

Taka-hisa Arima

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296
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298
ext. papers

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ext. citations

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L-index

#	Paper	IF	Citations
296	Magnetic control of ferroelectric polarization. <i>Nature</i> , 2003 , 426, 55-8	50.4	3736
295	Insulator-metal transition and giant magnetoresistance in La _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 1995 , 51, 14103-14109	3.3	2478
294	Optical spectra of La _{2-x} Sr _x CuO ₄ : Effect of carrier doping on the electronic structure of the CuO ₂ plane. <i>Physical Review B</i> , 1991 , 43, 7942-7954	3.3	869
293	Phase-sensitive observation of a spin-orbital Mott state in Sr ₂ IrO ₄ . <i>Science</i> , 2009 , 323, 1329-32	33.3	855
292	Giant Magnetotransport Phenomena in Filling-Controlled Kondo Lattice System: La _{1-x} Sr _x MnO ₃ . <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 3931-3935	1.5	710
291	New phases of c ₆₀ synthesized at high pressure. <i>Science</i> , 1994 , 264, 1570-2	33.3	604
290	A structural phase transition induced by an external magnetic field. <i>Nature</i> , 1995 , 373, 407-409	50.4	597
289	Magnetic reversal of the ferroelectric polarization in a multiferroic spinel oxide. <i>Physical Review Letters</i> , 2006 , 96, 207204	7.4	574
288	Resonant X-Ray Scattering from Orbital Ordering in LaMnO ₃ . <i>Physical Review Letters</i> , 1998 , 81, 582-585	7.4	549
287	Direct Observation of Charge and Orbital Ordering in La _{0.5} Sr _{1.5} MnO ₄ . <i>Physical Review Letters</i> , 1998 , 80, 1932-1935	7.4	503
286	Filling dependence of electronic properties on the verge of metal-Mott-insulator transition in Sr _{1-x} La _x TiO ₃ . <i>Physical Review Letters</i> , 1993 , 70, 2126-2129	7.4	491
285	Variation of optical gaps in perovskite-type 3d transition-metal oxides. <i>Physical Review B</i> , 1993 , 48, 17006-17007	5.3	17007
284	Distorted perovskite with eg ₁ configuration as a frustrated spin system. <i>Physical Review B</i> , 2003 , 68,	3.3	464
283	Anomalous variation of optical spectra with spin polarization in double-exchange ferromagnet: La _{1-x} Sr _x MnO ₃ . <i>Physical Review Letters</i> , 1995 , 75, 109-112	7.4	420
282	Composite domain walls in a multiferroic perovskite ferrite. <i>Nature Materials</i> , 2009 , 8, 558-62	27	404
281	Ferroelectric polarization flop in a frustrated magnet MnWO ₄ induced by a magnetic field. <i>Physical Review Letters</i> , 2006 , 97, 097203	7.4	375
280	Large topological Hall effect in a short-period helimagnet MnGe. <i>Physical Review Letters</i> , 2011 , 106, 156603	6.3	372

279	Magnetic-field-induced ferroelectric state in DyFeO ₃ . <i>Physical Review Letters</i> , 2008 , 101, 097205	7.4	355
278	Ferroelectricity Induced by Proper-Screw Type Magnetic Order. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 073702	1.5	342
277	Variation of electronic structure in La _{1-x} Sr _x MnO ₃ (0 ≤ x ≤ 0.3) as investigated by optical conductivity spectra. <i>Physical Review B</i> , 1997 , 55, 4206-4214	3.3	295
276	Electric control of spin helicity in a magnetic ferroelectric. <i>Physical Review Letters</i> , 2007 , 98, 147204	7.4	262
275	Multiferroic M-type hexaferrites with a room-temperature conical state and magnetically controllable spin helicity. <i>Physical Review Letters</i> , 2010 , 105, 257201	7.4	242
274	Cu-O network dependence of optical charge-transfer gaps and spin-pair excitations in single-CuO ₂ -layer compounds. <i>Physical Review B</i> , 1990 , 41, 11657-11660	3.3	234
273	Random potential effect near the bicritical region in perovskite manganites as revealed by comparison with the ordered perovskite analogs. <i>Physical Review Letters</i> , 2003 , 90, 177203	7.4	221
272	Structural and magnetoelectric properties of Ga _{2-x} FexO ₃ single crystals grown by a floating-zone method. <i>Physical Review B</i> , 2004 , 70,	3.3	218
271	Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. <i>Science</i> , 2019 , 365, 914-918	33.3	194
270	Optical Study of Electronic Structure in Perovskite-Type RMO ₃ (R=La, Y; M=Sc, Ti, V, Cr, Mn, Fe, Co, Ni, Cu). <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 2488-2501	1.5	192
269	Optical spectra in (La,Y)TiO ₃ : Variation of Mott-Hubbard gap features with change of electron correlation and band filling. <i>Physical Review B</i> , 1995 , 51, 9581-9588	3.3	189
268	Collinear to spiral spin transformation without changing the modulation wavelength upon ferroelectric transition in Tb _{1-x} DyxMnO ₃ . <i>Physical Review Letters</i> , 2006 , 96, 097202	7.4	183
267	Transient photoinduced hidden phase in a manganite. <i>Nature Materials</i> , 2011 , 10, 101-5	27	170
266	New Classification Method for Layered Copper Oxide Compounds and Its Application to Design of New High T _c Superconductors. <i>Japanese Journal of Applied Physics</i> , 1990 , 29, 2388-2402	1.4	148
265	Perovskite manganites hosting versatile multiferroic phases with symmetric and antisymmetric exchange strictions. <i>Physical Review B</i> , 2010 , 81,	3.3	147
264	Orbital ordering and magnetic field effect in MnV ₂ O ₄ . <i>Physical Review Letters</i> , 2007 , 98, 127203	7.4	145
263	Electric-field-induced generation and reversal of ferromagnetic moment in ferrites. <i>Nature Physics</i> , 2012 , 8, 838-844	16.2	138
262	Two-dimensional Heisenberg behavior of J ^(eff) =1/2 isospins in the paramagnetic state of the spin-orbital Mott insulator Sr ₂ IrO ₄ . <i>Physical Review Letters</i> , 2012 , 108, 247212	7.4	133

261	Magnetoresistance in Metallic Crystals of $\text{La}_{1-x}\text{Sr}_x\text{CoO}_3$. <i>Journal of the Physical Society of Japan</i> , 1995 , 64, 1885-1888	1.5	128
260	Optical-phonon study of single crystals of various layered cuprates and related materials: Evidence of unique electron-phonon coupling in the CuO_2 plane. <i>Physical Review B</i> , 1991 , 43, 10496-10507	3.3	128
259	Optical magnetoelectric effect in the polar GaFeO_3 ferrimagnet. <i>Physical Review Letters</i> , 2004 , 93, 037403	3.4	127
258	Displacement-type ferroelectricity with off-center magnetic ions in perovskite $\text{Sr}(1-x)\text{Ba}(x)\text{MnO}_3$. <i>Physical Review Letters</i> , 2011 , 107, 137601	7.4	118
257	Magnetic-field-induced transition in the lattice modulation of colossal magnetoelectric GdMnO_3 and TbMnO_3 compounds. <i>Physical Review B</i> , 2005 , 72,	3.3	116
256	Uniaxial stress control of skyrmion phase. <i>Nature Communications</i> , 2015 , 6, 8539	17.4	111
255	Control of the ferroelectric properties of DyMn_2O_5 by magnetic fields. <i>Physical Review B</i> , 2004 , 70,	3.3	111
254	Quantum Hall effect in a bulk antiferromagnet EuMnBi_2 with magnetically confined two-dimensional Dirac fermions. <i>Science Advances</i> , 2016 , 2, e1501117	14.3	110
253	Determination of long-range all-in-all-out ordering of Ir^{4+} moments in a pyrochlore iridate $\text{Eu}_2\text{Ir}_2\text{O}_7$ by resonant x-ray diffraction. <i>Physical Review B</i> , 2013 , 87,	3.3	109
252	Change of electronic structures with carrier doping in the highly correlated electron system $\text{Y}_{1-x}\text{Ca}_x\text{TiO}_3$. <i>Physical Review B</i> , 1993 , 48, 511-518	3.3	109
251	Versatile helimagnetic phases under magnetic fields in cubic perovskite SrFeO_3 . <i>Physical Review B</i> , 2011 , 84,	3.3	108
250	Electronic structure of PrNiO_3 studied by photoemission and x-ray-absorption spectroscopy: Band gap and orbital ordering. <i>Physical Review B</i> , 1995 , 52, 13865-13873	3.3	108
249	Spin-Driven Ferroelectricity and Magneto-Electric Effects in Frustrated Magnetic Systems. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 052001	1.5	107
248	X-ray directional dichroism of a polar ferrimagnet. <i>Physical Review Letters</i> , 2004 , 92, 137401	7.4	105
247	Possible skyrmion-lattice ground state in the B20 chiral-lattice magnet MnGe as seen via small-angle neutron scattering. <i>Physical Review B</i> , 2012 , 86,	3.3	103
246	Doping- and pressure-induced change of electrical and magnetic properties in the Mott-Hubbard insulator LaTiO_3 . <i>Physical Review B</i> , 1993 , 48, 9677-9683	3.3	101
245	New double-sheet copper oxide compounds with BiO or TlO bilayers. <i>Nature</i> , 1989 , 342, 890-893	50.4	101
244	Synchrotron x-ray-diffraction study of orbital ordering in YVO_3 . <i>Physical Review B</i> , 2000 , 62, R9271-R9274	4.3	100

243	Polarization reversal in multiferroic TbMnO ₃ with a rotating magnetic field direction. <i>Physical Review Letters</i> , 2007 , 99, 227206	7.4	96
242	Optical-conductivity spectra of Sr _{1-x} La _x TiO ₃ : Filling-dependent effect of the electron correlation. <i>Physical Review B</i> , 1992 , 46, 11167-11170	3.3	96
241	Tetrahedral magnetic order and the metal-insulator transition in the pyrochlore lattice of Cd ₂ Os ₂ O ₇ . <i>Physical Review Letters</i> , 2012 , 108, 247205	7.4	89
240	Electrically driven spin excitation in the ferroelectric magnet DyMnO ₃ . <i>Physical Review B</i> , 2008 , 78,	3.3	86
239	Rotation of orbital stripes and the consequent charge-polarized state in bilayer manganites. <i>Nature Materials</i> , 2006 , 5, 937-41	27	84
238	Polarization-dependent resonant-x-ray diffraction in charge- and orbital-ordering phase of Nd _{1/2} Sr _{1/2} MnO ₃ . <i>Physical Review B</i> , 1999 , 60, 2425-2428	3.3	84
237	LaMnO ₃ /SrMnO ₃ interfaces with coupled charge-spin-orbital modulation. <i>Applied Physics Letters</i> , 2006 , 89, 052506	3.4	82
236	Néel-Type Skyrmion Lattice in the Tetragonal Polar Magnet VOSe ₂ O ₅ . <i>Physical Review Letters</i> , 2017 , 119, 237201	7.4	80
235	Structural and Magnetic Properties of Spinel FeV ₂ O ₄ with Two Ions Having Orbital Degrees of Freedom. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 053708	1.5	80
234	Magnetic control of crystal chirality and the existence of a large magneto-optical dichroism effect in CuB ₂ O ₄ . <i>Physical Review Letters</i> , 2008 , 101, 117402	7.4	77
233	Correlation between ferroelectric polarization and sense of helical spin order in multiferroic MnWO ₄ . <i>Physical Review B</i> , 2008 , 77,	3.3	77
232	Ferroelectric Polarization Reversal by a Magnetic Field in Multiferroic Y-type Hexaferrite Ba ₂ Mg ₂ Fe ₁₂ O ₂₂ . <i>Applied Physics Express</i> , 2008 , 1, 031301	2.4	74
231	Evidence for an electric-dipole active continuum band of spin excitations in multiferroic TbMnO ₃ . <i>Physical Review Letters</i> , 2008 , 101, 187201	7.4	73
230	Magnetolectric coupling in the honeycomb antiferromagnet Co ₄ Nb ₂ O ₉ . <i>Physical Review B</i> , 2016 , 93,	3.3	70
229	Cycloidal spin order in the a-axis polarized ferroelectric phase of orthorhombic perovskite manganite. <i>Physical Review Letters</i> , 2008 , 101, 097204	7.4	70
228	Magneto-electric optics in non-centrosymmetric ferromagnets. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 434211	1.8	70
227	Ferroelectric phase transitions of 3d-spin origin in Eu _{1-x} Y _x MnO ₃ . <i>Physical Review B</i> , 2007 , 76,	3.3	70
226	Optical spectra of Y _{1-x} Ca _x VO ₃ : Change of electronic structures with hole doping in Mott-Hubbard insulators. <i>Physical Review B</i> , 1993 , 47, 6197-6202	3.3	69

225	Magnetoelectric memory effect of the nonpolar phase with collinear spin structure in multiferroic MnWO ₄ . <i>Physical Review Letters</i> , 2009 , 102, 147201	7.4	68
224	Magnetically driven ferroelectric atomic displacements in orthorhombic YMnO ₃ . <i>Physical Review B</i> , 2011 , 84,	3.3	66
223	Gigantic Optical Magnetoelectric Effect in Cu ₂ O ₄ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 013705	1.5	63
222	Magnetic-field dependence of the ferroelectric polarization and spin-lattice coupling in multiferroic MnWO ₄ . <i>Physical Review B</i> , 2008 , 77,	3.3	63
221	Effect of Mn trimerization on the magnetic and dielectric properties of hexagonal YMnO ₃ . <i>Physical Review B</i> , 2005 , 71,	3.3	63
220	Skyrmion lattice structural transition in MnSi. <i>Science Advances</i> , 2017 , 3, e1602562	14.3	62
219	Magnetization-induced second harmonic generation in a polar ferromagnet. <i>Physical Review Letters</i> , 2004 , 92, 047401	7.4	61
218	Optical spectroscopy of the metal-insulator transition in NdNiO ₃ . <i>Physical Review B</i> , 1995 , 51, 4830-4835,	3.3	61
217	Optical excitations in CuO ₂ sheets and their strong dependence on Cu-O coordination and bond length. <i>Physical Review B</i> , 1991 , 44, 917-920	3.3	61
216	Superconductivity in Cu _x IrTe ₂ driven by interlayer hybridization. <i>Physical Review B</i> , 2013 , 87,	3.3	60
215	Stepwise neutral-ionic phase transitions in a covalently bonded donor/acceptor chain compound. <i>Journal of the American Chemical Society</i> , 2011 , 133, 5338-45	16.4	60
214	Orbital structures in spinel vanadates AV ₂ O ₄ (A = Fe, Mn). <i>Physical Review B</i> , 2012 , 86,	3.3	58
213	MgZnO/ZnO heterostructures with electron mobility exceeding 1 × 10 ⁶ cm ² /Vs. <i>Scientific Reports</i> , 2016 , 6, 26598	4.9	56
212	Temperature-dependent Raman scattering study of multiferroic MnWO ₄ . <i>Journal of Raman Spectroscopy</i> , 2010 , 41, 1005-1010	2.3	56
211	Thermodynamically stable skyrmion lattice at low temperatures in a bulk crystal of lacunar spinel GaV ₄ Se ₈ . <i>Physical Review B</i> , 2017 , 95,	3.3	54
210	Periodic rotation of magnetization in a non-centrosymmetric soft magnet induced by an electric field. <i>Nature Materials</i> , 2009 , 8, 634-8	27	52
209	Optical spectra of Pr _{2-x} Ce _x CuO _{4-δ} crystals: Evolution of in-gap states with electron doping. <i>Physical Review B</i> , 1993 , 48, 6597-6603	3.3	52
208	In-plane and out-of-plane thermal conductivity of La ₂ BrCuO ₄ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1409-1410	1.3	52

207	Weak antiferromagnetism of Jeff=12 band in bilayer iridate Sr3Ir2O7. <i>Physical Review B</i> , 2012 , 86,	3.3	51
206	Structural assignment of polarization in hydrogen-bonded supramolecular ferroelectrics. <i>Journal of the American Chemical Society</i> , 2007 , 129, 12920-1	16.4	51
205	Odd-parity magnetoresistance in pyrochlore iridate thin films with broken time-reversal symmetry. <i>Scientific Reports</i> , 2015 , 5, 9711	4.9	50
204	Electric-dipole-active magnetic resonance in the conical-spin magnet Ba2Mg2Fe12O22. <i>Physical Review B</i> , 2009 , 80,	3.3	50
203	Resonant Magnetoelectric X-ray Scattering in GaFeO3: Observation of Ordering of Toroidal Moments. <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 1419-1422	1.5	50
202	Observation of the High-TcPhase and Determination of the Pb Position in a Bi-Pb-Sr-Ca-Cu Oxide Superconductor. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L57-L59	1.4	50
201	Time-Reversal Symmetry Breaking and Consequent Physical Responses Induced by All-In-All-Out Type Magnetic Order on the Pyrochlore Lattice. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 013705	1.5	49
200	Nonlinear magneto-optical kerr rotation of an oxide superlattice with artificially broken symmetry. <i>Physical Review Letters</i> , 2003 , 90, 217403	7.4	49
199	Resonant x-ray diffraction study of the strongly spin-orbit-coupled mott insulator CaIrO3. <i>Physical Review Letters</i> , 2013 , 110, 217212	7.4	48
198	Two distinct ferroelectric phases in the multiferroic Y-type hexaferrite Ba2Mg2Fe12O22. <i>Physical Review B</i> , 2009 , 80,	3.3	48
197	Pressure dependence of Tc in the MgB2 superconductor as probed by resistivity measurements. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, L267-L270	1.8	48
196	Change in charge and orbital alignment upon antiferromagnetic transition in the A-site-ordered perovskite manganese oxide RBaMn2O6 (R=Tb and Sm). <i>Physical Review B</i> , 2002 , 66,	3.3	47
195	One-Way Transparency of Light in Multiferroic CuB(2)O(4). <i>Physical Review Letters</i> , 2015 , 115, 267207	7.4	45
194	Magnetic-field-induced polarization flop in multiferroic TmMn2O5. <i>Physical Review Letters</i> , 2009 , 103, 077204	7.4	45
193	Optical magnetoelectric effect of patterned oxide superlattices with ferromagnetic interfaces. <i>Physical Review Letters</i> , 2007 , 99, 197404	7.4	45
192	Enhanced optical magnetoelectric effect in a patterned polar ferrimagnet. <i>Physical Review Letters</i> , 2006 , 96, 167202	7.4	45
191	Charge/orbital ordering structure of Pr(1-x)Ca(x)MnO(3) (x = 3/8) examined by low-temperature transmission electron microscopy. <i>Physical Review Letters</i> , 2002 , 88, 097201	7.4	45
190	Extended family of new Bi-2222 superconducting cuprates Bi2Sr2(RE1-xCex)2Cu2O10+y, RE=rare earth. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 79-84	1.3	45

- 189 Charge-orbital ordering near the multicritical point in A-site ordered perovskites $\text{SmBaMn}_2\text{O}_6$ and $\text{NdBaMn}_2\text{O}_6$. *Physical Review B*, **2004**, 70, 3-3 44
- 188 A new homologous series of oxycarbonate superconductors $\text{Sr}_2(\text{Ca,Sr})_n\text{Cu}_n(\text{CO}_3)_{1-n}(\text{BO}_3)_n\text{O}_y$ ($n=1, 2$ and 3). *Physica C: Superconductivity and Its Applications*, **1994**, 229, 310-314 1-3 42
- 187 Skyrmion formation in a bulk chiral magnet at zero magnetic field and above room temperature. *Physical Review Materials*, **2017**, 1, 3-2 42
- 186 Effect of randomness on ferroelastic transitions: Disorder-induced hysteresis loop rounding in Ti-Nb-O martensitic alloy. *Physical Review B*, **2010**, 82, 3-3 41
- 185 Application of a portable pulsed magnet to synchrotron radiation experiments. *Physica B: Condensed Matter*, **2004**, 346-347, 519-523 2-8 41
- 184 Current-Induced Nucleation and Annihilation of Magnetic Skyrmions at Room Temperature in a Chiral Magnet. *Advanced Materials*, **2017**, 29, 1606178 24 40
- 183 Magnetic biasing of a ferroelectric hysteresis loop in a multiferroic orthoferrite. *Physical Review Letters*, **2014**, 112, 037203 7-4 40
- 182 Ferrimagnetism and spontaneous ordering of transition metals in double perovskite $\text{La}_2\text{CrFeO}_6$ films. *Physical Review B*, **2011**, 84, 3-3 39
- 181 Colossal electroresistance effect at metal electrode/ $\text{La}_{1-x}\text{Sr}_x\text{MnO}_4$ interfaces. *Applied Physics Letters*, **2006**, 88, 223507 3-4 38
- 180 Magnetic structures and excitations in a multiferroic Y-type hexaferrite $\text{BaSrCo}_2\text{Fe}_{11}\text{AlO}_{22}$. *Physical Review B*, **2016**, 94, 3-3 38
- 179 Electrical magnetochiral effect induced by chiral spin fluctuations. *Nature Communications*, **2017**, 8, 866 17.4 37
- 178 Formation and control of magnetic vortex chirality in patterned micromagnet arrays. *Journal of Applied Physics*, **2008**, 103, 023904 2-5 37
- 177 Optical Study of Metal-Insulator Transition in $\text{SmBaCo}_2\text{O}_6$ -Single Crystal. *Journal of the Physical Society of Japan*, **2000**, 69, 3525-3528 1-5 37
- 176 Electronic Structure of Layered Perovskite LaSrMO_4 ($M=\text{Cr, Mn, Fe}$ and Co). *Journal of the Physical Society of Japan*, **1995**, 64, 4117-4120 1-5 37
- 175 Spin-wave spectroscopy of the Dzyaloshinskii-Moriya interaction in room-temperature chiral magnets hosting skyrmions. *Physical Review B*, **2017**, 95, 3-3 36
- 174 Epitaxial-strain effect on charge/orbital order in $\text{Pr}_{0.5}\text{Ca}_{0.5}\text{MnO}_3$ films. *Applied Physics Letters*, **2009**, 95, 152502 3-4 36
- 173 Direct observation of orbital ordering in the spinel oxide FeCr_2O_4 through electrostatic potential using convergent-beam electron diffraction. *Physical Review B*, **2010**, 81, 3-3 34
- 172 Crystallographic superstructure of Ti-doped hexagonal YMnO_3 . *Physical Review B*, **2005**, 71, 3-3 34

171	Direct imaging of temperature-dependent layered antiferromagnetism of a magnetic oxide. <i>Physical Review Letters</i> , 2004 , 93, 107201	7.4	34
170	Impurity-induced transition to a Mott insulator in Sr ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2005 , 72,	3.3	34
169	Observation of the antiferroquadrupolar order in DyB ₂ C ₂ by resonant x-ray scattering. <i>Physical Review B</i> , 2002 , 65,	3.3	34
168	Structural and spectroscopic properties of pressure-induced C70 polymers. <i>Applied Physics A: Materials Science and Processing</i> , 1997 , 64, 251-256	2.6	33
167	Control of the magnetoelectric domain-wall stability by a magnetic field in a multiferroic MnWO ₄ . <i>Physical Review Letters</i> , 2008 , 101, 207205	7.4	32
166	Magnon dispersion shift in the induced ferromagnetic phase of noncentrosymmetric MnSi. <i>Physical Review B</i> , 2016 , 94,	3.3	32
165	All-in-all-out magnetic domains: x-ray diffraction imaging and magnetic field control. <i>Physical Review Letters</i> , 2015 , 114, 147205	7.4	31
164	Control of the polarization flop direction by a tilted magnetic field in multiferroic TbMnO ₃ . <i>Physical Review B</i> , 2009 , 80,	3.3	31
163	Commensurate-incommensurate crossover of charge stripe in La _{2-x} Sr _x NiO ₄ (x approximately 1/3). <i>Physical Review Letters</i> , 2004 , 92, 196404	7.4	31
162	Manipulation of electric polarization with rotating magnetic field in a honeycomb antiferromagnet Co ₄ Nb ₂ O ₉ . <i>Physical Review B</i> , 2017 , 96,	3.3	30
161	Electron scattering times in ZnO based polar heterostructures. <i>Applied Physics Letters</i> , 2015 , 107, 082103	3.4	30
160	Spin and orbital contributions to magnetically ordered moments in 5d layered perovskite Sr ₂ IrO ₄ . <i>Physical Review Letters</i> , 2014 , 112, 016405	7.4	30
159	Soft phonon mode coupled with antiferromagnetic order in incipient-ferroelectric Mott insulators Sr _{1-x} Ba _x MnO ₃ . <i>Physical Review B</i> , 2012 , 86,	3.3	30
158	Orbital dilution effect in ferrimagnetic Fe(1-x)Mn(x)Cr ₂ O(4): competition between anharmonic lattice potential and spin-orbit coupling. <i>Journal of Physics Condensed Matter</i> , 2010 , 22, 176003	1.8	30
157	Bandwidth-disorder phase diagram of half-doped layered manganites. <i>Physical Review B</i> , 2006 , 74,	3.3	29
156	Charge/Orbital Ordering Structure in Ordered Perovskite Sm _{1/2} Ba _{1/2} MnO ₃ . <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 2605-2608	1.5	29
155	Dynamical process of skyrmion-helical magnetic transformation of the chiral-lattice magnet FeGe probed by small-angle resonant soft x-ray scattering. <i>Physical Review B</i> , 2015 , 92,	3.3	28
154	Ferroelectric-like metallic state in electron doped BaTiO ₃ . <i>Scientific Reports</i> , 2015 , 5, 13207	4.9	28

153	Far-infrared optical study of electromagnons and their coupling to optical phonons in $\text{Eu}_{1-x}\text{Y}_x\text{MnO}_3$ ($x=0.1, 0.2, 0.3, 0.4,$ and 0.45). <i>Physical Review B</i> , 2009 , 79,	3.3	28
152	Electric-Dipole Active Two-Magnon Excitation in ab Spiral Spin Phase of a Ferroelectric Magnet $\text{Gd}_{0.7}\text{Tb}_{0.3}\text{MnO}_3$. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 123704	1.5	28
151	Spin-Lattice Coupling in Ferroelectric Spiral Magnets: Comparison between the Cases of $(\text{Tb,Dy})\text{MnO}_3$ and CoCr_2O_4 . <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 023602	1.5	28
150	Gate-tunable gigantic lattice deformation in VO_2 . <i>Applied Physics Letters</i> , 2014 , 104, 023507	3.4	27
149	Lorentz transmission electron microscopy on nanometric magnetic bubbles and skyrmions in bilayered manganites $\text{La}_{1.2}\text{Sr}_{1.8}(\text{Mn}_{1-x}\text{Ru}_x)_2\text{O}_7$ with controlled magnetic anisotropy. <i>Applied Physics Letters</i> , 2015 , 107, 212401	3.4	27
148	Deformation of Topologically-Protected Supercooled Skyrmions in a Thin Plate of Chiral Magnet CoZnMn . <i>Nano Letters</i> , 2017 , 17, 1637-1641	11.5	26
147	Magnetic domain structure of a $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ (001) surface observed by a spin-polarized scanning electron microscope. <i>Applied Physics Letters</i> , 2004 , 84, 2361-2363	3.4	26
146	Optical spectra of titanium oxide perovskites with varying number of d-electrons. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1001-1002	1.3	26
145	Lattice-form-dependent orbital shape and charge disproportionation in charge- and orbital-ordered manganites. <i>Physical Review B</i> , 2009 , 80,	3.3	25
144	Multiferroicity in NiBr_2 with long-wavelength cycloidal spin structure on a triangular lattice. <i>Physical Review B</i> , 2011 , 84,	3.3	25
143	Crystallographic Chirality of CsCuCl_3 Probed by Resonant Circularly-Polarized Hard X-ray Diffraction. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 123601	1.5	25
142	Distinct Substrate Effect on the Reversibility of the Metal-Insulator Transitions in Electrolyte-Gated VO_2 Thin Films. <i>Advanced Electronic Materials</i> , 2015 , 1, 1500093	6.4	24
141	Optical phonons in copper oxides with a single CuO_2 plane. <i>Physica C: Superconductivity and Its Applications</i> , 1990 , 168, 117-122	1.3	24
140	All-in-all-out magnetic domain wall conduction in a pyrochlore iridate heterointerface. <i>Physical Review B</i> , 2016 , 93,	3.3	23
139	Evolution of magnetic and structural transitions and enhancement of magnetocaloric effect in $\text{Fe}_{1-x}\text{Mn}_x\text{V}_2\text{O}_4$. <i>Physical Review B</i> , 2014 , 89,	3.3	23
138	Magnetic control of electric polarization in the noncentrosymmetric compound $(\text{Cu,Ni})\text{B}_2\text{O}_4$. <i>Physical Review B</i> , 2013 , 87,	3.3	23
137	Charge-ordered domain structure in YbFe_2O_4 observed by energy-filtered transmission electron microscopy. <i>Physical Review B</i> , 2007 , 76,	3.3	23
136	Magnetic and crystal structures of polar ferrimagnet $\text{Ga}_2-x\text{Fe}_x\text{O}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 555-556	2.8	22

135	Femtosecond activation of magnetoelectricity. <i>Nature Physics</i> , 2018 , 14, 370-374	16.2	21
134	Multi-spin-state dynamics during insulator-metal crossover in LaCoO ₃ . <i>Physical Review B</i> , 2014 , 90,	3.3	21
133	Variation of charge/orbital ordering in layered manganite Pr _{1-x} Ca _{1+x} MnO ₄ investigated by transmission electron microscopy. <i>Physical Review B</i> , 2007 , 75,	3.3	21
132	In-plane anisotropy of the electronic structure for the charge- and orbital-ordered state in half-doped manganite with layered structure. <i>Physical Review Letters</i> , 2006 , 97, 077203	7.4	21
131	Dielectric Spectra in Charge Ordering State of Pr _{1-x} Ca _x MnO ₃ . <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3701-3707	1.5	21
130	A charge-disproportionate ordered state with $\delta = 0.75$ in a chemically sensitive donor/acceptor D _{2d} (2)A(2) layered framework. <i>Chemical Communications</i> , 2015 , 51, 7795-8	5.8	20
129	Interplay among spin, orbital, and lattice degrees of freedom in a frustrated spinel Mn ₃ O ₄ . <i>Physical Review B</i> , 2013 , 87,	3.3	20
128	Electronic structure and anomalous band-edge absorption feature in multiferroic MnWO ₄ : An optical spectroscopic study. <i>Physical Review B</i> , 2010 , 81,	3.3	20
127	Optical magnetoelectric effect in a submicron patterned magnet. <i>Physical Review Letters</i> , 2005 , 94, 077205	2.4	20
126	Impact of Ru doping in bilayered manganese oxide La _{1.2} Sr _{1.8} Mn ₂ O ₇ . <i>Applied Physics Letters</i> , 2005 , 86, 242502	3.4	20
125	Effect of uniaxial pressure on orbital ordering in Nd _{1-x} Sr _x MnO ₃ . <i>Physical Review B</i> , 1999 , 60, R15013-R15016	3.1	20
124	Pressure dependence of charge-transfer-type gaps in CuO ₂ layered compounds. <i>Physical Review B</i> , 1992 , 45, 7580-7583	3.3	20
123	Hole Donors in the High-T _c Phase of a Bi-Pb-Sr-Ca-Cu Oxide Superconductor. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L187-L189	1.4	20
122	Motion tracking of 80-nm-size skyrmions upon directional current injections. <i>Science Advances</i> , 2020 , 6, eaaz9744	14.3	19
121	Strain-sensitive spin-state ordering in thin films of perovskite LaCoO ₃ . <i>Physical Review B</i> , 2015 , 92,	3.3	19
120	All-in-all-out magnetic domain size in pyrochlore iridate thin films as probed by local magnetotransport. <i>Applied Physics Letters</i> , 2016 , 108, 022402	3.4	19
119	A-type antiferro-orbital ordering with I ₄ (1)/a symmetry and geometrical frustration in the spinel vanadate MgV ₂ O ₄ . <i>Physical Review Letters</i> , 2013 , 111, 267201	7.4	18
118	Topological spin-hedgehog crystals of a chiral magnet as engineered with magnetic anisotropy. <i>Physical Review B</i> , 2017 , 96,	3.3	18

117	Stabilization of magnetic skyrmions by uniaxial tensile strain. <i>Physical Review B</i> , 2017 , 96,	3.3	18
116	Three-dimensional near-surface imaging of chirality domains with circularly polarized X-rays. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8718-21	16.4	18
115	Magnetically tunable metal-insulator superlattices. <i>Advanced Materials</i> , 2010 , 22, 500-4	24	18
114	Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. <i>Physical Review B</i> , 2015 , 92,	3.3	17
113	Magnetic shape memory effect in orbital-spin-coupled system MnV ₂ O ₄ . <i>Applied Physics Letters</i> , 2012 , 100, 051905	3.4	17
112	Magneto-chiral dichroism of CsCuCl ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	16
111	Emergence and magnetic-field variation of chiral-soliton lattice and skyrmion lattice in the strained helimagnet Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2017 , 96,	3.3	16
110	Direct observation of the spin structures of vortex domain walls in ferromagnetic nanowires. <i>Physical Review B</i> , 2008 , 78,	3.3	16
109	Versatile and competing spin-charge-orbital orders in the bilayered manganite system Pr(Sr _{1-x} Cay) ₂ Mn ₂ O ₇ . <i>Physical Review B</i> , 2008 , 77,	3.3	16
108	Magnetic field switching between the two orbital-ordered states in DyVO ₃ . <i>Physical Review Letters</i> , 2007 , 99, 217201	7.4	16
107	Correlation of electronic structure and ordered charge and orbital patterns for single-layered manganites in a wide hole-doping range (0.01). <i>Physical Review B</i> , 2007 , 75,	3.3	16
106	Observation of nonreciprocal magnetoelectric x-ray scattering in magnetite. <i>Physical Review B</i> , 2005 , 72,	3.3	16
105	Thermopower in Pr _{1-x} CaxMnO ₃ . <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 1278-1281	1.5	16
104	Optical excitations in CuO 2 -sheets doped and undoped with electrons. <i>Physica C: Superconductivity and Its Applications</i> , 1989 , 162-164, 1231-1232	1.3	16
103	Orbital-spin-coupled fluctuations in spinel vanadate MnV ₂ O ₄ . <i>Physical Review B</i> , 2013 , 87,	3.3	15
102	Ferroelectricity driven by charge ordering in the A-site ordered perovskite manganite SmBaMn ₂ O ₆ . <i>Physical Review B</i> , 2014 , 90,	3.3	15
101	Charge and Orbital Order Patterns in an A-Site Ordered Perovskite-Type Manganite SmBaMn ₂ O ₆ Determined by Convergent-Beam Electron Diffraction. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 093602	1.5	15
100	Complex orbital state stabilized by strong spin-orbit coupling in a metallic iridium oxide IrO ₂ . <i>Physical Review B</i> , 2013 , 87,	3.3	15

99	Ultrafast spectral weight transfer in RBaCo ₂ O ₆ (R=Sm, Gd, and Tb): Role of electronic correlation in a photoinduced phase transition. <i>Physical Review B</i> , 2011 , 84,	3-3	15
98	X-ray induced insulator-metal transition in a thin film of electron-doped VO ₂ . <i>Physical Review B</i> , 2011 , 84,	3-3	15
97	Unconventional ferroelectric transition in the multiferroic compound TbMnO ₃ revealed by the absence of an anomaly in c-polarized phonon dispersion. <i>Physical Review Letters</i> , 2009 , 102, 247602	7-4	15
96	Uniaxial-stress control of spin-driven ferroelectricity in multiferroic Ba ₂ CoGe ₂ O ₇ . <i>Physical Review Letters</i> , 2015 , 114, 067201	7-4	14
95	X-ray study of metal-insulator transitions induced by W doping and photoirradiation in VO ₂ films. <i>Physical Review B</i> , 2015 , 91,	3-3	14
94	Magnetic-field-induced spin flop transition and magnetoelectric effect in Ca ₂ Fe _{2-α} Al _{α} O ₅ . <i>Physical Review B</i> , 2014 , 89,	3-3	14
93	Phase diagram and anisotropic physical properties of single crystal Bi _{1-x} Sr _x MnO ₃ (0.35 \leq x \leq 0.64). <i>Physical Review B</i> , 2007 , 75,	3-3	14
92	Monoclinic distortion in the insulating phase of PrNiO ₃ . <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 866-867	2.8	14
91	Anisotropy in the electronic structure of polysilanes investigated by synchrotron-radiation spectroscopy. <i>Physical Review B</i> , 1991 , 44, 5487-5491	3-3	14
90	Anisotropic magnetodielectric coupling in antiferromagnet Co ₄ Nb ₂ O ₉ . <i>Applied Physics Letters</i> , 2019 , 114, 102905	3-4	13
89	X-ray magnetic circular dichroism study of an orbital ordered state in the spinel-type vanadium oxide AV ₂ O ₄ (A=Mn,Fe). <i>Physical Review B</i> , 2015 , 92,	3-3	13
88	Physical properties and crystal structure analysis of double-perovskite NdBaMn ₂ O ₆ by using single crystals. <i>Physical Review B</i> , 2017 , 95,	3-3	12
87	Gigantic directional asymmetry of luminescence in multiferroic CuB ₂ O ₄ . <i>Physical Review B</i> , 2016 , 93,	3-3	12
86	Piezomagnetoelectric Effect of Spin Origin in Dysprosium Orthoferrite. <i>Physical Review Letters</i> , 2015 , 115, 197205	7-4	12
85	Observations of charge-ordered and magnetic domains in LuFe ₂ O ₄ using transmission electron microscopy. <i>Physical Review B</i> , 2012 , 86,	3-3	12
84	Optical Spectra of (Bi, Pb) ₂ (Sr, Ca) ₄ Cu ₃ O ₁₀ Superconductors. <i>Japanese Journal of Applied Physics</i> , 1989 , 28, L913-L915	1.4	12
83	Current-Driven Motion of Domain Boundaries between Skyrmion Lattice and Helical Magnetic Structure. <i>Nano Letters</i> , 2018 , 18, 929-933	11.5	11
82	Heat-Treatment-Induced Switching of Magnetic States in the Doped Polar Semiconductor Ge _{1-x} Mn _x Te. <i>Scientific Reports</i> , 2016 , 6, 25748	4-9	11

81	"Visible" 5d Orbital States in a Pleochroic Oxychloride. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10784-10789	16.4	11
80	Correlation between the mobility of domain wall and polarization flop direction in a slanted magnetic field in the helimagnetic ferroelectrics Tb _{1-x} DyxMnO ₃ . <i>Physical Review B</i> , 2011 , 83,	3.3	11
79	Microscopy of magnetic transition in a layered manganite La _{2-x} Sr _{1+2x} Mn ₂ O ₇ (x=0.32). <i>Physical Review B</i> , 2005 , 71,	3.3	11
78	Giant magnetotransport and magnetostructural phenomena in hole-doped manganese oxides. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 1995 , 31, 187-191	3.1	11
77	Monochiral helimagnetism in homochiral crystals of CsCuCl ₃ . <i>Physical Review Materials</i> , 2017 , 1,	3.2	11
76	Sparse Phase Retrieval Algorithm for Observing Isolated Magnetic Skyrmions by Coherent Soft X-ray Diffraction Imaging. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 024009	1.5	10
75	Electromagnon excitation in the field-induced noncollinear ferrimagnetic phase of Ba ₂ Mg ₂ Fe ₁₂ O ₂₂ studied by polarized inelastic neutron scattering and terahertz time-domain optical spectroscopy. <i>Physical Review B</i> , 2016 , 93,	3.3	10
74	Successive Electronic Transitions and Anisotropic Properties in a Double-Perovskite SmBaMn ₂ O ₆ Single Crystal. <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 113711	1.5	10
73	Visualization of ferroelectric domains in boracite using emission of terahertz radiation. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 09PD08	1.4	9
72	Magnetic-field effects on Jahn-Teller distortion in ferroelastic magnetic insulator Fe _{1-x} MnxCr ₂ O ₄ . <i>Applied Physics Letters</i> , 2011 , 99, 082506	3.4	9
71	Optical imaging of coexisting collinear and spiral spin phases in the magnetoelectric multiferroic MnWO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	9
70	Effects of uniaxial stress on orbital stripe direction in half-doped layered manganites: Eu _{0.5} Ca _{1.5} MnO ₄ and Pr(Sr,Ca) ₂ Mn ₂ O ₇ . <i>Physical Review B</i> , 2008 , 78,	3.3	9
69	Effect of Mn-substitution on magnetic and structural properties in FeCr ₂ O ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 807-809	2.8	9
68	Effect of Cr-doping on charge ordering stability in Bi _{1-x} SrxMn _{1-y} CryO ₃ . <i>Journal of Solid State Chemistry</i> , 2006 , 179, 3121-3125	3.3	9
67	Observation of spin reorientation in layered manganites La _{1.2} Sr _{1.8} (Mn _{1-y} Ruy) ₂ O ₇ (0.0≤y≤0.2) by Lorentz transmission electron microscopy. <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 302, 391-396	2.8	9
66	Change in optical anisotropy with rotation of orbital stripe in a half-doped bilayer manganite. <i>Physical Review B</i> , 2007 , 75,	3.3	9
65	Structural Evolution of GdBaCo ₂ O _{5+δ} (δ= 7/18) at Elevated Temperatures. <i>Chemistry of Materials</i> , 2014 , 26, 6503-6517	9.6	8
64	Superconductivity at the Polar-Nonpolar Phase Boundary of SnP with an Unusual Valence State. <i>Physical Review Letters</i> , 2017 , 119, 207001	7.4	8

63	Directional electric-field induced transformation from skyrmion lattice to distinct helices in multiferroic Cu ₂ OSeO ₃ . <i>Physical Review B</i> , 2017 , 95,	3.3	8
62	Size of orbital-ordering domain controlled by the itinerancy of the 3d electrons in a manganite thin film. <i>Physical Review B</i> , 2009 , 79,	3.3	8
61	Observation of Spin Helicity Using Nonresonant Circularly Polarized X-ray Diffraction Analysis. <i>Journal of the Physical Society of Japan</i> , 2010 , 79, 043711	1.5	8
60	Magnetically Controllable CuB ₂ O ₄ Phase Retarder. <i>Applied Physics Express</i> , 2008 , 1, 121302	2.4	8
59	Coexistence of long-ranged charge and orbital order and spin-glass state in single-layered manganites with weak quenched disorder. <i>Europhysics Letters</i> , 2007 , 80, 37001	1.6	8
58	X-ray diffraction experiments under pulsed magnetic fields above 30 T. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 238, 233-236	1.2	8
57	Surface Ordering of Orbitals at a Higher Temperature in LaCoO ₃ Thin Film. <i>Journal of the Physical Society of Japan</i> , 2016 , 85, 023704	1.5	7
56	Spin-Orbital Correlated Dynamics in the Spinel-Type Vanadium Oxide MnV ₂ O ₄ . <i>Physical Review Letters</i> , 2017 , 119, 017201	7.4	7
55	Electric-field-induced domain switching in the charge/orbital-ordered state of manganite La _{0.5} Sr _{1.5} MnO ₄ . <i>Physical Review B</i> , 2010 , 81,	3.3	7
54	Comment on Calculated chiral and magneto-electric dichroic signals for copper metaborate (CuB ₂ O ₄) in an applied magnetic field. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 498001	1.8	7
53	Magnetization-induced Second-Harmonic Generation in Magnetic Semiconductor (Ga,Mn)As. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2389-2392	1.5	7
52	Effect of lattice mismatch on surface morphology of (110) thin films of 214-type superconductors. <i>Applied Physics Letters</i> , 1995 , 66, 514-516	3.4	7
51	All-in-all-out magnetic domain inversion in Tb ₂ Ir ₂ O ₇ with molecular fields antiparallel to external fields. <i>Physical Review Materials</i> , 2018 , 2,	3.2	7
50	Incommensurate structure of GdBaCo ₂ O _{5+δ} (δ=0.38). <i>Journal of Solid State Chemistry</i> , 2013 , 198, 532-541	3.3	6
49	Imaging of variation in charge/orbital/spin ordering structure in Sm _{1-x} Sr _x MnO ₃ (x=0.55 and 0.6). <i>Applied Physics Letters</i> , 2009 , 94, 082509	3.4	6
48	Magnetic domain structure in the orbital-spin-coupled system MnV ₂ O ₄ . <i>Physical Review B</i> , 2011 , 84,	3.3	6
47	Direct observation of the bandwidth-disorder induced variation of charge/orbital ordering structure in RE _{0.5} (Ca _{1-y} Sr _y)(_{1.5})MnO ₄ . <i>Journal of Physics Condensed Matter</i> , 2007 , 19, 172203	1.8	6
46	Asymmetric behavior of charge-orbital order in electron/hole-doped A-site ordered manganites Eu(Ba _{1-x} La _x)Mn ₂ O ₆ and (Eu _{1-x} Ca _x)BaMn ₂ O ₆ . <i>Physical Review B</i> , 2006 , 74,	3.3	6

45	The oxygen dependence of the magnetic structure for Sr ₃ Fe ₂ O ₇ . <i>Applied Physics A: Materials Science and Processing</i> , 2002 , 74, s914-s916	2.6	6
44	Square and rhombic lattices of magnetic skyrmions in a centrosymmetric binary compound.. <i>Nature Communications</i> , 2022 , 13, 1472	17.4	6
43	Visualizing ferroic domains in an all-in/all-out antiferromagnet thin film. <i>Physical Review B</i> , 2017 , 96,	3.3	5
42	Resonant x-ray magnetoelectric effect in a centrosymmetric spinel oxide. <i>Physical Review B</i> , 2009 , 79,	3.3	5
41	Insulator-metal phase transition of Pr(0.6)Ca(0.4)MnO(3) studied by x-ray absorption spectroscopy in pulsed magnetic fields. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 016006	1.8	5
40	Interfacial Structure of Manganite Superlattice. <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 073601.	1.5	5
39	Pressure-induced cross-linking of C60. <i>Synthetic Metals</i> , 1995 , 70, 1407-1408	3.6	5
38	La _{2-x} Sr _x CuO ₄ (110) thin films epitaxially grown along the CuO ₂ plane on Pr ₂ CuO ₄ single crystals. <i>Applied Physics Letters</i> , 1992 , 61, 2470-2472	3.4	5
37	Single-Crystal X-Ray Structure Analysis of New Oxide-Superconductor Bi ₂ (Sr _{1-x} Ln _x) ₂ (Gd _{1-y} Ce _y) ₂ Cu ₂ O _{10+z} . <i>Japanese Journal of Applied Physics</i> , 1990 , 29, L572-L575	1.4	5
36	Augmented Magnetic Octupole in Kagomé 20-degree Antiferromagnets Detectable via X-ray Magnetic Circular Dichroism. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 083703	1.5	5
35	Direct Observation of Cycloidal Spin Modulation and Field-induced Transition in Néel-type Skyrmion-hosting VOSe ₂ O ₅ . <i>Journal of the Physical Society of Japan</i> , 2021 , 90, 024705	1.5	5
34	Emergent phenomena in perovskite-type manganites. <i>Physica B: Condensed Matter</i> , 2012 , 407, 1685-1688.	1.8	4
33	Structural phase transition and magnetic-field effect on the modulated structure in GdBaCo ₂ O ₅ +δ (<i>Physical Review Letters</i> , 2013 , 110, 125502	7.4	4
32	Electrical control for anisotropy in charge-orbital order state of Bi _{1-x} Sr _x MnO ₃ (x~0.5) at room temperature. <i>Applied Physics Letters</i> , 2007 , 90, 153501	3.4	4
31	Spin dependent distribution and Fermi surface of the perovskite manganite compound La _{0.7} Sr _{0.3} MnO ₃ via 2D-ACAR measurements. <i>Physica Status Solidi (B): Basic Research</i> , 2004 , 241, 345-351.	1.3	4
30	Electrical Control of In-Plane Anisotropy in Charge-Orbital Ordered State of Single-Layered Manganite La _{1/2} Sr _{3/2} MnO ₄ . <i>Applied Physics Express</i> , 2009 , 2, 033004	2.4	4
29	Nonreciprocal second harmonic generation in a magnetoelectric material. <i>Science Advances</i> , 2021 , 7,	14.3	4
28	Large magnetochromism in multiferroic MnWO ₄ . <i>Physical Review B</i> , 2015 , 91,	3.3	3

27	Competing electronic orders in anisotropically strained $(\text{Pr}_{0.6}\text{Ca}_{0.4})_{1-x}(\text{La}_{0.6}\text{Sr}_{0.4})_x\text{MnO}_3$ thin films. <i>Physical Review B</i> , 2010 , 82,	3.3	3
26	Interface properties of superlattices with artificially broken symmetry. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2204-2206	2.8	3
25	Hole concentration dependence of Mn eg orbital state in bilayer manganites studied by magnetic Compton profile measurement. <i>Journal of Physics and Chemistry of Solids</i> , 2005 , 66, 2183-2191	3.9	3
24	Novel insight into structural magnetism by polarized synchrotron X-ray scattering The research was conducted at RIKEN SPring-8 Center. View all notes. <i>Advances in Physics: X</i> , 2016 , 1, 128-145	5.1	3
23	X-ray induced lock-in transition of cycloidal magnetic order in a multiferroic perovskite manganite. <i>Physical Review B</i> , 2015 , 91,	3.3	2
22	Application of strain to orbital-spin-coupled system MnV_2O_4 at cryogenic temperatures within a transmission electron microscope. <i>Microscopy (Oxford, England)</i> , 2016 , 65, 223-32	1.3	2
21	Enhanced ferromagnetic transition temperature induced by a microscopic structural rearrangement in the diluted magnetic semiconductor $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$. <i>Physical Review B</i> , 2017 , 95,	3.3	2
20	Effect of Quenched Disorder on Charge Ordering Structure in $\text{RE}_{1.67}\text{AE}_{0.33}\text{NiO}_4$ (RE = La, Pr, Nd, Sm; AE = Ca, Sr). <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 093709	1.5	2
19	In-plane optical anisotropy for the charge/orbital ordered state in half-doped layered manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 763-765	2.8	2
18	Ferromagnetic ratchet superlattice with a broken inversion symmetry. <i>Physical Review B</i> , 2007 , 75,	3.3	2
17	Optical conductivity in $\text{Pr}_{2-x}\text{CexCuO}_4$ single crystals: Comparison with the case of $\text{La}_{2-x}\text{SrxCuO}_4$. <i>Physica C: Superconductivity and Its Applications</i> , 1991 , 185-189, 1021-1022	1.3	2
16	Soft-X-Ray Vortex Beam Detected by Inline Holography. <i>Physical Review Applied</i> , 2020 , 14,	4.3	2
15	TEM studies of domain formation mechanisms in MnV_2O_4 . <i>Journal of Alloys and Compounds</i> , 2013 , 577, S731-S735	5.7	1
14	Order-disorder phenomena in the charge-orbital sectors of half-doped manganites with the two-dimensional MnO network. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 1963-1965	2.8	1
13	Anisotropic physical properties of the charge and orbital ordering phase in $\text{Bi}_{0.53}\text{Sr}_{0.47}\text{MnO}_3$. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 771-773	2.8	1
12	Charge/orbital ordering structure and microstructure of $\text{Pr}_{1-x}\text{CaxMnO}_3$ ($x \geq 0.5$) studied by low-temperature TEM. <i>Physica C: Superconductivity and Its Applications</i> , 2001 , 357-360, 313-317	1.3	1
11	Change of electronic structures with hole doping in strongly correlated electron systems: titanium oxides. <i>Physica B: Condensed Matter</i> , 1993 , 186-188, 992-994	2.8	1
10	X-ray study of ferroic octupole order producing anomalous Hall effect. <i>Nature Communications</i> , 2021 , 12, 5582	17.4	1

9	Do electron distributions with orbital degree of freedom exhibit anisotropy?. <i>Materials Advances</i> , 2022 , 3, 3192-3198	3.3	1
8	Above-ordering-temperature large anomalous Hall effect in a triangular-lattice magnetic semiconductor.. <i>Science Advances</i> , 2021 , 7, eabl5381	14.3	1
7	Writing of strain-controlled multiferroic ribbons into MnWO. <i>Nature Communications</i> , 2021 , 12, 6199	17.4	0
6	Hard X-ray Resonant Scattering for Studying Magnetism. <i>Springer Tracts in Modern Physics</i> , 2017 , 119-157.	17.1	1
5	Optical detection of the rotation of orbital stripes in a charge-orbital ordered bilayer manganite at half-doping. <i>Physica B: Condensed Matter</i> , 2008 , 403, 1579-1581	2.8	1
4	Transport and magnetic properties of superconducting MgB ₂ . <i>Physica C: Superconductivity and Its Applications</i> , 2002 , 378-381, 499-502	1.3	1
3	High-pressure effect on transport properties of spin-ladder compounds Na _{1-x} CaxV ₂ O ₅ and Ca _{0.7} Li _{0.3} V ₂ O ₅ . <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 226-230, 246-248	2.8	1
2	Photoemission and x-ray absorption spectroscopy of PrNiO ₃ . <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 1996 , 78, 191-194	1.7	1
1	Immediately produced, immortally preserved. <i>Nature Materials</i> , 2021 , 20, 5-6	27	1