

# Markus Braden

## List of Publications by Year in descending order

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211  
papers

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50170

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211  
docs citations

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times ranked

5226  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Structural Parameters on Superconductivity in Fluorine-Free LnFeAsO <sub>1-y</sub> (Ln = La, Nd). Journal of the Physical Society of Japan, 2008, 77, 083704.	0.7	574
2	The electronic phase diagram of the LaO <sub>1-x</sub> FxFeAs superconductor. Nature Materials, 2009, 8, 305-309.	13.3	390
3	Evidence for Incommensurate Spin Fluctuations in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review Letters, 1999, 83, 3320-3323.	2.9	243
4	Crystal and magnetic structure of Ca <sub>2</sub> RuO <sub>4</sub> : Magnetoelastic coupling and the metal-insulator transition. Physical Review B, 1998, 58, 847-861.	1.1	241
5	Structural and magnetic aspects of the metal-insulator transition in Ca <sub>2-x</sub> Sr <sub>x</sub> RuO <sub>4</sub> . Physical Review B, 2001, 63, .	1.1	225
6	Crystal and magnetic structure of LaTiO <sub>3</sub> : Evidence for nondegenerate $t_{2g}$ orbitals. Physical Review B, 2003, 68, .	1.1	189
7	Structural analysis of CuGeO <sub>3</sub> : Relation between nuclear structure and magnetic interaction. Physical Review B, 1996, 54, 1105-1116.	1.1	155
8	Anomalous dispersion of LO phonons in La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . Physical Review B, 1999, 60, R15039-R15042.	1.1	130
9	Magnetic Excitations in Multiferroic TbMnO <sub>3</sub> : Evidence for a Hybridized Soft Mode. Physical Review Letters, 2007, 98, 137206.	2.9	128
10	Magnetoelastic coupling in RTiO <sub>3</sub> (R=La, Nd, Sm, Gd, Y) investigated with diffraction techniques and thermal expansion measurements. Physical Review B, 2007, 75, .	1.1	111
11	Inelastic neutron scattering study of magnetic excitations in Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2002, 66, .	1.1	107
12	Phonon Dispersion of bcc Iron to 10 GPa. Physical Review Letters, 2000, 85, 3209-3212.	2.9	99
13	Anomalous Dispersion of Longitudinal Optical Phonons in Nd <sub>1.86</sub> Ce <sub>0.14</sub> CuO <sub>4</sub> Determined by Inelastic X-Ray Scattering. Physical Review Letters, 2002, 88, 167002.	2.9	92
14	Static and dynamic displacements in RBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> (R=Y, Ho; $\delta$ =0.05, 0.5): A neutron-diffraction study on single crystals. Physical Review B, 1994, 49, 1387-1396.	1.1	87
15	$\text{CaCrO}_3$ : An Anomalous Antiferromagnetic Metallic Oxide. Physical Review Letters, 2008, 101, 167204.	2.9	82
16	Crystal and magnetic structure of the oxypnictide superconductor LaFeAsO <sub>1-x</sub> . A neutron-diffraction study. Physical Review B, 2010, 82, .	1.1	81
17	Structure Analysis of Gd <sub>2</sub> CuO <sub>4</sub> : a New Modification of the $T'$ Phase. Europhysics Letters, 1994, 25, 625-630.	0.7	76
18	Incommensurate Magnetic Ordering in Sr <sub>2</sub> Ru <sub>1-x</sub> Ti <sub>x</sub> O <sub>4</sub> . Physical Review Letters, 2002, 88, 197002.	2.9	76

#	ARTICLE	IF	CITATIONS
19	Spin-Phonon Coupling in CuGeO <sub>3</sub> . Physical Review Letters, 1998, 80, 3634-3637.	2.9	75
20	Giant anomalies of the thermal expansion at the spin-Peierls transition in CuGeO <sub>3</sub> . Physical Review B, 1995, 51, 12884-12887.	1.1	73
21	Low temperature phase transition and superconductivity in (Nd) <sub>1-x</sub> Sr <sub>x</sub> Cu <sub>1-y</sub> O. Physica C: Superconductivity and Its Applications, 1991, 185-189, 903-904.	0.6	71
22	Structural stability of Sr <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 1998, 57, 1236-1240.	1.1	71
23	Superconductivity in Tl <sub>0.6</sub> Bi <sub>2</sub> Te <sub>3</sub> Derived from a Topological Insulator. Chemistry of Materials, 2016, 28, 779-784.	3.2	71
24	Phonon Dispersion of Ice under Pressure. Physical Review Letters, 2004, 93, 225901.	2.9	69
25	Pressure Induced Frequency Shifts of Transverse Acoustic Phonons in Germanium to 9.7 GPa. Physical Review Letters, 1997, 79, 1313-1316.	2.9	67
26	Bond-Stretching-Phonon Anomalies in Stripe-Ordered La <sub>1.69</sub> Sr <sub>0.31</sub> NiO <sub>4</sub> . Physical Review Letters, 2002, 88, 075505.	2.9	67
27	Inelastic Neutron-Scattering Measurements of Incommensurate Magnetic Excitations on Superconducting LiFeAs Single Crystals. Physical Review Letters, 2012, 108, 117001.	2.9	67
28	Spin reorientation in Ba <sub>0.65</sub> by single-crystal neutron diffraction. Physical Review B, 2015, 91, .		
29	High-pressure diffraction studies on Ca <sub>2</sub> RuO <sub>4</sub> . Physical Review B, 2005, 72, .	1.1	61
30	Magnetic Correlations in La <sub>2-x</sub> Sr <sub>x</sub> CoO <sub>4</sub> Studied by Neutron Scattering: Possible Evidence for Stripe Phases. Physical Review Letters, 2009, 102, 057201.	2.9	61
31	Spectroscopy of Stripe Order in La <sub>1.8</sub> Sr <sub>0.2</sub> NiO <sub>4</sub> Using Resonant Soft X-Ray Diffraction. Physical Review Letters, 2005, 95, 156402.	2.9	59
32	Structural domain and finite-size effects of the antiferromagnetic lattice in LnCu <sub>2</sub> . Physical Review B, 2008, 78, .	1.1	58
33	Electric-field control of the chiral magnetism of multiferroic MnWO <sub>4</sub> as seen via polarized neutron diffraction. Physical Review B, 2010, 81, .	1.1	58
34	Magnetic excitations in a cycloidal magnet: the magnon spectrum of multiferroic TbMnO <sub>3</sub> . Journal of Physics Condensed Matter, 2008, 20, 434212.	0.7	56
35	Flop of Electric Polarization Driven by the Flop of the Mn Spin Cycloid in Multiferroic TbMnO <sub>3</sub> . Physical Review Letters, 2009, 102, 207205.	2.9	56
36	Competition Between Structural and Superconducting Transition in (LaNd)-Sr-Cu-O. Europhysics Letters, 1993, 21, 953-958.	0.7	55

#	ARTICLE	IF	CITATIONS
37	<p>ic order, transport and infrared optical properties in the</p> <pre>&lt;mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;&lt;mml:mi&gt;A&lt;/mml:mi&gt;&lt;/mml:math&gt;CrO&lt;mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;&lt;mml:msub&gt;&lt;mml:mrow</pre>		

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55	Giant phonon anomalies in the bond-stretching modes in doped BaBiO <sub>3</sub> : comparison to cuprates manganites and nickelates. Physica C: Superconductivity and Its Applications, 2002, 378-381, 89-96.	0.6	41
56	Dispersion of the high-energy phonon modes in Nd <sub>1.85</sub> Ce <sub>0.15</sub> CuO <sub>4</sub> . Physical Review B, 2005, 72, .	1.1	41
57	Neutron scattering studies on stripe phases in non-cuprate materials. Physica C: Superconductivity and Its Applications, 2012, 481, 31-45.	0.6	41
58	Spin-orbit entangled $\langle \mathbf{m}_i \cdot \mathbf{m}_j \rangle$ moments in $\text{Ba}_{1-x}\text{Sr}_x\text{CuO}_4$ : A frustrated fcc quantum magnet. Physical Review B, 2019, 100, .	1.1	40
59	Lattice dynamics of xenotime: The phonon dispersion relations and density of states of LuPO <sub>4</sub> . Physical Review B, 1997, 56, 11584-11592.	1.1	39
60	Lattice dynamics of (Ba/K)BiO <sub>3</sub> . Journal of Superconductivity and Novel Magnetism, 1995, 8, 595-598.	0.5	37
61	Anomalous Spin-Density Distribution on Oxygen and Ru in Ca <sub>1.5</sub> Sr <sub>0.5</sub> RuO <sub>4</sub> : Polarized Neutron Diffraction Study. Physical Review Letters, 2002, 89, 087202.	2.9	35
62	Magnetic phase diagrams, domain switching, and quantum phase transition of the quasi-one-dimensional Ising-like antiferromagnet BaCo <sub>2</sub> V <sub>2</sub> O <sub>8</sub> . Physical Review B, 2008, 77, .	1.1	35
63	Characterization and structural analysis of twinned La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> ± $\delta$ crystals by neutron diffraction. Physica C: Superconductivity and Its Applications, 1992, 191, 455-468.	0.6	34
64	Anomalous dispersion of LO phonon branches in Ba <sub>0.6</sub> K <sub>0.4</sub> BiO <sub>3</sub> . Europhysics Letters, 1996, 34, 531-536.	0.7	34
65	Highly Anisotropic Magnon Dispersion in $\text{Ba}_{1-x}\text{Sr}_x\text{CuO}_4$ : Evidence for Strong Spin Orbit Coupling. Physical Review Letters, 2015, 115, 247201.	2.9	34
66	Strongly Enhanced Magnetic Fluctuations in a Large-Mass Layered Ruthenate. Physical Review Letters, 2004, 93, 147404.	2.9	33
67	Field dependence of magnetic correlations through the polarization flop transition in multiferroic $\text{TbMnO}_3$ . Physical Review Letters, 2008, 77, .	1.1	33
68	Lattice dynamics and electron-phonon coupling in $\text{Sr}_2\text{RuO}_4$ . Physical Review B, 2007, 76, .	1.1	32
69	Inelastic neutron scattering and shell-model calculations. Physical Review B, 2007, 76, .	2.9	31
70	Spin-Wave Dispersion in Orbitally Ordered La <sub>1/2</sub> Sr <sub>1/2</sub> MnO <sub>4</sub> . Physical Review Letters, 2006, 96, 257201.	1.1	31
71	Controlling toroidal moments by crossed electric and magnetic fields. Physical Review B, 2013, 88, .	1.1	31
72	Analysis of the local structure by single-crystal neutron scattering in La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . Physical Review B, 2001, 63, .	1.1	30
72	Magnetic and structural transitions in La <sub>1-x</sub> A <sub>x</sub> CoO <sub>3</sub> (A=Ca, Sr, and Ba). Physical Review B, 2009, 79, .	1.1	29

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73	Structural analysis of Sr <sub>2</sub> RuO <sub>4</sub> . Physica C: Superconductivity and Its Applications, 1997, 273, 248-254.	0.6	28
74	Coupling of stripes to lattice distortions in cuprates and nickelates. Physica C: Superconductivity and Its Applications, 2007, 460-462, 170-173.	0.6	28
75	Evidence for a temperature-induced spin-state transition of Co <sup>3+</sup> in La <sub>2-x</sub> Sr <sub>x</sub> CoO <sub>4</sub> . Physical Review B, 2011, 83.	1.1	28
76	Orbital order in La <sub>2-x</sub> Sr <sub>x</sub> CoO <sub>4</sub> . $\text{Sr}_{0.5}\text{Mn}_{1.5}\text{MnO}$	1.1	28
77	Incommensurate magnetic fluctuations and Fermi surface topology in LiFeAs. Physical Review B, 2012, 86.	1.1	27
78	Magnetic excitations in the metallic single-layer ruthenates Ca <sub>2</sub> MnO <sub>2</sub> As. $\text{Ca}_2\text{MnO}_2\text{As}$	1.1	26
79	Dynamic coupling of crystal-field and phonon states in YbPO <sub>4</sub> . Physical Review Letters, 2011, 107, 027201.	2.9	26
80	Dynamic coupling of crystal-field and phonon states in YbPO <sub>4</sub> . Physical Review B, 1999, 60, R12549-R12552.	1.1	25
81	Relationship Between Crystal Structure and Superconductivity in LnFeAsO <sub>1-y</sub> (Ln = Tj, ET, Qq1, 1.0, 784314, rgBT/O <sub>2</sub> )	0.7	25
82	Lattice Dynamics of Li-ZrNiCl: An Electron doped Layered Superconductor. Journal of Low Temperature Physics, 1999, 117, 449-453.	0.6	24
83	Mott-Hubbard versus charge-transfer behavior in LaSrMnO <sub>4</sub> studied via optical conductivity. Physical Review B, 2008, 77, .	1.1	24
84	Universality of the Dispersive Spin-Resonance Mode in Superconducting BaFe <sub>2</sub> As <sub>2</sub> . Physical Review Letters, 2013, 111, 167002.	2.9	24
85	Control of Chiral Magnetism Through Electric Fields in Multiferroic Compounds above the Long-Range Multiferroic Transition. Physical Review Letters, 2017, 119, 177201.	2.9	24
86	Interplay of Electronic and Spin Degrees in Ferromagnetic SrRuO <sub>3</sub> : Anomalous Softening of the Magnon Gap and Stiffness. Physical Review Letters, 2019, 123, 017202.	2.9	24
87	Gigantic Magnetochiral Anisotropy in the Topological Semimetal ZrTe <sub>5</sub> . Physical Review Letters, 2022, 128, 176602.	2.9	24
88	Elastic and inelastic neutron scattering studies on the tetragonal to orthorhombic phase transition of La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . European Physical Journal B, 1994, 94, 29-37.	0.6	23
89	Dynamic magnetic response in intermediate-valence CeNi. Physical Review B, 2000, 61, 6189-6195.	1.1	23
90	Neutron scattering study of crystal-field excitations in TmTe. Physica B: Condensed Matter, 1997, 230-232, 735-737.	1.3	22

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91	Structural aspects of the spin-ladder compound Sr <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> . Physica C: Superconductivity and Its Applications, 2004, 403, 290-296.	0.6	22
92	Anisotropy of incommensurate magnetic excitations in slightly overdoped $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Physical Review B, 2014, 90.		
93	Kinetics of the multiferroic switching in $\text{MnWO}_4$ . Physical Review B, 2014, 89, .		
94	Temperature-dependent X-ray and neutron diffraction study of BiB <sub>3</sub> O <sub>6</sub> . Zeitschrift Fur Kristallographie - Crystalline Materials, 2007, 222, .	0.4	21
95	Domain dynamics in the multiferroic phase of $\text{MnWO}_4$ . Physical Review B, 2014, 89, .	1.1	21
96	Magnon dispersion in $\text{Ca}_2\text{O}_4$ : Impact of spin-orbit coupling and oxygen moments. Physical Review B, 2017, 95, .	1.1	21
97	Phonon dispersion measurements at high pressures to 7 GPa by inelastic neutron scattering. Applied Physics Letters, 1995, 66, 1557-1559.	1.5	20
98	Anomalous lattice dynamics in intermediate-valence CeNi. Physical Review B, 1998, 57, R8099-R8102.	1.1	20
99	Structural investigations of the tetraborates MB <sub>4</sub> O <sub>7</sub> (M = Pb, Sr, Ba). European Physical Journal B, 2012, 85, 1.	0.6	20
100	Fine structure of the incommensurate antiferromagnetic fluctuations in single-crystalline LiFeAs studied by inelastic neutron scattering. Physical Review B, 2014, 90, .	1.1	20
101	Phonon anomalies in La <sub>2</sub> CuO <sub>4</sub> + ?. Journal of Low Temperature Physics, 1996, 105, 813-818.	0.6	19
102	Melting of magnetic correlations in charge-orbital ordered $\text{La}_{1-x}\text{Pr}_x\text{MnO}_3$ . Physical Review B, 2008, 77, .	1.1	19
103	Magnetic structure and magnon dispersion in LaSrFeO <sub>4</sub> . Physical Review B, 2013, 87, .	1.1	19
104	Magnetostriction of several high-T <sub>c</sub> superconductors. European Physical Journal B, 1990, 79, 173-176.	0.6	18
105	Lattice dynamics of stoichiometric and nonstoichiometric La <sub>2</sub> NiO <sub>4</sub> . Physical Review B, 2001, 64, .	1.1	18
106	Neutron diffraction study of the lattice distortion related to charge ordering in Sr <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub> . Physical Review B, 2004, 69, .	1.1	18
107	Spin-wave excitations in the ferromagnetic metallic and in the charge-, orbital-, and spin-ordered states in Nd <sub>1-x</sub> Sr <sub>x</sub> MnO <sub>3</sub> with x = 0.5. Physical Review B, 2011, 84, .	1.1	18
108	Magnetostrictive Néel ordering of the spin-ordered compound BaMn <sub>5</sub> O <sub>2</sub> . Physical Review B, 2017, 95, .	1.1	18

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109	Magnetic structure and multiferroic coupling in pyroxene $\text{NaFeSi}_2\text{O}_6$ . <i>Physical Review B</i> , 2015, 91, .	1.1	18
110	Transverse Acoustic Phonons of Germanium up to 9.7 GPa by Neutron Inelastic Scattering. <i>Physica Status Solidi (B): Basic Research</i> , 1996, 198, 105-113.	0.7	17
111	Evidence for Charge Orbital and Spin Stripe Order in an Overdoped Manganite. <i>Physical Review Letters</i> , 2011, 106, 157201.	2.9	17
112	Magnetic anisotropy of large floating $\text{Cu}^{2+}$ zone in grown single crystals of $\text{SrRuO}_3$ . <i>Crystal Research and Technology</i> , 2016, 51, 299-305.	0.6	17
113	Structural distortion and superconductivity in $(\text{Nd}_{1-x}\text{Tb}_x)_{1.85}\text{Ce}_{0.15}\text{CuO}_4$ . <i>Physical Review B</i> , 1996, 53, R2975-R2978.	1.1	16
114	Study of the structural phase transition in $\text{Gd}_{2-x}\text{Ce}_x\text{CuO}_4$ . <i>Physica C: Superconductivity and Its Applications</i> , 1997, 273, 239-247.	0.6	16
115	Collective magnetic excitations in mixed-valence $\text{Sm}_{0.83}\text{Y}_{0.17}\text{S}$ . <i>Physical Review B</i> , 2002, 65, .	1.1	15
116	Oxygen Isotope Effect in the $\text{ab}$ -Plane Reflectance of Underdoped $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ . <i>Physical Review Letters</i> , 2002, 89, 087003.	2.9	15
117	Optimization of elliptic neutron guides for triple-axis spectroscopy. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 119-126.	0.7	15
118	Temperature-dependent optical conductivity of layered $\text{LaSrFeO}_4$ . <i>Physical Review B</i> , 2013, 87, .	1.1	15
119	Suppression of spin-exciton state in hole overdoped iron-based superconductors. <i>Scientific Reports</i> , 2016, 6, 23424.	1.6	15
120	Magnetic shape-memory effect in $\text{SrRuO}_3$ . <i>Physical Review B</i> , 2017, 96, .	1.1	15
121	Anharmonic structural behavior in $\text{CuGeO}_3$ . <i>Physical Review B</i> , 1998, 57, 11497-11503.	1.1	14
122	Structural Aspects of Metamagnetism in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$ : Evidence for Field Tuning of Orbital Occupation. <i>Physical Review Letters</i> , 2005, 95, 267403.	2.9	14
123	Polarized-neutron-scattering studies on the chiral magnetism in multiferroic $\text{MnWO}_4$ . <i>Journal of Physics: Conference Series</i> , 2010, 211, 012001.	0.3	14
124	Absence of a Large Superconductivity-Induced Gap in Magnetic Fluctuations of $\text{Sr}_2\text{RuO}_4$ . <i>Physical Review Letters</i> , 2017, 118, 147002.	2.9	14
125	Field-Induced Paramagnons at the Metamagnetic Transition of $\text{Ca}_{1.8}\text{Sr}_{0.2}\text{RuO}_4$ . <i>Physical Review Letters</i> , 2007, 99, 217402.	2.9	13
126	Magnetoelastic Coupling Across the Metamagnetic Transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$ $\{0.2 \leq x \leq 1\}$ . <i>Physical Review Letters</i> , 2007, 99, 217402.	0.6	13



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127	Incommensurate magnetic ordering in Ti-doped $\text{Sr}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Physical Review B, 2009, 79, .	1.1	13
128	Effect of K Doping on Phonons in $\text{Ba}_{1-x}\text{K}_x\text{Fe}_2\text{As}_2$ . Journal of the Physical Society of Japan, 2010, 79, 014714.	0.7	13
129	Parabolic versus elliptic focusing – Optimization of the focusing design of a cold triple-axis neutron spectrometer by Monte-Carlo simulations. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 647, 63-72.	0.7	13
130	Anisotropic resonance modes emerging in an antiferromagnetic superconducting state. Scientific Reports, 2017, 7, 10307.	1.6	13
131	Magnetization density distribution in the metallic ferromagnet $\text{SrRuO}_3$ determined by polarized neutron diffraction. Physical Review B, 2019, 100, .	1.5	13
132	Pressure dependence of the crystal structure of $\text{CuGeO}_3$ to 6.2 GPa by neutron diffraction. Physical Review B, 1999, 60, 9616-9622.	1.1	12
133	Transverse Acoustic Phonons of GaSb up to 7 GPa by Inelastic Neutron Scattering. Physica Status Solidi (B): Basic Research, 2001, 223, 441-447.	0.7	12
134	ELECTRON-PHONON INTERACTION IN N-DOPED CUPRATES: AN INELASTIC X-RAY SCATTERING STUDY. International Journal of Modern Physics B, 2003, 17, 484-492.	1.0	12
135	Magnetic order and electromagnon excitations in $\text{DyMnO}_3$ by neutron scattering experiments. Physical Review B, 2014, 90, .	1.1	12
136	Control of multiferroic domains by external electric fields in $\text{TbMnO}_3$ . Journal of Physics Condensed Matter, 2015, 27, 446001.	0.7	12
137	Phonon dispersion in graphite under hydrostatic pressure up to 60 kbar using a sapphire-anvil technique. Physica B: Condensed Matter, 1995, 213-214, 1031-1033.	1.3	11
138	Neutron diffraction study on a single crystal of pentacarbonyldiethylcyanamidechromium at 110 K. Journal of the Chemical Society Dalton Transactions, 1995, , 665-672.	1.1	11
139	Lattice dynamics of $\text{LuPO}_4$ . Journal of Alloys and Compounds, 1997, 250, 573-576.	2.8	11
140	Inelastic neutron scattering to very high pressures. , 2000, 128, 245-254.		11
141	Equation of state of ordinary ice Ih at 145 K under true hydrostatic pressure up to 5 kbar. Journal of Physics Condensed Matter, 2005, 17, S3029-S3033.	0.7	11
142	Strong magnetoelastic coupling at the transition from harmonic to anharmonic order in $\text{NaFeF}_3$ . Physical Review B, 2016, 94, .	1.1	11
143	Changes of phonon dispersion in graphite at high pressure. High Pressure Research, 1995, 14, 145-154.	0.4	10
144	Direct Visualization of Spatial Inhomogeneity of Spin Stripes Order in $\text{La}_{1.72}\text{Sr}_{0.28}\text{NiO}_4$ . Condensed Matter, 2019, 4, 77.	0.8	10

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145	Neutron scattering studies on spin fluctuations in $\text{Sr}_2\text{K}_2\text{NiO}_7$ . Physical Review B, 2021, 103, .		
146	Lattice dynamics of $\text{CuGeO}_3$ : Inelastic neutron scattering and model calculations. Physical Review B, 2002, 66, .	1.1	9
147	Lattice anomalies in $\text{CeNi}$ unstable valence compound. Applied Physics A: Materials Science and Processing, 2002, 74, s559-s561.	1.1	9
148	Hourglass Dispersion in Overdoped Single-Layered Manganites. Physical Review Letters, 2012, 108, 247209.	2.9	9
149	Crystal structure and distortion of superconducting $\text{Cu}_x\text{Ru}_{1-x}\text{O}_4$ . Physical Review Materials, 2020, 4, .		
150	Neutron diffraction study of the nuclear and magnetic structure of the quasi-one-dimensional compound $\text{CuSiO}_3$ around $T_N=8\text{K}$ . Physical Review B, 2004, 69, .	1.1	8
151	Spin-density-wave ordering in $\text{Ca}_{0.5}\text{Sr}_{1.5}\text{RuO}_4$ studied by neutron scattering. Physical Review B, 2014, 89, .	1.1	8
152	Magnetoelectric coupling in the mixed erythrosiderite $[(\text{NH}_4)_{1-x}\text{K}_x]_2[\text{FeCl}_5(\text{H}_2\text{O})]$ . Physical Review B, 2020, 102, .	1.1	8
153	Combined Arrhenius-Merz Law Describing Domain Relaxation in Type-II Multiferroics. Physical Review Letters, 2021, 127, 097601.	2.9	8
154	Evidence for current-induced phase coexistence in $\text{Ca}_2\text{RuO}_4$ and its influence on magnetic order. Physical Review Materials, 2020, 4, .	0.9	8
155	A systematic neutron diffraction study of $\text{RE}_2\text{CuO}_4$ ( $\text{RE} = \text{Pr}, \text{Nd}, \text{Eu}$ ). Physica C: Superconductivity and Its Applications, 1994, 235-240, 1263-1264.	0.6	7
156	The pressure dependence of the TA 1 [110] phonon frequencies in the ordered Invar alloy $\text{Fe}_3\text{Pt}$ at pressures up to 7 GPa. Europhysics Letters, 1996, 33, 679-682.	0.7	7
157	Alignment of polymer chains in $\text{RbC}_{60}$ by uniaxial pressure. Solid State Communications, 1999, 109, 423-426.	0.9	7
158	Anomalous phonon softening in intermediate-valence $\text{CeNi}$ . Physica B: Condensed Matter, 1999, 259-261, 42-43.	1.3	7
159	Strong spin resonance mode associated with suppression of soft magnetic ordering in hole-doped $\text{Ba}_{1-x}\text{Na}_x\text{Fe}_2\text{As}_2$ . Npj Quantum Materials, 2019, 4, .	1.8	7
160	High-Energy Magnetic Excitation in $\text{CuGeO}_3$ . Physical Review Letters, 1999, 83, 1858-1861.	2.9	6
161	Anomalous pressure dependence of acoustic phonons of $\text{AgCaSe}_2$ investigated by inelastic neutron scattering to 4.3 GPa. Physica Status Solidi (B): Basic Research, 2003, 235, 331-336.	0.7	6
162	Measurement of Spin Dynamics in a Layered Nickelate Using X-Ray Photon Correlation Spectroscopy: Evidence for Intrinsic Destabilization of Incommensurate Stripes at Low Temperatures. Physical Review Letters, 2021, 127, 057001.	2.9	6

#	ARTICLE	IF	CITATIONS
163	Low Temperature Structural Phase Transition and Superconductivity in (La Nd)-Sr-Cu-O. , 1992, , 349-363.		6
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