by resonant x-ray scattering. Physical Review B, 2012, 85, .	1.1	12
131	Crystal growth of pyrochlore rare-earth stannates. Journal of Crystal Growth, 2017, 468, 335-339.	0.7	12
132	Conformation of star polymers without excluded volume. Macromolecules, 1990, 23, 1729-1734.	2.2	11
133	Comment on "Magnetoelastic model for the relaxation of lanthanide ions in $\text{YBa}_2\text{Cu}_3\text{O}_7$ observed by neutron scattering". Physical Review B, 2001, 64, .	1.1	11
134	An investigation of the magnetic structure of PrO ₂ . Applied Physics A: Materials Science and Processing, 2002, 74, s1773-s1775.	1.1	11
135	Effect of uniaxial pressure on charge transport in the layered manganite $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$. Physical Review B, 2006, 73, .	1.1	11
136	Spin reorientation and glassy dynamics in LaMnO_3 . Physical Review B, 2008, 78, .	1.1	11
137	Thermally induced rotation of orbital stripes in LaMnO_3 . Physical Review B, 2008, 78, .	1.1	11

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145	The effect of gravity on the resolution of small-angle neutron scattering. Journal of Applied Crystallography, 1989, 22, 252-255.	1.9	9
146	The phase diagram and crystal growth of $Y_{1-x}Pr_xBa_2Cu_3O_{7-y}$. Journal of Crystal Growth, 1993, 128, 767-771.	0.7	9
147	Crystal-field-excitation linewidth measurements in $HoxY_{1-x}Ba_2Cu_3O_7$. Physical Review B, 1994, 49, 13089-13098.	1.1	9
148	Field-induced magnetic and structural domain alignment in PrO_2 . Physical Review B, 2004, 70, .	1.1	9
149	High-energy Cu spin excitations in $PrBa_2Cu_3O_{6+x}$. Physical Review B, 2005, 71, .	1.1	9
150	High-resolution hard x-ray photoemission investigation of $La_{1-x}Y_xCo_2$. Physical Review B, 2009, 80, .	1.1	9
151	Monitoring ultrafast metallization in $LaCoO_3$ with femtosecond soft x-ray spectroscopy. Communications Physics, 2019, 2, .	2.0	9
152	Evidence for a J eff ground state and defect-induced spin glass behavior in the pyrochlore osmate $Y_2Co_2O_7$. Physical Review B, 2019, 99, .	1.1	9
153	Magnetically driven loss of centrosymmetry in metallic $Pb_{1-x}Sn_x$. Physical Review B, 2020, 102, .	1.1	9
154	Approaching the quantum critical point in a highly correlated all-in/all-out antiferromagnet. Physical Review B, 2020, 101, .	1.1	9
155	Charge Condensation and Lattice Coupling Drives Stripe Formation in Nickelates. Physical Review Letters, 2021, 126, 177601.	2.9	9
156	Magnetic structure of the topological semimetal Co_3S_2 . Physical Review B, 2022, 105, .	1.1	9
157	Coupled Magnetic Excitations in Single Crystal $PrBa_2Cu_3O_{6.2}$. Physical Review Letters, 2001, 86, 5994-5997.	2.9	8
158	Magnetic excitations in $La_{1.5}Sr_{0.5}CoO_4$. Physica B: Condensed Matter, 2004, 350, E273-E275.	1.3	8
159	Probing orbital order with soft x-rays: the case of the manganites. New Journal of Physics, 2005, 7, 80-80.	1.2	8
160	Hour-glass magnetic spectrum arising from a striped cluster spin-glass ground state in $La_{1.75}Sr_{0.25}CoO_4$. Physical Review B, 2013, 88, .	1.1	8
161	Coupled commensurate charge density wave and lattice distortion in Na_2O . Physical Review B, 2019, 99, .	1.1	8

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163	Magnetic structure of the topological semimetal YbMnSb_2 . Physical Review B, 2021, 104, .		8
164	Antiferromagnetic ordering states of oxygen-deficient $\text{NdBa}_2\text{Cu}_3\text{O}_{6-x}$ and $\text{Nd}_{1+y}\text{Ba}_2\text{Cu}_3\text{O}_{6-x}$ single crystals. Physical Review B, 1999, 59, 3870-3878.	1.1	7
165	Magnetically induced metal-insulator transition in $\text{Pb}_{1-x}\text{Sn}_x$. Physical Review B, 2020, 102, .		1
166	Static properties of star-branched polymers in dilute solution. Macromolecules, 1991, 24, 5215-5217.	2.2	6
167	A $\hat{\Lambda}$ -SR study of the rare earth antiferromagnet PrO_2 . Journal of Physics Condensed Matter, 2003, 15, 8407-8415.	0.7	6
168	Resonant soft X-ray diffraction "in extremis". Journal of Synchrotron Radiation, 2005, 12, 434-441.	1.0	6
169	Resonant x-ray scattering from the $4p$ quadrupole moment in YVO_3 . Physical Review B, 2010, 82, .	1.1	6
170	Low-energy quasi-one-dimensional spin dynamics in charge-ordered $\text{La}_2\text{Sr}_x\text{NiO}_4$. Physical Review B, 2011, 83, .	1.1	6
171	Magnetic excitation spectrum of LuFe_2O_4 . Physical Review B, 2015, 91, 014407.		1
172	First-order valence transition: Neutron diffraction, inelastic neutron scattering, and x-ray absorption investigations on the double perovskite $\text{Ba}_2\text{Cu}_2\text{O}_6$. Physical Review B, 2019, 99, .	1.1	6
173	Strong quantum fluctuations from competition between magnetic phases in a pyrochlore iridate. Physical Review B, 2020, 101, .	1.1	6
174	Metamagnetism and crystal-field splitting in pseudo-hexagonal CeRh_3 . Physical Review B, 2022, 105, .		1
175	Multiple scattering correction to the second virial coefficient measured by small-angle scattering. Macromolecules, 1988, 21, 3328-3329.	2.2	5
176	High energy crystal field excitations in $\text{Pr}_x\text{Y}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_7$. Bulletin of Materials Science, 1991, 14, 613-617.	0.8	5
177	Magnetic ordering of Nd^{3+} in single-crystal $\text{NdBa}_2\text{Cu}_3\text{O}_{6-x}$. Physical Review B, 1999, 60, 1400-1408.	1.1	5
178	X-ray resonant scattering study of the magnetic phase diagram of multiferroic TbMnO_3 . Physica B: Condensed Matter, 2009, 404, 3264-3266.	1.3	5
179	Structural studies on $\text{Na}_{0.75}\text{CoO}_2$ thermoelectric material at high pressures. Solid State Communications, 2009, 149, 1712-1716.	0.9	5
180	Ferromagnetic excitations in LaCuO_3 using neutron inelastic scattering. Physical Review B, 2010, 82, .		0.82

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181	X-ray diffraction study of the temperature-induced structural phase transitions in SmVO . Physical Review B, 2012, 85, .	1.1	5
182	Advances in the understanding of multiferroics through soft X-ray diffraction. European Physical Journal: Special Topics, 2012, 208, 99-106.	1.2	5
183	Magnetic phase diagram of $\text{La}_{1-x}\text{Sr}_x\text{NiO}_4$ using muon-spin relaxation. Physical Review B, 2016, 93, .	0.9	4
184	Effect of pressure and magnetic field on bilayer $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$ single crystal. Solid State Communications, 2005, 136, 292-296.	0.9	4
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