

Tapan Chatterji

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168
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3,460
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29
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177
ext. papers

3,741
ext. citations

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avg, IF

5
L-index

#	Paper	IF	Citations
168	Lattice and magnetic instabilities in CaFe ₂ As ₂ : A single-crystal neutron diffraction study. <i>Physical Review B</i> , 2008 , 78,	3.3	283
167	Similarities between structural distortions under pressure and chemical doping in superconducting BaFe ₂ As ₂ . <i>Nature Materials</i> , 2009 , 8, 471-5	27	243
166	Magnetic structure of EuFe ₂ As ₂ determined by single-crystal neutron diffraction. <i>Physical Review B</i> , 2009 , 80,	3.3	139
165	Crystal structure and physical properties of half-doped manganite nanocrystals of less than 100-nm size. <i>Physical Review B</i> , 2008 , 77,	3.3	128
164	Magnetic ordering and negative thermal expansion in PrFeAsO. <i>Physical Review B</i> , 2008 , 78,	3.3	87
163	Volume collapse in LaMnO ₃ caused by an orbital order-disorder transition. <i>Physical Review B</i> , 2003 , 68,	3.3	83
162	Neutron diffraction and polarimetric study of the magnetic and crystal structures of HoMnO ₃ and YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2006 , 18, 10085-10096	1.8	73
161	Understanding the insulating phase in colossal magnetoresistance manganites: shortening of the Jahn-Teller long-bond across the phase diagram of La _{1-x} Ca _x MnO ₃ . <i>Physical Review Letters</i> , 2007 , 98, 137203	7.4	64
160	Negative thermal expansion of ReO ₃ in the extended temperature range. <i>Applied Physics Letters</i> , 2009 , 94, 241902	3.4	62
159	Commensurate magnetic structures of RMn ₂ O ₅ (R=Y, Ho, Bi) determined by single-crystal neutron diffraction. <i>Physical Review B</i> , 2008 , 77,	3.3	62
158	Negative thermal expansion of ReO ₃ : Neutron diffraction experiments and dynamical lattice calculations. <i>Physical Review B</i> , 2008 , 78,	3.3	62
157	Magnetic order in the CaFe _{1-x} CoxAsF (x=0.00, 0.06, 0.12) superconducting compounds. <i>Physical Review B</i> , 2009 , 79,	3.3	55
156	Inelastic neutron scattering and lattice-dynamical calculations of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	54
155	Multiferroic coupling in nanoscale BiFeO ₃ . <i>Applied Physics Letters</i> , 2011 , 99, 073106	3.4	49
154	Reentrant behavior of the charge and orbital ordering and antiferromagnetism in LaSr ₂ Mn ₂ O ₇ . <i>Physical Review B</i> , 2000 , 61, 570-574	3.3	48
153	Spin waves in the quasi-two-dimensional ferromagnetic bilayer manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 1999 , 60, R6965-R6968	3.3	47
152	Size induced arrest of the room temperature crystallographic structure in nanoparticles of La _{0.5} Ca _{0.5} MnO ₃ . <i>Applied Physics Letters</i> , 2008 , 92, 123104	3.4	46

151	Magnetization-steps in Y ₂ CoMnO ₆ double perovskite: The role of antisite disorder. <i>Journal of Applied Physics</i> , 2014 , 116, 123907	2.5	44
150	Field-induced spin reorientation and giant spin-lattice coupling in EuFe ₂ As ₂ . <i>Physical Review B</i> , 2010 , 81,	3.3	43
149	Electric field switching of antiferromagnetic domains in YMn ₂ O ₅ : a probe of the multiferroic mechanism. <i>Physical Review Letters</i> , 2008 , 101, 067205	7.4	41
148	Soft-phonon mediated structural phase transition in GeTe. <i>Physical Review B</i> , 2014 , 89,	3.3	40
147	Jahn-Teller transition in La _{1-x} Sr _x MnO ₃ in the low-doping region (0. <i>Physical Review B</i> , 2002 , 66,	3.3	39
146	Anomalous temperature-induced volume contraction in GeTe. <i>Physical Review B</i> , 2015 , 91,	3.3	37
145	Metamagnetism and soliton excitations in the modulated ferromagnetic Ising chain CoV ₂ O ₆ . <i>Physical Review B</i> , 2011 , 84,	3.3	35
144	The ground state of NaV ₂ O ₅ . <i>Solid State Communications</i> , 1998 , 108, 23-26	1.6	34
143	Spin dynamics of YMnO ₃ studied via inelastic neutron scattering and the anisotropic Hubbard model. <i>Physical Review B</i> , 2007 , 76,	3.3	33
142	Antiferromagnetic phase transition and spin correlations in NiO. <i>Physical Review B</i> , 2009 , 79,	3.3	32
141	Orbital moment determination of simple transition metal oxides using magnetic X-ray diffraction. <i>Journal of Physics and Chemistry of Solids</i> , 2001 , 62, 2173-2180	3.9	31
140	Neutron diffraction investigation of the magnetic structure and magnetoelastic effects in NdMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 306001	1.8	30
139	Structure determination, valence, and superexchange in the dimerized low temperature phase of Na ₂ V ₂ O ₅ . <i>European Physical Journal B</i> , 2001 , 21, 535-546	1.2	29
138	Spin dynamics of La _{0.7} Ba _{0.3} MnO ₃ . <i>Physical Review B</i> , 2002 , 66,	3.3	29
137	Lattice dynamics of rhenium trioxide from the quasiharmonic approximation. <i>Physical Review B</i> , 2010 , 82,	3.3	28
136	Glassy magnetic phase driven by short-range charge and magnetic ordering in nanocrystalline La _{1/3} Sr _{2/3} FeO ₃ —Magnetization, Mössbauer, and polarized neutron studies. <i>Physical Review B</i> , 2012 , 86,	3.3	28
135	Charge ordering and spin dynamics in NaV ₂ O ₅ . <i>Physical Review Letters</i> , 2001 , 86, 5966-9	7.4	28
134	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	27

133	Giant pressure-induced volume collapse in the pyrite mineral MnS ₂ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 5106-10	11.5	26
132	Neutron powder diffraction study of nuclear and magnetic structures of multiferroic (Bi _{0.8} Ba _{0.2})(Fe _{0.8} Ti _{0.2})O ₃ : Evidence for isostructural phase transition and magnetoelastic and magnetoelectric couplings. <i>Physical Review B</i> , 2011 , 83,	3.3	26
131	Negative thermal expansion in ZnF ₂ . <i>Applied Physics Letters</i> , 2011 , 98, 181911	3.4	26
130	Magnetoelastic effects in Jahn-Teller distorted CrF ₃ and CuF ₂ studied by neutron powder diffraction. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 276007	1.8	25
129	Core level photoemission study of polycrystalline MgB ₂ . <i>Solid State Communications</i> , 2004 , 131, 343-347	1.6	25
128	Non-stoichiometry and the magnetic structure of Sr ₂ CrO ₃ FeAs. <i>Europhysics Letters</i> , 2010 , 89, 37006	1.6	24
127	An unified view of the spin dynamics in two- and three-dimensional magnetic systems. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 205, 343-356	2.8	24
126	Magnetic lattice dynamics of the oxygen-free FeAs pnictides: how sensitive are phonons to magnetic ordering?. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 315701	1.8	23
125	Orbital order-disorder transition in La _{1-x} BaxMnO ₃ in the low-doping region. <i>Solid State Communications</i> , 2004 , 131, 75-80	1.6	23
124	Low-energy magnetic excitations in double-layered manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Europhysics Letters</i> , 1999 , 46, 801-807	1.6	23
123	Phonon dynamics in Sr _{0.6} K _{0.4} Fe ₂ As ₂ and Ca _{0.6} Na _{0.4} Fe ₂ As ₂ from neutron scattering and lattice-dynamical calculations. <i>Physical Review B</i> , 2008 , 78,	3.3	22
122	LiBx (0.82 <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006 , 632, 1737-1742	1.3	21
121	Critical fluctuations in the weak itinerant ferromagnet Ni ₃ Al: A comparison between self-consistent renormalization and mode-mode coupling theory. <i>Physical Review B</i> , 2000 , 62, 1083-1088	3.3	21
120	Correlations of the Nd Magnetic Moments and Their Influence on the Specific Heat in Nd _{2-x} CexCuO ₄ . <i>Physical Review Letters</i> , 1998 , 80, 1300-1303	7.4	21
119	Effects of magnetic doping and temperature dependence of phonon dynamics in CaFe _{1-x} CoxAsF compounds (x=0, 0.06, and 0.12). <i>Physical Review B</i> , 2009 , 79,	3.3	20
118	Nuclear spin excitations in Nd ₂ CuO ₄ . <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 252-253	2.8	20
117	Persistent spin waves above the Néel temperature in YMnO ₃ . <i>Physical Review B</i> , 2007 , 76,	3.3	19
116	Neutron diffraction study of phase transitions and thermal expansion of SrFeAsF. <i>Physical Review B</i> , 2010 , 81,	3.3	18

115	Direct evidence for the Nd magnetic ordering in NdMnO ₃ from the hyperfine field splitting of Nd nuclear levels. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 126003	1.8	18
114	Neutron diffraction investigation of the magneto-elastic effect in LaMnO ₃ . <i>Physical Review B</i> , 2008 , 77,	3.3	18
113	Magnetocaloric effect in RA12 (R = Nd, Sm, and Tm): Promising for cryogenic refrigeration close to liquid helium temperature. <i>Journal of Alloys and Compounds</i> , 2012 , 531, 55-58	5.7	17
112	Phonon spectra in CaFe ₂ As ₂ and Ca _{0.6} Na _{0.4} Fe ₂ As ₂ : Measurement of the pressure and temperature dependence and comparison with ab initio and shell model calculations. <i>Physical Review B</i> , 2009 , 79,	3.3	17
111	Temperature evolution of magnetic structure of HoFeO ₃ by single crystal neutron diffraction. <i>AIP Advances</i> , 2017 , 7, 045106	1.5	16
110	Pressure- and temperature-induced M3 phonon softening in ReO ₃ . <i>Physical Review B</i> , 2009 , 79,	3.3	16
109	Nuclear spin excitations in Nd. <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s652-s654	2.6	16
108	Muon spin rotation investigation of the S= 1/2 triangular lattice LiNiO ₂ . <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 1341-1350	1.8	16
107	Colossal magnetoresistance and re-entrant charge ordering in single crystalline two layer Mn perovskite LaSr ₂ Mn ₂ O ₇ . <i>Solid State Communications</i> , 1999 , 113, 267-271	1.6	16
106	Hyperfine and crystal field interactions in multiferroic HoCrO ₃ . <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 476001	1.8	15
105	Evolution of magnetic phases in SmCrO ₃ : A neutron diffraction and magnetometric study. <i>Physical Review B</i> , 2017 , 96,	3.3	15
104	Temperature evolution of the magnetic structure of TbMn ₂ O ₅ . <i>Physical Review B</i> , 2011 , 84,	3.3	15
103	Low-energy nuclear spin excitations in NdMg ₃ and NdCo ₂ . <i>Physical Review B</i> , 2008 , 78,	3.3	15
102	Low energy nuclear spin excitations in NdGaO ₃ . <i>Solid State Communications</i> , 2004 , 131, 453-457	1.6	15
101	Quantum spin dynamics of the bilayer ferromagnet La Sr Mn O. <i>European Physical Journal B</i> , 2002 , 27, 287-297	1.2	15
100	Emergence of pressure-induced metamagnetic-like state in Mn-doped CdGeAs ₂ chalcopyrite. <i>Applied Physics Letters</i> , 2013 , 103, 192403	3.4	14
99	Antiferromagnetic spin correlations in MnO nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 3333-3336	2.8	14
98	Determination of the magnetic structures of the field-induced phases of HoMnO ₃ . <i>Physical Review B</i> , 2008 , 77,	3.3	14

97	Volume collapse in LaMnO ₃ at the Jahn-Teller transition temperature. <i>Physical Review B</i> , 2004 , 69,	3.3	14
96	Nuclear spin excitations in NdCu ₂ . <i>Physica B: Condensed Matter</i> , 2004 , 350, E111-E114	2.8	14
95	Spin dynamics of quasi-2D ferromagnet La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Journal of Alloys and Compounds</i> , 2001 , 326, 15-26	5.7	14
94	Magnetic structures and magnetic phase transitions in the Mn-doped orthoferrite TbFeO ₃ studied by neutron powder diffraction. <i>Journal of Applied Physics</i> , 2016 , 119, 053901	2.5	14
93	Anomalous in-plane magnetoresistance in a EuFe ₂ As ₂ single crystal: Evidence of strong spin-charge-lattice coupling. <i>Physical Review B</i> , 2012 , 85,	3.3	13
92	On the structure and twinning of PtAl ₄ . <i>Journal of Alloys and Compounds</i> , 2008 , 455, 130-136	5.7	13
91	CoF ₂ : a model system for magnetoelastic coupling and elastic softening mechanisms associated with paramagnetic \leftrightarrow antiferromagnetic phase transitions. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 146001	1.8	12
90	Local structure of ReO ₃ at ambient pressure from neutron total-scattering study. <i>Physical Review B</i> , 2012 , 86,	3.3	12
89	Magnetoelastic effects in multiferroic YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 336003	1.8	12
88	Pressure-induced structural phase transition in ReO ₃ . <i>Solid State Communications</i> , 2006 , 139, 12-15	1.6	12
87	Diffuse magnetic scattering above TC in quasi-two-dimensional La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 2002 , 65,	3.3	12
86	Spin-lattice coupling and frustrated magnetism in Fe-doped hexagonal LuMnO ₃ . <i>Europhysics Letters</i> , 2015 , 110, 37007	1.6	11
85	A theoretical and experimental study of the crystal structure of H ₂ V ₃ O ₈ . <i>RSC Advances</i> , 2015 , 5, 106543-106550	3.1	10
84	Magnetoelastic effect in MF ₂ (M = Mn, Fe, Ni) investigated by neutron powder diffraction. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 316001	1.8	11
83	Volume contraction and resistivity drop at the Jahn-Teller transition in La _{1-x} CaxMnO ₃ . <i>Physical Review B</i> , 2006 , 73,	3.3	11
82	Role of local short-scale correlations in the mechanism of negative magnetization. <i>Physical Review B</i> , 2019 , 99,	3.3	10
81	Contrasting the magnetism in La _{2-x} SrxFeCoO ₆ (x=0,1,2) double perovskites: The role of electronic and cationic disorder. <i>Physical Review B</i> , 2019 , 99,	3.3	10
80	Magnetic, magnetocaloric and magnetoresistive properties of cubic Laves phase HoAl ₂ single crystal. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 046004	1.8	10

79	Elastic anomalies associated with structural and magnetic phase transitions in single crystal hexagonal YMnO ₃ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 045901	1.8	10
78	Pressure control of magnetic clusters in strongly inhomogeneous ferromagnetic chalcopyrites. <i>Scientific Reports</i> , 2015 , 5, 7720	4.9	10
77	Structural and thermal properties of LaMnO ₃ from neutron diffraction and first principles studies. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 245402	1.8	10
76	Setup for polarized neutron imaging using in situ He cells at the Oak Ridge National Laboratory High Flux Isotope Reactor CG-1D beamline. <i>Review of Scientific Instruments</i> , 2017 , 88, 095103	1.7	9
75	Critical phenomena in Pr _{0.52} Sr _{0.48} MnO ₃ single crystal. <i>Journal of Alloys and Compounds</i> , 2013 , 577, 165-169	5.7	9
74	Low-energy nuclear spin excitations in NdAl ₂ . <i>Physical Review B</i> , 2009 , 79,	3.3	9
73	Understanding neutron scattering data in YMn ₂ O ₅ : An effective spin Hamiltonian. <i>Physical Review B</i> , 2011 , 84,	3.3	9
72	High pressure neutron diffraction investigation of CuO. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, S3057-S3062	1.8	9
71	Spin correlations in the bilayer manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Solid State Communications</i> , 1999 , 112, 235-239	1.6	9
70	Magnetic glass state and magnetoresistance in SrLaFeCoO double perovskite. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 095801	1.8	8
69	Changes in the magnetization hysteresis direction and structure-driven magnetoresistance of a chalcopyrite-based magnetic semiconductor. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 125007	3	8
68	Magnetic ordering in double perovskites R ₂ CoMnO ₆ (R = Y, Tb) investigated by high resolution neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 266005	1.8	8
67	The magnetoelastic effect in CoF ₂ investigated by means of neutron powder diffraction. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 096001	1.8	8
66	Natural ferroelectric order near ambient temperature in the orthoferrite HoFeO ₃ . <i>Physical Review B</i> , 2019 , 100,	3.3	8
65	Giant exchange bias in the single-layered Ruddlesden-Popper perovskite SrLaCo _{0.5} Mn _{0.5} O ₄ . <i>Physical Review B</i> , 2018 , 98,	3.3	8
64	Spin-driven symmetry breaking in the frustrated fcc pyrite MnS ₂ . <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 226003	1.8	7
63	Inelastic neutron scattering study of crystal field excitations of Nd ³⁺ in NdFeAsO. <i>Physical Review B</i> , 2013 , 88,	3.3	7
62	Magnetization distribution in the tetragonal phase of BaFe ₂ As ₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	7

61	Low-energy nuclear spin excitations in CoO. <i>Physical Review B</i> , 2009 , 79,	3.3	7
60	Magnetization distribution in the ordered Fe ₇₂ Pt ₂₈ Invar alloy. <i>Journal of Physics Condensed Matter</i> , 2004 , 16, 5349-5358	1.8	7
59	Spin dynamics of the quasi-two-dimensional ferromagnetic bilayer manganite La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 2005 , 72,	3.3	7
58	Soft-phonon dynamics of the thermoelectric Bi ₂ Se ₃ at high temperatures. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018 , 382, 1937-1941	2.3	6
57	Single crystal polarized neutron diffraction study of the magnetic structure of HoFeO. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 385802	1.8	6
56	Weak ferromagnetism and magnetic phase transitions in Gd ₂ CuO ₄ . <i>Physical Review B</i> , 2011 , 84,	3.3	6
55	Magnetic Ordering and Spin Dynamics of Ba _{1-x} Eu _x Si Phases. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011 , 637, 825-833	1.3	6
54	Direct evidence for the magnetic ordering of Nd ions in NdFeAsO by high-resolution inelastic neutron scattering. <i>Physical Review B</i> , 2011 , 84,	3.3	6
53	Anomalous hyperfine interaction in CoF ₂ investigated by high resolution neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 436008	1.8	6
52	Neutron scattering investigations of multiferroic YMnO ₃ 2008 , 71, 847-858		6
51	Coexistence of ferromagnetic and antiferromagnetic spin correlations in La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Physical Review B</i> , 2006 , 73,	3.3	6
50	High-energy non-resonant X-ray magnetic scattering from EuAs ₃ . <i>Solid State Communications</i> , 2004 , 131, 713-717	1.6	6
49	Direct Observation of Anapoles by Neutron Diffraction. <i>Physical Review Letters</i> , 2019 , 122, 047203	7.4	5
48	Effect of size reduction on the structural and magnetic order in LaMnO ₃ nanocrystals: a neutron diffraction study. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 025603	1.8	5
47	Direct evidence for the magnetic ordering of Nd ions in NdMn ₂ Si ₂ and NdMn ₂ Ge ₂ by high resolution inelastic neutron scattering. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 1030-1033	2.8	5
46	Hyperfine interaction in Co ₂ SiO ₄ investigated by high resolution neutron spectroscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 3148-3152	2.8	5
45	Doped holes and Mn valence in manganites: a polarized soft x-ray absorption study of LaMnO ₃ and quasi-2D manganite systems. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 055215	1.8	5
44	Charge ordering and spin dynamics in NaV ₂ O ₅ . <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 626-627	2.8	5

43	Dynamics of the phase-change material GeTe across the structural phase transition. <i>Frontiers of Physics</i> , 2019 , 14, 1	3.7	5
42	Spin waves in the fcc lattice antiferromagnet: competing interactions, frustration, and instabilities in the Hubbard model. <i>Journal of Applied Physics</i> , 2017 , 121, 073903	2.5	4
41	Polarized single crystal neutron diffraction study of the zero-magnetization ferromagnet $\text{Sm}_{1-x}\text{Gd}_x\text{Al}_2$ ($x=0.024$). <i>Physical Review B</i> , 2018 , 97,	3.3	4
40	Low-field-enhanced unusual hysteresis produced by metamagnetism of the MnP clusters in the insulating CdGeP_2 matrix under pressure. <i>Physical Review B</i> , 2016 , 94,	3.3	4
39	Low energy nuclear spin excitations in HoAl_2 investigated by high resolution neutron spectroscopy. <i>Solid State Communications</i> , 2013 , 161, 42-45	1.6	4
38	Field dependence of the magnetic structure of TbMn_2O_5 . <i>Journal of Applied Physics</i> , 2014 , 116, 203904	2.5	4
37	Direct observation of low energy nuclear spin excitations in HoCrO_3 by high resolution neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 286003	1.8	4
36	Electronic origins of the giant volume collapse in the pyrite mineral MnS_2 . <i>Journal of Solid State Chemistry</i> , 2019 , 269, 540-546	3.3	4
35	Low energy nuclear spin excitations in Ho metal investigated by high resolution neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 156002	1.8	3
34	Strain heterogeneity and magnetoelastic behaviour of nanocrystalline half-doped La, Ca manganite, $\text{La}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$. <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 435303	1.8	3
33	Soft X-ray resonant scattering study of single-crystal $\text{LaSr}_2\text{Mn}_2\text{O}_7$. <i>European Physical Journal B</i> , 2010 , 74, 457-461	1.2	3
32	Hyperfine interaction and electronic spin fluctuation study on $\text{Sr}_2-x\text{La}_x\text{FeCoO}_6$ ($x = 0, 1, 2$) by high-resolution backscattering neutron spectroscopy. <i>Physical Review B</i> , 2018 , 98,	3.3	3
31	Coexistence of Eu antiferromagnetism and pressure-induced superconductivity in single-crystal EuFe_2As_2 . <i>Physical Review B</i> , 2019 , 100,	3.3	2
30	Magnetic excitations in frustrated fcc type-III antiferromagnet MnS . <i>Journal of Physics Condensed Matter</i> , 2019 , 31, 125802	1.8	2
29	Structure-Dependent Magnetoresistance in the $\text{Zn}_{0.1}\text{Cd}_{0.9}\text{GeAs}_2 + \text{MnAs}$ Hybrid Nanocomposite. <i>JETP Letters</i> , 2018 , 107, 612-617	1.2	2
28	Magnetoelastic effects in multiferroic HoMnO_3 . <i>Solid State Communications</i> , 2014 , 180, 46-51	1.6	2
27	Phonons in lanthanum manganite: Inelastic neutron scattering and density functional theory studies. <i>Physical Review B</i> , 2012 , 86,	3.3	2
26	Spin dynamics of the quasi-two-dimensional ferromagnetic bilayer manganite. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 428-431	2.8	2

25	Magnetic diffuse scattering from Nd above T_N and deduced exchange interaction parameters. <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 286201	1.8	2
24	Charge/orbital and antiferromagnetic ordering in $\text{LaSr}_2\text{Mn}_2\text{O}_7$. <i>Physica B: Condensed Matter</i> , 2000 , 289-290, 65-68	2.8	2
23	Henggeler et al. Reply. <i>Physical Review Letters</i> , 1999 , 82, 2218-2218	7.4	2
22	Quasielastic and low-energy inelastic neutron scattering study of HoCrO by high resolution time-of-flight neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 475802	1.8	1
21	Phonon-magnon coupling in CoF_2 investigated by time-of-flight neutron spectroscopy. <i>Solid State Communications</i> , 2013 , 174, 55-62	1.6	1
20	Direct evidence for nuclear spin waves in Nd_2CuO_4 by high-resolution neutron-spin-echo spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013 , 25, 476002	1.8	1
19	Anomaly in structural noncentrosymmetry around T_N in bulk and nanoscale BiFeO_3 . <i>Powder Diffraction</i> , 2013 , 28, S94-S105	1.8	1
18	Anisotropic Magnetocaloric Effect in Single-crystalline $\text{Pr}_{0.52}\text{Sr}_{0.48}\text{MnO}_3$. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011 , 24, 775-777	1.5	1
17	Observation of the flux line lattice in $(\text{La}_{1-x}\text{Sr}_x)_2\text{CuO}_4$ single crystals. <i>Solid State Communications</i> , 1998 , 107, 291-293	1.6	1
16	Spin dynamics of bilayer manganites 2004 , 63, 143-153		1
15	NR investigation of the magnetic ordering in EuAs_3 . <i>Solid State Communications</i> , 2004 , 132, 617-622	1.6	1
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