

Andrew Boothroyd

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217
papers

6,317
citations

45
h-index

70
g-index

235
ext. papers

6,990
ext. citations

4.8
avg, IF

5.34
L-index

#	Paper	IF	Citations
217	Magnetic Coulomb phase in the spin ice Ho ₂ Ti ₂ O ₇ . <i>Science</i> , 2009 , 326, 415-7	33.3	398
216	A ferroelectric-like structural transition in a metal. <i>Nature Materials</i> , 2013 , 12, 1024-7	27	264
215	Structure and superconductivity of LiFeAs. <i>Chemical Communications</i> , 2008 , 5918-20	5.8	256
214	Patterning of sodium ions and the control of electrons in sodium cobaltate. <i>Nature</i> , 2007 , 445, 631-4	50.4	195
213	Direct observation of orbital ordering in La _{0.5} Sr _{1.5} MnO ₄ using soft x-ray diffraction. <i>Physical Review Letters</i> , 2003 , 91, 167205	7.4	137
212	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. <i>Nature Materials</i> , 2013 , 12, 1028-32	27	128
211	High-energy spin excitations in BaFe ₂ As ₂ observed by inelastic neutron scattering. <i>Physical Review B</i> , 2008 , 78,	3.3	113
210	Coexistence of incommensurate magnetism and superconductivity in Fe _{1+y} SexTe _{1-x} . <i>Physical Review B</i> , 2009 , 80,	3.3	112
209	Crystal-field excitations in Nd ₂ CuO ₄ , Pr ₂ CuO ₄ , and related n-type superconductors. <i>Physical Review B</i> , 1992 , 45, 10075-10086	3.3	112
208	Ferromagnetic in-plane spin fluctuations in Na _x CoO ₂ observed by neutron inelastic scattering. <i>Physical Review Letters</i> , 2004 , 92, 197201	7.4	106
207	Three-dimensional spin fluctuations in Na _{0.75} CoO ₂ . <i>Physical Review Letters</i> , 2005 , 94, 157206	7.4	95
206	Observation of orbital currents in CuO. <i>Science</i> , 2011 , 332, 696-8	33.3	89
205	Tuning the superconducting and magnetic properties of Fe _y Se _{0.25} Te _{0.75} by varying the iron content. <i>Physical Review B</i> , 2010 , 82,	3.3	88
204	Strong (D) spin fluctuations in FeSe observed by neutron spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	86
203	Femtosecond dynamics of the collinear-to-spiral antiferromagnetic phase transition in CuO. <i>Physical Review Letters</i> , 2012 , 108, 037203	7.4	82
202	Antiferromagnetic spin fluctuations in LiFeAs observed by neutron scattering. <i>Physical Review B</i> , 2011 , 83,	3.3	82
201	Photoinduced melting of antiferromagnetic order in La(0.5)Sr(1.5)MnO ₄ measured using ultrafast resonant soft x-ray diffraction. <i>Physical Review Letters</i> , 2011 , 106, 217401	7.4	80

200	Femtosecond magnetically induced lattice distortions in multiferroic TbMnO ₃ . <i>Science</i> , 2011 , 333, 1273-6	33.3	79
199	Itinerant spin excitations in SrFe ₂ As ₂ measured by inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 83,	3.3	77
198	Soft X-ray resonant magnetic diffraction. <i>Physical Review Letters</i> , 2003 , 90, 187201	7.4	76
197	Ultrafast electronic phase transition in La _{1/2} Sr _{3/2} MnO ₄ by coherent vibrational excitation: evidence for nonthermal melting of orbital order. <i>Physical Review Letters</i> , 2008 , 101, 197404	7.4	75
196	Ultrafast coupling between light, coherent lattice vibrations, and the magnetic structure of semicovalent LaMnO ₃ . <i>Physical Review Letters</i> , 2009 , 103, 097402	7.4	72
195	Antiferromagnetic order and domains in Sr ₃ Ir ₂ O ₇ probed by x-ray resonant scattering. <i>Physical Review B</i> , 2012 , 85,	3.3	68
194	Investigation of the spin state of Co in LaCoO ₃ at room temperature: Ab initio calculations and high-resolution photoemission spectroscopy of single crystals. <i>Physical Review B</i> , 2008 , 77,	3.3	65
193	Small-angle neutron scattering from star-branched polymers in the molten state. <i>Macromolecules</i> , 1989 , 22, 681-686	5.5	62
192	Coupling of magnetic order to planar Bi electrons in the anisotropic Dirac metals AMnBi ₂ (A = Sr, Ca). <i>Physical Review B</i> , 2014 , 90,	3.3	60
191	Novel Pr-Cu Magnetic Phase at Low Temperature in PrBa ₂ Cu ₃ O _{6+x} Observed by Neutron Diffraction. <i>Physical Review Letters</i> , 1997 , 78, 130-133	7.4	58
190	All-in-all-Out Magnetic Order and Propagating Spin Waves in Sm ₂ Ir ₂ O ₇ . <i>Physical Review Letters</i> , 2016 , 117, 037201	7.4	57
189	Cu ₃ Nb ₂ O ₈ : a multiferroic with chiral coupling to the crystal structure. <i>Physical Review Letters</i> , 2011 , 107, 137205	7.4	55
188	Resonant soft x-ray scattering investigation of orbital and magnetic ordering in La _{0.5} Sr _{1.5} MnO ₄ . <i>Physical Review B</i> , 2005 , 71,	3.3	55
187	Observation of three-dimensional Heisenberg-like ferromagnetism in single crystal La _{0.875} Sr _{0.125} MnO ₃ . <i>Physical Review B</i> , 2003 , 68,	3.3	54
186	Crystal field excitations in Nd _{2-x} Ce _x CuO ₄ . <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 165, 17-24	1.3	52
185	Nature of the magnetic order and origin of induced ferroelectricity in TbMnO ₃ . <i>Physical Review Letters</i> , 2009 , 103, 207602	7.4	50
184	Critical behavior of La _{1-x} Sr _x MnO ₃ (0 ≤ x ≤ 0.35) by thermal diffusivity measurements. <i>Physical Review B</i> , 2004 , 70,	3.3	50
183	An hour-glass magnetic spectrum in an insulating, hole-doped antiferromagnet. <i>Nature</i> , 2011 , 471, 341-450.	4.4	49

182	Incommensurate One-Dimensional Fluctuations in YBa ₂ Cu ₃ O _{6.93} . <i>Physical Review Letters</i> , 1996 , 77, 370-373	7.4	49
181	Phonons and superconductivity in Bi ₂ Sr ₂ CaCu ₂ O ₈ . <i>Physical Review Letters</i> , 1992 , 69, 2272-2275	7.4	49
180	High-temperature electromagnons in the magnetically induced multiferroic cupric oxide driven by intersublattice exchange. <i>Nature Communications</i> , 2014 , 5, 3787	17.4	48
179	Spin dynamics in stripe-ordered La _{5/3} Sr _{1/3} NiO ₄ . <i>Physical Review B</i> , 2003 , 67,	3.3	48
178	Anisotropic local modification of crystal field levels in Pr-based pyrochlores: a muon-induced effect modeled using density functional theory. <i>Physical Review Letters</i> , 2015 , 114, 017602	7.4	47
177	Microstructural analysis of phase separation in iron chalcogenide superconductors. <i>Superconductor Science and Technology</i> , 2012 , 25, 084023	3.1	47
176	Temperature coefficients for the chain dimensions of polystyrene and polymethylmethacrylate. <i>Journal of Chemical Physics</i> , 1993 , 99, 9135-9144	3.9	47
175	The full magnon spectrum of yttrium iron garnet. <i>Npj Quantum Materials</i> , 2017 , 2,	5	46
174	Nature of the magnetic order in the charge-ordered cuprate La _{1.48} Nd _{0.4} Sr _{0.12} CuO ₄ . <i>Physical Review Letters</i> , 2007 , 98, 197003	7.4	46
173	Mapping spin-wave dispersions in stripe-ordered La _{2-x} Sr _x NiO ₄ (x=0.275, 0.333). <i>Physical Review B</i> , 2005 , 72,	3.3	46
172	Ideal Weyl semimetal induced by magnetic exchange. <i>Physical Review B</i> , 2019 , 100,	3.3	45
171	X-ray scattering study of the order parameters in multiferroic TbMnO ₃ . <i>Physical Review B</i> , 2007 , 76,	3.3	43
170	Crystal growth of spin-ice pyrochlores by the floating-zone method. <i>Journal of Crystal Growth</i> , 2011 , 318, 1053-1056	1.6	40
169	Crystal-field states of Pr ³⁺ in the candidate quantum spin ice Pr ₂ Sn ₂ O ₇ . <i>Physical Review B</i> , 2013 , 88,	3.3	39
168	Circularly polarized X rays as a probe of noncollinear magnetic order in multiferroic TbMnO ₃ . <i>Physical Review Letters</i> , 2009 , 102, 237205	7.4	39
167	Evidence of quantum dimer excitations in Sr ₃ Ir ₂ O ₇ . <i>Physical Review B</i> , 2015 , 92,	3.3	38
166	Bilayer manganites reveal polarons in the midst of a metallic breakdown. <i>Nature Physics</i> , 2011 , 7, 978-982	6.2	37
165	On the magnetic structure of Sr ₃ Ir ₂ O ₇ : an x-ray resonant scattering study. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 312202	1.8	37

164	Spin correlations among the charge carriers in an ordered stripe phase. <i>Physical Review Letters</i> , 2003 , 91, 257201	7.4	35
163	Electric field control of chiral magnetic domains in the high-temperature multiferroic CuO. <i>Physical Review B</i> , 2012 , 85,	3.3	34
162	Magnetic order and dynamics of the charge-ordered antiferromagnet La _{1.5} Sr _{0.5} CoO ₄ . <i>Physical Review B</i> , 2009 , 80,	3.3	34
161	Observation of magnetic excitons in LaCoO ₃ . <i>Europhysics Letters</i> , 2005 , 70, 677-683	1.6	34
160	Magnetic ordering in PrBa ₂ Cu _{3-y} Al _y O _{6+x} . <i>Physical Review B</i> , 1996 , 53, 9382-9395	3.3	34
159	Magnetic excitations of Fe _(1+y) Se _(x) Te _(1-x) in magnetic and superconductive phases. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 142202	1.8	33
158	Evidence for Extreme Gap Anisotropy in Ho _{0.1} Y _{0.9} Ba ₂ Cu ₃ O ₇ from Neutron Spectroscopy of Ho ³⁺ . <i>Physical Review Letters</i> , 1996 , 77, 1600-1603	7.4	33
157	Restoration of the third law in spin ice thin films. <i>Nature Communications</i> , 2014 , 5, 3439	17.4	31
156	Magnetic excitations in multiferroic LuMnO ₃ studied by inelastic neutron scattering. <i>Physical Review B</i> , 2010 , 82,	3.3	31
155	X-ray resonant diffraction study of multiferroic DyMn ₂ O ₅ . <i>Physical Review B</i> , 2008 , 77,	3.3	31
154	Sc ₂ NiMnO ₆ : A Double-Perovskite with a Magnetodielectric Response Driven by Multiple Magnetic Orders. <i>Inorganic Chemistry</i> , 2015 , 54, 8012-21	5.1	30
153	Crystal field states of Tb ³⁺ in the pyrochlore spin liquid Tb ₂ Ti ₂ O ₇ from neutron spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	30
152	Importance of XY anisotropy in Sr ₂ IrO ₄ revealed by magnetic critical scattering experiments. <i>Physical Review B</i> , 2015 , 92,	3.3	30
151	Spin anisotropy of the resonance peak in superconducting FeSe _{0.5} Te _{0.5} . <i>Physical Review B</i> , 2011 , 83,	3.3	30
150	High-energy spin waves in bcc iron. <i>Journal of Applied Physics</i> , 1991 , 69, 6219-6221	2.5	30
149	Single crystal growth of Bi ₂ Sr ₂ CaCu ₂ O ₈ using an infra-red image furnace. <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 206, 148-154	1.3	30
148	Spin-wave excitations and superconducting resonant mode in Cs _x Fe _{2-y} Se ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
147	Single crystal growth of Zn-doped CuO by the floating-zone method. <i>Journal of Crystal Growth</i> , 2003 , 250, 77-82	1.6	29

146	Localized 4f states and dynamic Jahn-Teller effect in PrO ₂ . <i>Physical Review Letters</i> , 2001 , 86, 2082-5	7.4	29
145	Antiferromagnetically spin polarized oxygen observed in magnetoelectric TbMn ₂ O ₅ . <i>Physical Review Letters</i> , 2010 , 105, 087203	7.4	27
144	The Jeff = 1/2 insulator Sr ₃ Ir ₂ O ₇ studied by means of angle-resolved photoemission spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 415602	1.8	27
143	Preparation of large single crystals of ANb ₂ O ₆ (A=Ni, Co, Fe, Mn) by the floating-zone method. <i>Journal of Crystal Growth</i> , 2003 , 250, 72-76	1.6	27
142	Stripe order and magnetic transitions in La _{2-x} Sr _x NiO ₄ . <i>Physical Review B</i> , 2004 , 70,	3.3	26
141	Crystal growth of Na _x CoO ₂ under different atmospheres. <i>Journal of Crystal Growth</i> , 2004 , 271, 74-80	1.6	26
140	Charge ordering and structural distortions at low temperature in La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (x=0.475 and 0.5). <i>Physical Review B</i> , 2003 , 67,	3.3	26
139	Coupling of magnetic order and charge transport in the candidate Dirac semimetal EuCd ₂ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	26
138	Doping Dependence of Collective Spin and Orbital Excitations in the Spin-1 Quantum Antiferromagnet La _{2-x} Sr _x NiO ₄ Observed by X Rays. <i>Physical Review Letters</i> , 2017 , 118, 156402	7.4	25
137	Spin gaps and magnetic structure of Na _x CoO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	24
136	Spin reorientation transition in the incommensurate stripe-ordered phase of La _{3/2} Sr _{1/2} NiO ₄ . <i>Physical Review B</i> , 2002 , 66,	3.3	24
135	Mechanism of spin crossover in LaCoO ₃ resolved by shape magnetostriction in pulsed magnetic fields. <i>Scientific Reports</i> , 2014 , 4, 7003	4.9	23
134	Magnetic spectrum of the two-dimensional antiferromagnet La ₂ CoO ₄ studied by inelastic neutron scattering. <i>Physical Review B</i> , 2010 , 82,	3.3	23
133	Cooperative Jahn-Teller distortion in PrO ₂ . <i>Physical Review B</i> , 2004 , 70,	3.3	23
132	X-ray-scattering study of copper magnetism in nonsuperconducting PrBa ₂ Cu ₃ O _{6.92} . <i>Physical Review B</i> , 2000 , 61, 1251-1255	3.3	22
131	Small-angle neutron scattering from star-branched polymers in dilute solution. <i>Macromolecules</i> , 1989 , 22, 3130-3137	5.5	22
130	Ferromagnetic induced in Cr-doped CeO ₂ particles. <i>Microelectronic Engineering</i> , 2014 , 126, 93-98	2.5	21
129	Critical behaviour of RMnO ₃ (R = La, Pr, Nd) by thermal diffusivity and specific heat measurements. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 6729-6736	1.8	21

128	Magnetization of $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($0 \leq x \leq 0.5$): Spin-glass and memory effects. <i>Physical Review B</i> , 2006 , 73,	3.3	20
127	Spin dynamics of half-doped $\text{La}_{3-x}\text{Sr}_{1-x}\text{NiO}_4$. <i>Physical Review B</i> , 2005 , 71,	3.3	20
126	Bulk single crystal growth and magnetic studies of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Journal of Crystal Growth</i> , 2005 , 275, e827-e832	1.6	20
125	Role of defects in determining the magnetic ground state of ytterbium titanate. <i>Nature Communications</i> , 2019 , 10, 637	17.4	19
124	Spin resonance in the superconducting state of $\text{Li}_{1-x}\text{Fe}_x\text{OFe}_1\text{Se}$ observed by neutron spectroscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	19
123	Dynamical matrix diagonalization for the calculation of dispersive excitations. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 213201	1.8	18
122	Strain-induced first-order orbital flip transition and coexistence of charge-orbital ordered phases in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. <i>Physical Review B</i> , 2008 , 78,	3.3	18
121	Local matrix-cluster interactions in a phase separated perovskite. <i>Physical Review B</i> , 2006 , 74,	3.3	18
120	Optical conductivity and charge ordering in Na_xCoO_2 . <i>Physical Review B</i> , 2005 , 72,	3.3	18
119	Spin fluctuations away from (π, π) in the superconducting phase of molecular-intercalated FeSe . <i>Physical Review B</i> , 2013 , 87,	3.3	17
118	Crystal field splitting in $\text{Sr}_{n+1}\text{Ir}_n\text{O}_{3n+1}$ ($n=1,2$) iridates probed by x-ray Raman spectroscopy. <i>Physical Review B</i> , 2014 , 90,	3.3	17
117	Analysis of $\text{Fe}_y\text{Se}_{1-x}$ thin films grown by radio frequency sputtering. <i>Superconductor Science and Technology</i> , 2011 , 24, 075023	3.1	17
116	Crystal-to-stripe reordering of sodium ions in Na_xCoO_2 ($x \geq 0.75$). <i>Physical Review B</i> , 2009 , 79,	3.3	17
115	Ordering of localized electronic states in multiferroic TbMnO_3 : a soft x-ray resonant scattering study. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 422205	1.8	17
114	Spin dynamics in the antiferromagnetic phases of the Dirac metals AMnBi_2 ($A=\text{Sr}, \text{Ca}$). <i>Physical Review B</i> , 2017 , 95,	3.3	16
113	Orbital bi-stripes in highly doped bilayer manganites. <i>Physical Review B</i> , 2005 , 72,	3.3	16
112	Bilayer splitting and wave functions symmetry in $\text{Sr}_3\text{Ir}_2\text{O}_7$. <i>Physical Review B</i> , 2014 , 89,	3.3	15
111	Incommensurate charge stripe ordering in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ for $x=(0.33, 0.30, 0.275)$. <i>Physical Review B</i> , 2004 , 70,	3.3	15

110	Incommensurate magnetism in PrBa ₂ Cu ₃ O _{6.92} . <i>Physical Review B</i> , 1998 , 58, 11211-11214	3-3	15
109	Magnetic and electronic structure of Dirac semimetal candidate EuMnSb ₂ . <i>Physical Review B</i> , 2019 , 100,	3-3	14
108	Analysis of local chemical and structural inhomogeneities in Fe _{1-x} Te single crystals. <i>Applied Physics Letters</i> , 2011 , 99, 192504	3-4	14
107	Low-temperature interactions of magnetic excitons in LaCoO ₃ . <i>Physical Review B</i> , 2009 , 79,	3-3	14
106	Going beyond the dipole approximation to improve the refinement of magnetic structures by neutron diffraction. <i>Physical Review B</i> , 2009 , 79,	3-3	14
105	Magnetic order and dynamics in stripe-ordered La _{2-x} Sr _x NiO ₄ . <i>Physica B: Condensed Matter</i> , 2004 , 345, 1-5	2.8	14
104	Magnetic state of Yb in Kondo-lattice YbNi ₂ B ₂ C. <i>Physical Review B</i> , 2003 , 67,	3-3	14
103	Direct evidence for charge stripes in a layered cobalt oxide. <i>Nature Communications</i> , 2016 , 7, 11632	17.4	13
102	Stripe disorder and dynamics in the hole-doped antiferromagnetic insulator La _{5/3} Sr _{1/3} CoO ₄ . <i>Physical Review B</i> , 2014 , 89,	3-3	13
101	Influence of static Jahn-Teller distortion on the magnetic excitation spectrum of PrO ₂ : A synchrotron x-ray and neutron inelastic scattering study. <i>Physical Review B</i> , 2007 , 76,	3-3	13
100	Single-crystal growth of La _{2-x} Sr _{1+2x} Mn ₂ O ₇ under pressure. <i>Journal of Materials Science: Materials in Electronics</i> , 2003 , 14, 587-589	2.1	13
99	Magnetic-induction profile in a type-I superconductor by polarized-neutron reflectometry. <i>Physical Review B</i> , 1994 , 49, 15789-15798	3-3	13
98	Magnetic structure of DyMn ₂ O ₅ determined by resonant x-ray scattering. <i>Physical Review B</i> , 2012 , 85,	3-3	12
97	Direct measurement of the three-body interaction parameter in a dilute polymer solution. <i>Physical Review Letters</i> , 1992 , 69, 426-429	7.4	12
96	Persistence of magnetic order in a highly excited Cu ²⁺ state in CuO. <i>Physical Review B</i> , 2014 , 89,	3-3	11
95	Crystal growth of pyrochlore rare-earth stannates. <i>Journal of Crystal Growth</i> , 2017 , 468, 335-339	1.6	11
94	Laser-induced charge-disproportionated metallic state in LaCoO ₃ . <i>Physical Review B</i> , 2014 , 90,	3-3	11
93	Ground state in a half-doped manganite distinguished by neutron spectroscopy. <i>Physical Review Letters</i> , 2012 , 109, 237202	7.4	11

92	Spin reorientation and glassy dynamics in $\text{La}_{1.55}\text{Sr}_{0.45}\text{NiO}_4$. <i>Physical Review B</i> , 2008 , 78,	3-3	11
91	Effect of uniaxial pressure on charge transport in the layered manganite $\text{La}_{1.25}\text{Sr}_{1.75}\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2006 , 73,	3-3	11
90	Conformation of star polymers without excluded volume. <i>Macromolecules</i> , 1990 , 23, 1729-1734	5-5	11
89	Ground-state magnetic structure of Mn_3Ge . <i>Physical Review B</i> , 2020 , 101,	3-3	10
88	Circularly polarized x-ray scattering investigation of spin-lattice coupling in TbMnO_3 in crossed electric and magnetic fields. <i>Physical Review B</i> , 2013 , 88,	3-3	10
87	Two-dimensional Cs-vacancy superstructure in iron-based superconductor $\text{Cs}_{0.8}\text{Fe}_{1.6}\text{Se}_2$. <i>Physical Review B</i> , 2015 , 91,	3-3	10
86	Thermally induced rotation of 3d orbital stripes in $\text{Pr}(\text{Sr}_{0.1}\text{Ca}_{0.9})_2\text{Mn}_2\text{O}_7$. <i>Physical Review B</i> , 2009 , 79,	3-3	10
85	An investigation of the magnetic structure of PrO_2 . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s1773-s1775	2.6	10
84	Comment on Magnetoelastic model for the relaxation of lanthanide ions in $\text{YBa}_2\text{Cu}_3\text{O}_7$ observed by neutron scattering \square <i>Physical Review B</i> , 2001 , 64,	3-3	10
83	High-resolution hard x-ray photoemission investigation of $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($0.30 \leq x \leq 1$). <i>Physical Review B</i> , 2009 , 80,	3-3	9
82	Inward dispersion of the spin excitation spectrum of stripe-ordered La_2NiO_4 \square <i>Physical Review B</i> , 2009 , 80,	3-3	9
81	Low-energy collective dynamics of charge stripes in the doped nickelate $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ \square observed with optical conductivity measurements. <i>Physical Review B</i> , 2008 , 77,	3-3	9
80	High-energy Cu spin excitations in $\text{PrBa}_2\text{Cu}_3\text{O}_{6+x}$. <i>Physical Review B</i> , 2005 , 71,	3-3	9
79	Magnetic structure and excitations of the topological semimetal YbMnBi_2 . <i>Physical Review B</i> , 2019 , 100,	3-3	8
78	Field-induced magnetic and structural domain alignment in PrO_2 . <i>Physical Review B</i> , 2004 , 70,	3-3	8
77	Magnetic excitations in $\text{La}_{1.5}\text{Sr}_{0.5}\text{CoO}_4$. <i>Physica B: Condensed Matter</i> , 2004 , 350, E273-E275	2.8	8
76	Probing orbital order with soft x-rays: the case of the manganites. <i>New Journal of Physics</i> , 2005 , 7, 80-80.2.9		8
75	Crystal-field-excitation linewidth measurements in $\text{Ho}_x\text{Y}_{1-x}\text{Ba}_2\text{Cu}_3\text{O}_7$. <i>Physical Review B</i> , 1994 , 49, 13089-13098		8

74	Principles of Neutron Scattering from Condensed Matter 2020 ,		8
73	Spin dynamics and exchange interactions in CuO measured by neutron scattering. <i>Physical Review B</i> , 2018 , 97,	3.3	7
72	Persistence of antiferromagnetic order upon La substitution in the 4d4 Mott insulator Ca ₂ RuO ₄ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
71	Magnetic and electronic structure of the layered rare-earth pnictide EuCd ₂ Sb ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
70	Hour-glass magnetic spectrum arising from a striped cluster spin-glass ground state in La _{1.75} Sr _{0.25} CoO ₄ . <i>Physical Review B</i> , 2013 , 88,	3.3	7
69	High-pressure structure of LaSr ₂ Mn ₂ O ₇ bilayer manganite. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 2046-2050	3.9	7
68	Coupled magnetic excitations in single crystal PrBa(2)Cu(3)O(6.2). <i>Physical Review Letters</i> , 2001 , 86, 5994-7	4.7	7
67	Antiferromagnetic ordering states of oxygen-deficient NdBa ₂ Cu ₃ O _{6+x} and Nd _{1+y} Ba _{2-x} Cu ₃ O _{6+x} single crystals. <i>Physical Review B</i> , 1999 , 59, 3870-3878	3.3	7
66	The effect of gravity on the resolution of small-angle neutron scattering. <i>Journal of Applied Crystallography</i> , 1989 , 22, 252-255	3.8	7
65	Coupled commensurate charge density wave and lattice distortion in Na ₂ Ti ₂ Pn ₂ O (Pn=As,Sb) determined by x-ray diffraction and angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	6
64	Magnetic excitation spectrum of LuFe ₂ O ₄ measured with inelastic neutron scattering. <i>Physical Review B</i> , 2015 , 91,	3.3	6
63	Resonant x-ray scattering from the 4p quadrupole moment in YVO ₃ . <i>Physical Review B</i> , 2010 , 82,	3.3	6
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