

Paolo G Radaelli

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206 papers	15,266 citations	61 h-index	121 g-index
231 ext. papers	16,276 ext. citations	6.3 avg, IF	6.18 L-index

#	Paper	IF	Citations
206	Lattice effects on the magnetoresistance in doped LaMnO ₃ . <i>Physical Review Letters</i> , 1995 , 75, 914-917	7.4	1793
205	Charge, orbital, and magnetic ordering in La _{0.5} Ca _{0.5} MnO ₃ s. <i>Physical Review B</i> , 1997 , 55, 3015-3023	3.3	791
204	Structural effects on the magnetic and transport properties of perovskite A _{1-x} A _x MnO ₃ (x=0.25, 0.30). <i>Physical Review B</i> , 1997 , 56, 8265-8276	3.3	743
203	Simultaneous structural, magnetic, and electronic transitions in La _{1-x} Ca _x MnO ₃ with x=0.25 and 0.50. <i>Physical Review Letters</i> , 1995 , 75, 4488-4491	7.4	607
202	Structural phenomena associated with the spin-state transition in LaCoO ₃ . <i>Physical Review B</i> , 2002 , 66,	3.3	424
201	Spin waves and revised crystal structure of honeycomb iridate Na ₂ IrO ₃ . <i>Physical Review Letters</i> , 2012 , 108, 127204	7.4	408
200	Structural and superconducting properties of La _{2-x} Sr _x CuO ₄ as a function of Sr content. <i>Physical Review B</i> , 1994 , 49, 4163-4175	3.3	302
199	Structural details and magnetic order of La _{1-x} Sr _x CoO ₃ (x. <i>Physical Review B</i> , 1999 , 59, 1068-1078	3.3	295
198	Structural anomalies and multiferroic behavior in magnetically frustrated TbMn ₂ O ₅ . <i>Physical Review Letters</i> , 2004 , 93, 177402	7.4	290
197	Structure and superconductivity of HgBa ₂ CuO ₄ + δ <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 210, 447-454	1.3	276
196	Formation of isomorphous Ir ³⁺ and Ir ⁴⁺ octamers and spin dimerization in the spinel CuIr ₂ S ₄ . <i>Nature</i> , 2002 , 416, 155-8	50.4	269
195	Long range charge ordering in magnetite below the Verwey transition. <i>Physical Review Letters</i> , 2001 , 87, 266401	7.4	268
194	Charge ordered structure of magnetite Fe ₃ O ₄ below the Verwey transition. <i>Physical Review B</i> , 2002 , 66,	3.3	267
193	Spin structure and magnetic frustration in multiferroic RMn ₂ O ₅ (R=Tb, Ho, Dy). <i>Physical Review B</i> , 2005 , 71,	3.3	242
192	Charge localization by static and dynamic distortions of the MnO ₆ octahedra in perovskite manganites. <i>Physical Review B</i> , 1996 , 54, 8992-8995	3.3	242
191	Structural changes, clustering, and photoinduced phase segregation in Pr _{0.7} Ca _{0.3} MnO ₃ . <i>Physical Review B</i> , 1998 , 57, 3305-3314	3.3	228
190	Ice XV: a new thermodynamically stable phase of ice. <i>Physical Review Letters</i> , 2009 , 103, 105701	7.4	213

189	The preparation and structures of hydrogen ordered phases of ice. <i>Science</i> , 2006 , 311, 1758-61	33.3	209
188	Giant improper ferroelectricity in the ferroaxial magnet CaMn ₇ O ₁₂ . <i>Physical Review Letters</i> , 2012 , 108, 067201	7.4	203
187	Wish: The New Powder and Single Crystal Magnetic Diffractometer on the Second Target Station. <i>Neutron News</i> , 2011 , 22, 22-25	0.4	193
186	Wigner-crystal and bi-stripe models for the magnetic and crystallographic superstructures of La _{0.333} Ca _{0.667} MnO ₃ . <i>Physical Review B</i> , 1999 , 59, 14440-14450	3.3	192
185	Ferroelectricity induced by acentric spin-density waves in YMn ₂ O ₅ . <i>Physical Review Letters</i> , 2006 , 96, 097601	7.4	190
184	Crossover from Large to Small Polarons across the Metal-Insulator Transition in Manganites. <i>Physical Review Letters</i> , 1998 , 81, 878-881	7.4	174
183	Non-ferroelectric nature of the conductance hysteresis in CH ₃ NH ₃ PbI ₃ perovskite-based photovoltaic devices. <i>Applied Physics Letters</i> , 2015 , 106, 173502	3.4	173
182	The polymorphism of ice: five unresolved questions. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 18468-80	3.80	163
181	Structure, doping and superconductivity in HgBa ₂ CaCu ₂ O _{6+δ} (T _c ? 128 K). <i>Physica C: Superconductivity and Its Applications</i> , 1993 , 216, 29-35	1.3	157
180	Structure of the superconducting La ₂ CuO _{4+δ} delta phases (δ). <i>Physical Review B</i> , 1993 , 48, 499-510	3.3	151
179	Spin singlet formation in MgTi ₂ O ₄ : evidence of a helical dimerization pattern. <i>Physical Review Letters</i> , 2004 , 92, 056402	7.4	148
178	Mesosopic and microscopic phase segregation in manganese perovskites. <i>Physical Review B</i> , 2001 , 63,	3.3	137
177	Orbital ordering in transition-metal spinels. <i>New Journal of Physics</i> , 2005 , 7, 53-53	2.9	134
176	Pressure-induced structural changes in superconducting HgBa ₂ Ca _n □ _n Cu _n O _{2n+2+δ} (n = 1, 2, 3) compounds. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 221, 1-10	1.3	130
175	Structural and magnetic properties of the Kagomé antiferromagnet YbBaCo ₄ O ₇ . <i>Journal of Solid State Chemistry</i> , 2006 , 179, 1136-1145	3.3	128
174	Cage Occupancy and Compressibility of Deuterated N ₂ -Clathrate Hydrate by Neutron Diffraction. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 1997 , 29, 65-77		127
173	Evidence of apical oxygen in Nd ₂ CuO _y determined by single-crystal neutron diffraction. <i>Physical Review B</i> , 1994 , 49, 15322-15326	3.3	121
172	Structural Phase Diagram of Perovskite A _{0.7} A' _{0.3} MnO ₃ (A = La, Pr; A' = Ca, Sr, Ba): A New Imma Allotype. <i>Journal of Solid State Chemistry</i> , 1996 , 122, 444-447	3.3	120

171	Miscibility gap in electrochemically oxygenated $\text{La}_2\text{CuO}_{4+\delta}$. <i>Physical Review B</i> , 1994 , 49, 6239-6245	3.3	120
170	Competing magnetic interactions in the extended Kagomé system YBaCo_4O_7 . <i>Physical Review B</i> , 2006 , 74,	3.3	118
169	Stripe structure of the CuO_2 plane in $\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_{8+y}$ by anomalous x-ray diffraction. <i>Physical Review B</i> , 1996 , 54, 4310-4314	3.3	109
168	Lattice effects and magnetic structure in the layered colossal magnetoresistance manganite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$, $x=0.3$. <i>Physical Review B</i> , 1999 , 59, 8695-8702	3.3	101
167	Crystal and magnetic structures of the colossal magnetoresistance manganates $\text{Sr}_{2-x}\text{Nd}_{1+x}\text{Mn}_2\text{O}_7$ ($x=0.0, 0.1$). <i>Physical Review B</i> , 1996 , 54, 15967-15977	3.3	94
166	Magnetic and electric properties of LaMnO_3 . <i>Physical Review B</i> , 1999 , 59, 1304-1310	3.3	90
165	Revealing the nature of photoluminescence emission in the metal-halide double perovskite $\text{Cs}_2\text{AgBiBr}_6$. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 8350-8356	7.1	88
164	Giant tunability of ferroelectric polarization in GdMn_2O_5 . <i>Physical Review Letters</i> , 2013 , 110, 137203	7.4	88
163	Structural transformation induced by magnetic field and "colossal-like" magnetoresistance response above 313 K in MnAs. <i>Physical Review Letters</i> , 2003 , 90, 097203	7.4	88
162	Dependence of superconducting transition temperature on doping and structural distortion of the CuO_2 planes in $\text{La}_{2-x}\text{M}_x\text{CuO}_4$ ($M=\text{Nd, Ca, Sr}$). <i>Physical Review Letters</i> , 1996 , 76, 1348-1351	7.4	87
161	Metastable behavior of the superconducting phase in the $\text{BaBi}_{1-x}\text{Pb}_x\text{O}_3$ system. <i>Physical Review B</i> , 1992 , 46, 1144-1156	3.3	85
160	Magnetic correlations in the extended kagome YBaCo_4O_7 probed by single-crystal neutron scattering. <i>Physical Review Letters</i> , 2009 , 103, 037202	7.4	84
159	Discovery of a second family of bismuth-oxide-based superconductors. <i>Nature</i> , 1997 , 390, 148-150	50.4	83
158	Structural and Optical Properties of $\text{Cs}_2\text{AgBiBr}_6$ Double Perovskite. <i>ACS Energy Letters</i> , 2019 , 4, 299-305	20.1	78
157	Structure of superconducting $\text{Sr}_{0.9}\text{La}_{0.1}\text{CuO}_2$ ($T_c=42$ K) from neutron powder diffraction. <i>Physical Review B</i> , 1993 , 47, 14654-14656	3.3	77
156	Magneto-orbital helices as a route to coupling magnetism and ferroelectricity in multiferroic CaMn_2O_7 . <i>Nature Communications</i> , 2012 , 3, 1277	17.4	76
155	Antiferromagnetism, Ferromagnetism, and Phase Separation in the GMR System $\text{Sr}_{2-x}\text{La}_{1+x}\text{Mn}_2\text{O}_7$. <i>Chemistry of Materials</i> , 1997 , 9, 1042-1049	9.6	75
154	Structural anomalies at the magnetic transition in centrosymmetric BiMnO_3 . <i>Physical Review B</i> , 2007 , 75,	3.3	70

153	Magnetoelastic coupling and symmetry breaking in the frustrated antiferromagnet α -NaMnO ₂ . <i>Physical Review Letters</i> , 2007 , 99, 247211	7.4	70
152	The irreversibility line of HgBa ₂ CuO ₄ + δ . <i>Applied Physics Letters</i> , 1993 , 63, 693-695	3.4	69
151	Structural effects of hydrostatic pressure in orthorhombic La ₂ -xSrxCuO ₄ . <i>Physical Review B</i> , 1994 , 50, 3221-3229	3.3	67
150	A neutron diffraction study of RMn ₂ O ₅ multiferroics. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 434213	4.13	64
149	Understanding the insulating phase in colossal magnetoresistance manganites: shortening of the Jahn-Teller long-bond across the phase diagram of La ₁ -xCaxMnO ₃ . <i>Physical Review Letters</i> , 2007 , 98, 137203	7.4	64
148	X-ray imaging and multiferroic coupling of cycloidal magnetic domains in ferroelectric monodomain BiFeO ₃ . <i>Physical Review Letters</i> , 2013 , 110, 217206	7.4	62
147	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
146	Defects, defect ordering, structural coherence and superconductivity in the 123 copper oxides. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 184-189	1.3	61
145	One-dimensional magnetic fluctuations in the spin-2 triangular lattice α -NaMnO ₂ . <i>Physical Review Letters</i> , 2009 , 103, 077202	7.4	58
144	Comment on "Spin-canting-induced improper ferroelectricity and spontaneous magnetization reversal in SmFeO ₃ ". <i>Physical Review Letters</i> , 2012 , 108, 219701; author reply 219702	7.4	56
143	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
142	Structural inhomogeneities in oxygen-deficient ErBa ₂ Cu ₃ O _{6+x} associated with the tetragonal-to-orthorhombic transition: Evidence of first-order behavior. <i>Physical Review B</i> , 1992 , 45, 4923-4929	3.3	54
141	Orbital degeneracy removed by charge order in triangular antiferromagnet AgNiO ₂ . <i>Physical Review Letters</i> , 2007 , 99, 157204	7.4	51
140	Electric field control of the magnetic chiralities in ferroaxial multiferroic RbFe(MoO ₄) ₂ . <i>Physical Review Letters</i> , 2012 , 108, 237201	7.4	49
139	Spiral-spin-driven ferroelectricity in a multiferroic delafossite AgFeO ₂ . <i>Physical Review Letters</i> , 2012 , 109, 097203	7.4	47
138	Synthesis and properties of a cuprate superconductor containing double mercury-oxygen layers. <i>Science</i> , 1994 , 265, 380-3	33.3	46
137	Halide Segregation in Mixed-Halide Perovskites: Influence of A-Site Cations. <i>ACS Energy Letters</i> , 2021 , 6, 799-808	20.1	46
136	Observation of magnetic vortex pairs at room temperature in a planar FeO/Co heterostructure. <i>Nature Materials</i> , 2018 , 17, 581-585	27	45

135	A neutron powder investigation of the high-temperature structure and phase transition in stoichiometric LiNbO ₃ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1997 , 212,	1	44
134	X-ray-induced disordering of the dimerization pattern and apparent low-temperature enhancement of lattice symmetry in spinel Cu ₂ S ₄ . <i>Physical Review B</i> , 2002 , 66,	3.3	44
133	Location of Br�sted sites in D-ferrierite by neutron powder diffraction. <i>Microporous and Mesoporous Materials</i> , 1999 , 30, 95-101	5.3	42
132	New family of superconducting copper oxides: GaSr ₂ Ln _{1-x} CaxCu ₂ O ₇ . <i>Physica C: Superconductivity and Its Applications</i> , 1992 , 193, 63-67	1.3	42
131	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
130	Antiferromagnetic half-skyrmions and bimerons at room temperature. <i>Nature</i> , 2021 , 590, 74-79	50.4	41
129	A calorimetric study on the low temperature dynamics of doped ice V and its reversible phase transition to hydrogen ordered ice XIII. <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 6313-24	3.6	40
128	Resonant x-ray diffraction study of the charge ordering in magnetite. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 7633-7642	1.8	40
127	Neutron texture analysis on GEM at ISIS. <i>Physica B: Condensed Matter</i> , 2006 , 385-386, 639-643	2.8	39
126	Transition from itinerant to polaronic conduction in La _{1-x} Sr _x CoO ₃ perovskites. <i>Europhysics Letters</i> , 1999 , 45, 399-405	1.6	38
125	A New Monoclinic Perovskite Allotype in Pr _{0.6} Sr _{0.4} MnO ₃ . <i>Journal of Solid State Chemistry</i> , 1996 , 127, 276-282	3.3	38
124	Structural behavior of the kagome antiferromagnet TmBaCo ₄ O ₇ : Neutron diffraction study and group-theoretical consideration. <i>Physical Review B</i> , 2009 , 80,	3.3	37
123	Neutron Diffraction Study of the Structural and Electronic Properties of Sr ₂ HoMn ₂ O ₇ and Sr ₂ YMn ₂ O ₇ . <i>Chemistry of Materials</i> , 1997 , 9, 3136-3143	9.6	37
122	Structural evolution of natrolite during over-hydration: a high-pressure neutron diffraction study. <i>European Journal of Mineralogy</i> , 2005 , 17, 305-314	2.2	37
121	Structural and magnetic ordering in Pr _{0.65} (Ca _{1-x} Sr _x) _{0.35} MnO ₃ : Quantum critical point versus phase segregation scenarios. <i>Physical Review B</i> , 2002 , 66,	3.3	37
120	Identity of planar defects in the Infinite-layer' copper oxide superconductor. <i>Nature</i> , 1994 , 370, 352-354	50.4	37
119	Polarizing an antiferromagnet by optical engineering of the crystal field. <i>Nature Physics</i> , 2020 , 16, 937-941	16.2	36
118	Symmetry constraints on the electrical polarization in multiferroic materials. <i>Physical Review B</i> , 2007 , 76,	3.3	36

117	Deterministic and robust room-temperature exchange coupling in monodomain multiferroic BiFeO heterostructures. <i>Nature Communications</i> , 2017 , 8, 1583	17.4	35
116	Structural phase transition and magnetism in hexagonal SrMnO ₃ by magnetization measurements and by electron, x-ray, and neutron diffraction studies. <i>Physical Review B</i> , 2007 , 75,	3.3	34
115	Local atomic strain in ZnSe _{1-x} Te _x from high real-space resolution neutron pair distribution function measurements. <i>Physical Review B</i> , 2001 , 63,	3.3	34
114	Helical spin waves, magnetic order, and fluctuations in the langasite compound Ba ₃ NbFe ₃ Si ₂ O ₁₄ . <i>Physical Review B</i> , 2011 , 83,	3.3	33
113	CaBaCo ₄ O ₇ : A ferrimagnetic pyroelectric. <i>Physical Review B</i> , 2014 , 90,	3.3	32
112	Pressure-induced polar phases in multiferroic delafossite CuFeO ₂ . <i>Physical Review B</i> , 2014 , 89,	3.3	32
111	Multiple defects in overdoped Tl ₂ Ba ₂ CuO ₆ + δ effects on structure and superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 277, 170-182	1.3	32
110	Further study of the cation ordering in phengite 3T by neutron powder diffraction. <i>Mineralogical Magazine</i> , 2000 , 64, 11-18	1.7	32
109	Structure of HgBa ₂ CuO ₄ + δ 0.06. <i>Physical Review B</i> , 1999 , 59, 7209-7215	3.3	32
108	Multiferroicity and spiral magnetism in FeVO ₄ with quenched Fe orbital moments. <i>Physical Review B</i> , 2009 , 80,	3.3	31
107	High-temperature neutron scattering investigation of the β phase in the Mg-Zr-O-N system. <i>Journal of Physics and Chemistry of Solids</i> , 1997 , 58, 1557-1568	3.9	31
106	Detailed crystallographic analysis of the ice VI to ice XV hydrogen ordering phase transition. <i>Journal of Chemical Physics</i> , 2016 , 145, 204501	3.9	31
105	A powder diffraction study of the phase transition in LaAlO ₃ . <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 2000 , 215, 536-541	1	30
104	Neutron Diffraction from Novel Materials. <i>MRS Bulletin</i> , 1999 , 24, 24-28	3.2	30
103	Diffraction Studies of Multiferroics. <i>Annual Review of Materials Research</i> , 2014 , 44, 269-298	12.8	27
102	Charge disproportionation and collinear magnetic order in the frustrated triangular antiferromagnet AgNiO ₂ . <i>Physical Review B</i> , 2008 , 77,	3.3	27
101	Magnetic order and lattice anomalies in the J ₁ J ₂ model system VOMoO ₄ . <i>Physical Review B</i> , 2005 , 71,	3.3	26
100	Pressure-induced orthorhombic-rhombohedral phase transition in NdNiO ₃ . <i>Physica B: Condensed Matter</i> , 1997 , 234-236, 15-17	2.8	25

99	MnSb2O6: a polar magnet with a chiral crystal structure. <i>Physical Review Letters</i> , 2013 , 111, 017202	7.4	24
98	Commensurate phase of multiferroic HoMn2O5 studied by x-ray magnetic scattering. <i>Physical Review B</i> , 2008 , 77,	3.3	24
97	Incommensurate magnetic structure of YMn2O5: A stringent test of the multiferroic mechanism. <i>Physical Review B</i> , 2009 , 79,	3.3	23
96	Modulated spin helicity stabilized by incommensurate orbital density waves in a quadruple perovskite manganite. <i>Physical Review B</i> , 2016 , 93,	3.3	22
95	Helical scattering signatures of strain and electronic textures in YbFe2O4 from three-dimensional reciprocal-space imaging. <i>Physical Review B</i> , 2012 , 85,	3.3	22
94	Gold substitution in mercury cuprate superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1996 , 262, 151-158	1.3	20
93	Coherent Magnetoelastic Domains in Multiferroic BiFeO ₃ Films. <i>Physical Review Letters</i> , 2016 , 117, 177601	7.4	19
92	Rotational dynamics of methyl groups in durene: A crystallographic, spectroscopic, and molecular mechanics investigation. <i>Journal of Chemical Physics</i> , 1999 , 110, 516-527	3.9	19
91	High pressure synthesis and properties of the HgBa ₂ Ca _{n-1} Cu _n O _{2n+2+δ} (n=1-8) superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 146-149	1.3	19
90	Magneto-orbital ordering in the divalent A-site quadruple perovskite manganites AMn7O12 (A=Sr, Cd, and Pb). <i>Physical Review B</i> , 2017 , 96,	3.3	17
89	Crystal structure of the double-hg-layer copper oxide superconductor (Hg, Pr)2Ba2(Y, Ca)Cu2O8δ as a function of doping. <i>Journal of Physics and Chemistry of Solids</i> , 1995 , 56, 1471-1478	3.9	17
88	Magnetic and ferroelectric orderings in multiferroic BiNaFeO2. <i>Physical Review B</i> , 2014 , 89,	3.3	16
87	Hysteresis of the Pressure-Induced Jahn-Teller Switch in Deuterated Ammonium Copper(II) Tutton Salt, (ND ₄) ₂ [Cu(D ₂ O) ₆](SO ₄) ₂ . <i>Inorganic Chemistry</i> , 1997 , 36, 3382-3385	5.1	16
86	Emergent helical texture of electric dipoles. <i>Science</i> , 2020 , 369, 680-684	33.3	16
85	Direct observation of charge order in triangular metallic AgNiO2 by single-crystal resonant X-ray scattering. <i>Physical Review Letters</i> , 2011 , 106, 157206	7.4	15
84	Synthesis, neutron diffraction study and cation substitutions in Sr _n Bi ₂ Cu _{n+1} O _{2n} (n = 3, 5). <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 276, 139-146	1.3	15
83	The Crystal Structure and Methyl Group Dynamics in the Room-Temperature and Low-Temperature Phases of Lithium Acetate Dihydrate. <i>Journal of Solid State Chemistry</i> , 1996 , 126, 184-188	3.3	15
82	Magneto-Optical Kerr Switching Properties of (CrI ₃) ₂ and (CrBr ₃ /CrI ₃) Bilayers. <i>ACS Applied Electronic Materials</i> , 2020 , 2, 1373-1380	4	14

81	Sr _{1.8} Nd _{1.2} Mn ₂ O ₇ : Synthesis, Crystal Structure, and Physical Properties. <i>Chemistry of Materials</i> , 1997 , 9, 3215-3221	9.6	14
80	Competition between charge ordering and ferromagnetism in manganese perovskites. <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 295-302	2.8	14
79	Structural instability around T _c observed in Hg-1201 by neutron powder diffraction and EXAFS. <i>Physica C: Superconductivity and Its Applications</i> , 1997 , 282-287, 1081-1082	1.3	14
78	Structural aspects of metamagnetism in Ca _{2-x} Sr _x RuO ₄ : evidence for field tuning of orbital occupation. <i>Physical Review Letters</i> , 2005 , 95, 267403	7.4	14
77	Neutron scattering studies of phase segregation in Pr _{0.7} Ca _{0.3} MnO ₃ . <i>Physica B: Condensed Matter</i> , 2000 , 276-278, 551-553	2.8	14
76	Breaking symmetry with light: Ultrafast ferroelectricity and magnetism from three-phonon coupling. <i>Physical Review B</i> , 2018 , 97,	3.3	13
75	Ab initio calculation of spin fluctuation spectra using time-dependent density functional perturbation theory, plane waves, and pseudopotentials. <i>Physical Review B</i> , 2018 , 97,	3.3	13
74	Theory of Electromagnons in CuO. <i>Physical Review Letters</i> , 2015 , 114, 197201	7.4	13
73	Magnetoelastic Coupling Across the Metamagnetic Transition in Ca _{2-x} Sr _x RuO ₄ ((0.2 ≤ x ≤ 0.5)). <i>Journal of Low Temperature Physics</i> , 2007 , 147, 405-420	1.3	13
72	Crystal structure of the superconducting layered cobaltate Na _x CoO ₂ ·yD ₂ O. <i>Journal of Physics Condensed Matter</i> , 2005 , 17, 3293-3304	1.8	13
71	Structural effects of hydrostatic pressure in Sr _{1-x} M _x CuO ₂ (M=La,Ca) and Sr ₄ Cu ₆ O ₁₀ . <i>Physical Review B</i> , 1994 , 50, 12752-12759	3.3	13
70	Reversible hydrogen control of antiferromagnetic anisotropy in HfFeO. <i>Nature Communications</i> , 2021 , 12, 1668	17.4	13
69	Ba ₂ YFeO _{5.5} : A Ferromagnetic Pyroelectric Phase Prepared by Topochemical Oxidation.. <i>Chemistry of Materials</i> , 2013 , 25, 1800-1808	9.6	12
68	First-principles study of structurally modulated multiferroic CaMn ₇ O ₁₂ . <i>Physical Review B</i> , 2015 , 91,	3.3	12
67	Structure and superconductivity of YSr ₂ Cu ₃ O _{7-δ} . <i>Physica C: Superconductivity and Its Applications</i> , 2000 , 341-348, 605-606	1.3	12
66	Phase separation and doped-hole segregation in La ₂ CuO _{4+δ} and La _{2-x} Sr _x CuO _{4+δ} . <i>Physica C: Superconductivity and Its Applications</i> , 1994 , 235-240, 257-260	1.3	12
65	Crystal and magnetic structures of (La _{0.70} Ca _{0.30})(Cr _{1/3} Mn _{2/3})O ₃ : A neutron powder diffraction study. <i>Physical Review B</i> , 2008 , 77,	3.3	11
64	The Replacement of [HgO ₂] ₂ by the Tetrahedral Sulfate Anion [SO ₄] ₂ in the Hg-1201 Superconductor. <i>Journal of Solid State Chemistry</i> , 1996 , 121, 66-73	3.3	11

- 63 Phase imaging using time-of-flight neutron diffraction. *Journal of Applied Crystallography*, **2006**, 39, 82-89.8 10
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