

Andrew Boothroyd

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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 monopole density and antiferromagnetic domain control in spin-ice iridates.. <i>Nature Communications</i> , 2022 , 13, 444	17.4	1
216	Charge Condensation and Lattice Coupling Drives Stripe Formation in Nickelates. <i>Physical Review Letters</i> , 2021 , 126, 177601	7.4	4
215	Real Space Imaging of Spin Stripe Domain Fluctuations in a Complex Oxide.. <i>Physical Review Letters</i> , 2021 , 127, 275301	7.4	0
214	Magnetically induced metal-insulator transition in Pb ₂ CaOsO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	1
213	Approaching the quantum critical point in a highly correlated all-in/all-out antiferromagnet. <i>Physical Review B</i> , 2020 , 101,	3.3	2
212	Strong quantum fluctuations from competition between magnetic phases in a pyrochlore iridate. <i>Physical Review B</i> , 2020 , 101,	3.3	3
211	Ground-state magnetic structure of Mn ₃ Ge. <i>Physical Review B</i> , 2020 , 101,	3.3	10
210	Resonant x-ray scattering study of diffuse magnetic scattering from the topological semimetals EuCd ₂ As ₂ and EuCd ₂ Sb ₂ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
209	Principles of Neutron Scattering from Condensed Matter 2020 ,		8
208	Magnetically driven loss of centrosymmetry in metallic Pb ₂ CoOsO ₆ . <i>Physical Review B</i> , 2020 , 102,	3.3	4
207	Magnetic structure and excitations of the topological semimetal YbMnBi ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	8
206	Monitoring ultrafast metallization in LaCoO ₃ with femtosecond soft x-ray spectroscopy. <i>Communications Physics</i> , 2019 , 2,	5.4	4
205	First-order valence transition: Neutron diffraction, inelastic neutron scattering, and x-ray absorption investigations on the double perovskite Ba ₂ PrRu _{0.9} Ir _{0.1} O ₆ . <i>Physical Review B</i> , 2019 , 99,	3.3	3
204	Evidence for a Jeff=0 ground state and defect-induced spin glass behavior in the pyrochlore osmate Y ₂ O ₅ TiO ₇ . <i>Physical Review B</i> , 2019 , 99,	3.3	2
203	Role of defects in determining the magnetic ground state of ytterbium titanate. <i>Nature Communications</i> , 2019 , 10, 637	17.4	19
202	Tuning of the Ru ⁴⁺ ground-state orbital population in the 4d ⁴ Mott insulator Ca ₂ RuO ₄ achieved by La doping. <i>Physical Review B</i> , 2019 , 99,	3.3	3
201	Selective probing of magnetic order on Tb and Ir sites in stuffed TbIrO using resonant x-ray scattering. <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 344001	1.8	1

200	Magnetic and electronic structure of Dirac semimetal candidate EuMnSb ₂ . <i>Physical Review B</i> , 2019 , 100,	3.3	14
199	Ideal Weyl semimetal induced by magnetic exchange. <i>Physical Review B</i> , 2019 , 100,	3.3	45
198	Paramagnon dispersion in $\sqrt{3}\sqrt{3}$ FeSe observed by Fe L-edge resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2019 , 99,	3.3	6
197	Spin dynamics and exchange interactions in CuO measured by neutron scattering. <i>Physical Review B</i> , 2018 , 97,	3.3	7
196	Persistence of antiferromagnetic order upon La substitution in the 4d ⁴ Mott insulator Ca ₂ RuO ₄ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
195	Coupling between Spin and Charge Order Driven by Magnetic Field in Triangular Ising System LuFe ₂ O ₄ + $\sqrt{3}\sqrt{3}$ Crystals, 2018 , 8, 88	2.3	2
194	Magnetic and electronic structure of the layered rare-earth pnictide EuCd ₂ Sb ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	7
193	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
192	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
191	Crystal growth of the triangular-lattice antiferromagnet Ba ₃ CoSb ₂ O ₉ . <i>Journal of Crystal Growth</i> , 2017 , 468, 345-348	1.6	3
190	Crystal growth of pyrochlore rare-earth stannates. <i>Journal of Crystal Growth</i> , 2017 , 468, 335-339	1.6	11
189	The full magnon spectrum of yttrium iron garnet. <i>Npj Quantum Materials</i> , 2017 , 2,	5	46
188	Spin dynamics in the antiferromagnetic phases of the Dirac metals AMnBi ₂ (A=Sr, Ca). <i>Physical Review B</i> , 2017 , 95,	3.3	16
187	Direct evidence for charge stripes in a layered cobalt oxide. <i>Nature Communications</i> , 2016 , 7, 11632	17.4	13
186	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
185	Magnetic phase diagram of La _{2-x} Sr _x CoO ₄ revised using muon-spin relaxation. <i>Physical Review B</i> , 2016 , 93,	3.3	4
184	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
183	Spin resonance in the superconducting state of Li _{1-x} FexODFe _{1-x} Se observed by neutron spectroscopy. <i>Physical Review B</i> , 2016 , 94,	3.3	19

182	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
181	Evidence of quantum dimer excitations in Sr ₃ Ir ₂ O ₇ . <i>Physical Review B</i> , 2015 , 92,	3.3	38
180	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
179	Two-dimensional Cs-vacancy superstructure in iron-based superconductor Cs _{0.8} Fe _{1.6} Se ₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	10
178	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
177	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
176	Strong (\mathbb{D}) spin fluctuations in FeSe observed by neutron spectroscopy. <i>Physical Review B</i> , 2015 , 91,	3.3	86
175	Magnetic excitation spectrum of LuFe ₂ O ₄ measured with inelastic neutron scattering. <i>Physical Review B</i> , 2015 , 91,	3.3	6
174	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
173	Bilayer splitting and wave functions symmetry in Sr ₃ Ir ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3.3	15
172	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
171	Ferromagnetic induced in Cr-doped CeO ₂ particles. <i>Microelectronic Engineering</i> , 2014 , 126, 93-98	2.5	21
170	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
169	Persistence of magnetic order in a highly excited Cu ²⁺ state in CuO. <i>Physical Review B</i> , 2014 , 89,	3.3	11
168	Laser-induced charge-disproportionated metallic state in LaCoO ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	11
167	High-temperature electromagnons in the magnetically induced multiferroic cupric oxide driven by intersublattice exchange. <i>Nature Communications</i> , 2014 , 5, 3787	17.4	48
166	Restoration of the third law in spin ice thin films. <i>Nature Communications</i> , 2014 , 5, 3439	17.4	31
165	Divacancy superstructures in thermoelectric calcium-doped sodium cobaltate. <i>Physical Review B</i> , 2014 , 90,	3.3	3

164	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
163	Suppression of thermal conductivity by rattling modes in thermoelectric sodium cobaltate. <i>Nature Materials</i> , 2013 , 12, 1028-32	27	128
162	Spin fluctuations away from (\mathbb{D}) in the superconducting phase of molecular-intercalated FeSe. <i>Physical Review B</i> , 2013 , 87,	3-3	17
161	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
160	Crystal-field states of Pr^{3+} in the candidate quantum spin ice $\text{Pr}_2\text{Sn}_2\text{O}_7$. <i>Physical Review B</i> , 2013 , 88,	3-3	39
159	A ferroelectric-like structural transition in a metal. <i>Nature Materials</i> , 2013 , 12, 1024-7	27	264
158	Absence of strong magnetic fluctuations in FeP-based systems LaFePO and Sr_2CoBeP . <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 425701	1.8	3
157	Hour-glass magnetic spectrum arising from a striped cluster spin-glass ground state in $\text{La}_{1.75}\text{Sr}_{0.25}\text{CoO}_4$. <i>Physical Review B</i> , 2013 , 88,	3-3	7
156	Strongly momentum-dependent screening dynamics in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ observed with resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2013 , 87,	3-3	1
155	Advances in the understanding of multiferroics through soft X-ray diffraction. <i>European Physical Journal: Special Topics</i> , 2012 , 208, 99-106	2-3	4
154	X-ray diffraction study of the temperature-induced structural phase transitions in SmVO_3 . <i>Physical Review B</i> , 2012 , 85,	3-3	4
153	Magnetic structure of DyMn_2O_5 determined by resonant x-ray scattering. <i>Physical Review B</i> , 2012 , 85,	3-3	12
152	Ground state in a half-doped manganite distinguished by neutron spectroscopy. <i>Physical Review Letters</i> , 2012 , 109, 237202	7.4	11
151	Electric field control of chiral magnetic domains in the high-temperature multiferroic CuO . <i>Physical Review B</i> , 2012 , 85,	3-3	34
150	Microstructural analysis of phase separation in iron chalcogenide superconductors. <i>Superconductor Science and Technology</i> , 2012 , 25, 084023	3-1	47
149	Dynamical matrix diagonalization for the calculation of dispersive excitations. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 213201	1.8	18
148	Femtosecond dynamics of the collinear-to-spiral antiferromagnetic phase transition in CuO . <i>Physical Review Letters</i> , 2012 , 108, 037203	7.4	82
147	On the magnetic structure of $\text{Sr}_3\text{Ir}_2\text{O}_7$: an x-ray resonant scattering study. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 312202	1.8	37

146	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
145	Spin-wave excitations and superconducting resonant mode in Cs _x Fe ₂ Se ₂ . <i>Physical Review B</i> , 2012 , 86,	3.3	29
144	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
143	Evidence of Magnetic Correlations Among the Charge Stripe Electrons of Charge-Stripe Ordered La ₂ NiO _{4.11} . <i>Journal of Physics: Conference Series</i> , 2012 , 340, 012060	0.3	1
142	Analysis of local chemical and structural inhomogeneities in Fe _y Se _{1-x} Te _x single crystals. <i>Applied Physics Letters</i> , 2011 , 99, 192504	3.4	14
141	Itinerant spin excitations in SrFe ₂ As ₂ measured by inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 83,	3.3	77
140	Femtosecond magnetically induced lattice distortions in multiferroic TbMnO ₃ . <i>Science</i> , 2011 , 333, 1273-6	33.3	79
139	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
138	Analysis of Fe _y Se _{1-x} Te _x thin films grown by radio frequency sputtering. <i>Superconductor Science and Technology</i> , 2011 , 24, 075023	3.1	17
137	Antiferromagnetic spin fluctuations in LiFeAs observed by neutron scattering. <i>Physical Review B</i> , 2011 , 83,	3.3	82
136	Calculation of Atomic Charge- Moment- and Current densities using McPhase, a versatile modelling suite for Magnetic Neutron Scattering. <i>Journal of Physics: Conference Series</i> , 2011 , 325, 012005	0.3	0
135	An hour-glass magnetic spectrum in an insulating, hole-doped antiferromagnet. <i>Nature</i> , 2011 , 471, 341-4	50.4	49
134	Bilayer manganites reveal polarons in the midst of a metallic breakdown. <i>Nature Physics</i> , 2011 , 7, 978-982	26.2	37
133	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
132	Observation of orbital currents in CuO. <i>Science</i> , 2011 , 332, 696-8	33.3	89
131	Floating-zone growth of Na _{0.8} A _y CoO ₂ (A=Ca, Sr) single crystals. <i>Journal of Crystal Growth</i> , 2011 , 318, 924-926	1.6	2
130	Crystal growth of spin-ice pyrochlores by the floating-zone method. <i>Journal of Crystal Growth</i> , 2011 , 318, 1053-1056	1.6	40
129	Low-energy quasi-one-dimensional spin dynamics in charge-ordered La _{2-x} Sr _x NiO ₄ . <i>Physical Review B</i> , 2011 , 83,	3.3	6

128	Spin anisotropy of the resonance peak in superconducting FeSe _{0.5} Te _{0.5} . <i>Physical Review B</i> , 2011 , 83,	3-3	30
127	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
126	Antiferromagnetically spin polarized oxygen observed in magnetoelectric TbMn ₂ O ₅ . <i>Physical Review Letters</i> , 2010 , 105, 087203	7-4	27
125	Magnetic excitations in multiferroic LuMnO ₃ studied by inelastic neutron scattering. <i>Physical Review B</i> , 2010 , 82,	3-3	31
124	Soft x-ray diffraction from lattice constrained orbital order in Pr(Sr _{0.1} Ca _{0.9}) ₂ Mn ₂ O ₇ . <i>Journal of Physics: Conference Series</i> , 2010 , 211, 012007	0-3	
123	X-ray resonant scattering study of the incommensurate charge-orbital density wave in La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (x= 0.7). <i>Journal of Physics: Conference Series</i> , 2010 , 211, 012006	0-3	1
122	Observed and calculated energy spectra of Bragg-forbidden reflections in YVO ₃ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012073	0-3	
121	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
120	Resonant x-ray scattering from the 4p quadrupole moment in YVO ₃ . <i>Physical Review B</i> , 2010 , 82,	3-3	6
119	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
118	Ferromagnetic excitations in La _{0.82} Sr _{0.18} CoO ₃ observed using neutron inelastic scattering. <i>Physical Review B</i> , 2010 , 82,	3-3	5
117	The temperature evolution of the out-of-plane correlation lengths of charge-stripe ordered La _{1.725} Sr _{0.275} NiO ₄ . <i>Journal of Physics: Conference Series</i> , 2010 , 200, 012037	0-3	3
116	Thermally induced rotation of 3d orbital stripes in Pr(Sr _{0.1} Ca _{0.9}) ₂ Mn ₂ O ₇ . <i>Physical Review B</i> , 2009 , 79,	3-3	10
115	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
114	Low-temperature interactions of magnetic excitons in LaCoO ₃ . <i>Physical Review B</i> , 2009 , 79,	3-3	14
113	High-resolution hard x-ray photoemission investigation of La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (0.30 ≤ x ≤ 0.7). <i>Physical Review B</i> , 2009 , 80,	3-3	9
112	Inward dispersion of the spin excitation spectrum of stripe-ordered La ₂ NiO ₄ . <i>Physical Review B</i> , 2009 , 80,	3-3	9
111	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

110	Nature of the magnetic order and origin of induced ferroelectricity in TbMnO ₃ . <i>Physical Review Letters</i> , 2009 , 103, 207602	7.4	50
109	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
108	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
107	Crystal-to-stripe reordering of sodium ions in Na _x CoO ₂ (x>0.75). <i>Physical Review B</i> , 2009 , 79,	3.3	17
106	Determining Crystal Field Distortions of YVO ₃ through X-Ray Scattering. <i>Solid State Phenomena</i> , 2009 , 152-153, 147-150	0.4	
105	X-ray resonant scattering study of the magnetic phase diagram of multiferroic TbMnO ₃ . <i>Physica B: Condensed Matter</i> , 2009 , 404, 3264-3266	2.8	5
104	Structural studies on Na _{0.75} CoO ₂ thermoelectric material at high pressures. <i>Solid State Communications</i> , 2009 , 149, 1712-1716	1.6	4
103	Coexistence of incommensurate magnetism and superconductivity in Fe _{1+y} SexTe _{1-x} . <i>Physical Review B</i> , 2009 , 80,	3.3	112
102	Magnetic Coulomb phase in the spin ice Ho ₂ Ti ₂ O ₇ . <i>Science</i> , 2009 , 326, 415-7	33.3	398
101	Coherent Orbital Waves in Manganites. <i>Springer Series in Chemical Physics</i> , 2009 , 170-172	0.3	
100	Structure and superconductivity of LiFeAs. <i>Chemical Communications</i> , 2008 , 5918-20	5.8	256
99	High-energy spin excitations in BaFe ₂ As ₂ observed by inelastic neutron scattering. <i>Physical Review B</i> , 2008 , 78,	3.3	113
98	Temperature evolution of the magnetic excitations in charge ordered La _{5/3} Sr _{1/3} NiO ₄ . <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 104229	1.8	4
97	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
96	Low-energy collective dynamics of charge stripes in the doped nickelate La _{2-x} Sr _x NiO ₄ observed with optical conductivity measurements. <i>Physical Review B</i> , 2008 , 77,	3.3	9
95	Strain-induced first-order orbital flip transition and coexistence of charge-orbital ordered phases in Pr _{0.5} Ca _{0.5} MnO ₃ . <i>Physical Review B</i> , 2008 , 78,	3.3	18
94	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
93	X-ray resonant diffraction study of multiferroic DyMn ₂ O ₅ . <i>Physical Review B</i> , 2008 , 77,	3.3	31

92	Spin reorientation and glassy dynamics in La _{1.55} Sr _{0.45} NiO ₄ . <i>Physical Review B</i> , 2008 , 78,	3.3	11
91	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
90	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
89	X-ray scattering study of the order parameters in multiferroic TbMnO ₃ . <i>Physical Review B</i> , 2007 , 76,	3.3	43
88	Magnetic excitations of charge-ordered La ₂ NiO _{4.11} . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 760-762	2.8	3
87	Patterning of sodium ions and the control of electrons in sodium cobaltate. <i>Nature</i> , 2007 , 445, 631-4	50.4	195
86	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
85	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
84	Local matrix-cluster interactions in a phase separated perovskite. <i>Physical Review B</i> , 2006 , 74,	3.3	18
83	Spin gaps and magnetic structure of Na _x CoO ₂ . <i>Physical Review B</i> , 2006 , 73,	3.3	24
82	Magnetization of La _{2-x} Sr _x NiO _{4+δ} : Spin-glass and memory effects. <i>Physical Review B</i> , 2006 , 73,	3.3	20
81	Effect of uniaxial pressure on charge transport in the layered manganite La _{1.25} Sr _{1.75} Mn ₂ O ₇ . <i>Physical Review B</i> , 2006 , 73,	3.3	11
80	Three-dimensional spin fluctuations in Na _{0.75} CoO ₂ . <i>Physical Review Letters</i> , 2005 , 94, 157206	7.4	95
79	Spin dynamics of half-doped La _{3-x} Sr _{1-x} NiO ₄ . <i>Physical Review B</i> , 2005 , 71,	3.3	20
78	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
77	Probing orbital order with soft x-rays: the case of the manganites. <i>New Journal of Physics</i> , 2005 , 7, 80-80.9		8
76	Bulk single crystal growth and magnetic studies of La _{1-x} Sr _x CoO ₃ . <i>Journal of Crystal Growth</i> , 2005 , 275, e827-e832	1.6	20
75	Effect of pressure and magnetic field on bilayer La _{1.25} Sr _{1.75} Mn ₂ O ₇ single crystal. <i>Solid State Communications</i> , 2005 , 136, 292-296	1.6	4

74	Charge stripe glasses in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ for 0.20 <i>European Physical Journal B</i> , 2005 , 46, 27-32	1.2	4
73	Direct Observation of Orbital Ordering in Layered Manganites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2005 , 18, 687-691		1
72	Resonant soft X-ray diffraction - in extremis. <i>Journal of Synchrotron Radiation</i> , 2005 , 12, 434-41	2.4	6
71	Optical conductivity and charge ordering in Na_xCoO_2 . <i>Physical Review B</i> , 2005 , 72,	3.3	18
70	Mapping spin-wave dispersions in stripe-ordered $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($x=0.275, 0.333$). <i>Physical Review B</i> , 2005 , 72,	3.3	46
69	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
68	Resonant soft x-ray scattering investigation of orbital and magnetic ordering in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$. <i>Physical Review B</i> , 2005 , 71,	3.3	55
67	Orbital bi-stripes in highly doped bilayer manganites. <i>Physical Review B</i> , 2005 , 72,	3.3	16
66	Observation of magnetic excitons in LaCoO_3 . <i>Europhysics Letters</i> , 2005 , 70, 677-683	1.6	34
65	Phonon dispersion relations in $\text{PrBa}_2\text{Cu}_3\text{O}_{6+x}$ ($x \approx 0.2$). <i>Physical Review B</i> , 2004 , 69,	3.3	1
64	Critical behavior dependence on Sr concentration in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2004 , 95, 7366-7368	2.5	3
63	Cooperative Jahn-Teller distortion in PrO_2 . <i>Physical Review B</i> , 2004 , 70,	3.3	23
62	Stripe order and magnetic transitions in $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$. <i>Physical Review B</i> , 2004 , 70,	3.3	26
61	Field-induced magnetic and structural domain alignment in PrO_2 . <i>Physical Review B</i> , 2004 , 70,	3.3	8
60	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
59	Soft X-ray resonant magnetic diffraction. <i>Physica B: Condensed Matter</i> , 2004 , 345, 11-14	2.8	2
58	Magnetic order and dynamics in stripe-ordered $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$. <i>Physica B: Condensed Matter</i> , 2004 , 345, 1-5	2.8	14
57	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

56	Crystal growth of Na_xCoO_2 under different atmospheres. <i>Journal of Crystal Growth</i> , 2004 , 271, 74-80	1.6	26
55	Critical behavior of $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0 \leq x \leq 0.35$) by thermal diffusivity measurements. <i>Physical Review B</i> , 2004 , 70,	3.3	50
54	Ferromagnetic in-plane spin fluctuations in Na_xCoO_2 observed by neutron inelastic scattering. <i>Physical Review Letters</i> , 2004 , 92, 197201	7.4	106
53	Resonant Soft Energy X-Ray Diffraction of Charge, Spin and Orbital Ordering. <i>Advances in Solid State Physics</i> , 2004 , 467-478		2
52	A μ -SR study of the rare earth antiferromagnet PrO_2 . <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 8407-84156		
51	Growth and magnetic characterization of large R_2NiO_4 ($\text{R}=\text{Pr}, \text{Nd}$) single crystals. <i>Journal of Materials Science: Materials in Electronics</i> , 2003 , 14, 583-586	2.1	1
50	Single-crystal growth of $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ under pressure. <i>Journal of Materials Science: Materials in Electronics</i> , 2003 , 14, 587-589	2.1	13
49	Preparation of large single crystals of ANb_2O_6 ($\text{A}=\text{Ni}, \text{Co}, \text{Fe}, \text{Mn}$) by the floating-zone method. <i>Journal of Crystal Growth</i> , 2003 , 250, 72-76	1.6	27
48	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
47	Observation of three-dimensional Heisenberg-like ferromagnetism in single crystal $\text{La}_{0.875}\text{Sr}_{0.125}\text{MnO}_3$. <i>Physical Review B</i> , 2003 , 68,	3.3	54
46	Charge ordering and structural distortions at low temperature in $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ ($x=0.475$ and 0.5). <i>Physical Review B</i> , 2003 , 67,	3.3	26
45	Spin correlations among the charge carriers in an ordered stripe phase. <i>Physical Review Letters</i> , 2003 , 91, 257201	7.4	35
44	Magnetic state of Yb in Kondo-lattice $\text{YbNi}_2\text{B}_2\text{C}$. <i>Physical Review B</i> , 2003 , 67,	3.3	14
43	Spin dynamics in stripe-ordered $\text{La}_{5/3}\text{Sr}_{1/3}\text{NiO}_4$. <i>Physical Review B</i> , 2003 , 67,	3.3	48
42	Soft X-ray resonant magnetic diffraction. <i>Physical Review Letters</i> , 2003 , 90, 187201	7.4	76
41	Direct observation of orbital ordering in $\text{La}_{0.5}\text{Sr}_{1.5}\text{MnO}_4$ using soft x-ray diffraction. <i>Physical Review Letters</i> , 2003 , 91, 167205	7.4	137
40	Dispersive magnetic excitations in non-superconducting $\text{PrBa}_2\text{Cu}_3\text{O}_{6+x}$ ($x \approx 0.93$). <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s898-s900	2.6	3
39	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

38	Spin reorientation transition in the incommensurate stripe-ordered phase of $\text{La}_{3/2}\text{Sr}_{1/2}\text{NiO}_4$. <i>Physical Review B</i> , 2002 , 66,	3.3	24
37	X-RAY SCATTERING STUDIES OF CHARGE STRIPES IN $\text{La}_{2-x}\text{Sr}_x\text{NiO}_4$ ($x=0.20-0.33$). <i>International Journal of Modern Physics B</i> , 2002 , 16, 1633-1640	1.1	3
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34	Coupled magnetic excitations in single crystal $\text{PrBa}_2\text{Cu}_3\text{O}_{6.2}$. <i>Physical Review Letters</i> , 2001 , 86, 5994-7	4.7	7
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31	Magnetic ordering of Nd^{3+} in single-crystal $\text{NdBa}_2\text{Cu}_3\text{O}_{6+x}$. <i>Physical Review B</i> , 1999 , 60, 1400-1408	3.3	5
30	Penetration depth of $\text{YBa}_2\text{Cu}_3\text{O}_7$ measured by polarised neutron reflectometry. <i>Physica B: Condensed Matter</i> , 1998 , 248, 163-165	2.8	3
29	Incommensurate magnetism in $\text{PrBa}_2\text{Cu}_3\text{O}_{6.92}$. <i>Physical Review B</i> , 1998 , 58, 11211-11214	3.3	15
28	The magnetic states of in. <i>Journal of Physics Condensed Matter</i> , 1997 , 9, 2275-2294	1.8	1
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26	Neutron crystal field relaxation spectroscopy in superconductors. <i>Neutron News</i> , 1997 , 8, 28-33	0.4	1
25	Evidence for Extreme Gap Anisotropy in $\text{Ho}_{0.1}\text{Y}_{0.9}\text{Ba}_2\text{Cu}_3\text{O}_7$ from Neutron Spectroscopy of Ho^{3+} . <i>Physical Review Letters</i> , 1996 , 77, 1600-1603	7.4	33
24	Magnetic ordering in $\text{PrBa}_2\text{Cu}_3\text{-yAl}_y\text{O}_{6+x}$. <i>Physical Review B</i> , 1996 , 53, 9382-9395	3.3	34
23	Incommensurate One-Dimensional Fluctuations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.93}$. <i>Physical Review Letters</i> , 1996 , 77, 370-373	7.4	49
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13	High-energy spin waves in bcc iron. <i>Journal of Applied Physics</i> , 1991 , 69, 6219-6221	2.5	30
12	Magnetic properties of holmium in yttrium. <i>Physica B: Condensed Matter</i> , 1991 , 174, 39-42	2.8	3
11	Crystal field excitations in electron superconductors. <i>Bulletin of Materials Science</i> , 1991 , 14, 607-611	1.7	2
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9	Static properties of star-branched polymers in dilute solution. <i>Macromolecules</i> , 1991 , 24, 5215-5217	5.5	6
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7	Conformation of star polymers without excluded volume. <i>Macromolecules</i> , 1990 , 23, 1729-1734	5.5	11
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4	Small-angle neutron scattering from star-branched polymers in the molten state. <i>Macromolecules</i> , 1989 , 22, 681-686	5.5	62
3	Small-angle neutron scattering from star-branched polymers in dilute solution. <i>Macromolecules</i> , 1989 , 22, 3130-3137	5.5	22

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