

# Tapan Chatterji

## List of Publications by Year in descending order

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172  
papers

3,970  
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147726

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177  
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177  
docs citations

177  
times ranked

4361  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lattice and magnetic instabilities in $\text{CaFe}_2\text{As}_2$ : A single-crystal neutron diffraction study. Physical Review B, 2008, 78, .	2.1	298
2	Similarities between structural distortions under pressure and chemical doping in superconducting $\text{BaFe}_2\text{As}_2$ . Nature Materials, 2009, 8, 471-475.	13.3	266
3	Magnetic structure of $\text{EuFe}_2\text{As}_2$ by single-crystal neutron diffraction. Physical Review B, 2009, 80, .	1.1	152
4	Crystal structure and physical properties of half-doped manganite nanocrystals of less than 100-nm size. Physical Review B, 2008, 77, .	1.1	135
5	Magnetic ordering and negative thermal expansion in $\text{PrFeAsO}$ . Physical Review B, 2008, 78, .	1.1	94
6	Volume collapse in $\text{LaMnO}_3$ caused by an orbital order-disorder transition. Physical Review B, 2003, 68, .	1.1	89
7	Neutron diffraction and polarimetric study of the magnetic and crystal structures of $\text{HoMnO}_3$ and $\text{YMnO}_3$ . Journal of Physics Condensed Matter, 2006, 18, 10085-10096.	0.7	86
8	Negative thermal expansion of $\text{ReO}_3$ : Neutron diffraction experiments and dynamical lattice calculations. Physical Review B, 2008, 78, .	1.1	78
9	$\text{Mn}_2\text{R}_5\text{O}_{12}$		

#	ARTICLE	IF	CITATIONS
19	Anomalous temperature-induced volume contraction in GeTe. Physical Review B, 2015, 91, .	1.1	49
20	Reentrant behavior of the charge and orbital ordering and antiferromagnetism in LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2000, 61, 570-574.	1.1	48
21	Spin waves in the quasi-two-dimensional ferromagnetic bilayer manganite La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 1999, 60, R6965-R6968.	1.1	47
22	Jahn-Teller transition in La <sup>x</sup> Sr <sub>1-x</sub> MnO <sub>3</sub> in the low-doping region (0 < x < 0.1). Physical Review B, 2002, 66, .	1.1	44
23	Electric Field Switching of Antiferromagnetic Domains in YMn <sub>2</sub> O <sub>5</sub> : A Probe of the Metamagnetism and soliton excitations in the modulated ferromagnetic Ising chain CoV		43
24	Metamagnetism and soliton excitations in the modulated ferromagnetic Ising chain CoV	1.1	39
25	Antiferromagnetic phase transition and spin correlations in NiO. Physical Review B, 2009, 79, .	1.1	38
26	Giant pressure-induced volume collapse in the pyrite mineral MnS <sub>2</sub> . Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 5106-5110.	3.3	37
27	Spin dynamics of YMnO <sub>3</sub> studied via inelastic neutron scattering and the anisotropic Hubbard model. Physical Review B, 2007, 76, .	1.1	36
28	Neutron diffraction investigation of the magnetic structure and magnetoelastic effects in NdMnO <sub>3</sub> . Journal of Physics Condensed Matter, 2009, 21, 306001.	0.7	35
29	The ground state of NaV <sub>2</sub> O <sub>5</sub> . Solid State Communications, 1998, 108, 23-26.	0.9	34
30	Orbital moment determination of simple transition metal oxides using magnetic X-ray diffraction. Journal of Physics and Chemistry of Solids, 2001, 62, 2173-2180.	1.9	33
31	Strong coupling of Sm and Fe magnetism in SmFeAsO as revealed by magnetic x-ray scattering. Physical Review B, 2011, 84, .	1.1	33
32	Anomalous magnetic field dependence of magnetocaloric effect at low temperature in Pr <sub>0.52</sub> Sr <sub>0.48</sub> MnO <sub>3</sub> single crystal. Journal of Applied Physics, 2010, 107, .	1.1	31
33	Negative thermal expansion in ZnF <sub>2</sub> . Applied Physics Letters, 2011, 98, .	1.5	31
34	Glassy magnetic phase driven by short-range charge and magnetic ordering in nanocrystalline La <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub>	1.1	31
35	Structure determination, valence, and superexchange in the dimerized low temperature phase of La <sup>±</sup> - NaV <sub>2</sub> O <sub>5</sub> . European Physical Journal B, 2001, 21, 535-546.	0.6	30
36			

#	ARTICLE	IF	CITATIONS
37	Spin dynamics of $\text{La}_{0.7}\text{Ba}_{0.3}\text{MnO}_3$ . <i>Physical Review B</i> , 2002, 66, .	1.1	29
38	Lattice dynamics of rhenium trioxide from the quasiharmonic approximation. <i>Physical Review B</i> , 2010, 82, .	1.1	29
39	Charge Ordering and Spin Dynamics in $\text{NaV}_2\text{O}_5$ . <i>Physical Review Letters</i> , 2001, 86, 5966-5969.	2.9	28
40	Core level photoemission study of polycrystalline $\text{MgB}_2$ . <i>Solid State Communications</i> , 2004, 131, 343-347.	0.9	28
41	Magnetoelastic effects in Jahn-Teller distorted $\text{CrF}_2$ and $\text{CuF}_2$ studied by neutron powder diffraction. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 276007.	0.7	28
42	$\text{LiBx}$ ( $0.82 < x < 1.0$ ) – an Incommensurate Composite Structure below 150 K. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2006, 632, 1737-1742.	0.6	27
43	Temperature evolution of magnetic structure of $\text{HoFeO}_3$ by single crystal neutron diffraction. <i>AIP Advances</i> , 2017, 7, .	0.6	26
44	Evolution of magnetic phases in $\text{SmCrO}_3$ : A neutron diffraction and magnetometric study. <i>Physical Review B</i> , 2017, 96, .	1.1	26
45	Non-stoichiometry and the magnetic structure of $\text{Sr}_2\text{CrO}_3\text{FeAs}$ . <i>Europhysics Letters</i> , 2010, 89, 37006.	0.7	25
46	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.	1.0	24
47	Critical fluctuations in the weak itinerant ferromagnet $\text{Ni}_3\text{Al}$ : A comparison between self-consistent renormalization and mode-mode coupling theory. <i>Physical Review B</i> , 2000, 62, 1083-1088.	1.1	24
48	Orbital order-disorder transition in $\text{La}_{1-x}\text{Ba}_x\text{MnO}_3$ in the low-doping region. <i>Solid State Communications</i> , 2004, 131, 75-80.	0.9	24
49	Direct evidence for the Nd magnetic ordering in $\text{NdMnO}_3$ from the hyperfine field splitting of Nd nuclear levels. <i>Journal of Physics Condensed Matter</i> , 2009, 21, 126003.	0.7	24
50	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.	0.7	24
51	Correlations of the Nd Magnetic Moments and Their Influence on the Specific Heat in $\text{Nd}_{2-x}\text{Ce}_x\text{CuO}_4$ . <i>Physical Review Letters</i> , 1998, 80, 1300-1303.	2.9	23
52	Low-energy magnetic excitations in double-layered manganite $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ . <i>Europhysics Letters</i> , 1999, 46, 801-807.	0.7	23
53	Phonon dynamics in $\text{Sr}_{0.6}\text{K}_{0.4}\text{Fe}_2\text{As}_2$ and $\text{Ca}_{0.6}\text{Na}_{0.4}\text{Fe}_2\text{As}_2$ from neutron scattering and lattice-dynamical calculations. <i>Physical Review B</i> , 2008, 78, .	1.1	23
54	Magnetocaloric effect in $\text{RAI}_2$ (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.	2.8	23

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55	Hyperfine and crystal field interactions in multiferroic $\text{HoCrO}_3$ . Journal of Physics Condensed Matter, 2016, 28, 476001.	0.7	23
56	Persistent spin waves above the Néel temperature in $\text{YMnO}_3$ . Physical Review B, 2007, 76, .	1.1	22
57	Natural ferroelectric order near ambient temperature in the orthoferrite $\text{HoFeO}_3$ . Physical Review B, 2019, 100, .	2.1	21
58	Colossal magnetoresistance and re-entrant charge ordering in single crystalline two layer Mn perovskite $\text{LaSr}_2\text{Mn}_2\text{O}_7$ . Solid State Communications, 1999, 113, 267-271.	0.9	20
59	Nuclear spin excitations in $\text{Nd}_2\text{CuO}_4$ . Physica B: Condensed Matter, 2000, 276-278, 252-253.	1.3	20
60	On the structure and twinning of $\text{PtAl}_4$ . Journal of Alloys and Compounds, 2008, 455, 130-136.	2.8	20
61	Effects of magnetic doping and temperature dependence of phonon dynamics in $\text{CaFe}_{1-x}\text{Co}_x\text{AsF}$ compounds ( $x=0, 0.06, \text{ and } 0.12$ ). Physical Review B, 2009, 79, .	1.1	20
62	Neutron diffraction study of phase transitions and thermal expansion of $\text{SrFeAsF}$ . Physical Review B, 2010, 81, .	1.1	20
63	Pressure- and temperature-induced phonon softening in $\text{ReO}_3$ . Physical Review B, 2009, 79, .	1.1	19
64	Elastic anomalies associated with structural and magnetic phase transitions in single crystal hexagonal $\text{YMnO}_3$ . Journal of Physics Condensed Matter, 2014, 26, 045901.	0.7	19
65	Role of local short-scale correlations in the mechanism of negative magnetization. Physical Review B, 2019, 99, .	1.1	19
66	Neutron diffraction investigation of the magneto-elastic effect in $\text{LaMnO}_3$ . Physical Review B, 2008, 77, .	1.1	18
67	Magnetoelastic effects in multiferroic $\text{YMnO}_3$ . Journal of Physics Condensed Matter, 2012, 24, 336003.	0.7	18
68	Magnetic structures and magnetic phase transitions in the Mn-doped orthoferrite $\text{TbFeO}_3$ studied by neutron powder diffraction. Journal of Applied Physics, 2016, 119, .	1.1	18
69	Muon spin rotation investigation of the $S=1/2$ triangular lattice $\text{LiNiO}_2$ . Journal of Physics Condensed Matter, 2005, 17, 1341-1350.	0.7	17
70	Phonon spectra in $\text{CaFe}_2\text{As}_2$ and $\text{Ca}_{0.6}\text{Na}_{0.4}\text{Fe}_2\text{As}_2$ : Measurement of the pressure and temperature dependence and comparison with ab initio and shell model calculations. Physical Review B, 2009, 79, .	1.1	17
71	Temperature evolution of the magnetic structure of $\text{TbMn}_2\text{O}_5$ . Physical Review B, 2011, 84, .	1.1	17
72	$\text{CoF}_2$ : a model system for magnetoelastic coupling and elastic softening mechanisms associated with paramagnetic $\hat{A}^+$ antiferromagnetic phase transitions. Journal of Physics Condensed Matter, 2014, 26, 146001.	0.7	17

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73	A theoretical and experimental study of the crystal structure of $\text{H}_{2}\text{V}_{3}\text{O}_{8}$ . RSC Advances, 2015, 5, 106543-106550. Giant exchange bias in the single-layered Ruddlesden-Popper perovskite	1.7	17
74	$\text{SrLaC}_{0.5}\text{M}_{0.5}\text{O}_{4}$	1.1	17
75	Nuclear spin excitations in Nd. Applied Physics A: Materials Science and Processing, 2002, 74, s652-s654. Low-energy nuclear spin excitations in $\text{NdMg}_{3}$	1.1	16
76	$\text{NdCo}_{2}$ Physical Review B, 2008, 78, .	1.1	16
77	Magnetoelastic effect in $\text{MF}_{2}$ (M = Mn, Fe, Ni) investigated by neutron powder diffraction. Journal of Physics Condensed Matter, 2010, 22, 316001.	0.7	16
78	Anomalous in-plane magnetoresistance in a $\text{EuFe}_{2}\text{As}_{2}$ single crystal: Evidence of strong spin-charge-lattice coupling. Physical Review B, 2012, 85, .	1.1	16
79	Quantum spin dynamics of the bilayer ferromagnet $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_{2}\text{O}_{7}$ . European Physical Journal B, 2002, 27, 287-297.	0.6	15
80	Low energy nuclear spin excitations in $\text{NdGaO}_{3}$ . Solid State Communications, 2004, 131, 453-457.	0.9	15
81	Pressure-induced structural phase transition in $\text{ReO}_{3}$ . Solid State Communications, 2006, 139, 12-15.	0.9	15
82	Determination of the magnetic structures of the field-induced phases of $\text{HoMnO}_{3}$ Physical Review B, 2008, 77, .	1.1	15
83	Antiferromagnetic spin correlations in $\text{MnO}$ nanoparticles. Journal of Magnetism and Magnetic Materials, 2010, 322, 3333-3336.	1.0	15
84	Direct Observation of Anapoles by Neutron Diffraction. Physical Review Letters, 2019, 122, 047203.	2.9	15
85	Spin dynamics of quasi-2D ferromagnet $\text{La}_{1.2}\text{Sr}_{1.8}\text{Mn}_{2}\text{O}_{7}$ . Journal of Alloys and Compounds, 2001, 326, 15-26.	2.8	14
86	Volume collapse in $\text{LaMnO}_{3}$ at the Jahn-Teller transition temperature. Physical Review B, 2004, 69, .	1.1	14
87	Nuclear spin excitations in $\text{NdCu}_{2}$ . Physica B: Condensed Matter, 2004, 350, E111-E114.	1.3	14
88	Emergence of pressure-induced metamagnetic-like state in Mn-doped $\text{CdGeAs}_{2}$ chalcopyrite. Applied Physics Letters, 2013, 103, 192403.	1.5	14
89	Magnetic, magnetocaloric and magnetoresistive properties of cubic Laves phase $\text{HoAl}_{2}$ single crystal. Journal of Physics Condensed Matter, 2014, 26, 046004.	0.7	14
90	Volume contraction and resistivity drop at the Jahn-Teller transition in $\text{La}_{1-x}\text{Ca}_{x}\text{MnO}_{3}$ . Physical Review B, 2006, 73, .	1.1	13

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91	Local structure of ReO <sub>3</sub> at ambient pressure from neutron total-scattering study. Physical Review B, 2012, 86, .	1.1	13
92	Contrasting the magnetism in La <sub>2-x</sub> Sr <sub>x</sub> FeCoO <sub>6</sub> (x=0,1,2) double perovskites: The role of electronic and cationic disorder. Physical Review B, 2019, 99, .	1.1	13
93	Diffuse magnetic scattering above T <sub>C</sub> in quasi-two-dimensional La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2002, 65, .	1.1	12
94	Structural and thermal properties of LaMnO <sub>3</sub> from neutron diffraction and first principles studies. Journal of Physics Condensed Matter, 2011, 23, 245402.	0.7	12
95	Understanding neutron scattering data in YMn <sub>2</sub> O <sub>7</sub> : An effective spin Hamiltonian. Physical Review B, 2011, 84, .	1.1	12
96	Setup for polarized neutron imaging using <i>in situ</i> <sup>3</sup> He cells at the Oak Ridge National Laboratory High Flux Isotope Reactor CG-1D beamline. Review of Scientific Instruments, 2017, 88, 095103.	0.6	12
97	Spin dynamics of the quasi-two-dimensional ferromagnetic bilayer manganite La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2005, 72, .	1.1	11
98	Spin-lattice coupling and frustrated magnetism in Fe-doped hexagonal LuMnO <sub>3</sub> . Europhysics Letters, 2015, 110, 37007.	0.7	11
99	Pressure control of magnetic clusters in strongly inhomogeneous ferromagnetic chalcopyrites. Scientific Reports, 2015, 5, 7720.	1.6	11
100	High pressure neutron diffraction investigation of CuO. Journal of Physics Condensed Matter, 2005, 17, S3057-S3062.	0.7	10
101	Critical phenomena in Pr <sub>0.52</sub> Sr <sub>0.48</sub> MnO <sub>3</sub> single crystal. Journal of Alloys and Compounds, 2013, 577, 165-169.	2.8	10
102	Changes in the magnetization hysteresis direction and structure-driven magnetoresistance of a chalcopyrite-based magnetic semiconductor. Journal Physics D: Applied Physics, 2016, 49, 125007.	1.3	10
103	Magnetic glass state and magnetoresistance in SrLaFeCo <sub>6</sub> double perovskite. Journal of Physics Condensed Matter, 2017, 29, 095801.	0.7	10
104	Soft-phonon dynamics of the thermoelectric $\hat{I}^2$ -SnSe at high temperatures. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 1937-1941.	0.9	10
105	Spin correlations in the bilayer manganite La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Solid State Communications, 1999, 112, 235-239.	0.9	9
106	Magnetization distribution in the ordered Fe <sub>72</sub> Pt <sub>28</sub> Invar alloy. Journal of Physics Condensed Matter, 2004, 16, 5349-5358.	0.7	9
107	Low-energy nuclear spin excitations in NdAl <sub>2</sub> . Physical Review B, 2009, 79, .		
108	Inelastic neutron scattering study of crystal field excitations of Nd <sup>3+</sup> in NdFeAsO. Physical Review B, 2013, 88, .	1.1	9



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109	High-energy non-resonant X-ray magnetic scattering from EuAs <sub>3</sub> . Solid State Communications, 2004, 131, 713-717.	0.9	8
110	Neutron scattering investigations of multiferroic YMnO <sub>3</sub> . Pramana - Journal of Physics, 2008, 71, 847-858.	0.9	8
111	Anomalous hyperfine interaction in CoF <sub>2</sub> investigated by high resolution neutron spectroscopy. Journal of Physics Condensed Matter, 2009, 21, 436008.	0.7	8
112	Magnetization distribution in the tetragonal phase of $BaFe_{2}Mn_{8}$ . Physical Review B, 2010, 82, .	1.1	8
113	The magnetoelastic effect in CoF <sub>2</sub> investigated by means of neutron powder diffraction. Journal of Physics Condensed Matter, 2010, 22, 096001.	0.7	8
114	Magnetic ordering in double perovskites R <sub>2</sub> CoMnO <sub>6</sub> (R = Y, Tb) investigated by high resolution neutron spectroscopy. Journal of Physics Condensed Matter, 2012, 24, 266005.	0.7	8
115	Effect of size reduction on the structural and magnetic order in LaMnO <sub>3</sub> (̂ ≈ 0.03) nanocrystals: a neutron diffraction study. Journal of Physics Condensed Matter, 2014, 26, 025603.	0.7	8
116	Spin-driven symmetry breaking in the frustrated fcc pyrite MnS <sub>2</sub> . Journal of Physics Condensed Matter, 2015, 27, 226003.	0.7	8
117	Single crystal polarized neutron diffraction study of the magnetic structure of HoFeO <sub>3</sub> . Journal of Physics Condensed Matter, 2017, 29, 385802.	0.7	8
118	Dynamics of the phase-change material GeTe across the structural phase transition. Frontiers of Physics, 2019, 14, 1.	2.4	8
119	Low-energy nuclear spin excitations in CoO. Physical Review B, 2009, 79, .	1.1	7
120	Direct evidence for the magnetic ordering of Nd ions in NdFeAsO by high-resolution inelastic neutron scattering. Physical Review B, 2011, 84, .	1.1	7
121	Electronic origins of the giant volume collapse in the pyrite mineral $MnS_{2}$ . Journal of Solid State Chemistry, 2019, 269, 540-546.	1.4	7
122	Coexistence of ferromagnetic and antiferromagnetic spin correlations in La <sub>1.2</sub> Sr <sub>1.8</sub> Mn <sub>2</sub> O <sub>7</sub> . Physical Review B, 2006, 73, .	1.1	6
123	Weak ferromagnetism and magnetic phase transitions in Gd <sub>2</sub> CuO <sub>4</sub> . Physical Review B, 2011, 84, .	1.1	6
124	Magnetic Ordering and Spin Dynamics of Ba <sub>x</sub> Eu <sub>x</sub> Si Phases. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 825-833.	0.6	6
125	Direct evidence for the magnetic ordering of Nd ions in NdMn <sub>2</sub> Si <sub>2</sub> and NdMn <sub>2</sub> Ge <sub>2</sub> by high resolution inelastic neutron scattering. Journal of Magnetism and Magnetic Materials, 2012, 324, 1030-1033.	1.0	6
126	Low-field-enhanced unusual hysteresis produced by metamagnetism of the MnP clusters in the insulating CdGe <sub>2</sub> P <sub>2</sub> matrix under pressure. Physical Review B, 2016, 94, .	1.1	6



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127	Spin waves in the fcc lattice antiferromagnet: competing interactions, frustration, and instabilities in the Hubbard model. Journal of Applied Physics, 2017, 121, 073903.	1.1	6
128	Coexistence of Eu antiferromagnetism and pressure-induced superconductivity in single-crystal EuFe <sub>2</sub> As <sub>2</sub> . Physical Review B, 2019, 100, .	1.1	6
129	Charge ordering and spin dynamics in NaV <sub>2</sub> O <sub>5</sub> . Physica B: Condensed Matter, 2000, 276-278, 626-627.	1.3	5
130	Doped holes and Mn valence in manganites: a polarized soft x-ray absorption study of LaMnO <sub>3</sub> and quasi-2D manganite systems. Journal of Physics Condensed Matter, 2008, 20, 055215.	0.7	5
131	Hyperfine interaction in Co <sub>2</sub> SiO <sub>4</sub> investigated by high resolution neutron spectroscopy. Journal of Magnetism and Magnetic Materials, 2010, 322, 3148-3152.	1.0	5
132	Field dependence of the magnetic structure of TbMn <sub>2</sub> O <sub>5</sub> . Journal of Applied Physics, 2014, 116, .	1.1	5
133	A neutron tomography study: probing the spontaneous crystallization of randomly packed granular assemblies. Scientific Reports, 2018, 8, 17637.	1.6	5
134	Magnetic excitations in frustrated fcc type-III antiferromagnet MnS <sub>2</sub> . Journal of Physics Condensed Matter, 2019, 31, 125802.	0.7	5
135	<sup>151</sup> Sm NMR investigation of the magnetic ordering in EuAs <sub>3</sub> . Solid State Communications, 2004, 132, 617-622.	0.9	4
136	Low energy nuclear spin excitations in HoAl <sub>2</sub> investigated by high resolution neutron spectroscopy. Solid State Communications, 2013, 161, 42-45.	0.9	4
137	Low energy nuclear spin excitations in Ho metal investigated by high resolution neutron spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 156002.	0.7	4
138	Phonon-magnon coupling in CoF <sub>2</sub> investigated by time-of-flight neutron spectroscopy. Solid State Communications, 2013, 174, 55-62.	0.9	4
139	Direct observation of low energy nuclear spin excitations in HoCrO <sub>3</sub> by high resolution neutron spectroscopy. Journal of Physics Condensed Matter, 2013, 25, 286003.	0.7	4
140	Strain heterogeneity and magnetoelastic behaviour of nanocrystalline half-doped La, Ca manganite, La <sub>0.5</sub> Ca <sub>0.5</sub> MnO <sub>3</sub> . Journal of Physics Condensed Matter, 2014, 26, 435303.	0.7	4
141	Magnetoelastic effects in multiferroic HoMnO <sub>3</sub> . Solid State Communications, 2014, 180, 46-51.	0.9	4
142	Polarized single crystal neutron diffraction study of the zero-magnetization ferromagnet $\text{SmMnO}_3$ . Physical Review B, 2018, 97, .		
143	Hyperfine interaction and electronic spin fluctuation study on Sr <sub>2-x</sub> La <sub>x</sub> FeCoO <sub>6</sub> ( x = 0, 1, 2) by high-resolution backscattering neutron spectroscopy. Physical Review B, 2018, 98, .	1.1	4
144	Utilizing total scattering to study the Jahn-Teller transition in La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> . Zeitschrift für Kristallographie, Supplement, 2007, 2007, 429-434.	0.5	4

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145	Spin dynamics of the quasi-two-dimensional ferromagnetic bilayer manganite. <i>Physica B: Condensed Matter</i> , 2006, 385-386, 428-431.	1.3	3
146	Soft X-ray resonant scattering study of single-crystal LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>European Physical Journal B</i> , 2010, 74, 457-461.	0.6	3
147	Direct evidence for nuclear spin waves in Nd <sub>2</sub> CuO <sub>4</sub> by high-resolution neutron-spin-echo spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 476002.	0.7	3
148	Breaking the Magnetic Symmetry by Reorientation Transition Near 50 K in Multiferroic Magnetocaloric HoFeO <sub>3</sub> . <i>IEEE Transactions on Magnetics</i> , 2022, 58, 1-5.	1.2	3
149	Magnetic phase diagram of HoFeO <sub>3</sub> by neutron diffraction. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 557, 169431.	1.0	3
150	Henggeler et al.Reply.. <i>Physical Review Letters</i> , 1999, 82, 2218-2218.	2.9	2
151	Charge/orbital and antiferromagnetic ordering in LaSr <sub>2</sub> Mn <sub>2</sub> O <sub>7</sub> . <i>Physica B: Condensed Matter</i> , 2000, 289-290, 65-68.	1.3	2
152	Magnetic diffuse scattering from Nd above T <sub>N</sub> and deduced exchange interaction parameters. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 286201.	0.7	2
153	Phonons in lanthanum manganite: Inelastic neutron scattering and density functional theory studies. <i>Physical Review B</i> , 2012, 86, .	1.1	2
154	Anomaly in structural noncentrosymmetry around T <sub>N</sub> in bulk and nanoscale BiFeO <sub>3</sub> . <i>Powder Diffraction</i> , 2013, 28, S94-S105.	0.4	2
155	Structure-Dependent Magnetoresistance in the Zn <sub>0.1</sub> Cd <sub>0.9</sub> GeAs <sub>2</sub> + MnAs Hybrid Nanocomposite. <i>JETP Letters</i> , 2018, 107, 612-617.	0.4	2
156	Observation of the flux line lattice in (La <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> CuO <sub>4</sub> single crystals. <i>Solid State Communications</i> , 1998, 107, 291-293.	0.9	1
157	Spin dynamics of bilayer manganites. <i>Pramana - Journal of Physics</i> , 2004, 63, 143-153.	0.9	1
158	Anisotropic Magnetocaloric Effect in Single-crystalline Pr <sub>0.52</sub> Sr <sub>0.48</sub> MnO <sub>3</sub> . <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 775-777.	0.8	1
159	Magnetization distribution and orbital moment in the nonsuperconducting chalcogenide compound K <sub>0.8</sub> Fe <sub>1.6</sub> Se <sub>2</sub> . <i>Physical Review B</i> , 2013, 88, .	1.1	1
160	Quasielastic and low-energy inelastic neutron scattering study of HoCrO <sub>3</sub> by high resolution time-of-flight neutron spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 475802.	0.7	1
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