

youichi Murakami

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348
papers

10,428
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368
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ext. citations

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L-index

#	Paper	IF	Citations
348	Ferroelectricity from iron valence ordering in the charge-frustrated system LuFe ₂ O ₄ . <i>Nature</i> , 2005 , 436, 1136-8	50.4	802
347	Giant Rashba-type spin splitting in bulk BiTeI. <i>Nature Materials</i> , 2011 , 10, 521-6	27	569
346	Resonant X-Ray Scattering from Orbital Ordering in LaMnO ₃ . <i>Physical Review Letters</i> , 1998 , 81, 582-585	7.4	549
345	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
344	Transition between Two Ferromagnetic States Driven by Orbital Ordering in La _{0.88} Sr _{0.12} MnO ₃ . <i>Physical Review Letters</i> , 1999 , 82, 4328-4331	7.4	241
343	Three-way switching in a cyanide-bridged [CoFe] chain. <i>Nature Chemistry</i> , 2012 , 4, 921-6	17.6	235
342	On the mechanism of fatigue failure in the superlong life regime (N>107 cycles). Part 1: influence of hydrogen trapped by inclusions. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2000 , 23, 893-902	3	200
341	Interplay between Charge, Orbital, and Magnetic Order in Pr _{1-x} Ca _x MnO ₃ . <i>Physical Review Letters</i> , 1999 , 83, 4872-4875	7.4	190
340	Controlled intramolecular electron transfers in cyanide-bridged molecular squares by chemical modifications and external stimuli. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3592-600	16.4	177
339	Above-room-temperature ferroelectricity and antiferroelectricity in benzimidazoles. <i>Nature Communications</i> , 2012 , 3, 1308	17.4	167
338	Electronic ferroelectricity in a molecular crystal with large polarization directing antiparallel to ionic displacement. <i>Physical Review Letters</i> , 2012 , 108, 237601	7.4	162
337	Programmable spin-state switching in a mixed-valence spin-crossover iron grid. <i>Nature Communications</i> , 2014 , 5, 3865	17.4	148
336	Direct observation of antiferroquadrupolar ordering: resonant X-Ray scattering study of DyB ₂ C ₂ . <i>Physical Review Letters</i> , 2000 , 84, 2706-9	7.4	148
335	Resistivity of single crystal C ₆₀ and effect of oxygen. <i>Solid State Communications</i> , 1992 , 84, 827-829	1.6	147
334	STATISTICAL ANALYSIS OF DEFECTS FOR FATIGUE STRENGTH PREDICTION AND QUALITY CONTROL OF MATERIALS. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 1998 , 21, 1049-1065	10.65	131
333	Small Defects and Inhomogeneities in Fatigue Strength: Experiments, Models and Statistical Implications. <i>Extremes</i> , 1999 , 2, 123-147	0.7	126
332	Hydrogen bond-promoted metallic state in a purely organic single-component conductor under pressure. <i>Nature Communications</i> , 2013 , 4, 1344	17.4	118

331	Displacement-type ferroelectricity with off-center magnetic ions in perovskite Sr(1-x)Ba(x)MnO ₃ . <i>Physical Review Letters</i> , 2011 , 107, 137601	7.4	118
330	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
329	On the mechanism of fatigue failure in the superlong life regime (N>107 cycles). Part II: influence of hydrogen trapped by inclusions. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2000 , 23, 903-910	3	113
328	Terahertz radiation from superconducting YBa ₂ Cu ₃ O _{7-δ} thin films excited by femtosecond optical pulses. <i>Applied Physics Letters</i> , 1996 , 69, 2122-2124	3.4	113
327	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
326	Antiferro-Quadrupole Ordering of CeB ₆ Studied by Resonant X-Ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 1857-1860	1.5	103
325	X-ray resonant scattering studies of orbital and charge ordering in Pr _{1-x} Ca _x MnO ₃ . <i>Physical Review B</i> , 2001 , 64,	3.3	100
324	Synchrotron x-ray-diffraction study of orbital ordering in YVO ₃ . <i>Physical Review B</i> , 2000 , 62, R9271-R9274	4.3	100
323	Structure characterization and magnetic properties of oxide superlattices La _{0.6} Sr _{0.4} MnO ₃ /La _{0.6} Sr _{0.4} FeO ₃ . <i>Physical Review B</i> , 1999 , 60, 1211-1215	3.3	97
322	Bipartite magnetic parent phases in the iron oxypnictide superconductor. <i>Nature Physics</i> , 2014 , 10, 300-302	10.2	96
321	Hydrogen-bond-dynamics-based switching of conductivity and magnetism: a phase transition caused by deuterium and electron transfer in a hydrogen-bonded purely organic conductor crystal. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12184-92	16.4	96
320	Exciton diffusion in air-suspended single-walled carbon nanotubes. <i>Physical Review Letters</i> , 2010 , 104, 247402	7.4	84
319	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
318	Study of the e(g) orbitals in the bilayer manganite La(2-2x)Sr(1+2x)Mn(2)O(7) by using magnetic Compton-profile measurement. <i>Physical Review Letters</i> , 2001 , 86, 5589-92	7.4	74
317	Quantitative determination of the atomic scattering tensor in orbitally ordered YTiO ₃ by using a resonant x-ray scattering technique. <i>Physical Review B</i> , 2002 , 66,	3.3	72
316	X-Ray anomalous scattering study of a charge-ordered state in NaV ₂ O ₅ . <i>Physical Review Letters</i> , 2000 , 85, 4349-52	7.4	69
315	Magnetism of C ₆₀ induced by photo-assisted oxidation. <i>Pure and Applied Chemistry</i> , 1996 , 68, 1463-1467	2.1	67
314	Momentum dependence of charge excitations in the electron-doped superconductor Nd _{1.85} Ce _{0.15} CuO ₄ : a resonant inelastic x-ray scattering study. <i>Physical Review Letters</i> , 2005 , 94, 207003	7.4	65

3 ¹³	Origin of the large polarization in multiferroic YMnO ₃ thin films revealed by soft- and hard-X-ray diffraction. <i>Physical Review Letters</i> , 2012 , 108, 047203	7.4	62
3 ¹²	Buffer-gas cooling of antiprotonic helium to 1.5 to 1.7 K, and antiproton-to-electron mass ratio. <i>Science</i> , 2016 , 354, 610-614	33.3	61
3 ¹¹	Novel orbital ordering induced by anisotropic stress in a manganite thin film. <i>Physical Review Letters</i> , 2006 , 96, 017202	7.4	60
3 ¹⁰	Structural and electronic properties of Li- and Cu-doped beta -rhombohedral boron constructed from icosahedral and truncated icosahedral clusters. <i>Physical Review B</i> , 1995 , 52, 6102-6110	3.3	60
3 ⁰⁹	Simultaneous Active and Reactive Power Control of Superconducting Magnet Energy Storage Using GTO Converter. <i>IEEE Transactions on Power Delivery</i> , 1986 , 1, 143-150	4.3	59
3 ⁰⁸	Charge-cluster glass in an organic conductor. <i>Nature Physics</i> , 2013 , 9, 419-422	16.2	58
3 ⁰⁷	Orbital excitations in LaMnO ₃ studied by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2003 , 67,	3.3	58
3 ⁰⁶	High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in YbInCu ₄ . <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 034702	1.5	56
3 ⁰⁵	Largest-extreme-value distribution analysis of multiple inclusion types in determining steel cleanliness. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2001 , 32, 517-523	2.5	56
3 ⁰⁴	Hydrogen ordering and new polymorph of layered perovskite oxyhydrides: SrV ₂ O(4-x)H(x). <i>Journal of the American Chemical Society</i> , 2014 , 136, 7221-4	16.4	55
3 ⁰³	"Devil's staircase"-type phase transition in NaV ₂ O ₅ under high pressure. <i>Physical Review Letters</i> , 2001 , 87, 086402	7.4	53
3 ⁰²	Polarization switching ability dependent on multidomain topology in a uniaxial organic ferroelectric. <i>Nano Letters</i> , 2014 , 14, 239-43	11.5	50
3 ⁰¹	Structural, magnetic and superconducting properties of graphite nanotubes and their encapsulation compounds. <i>Journal of Physics and Chemistry of Solids</i> , 1993 , 54, 1861-1870	3.9	50
3 ⁰⁰	Spin-orbital superstructure in strained ferrimagnetic perovskite cobalt oxide. <i>Physical Review Letters</i> , 2013 , 111, 027206	7.4	49
2 ⁹⁹	Synchrotron radiation X-ray powder diffractometer with a cylindrical imaging plate. <i>Journal of Applied Crystallography</i> , 2000 , 33, 1241-1245	3.8	48
2 ⁹⁸	Symmetry Lowering in LaOBiS ₂ : A Mother Material for BiS ₂ -Based Layered Superconductors. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 123703	1.5	44
2 ⁹⁷	Multiple helimagnetic phases and topological Hall effect in epitaxial thin films of pristine and Co-doped SrFeO ₃ . <i>Physical Review B</i> , 2013 , 88,	3.3	42
2 ⁹⁶	Role of p _z Hybridization in the Metal-Nonmetal Transition of PrRu ₄ P ₁₂ . <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 1930-1933	1.5	42

295	Application of a portable pulsed magnet to synchrotron radiation experiments. <i>Physica B: Condensed Matter</i> , 2004 , 346-347, 519-523	2.8	41
294	Symmetry breaking in the metal-insulator transition of BaVS ₃ . <i>Physical Review B</i> , 2002 , 66,	3.3	41
293	Peierls mechanism of the metal-insulator transition in ferromagnetic hollandite K ₂ Cr ₈ O ₁₆ . <i>Physical Review Letters</i> , 2011 , 107, 266402	7.4	40
292	High Field X-ray Diffraction Study on a Magnetic-Field-Induced Valence Transition in YbInCu ₄ . <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 024710	1.5	40
291	Ordering process in CoCl ₂ -Graphite intercalation compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 31-34, 1171-1172	2.8	40
290	Mott gap excitations in twin-free YBa ₂ Cu ₃ O _{7-δ} (T _c =93 K) studied by resonant inelastic x-ray scattering. <i>Physical Review Letters</i> , 2005 , 94, 187002	7.4	39
289	Effects of hydrogen charge on microscopic fatigue behaviour of annealed carbon steels. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2006 , 29, 1066-1074	3	38
288	Charge-order driven proton arrangement in a hydrogen-bonded charge-transfer complex based on a pyridyl-substituted TTF derivative. <i>Chemical Communications</i> , 2012 , 48, 8673-5	5.8	37
287	Electron doping in the cubic perovskite SrMnO ₃ : Isotropic metal versus chainlike ordering of Jahn-Teller polarons. <i>Physical Review B</i> , 2010 , 82,	3.3	37
286	Structural aspects of C82 and C76 crystals studied by x-ray diffraction. <i>Physical Review B</i> , 1995 , 51, 8723-8730	3.3	36
285	Low-Temperature Structure of the Quarter-Filled Ladder Compound $\frac{1}{4}\text{NaV}_2\text{O}_5$. <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 385-388	1.5	35
284	Quadrupolar Frustration in Shastry-Butherland Lattice of DyB ₄ Studied by Resonant X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 2434-2437	1.5	34
283	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
282	Orbital Ordering of Intermediate-Spin State of Co ³⁺ in Sr ₃ YCo ₄ O _{10.5} . <i>Journal of the Physical Society of Japan</i> , 2011 , 80, 023711	1.5	32
281	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
280	Modulation of a Molecular Electron System in a Purely Organic Conductor that Shows Hydrogen-Bond-Dynamics-Based Switching of Conductivity and Magnetism. <i>Chemistry - A European Journal</i> , 2015 , 21, 15020-8	4.8	30
279	A NEW METHOD FOR THE MEASUREMENT OF MODE II FATIGUE THRESHOLD STRESS INTENSITY FACTOR RANGE K_{II} . <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 1997 , 20, 863-870	3	30
278	Orbital Ordering Structures in (Nd,Pr) _{0.5} Sr _{0.5} MnO ₃ Manganite Thin Films on Perovskite (011) Substrates. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 014712	1.5	30

277	Orbital and Charge Ordering in LaSr ₂ Mn ₂ O ₇ Observed by Resonant X-Ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 2731-2734	1.5	30
276	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
275	Orbital correlations in doped manganites. <i>Applied Physics A: Materials Science and Processing</i> , 2001 , 73, 723-730	2.6	28
274	Crystallographic, thermal and magnetic properties of CoCl ₂ -graphite intercalation compound Γ_3 quasi-two-dimensional system of finite size clusters. <i>Synthetic Metals</i> , 1985 , 12, 427-432	3.6	28
273	X-ray-induced phase transitions by selective excitation of heterometal ions in a cyanide-bridged Fe-Co molecular square. <i>Chemical Communications</i> , 2014 , 50, 4050-2	5.8	27
272	Controlled Carrier Generation at a Polarity-Discontinued Perovskite Heterointerface. <i>Japanese Journal of Applied Physics</i> , 2004 , 43, L1032-L1034	1.4	27
271	Charge-order pattern of the low-temperature phase from a monoclinic single domain of NaV ₂ O ₅ uniquely determined by resonant x-ray scattering. <i>Physical Review Letters</i> , 2005 , 94, 106401	7.4	26
270	Resonant x-ray-scattering study of octahedral tilt ordering in LaMnO ₃ and Pr _{1-x} Ca _x MnO ₃ . <i>Physical Review B</i> , 2001 , 64,	3.3	26
269	Multiferroicity in NiBr ₂ with long-wavelength cycloidal spin structure on a triangular lattice. <i>Physical Review B</i> , 2011 , 84,	3.3	25
268	X-Ray Polarization Anomaly of Forbidden Reflections of Iron Pyrite, FeS ₂ , near the Fe K-Absorption Edge. <i>Journal of the Physical Society of Japan</i> , 1996 , 65, 3060-3067	1.5	25
267	Non-Collinear Magnetic Structure of TbB ₄ . <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 015001	1.5	25
266	Structural- and electronic-property investigations on metal-doped Γ -rhombohedral boron. <i>Journal of Physics and Chemistry of Solids</i> , 1996 , 57, 1167-1174	3.9	25
265	Magnetic phase transitions in NiCl ₂ -graphite intercalation compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1983 , 31-34, 1173-1174	2.8	25
264	Crystallization and vitrification of electrons in a glass-forming charge liquid. <i>Science</i> , 2017 , 357, 1381-1385	5.3	24
263	High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in EuNi ₂ (Si _{1-x} Gex) ₂ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 054713	1.5	24
262	Structural properties and phase transition of hole-orbital-ordered (C ₂ H ₅ NH ₃) ₂ CuCl ₄ studied by resonant and non-resonant x-ray scatterings under high pressure. <i>Physical Review B</i> , 2005 , 72,	3.3	24
261	Evolution of magnetic and structural transitions and enhancement of magnetocaloric effect in Fe _{1-x} MnxV ₂ O ₄ . <i>Physical Review B</i> , 2014 , 89,	3.3	23
260	Motion of the guest ion as precursor to the first-order phase transition in the cage system GdB ₆ . <i>Physical Review B</i> , 2011 , 84,	3.3	23

259	Polarization-analyzed resonant inelastic x-ray scattering of the orbital excitations in KCuF ₃ . <i>Physical Review B</i> , 2011 , 83,	3.3	23
258	Charge-ordered domain structure in YbFe ₂ O ₄ observed by energy-filtered transmission electron microscopy. <i>Physical Review B</i> , 2007 , 76,	3.3	23
257	Magnetic and melting transitions of oxygen monolayers and multilayers physisorped on exfoliated graphite. <i>Physical Review B</i> , 1996 , 54, 4146-4154	3.3	23
256	Pressure effect on iron-based superconductor LaFeAsOH: Peculiar response of 1111-type structure. <i>Scientific Reports</i> , 2016 , 6, 39646	4.9	23
255	Structure-property relationship of supramolecular ferroelectric [H-66dmbp][Hca] accompanied by high polarization, competing structural phases, and polymorphs. <i>Chemistry - A European Journal</i> , 2014 , 20, 17515-22	4.8	22
254	Emergence of nonequilibrium charge dynamics in a charge-cluster glass. <i>Physical Review B</i> , 2014 , 89,	3.3	22
253	Orbital ordering near a Mott transition: Resonant x-ray scattering study of the perovskite Ti oxides RTiO ₃ and LaTiO _{3.02} (R=Gd, Sm, Nd, and La). <i>Physical Review B</i> , 2004 , 70,	3.3	22
252	Development of Superstructure in Potassium-Loaded Zeolite LTA, Kx-K ₁₂ Si ₁₂ Al ₁₂ O ₄₈ . <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 2902-2905	1.5	22
251	Orbital and Charge Ordering in La _{1-x} Sr _{1+x} MnO ₄ (0.4≤x≤0.5). <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 1194-1197	1.5	21
250	Structural and Thermal Properties in Formamidinium and Cs-Mixed Lead Halides. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 6967-6972	6.4	20
249	An inelastic X-ray scattering spectrometer for materials science on BL11XU at SPring-8. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2001 , 467-468, 1081-1083	1.2	20
248	Magnetic Structure of EMnO ₂ : X-ray Magnetic Scattering Study. <i>Journal of the Physical Society of Japan</i> , 2001 , 70, 37-40	1.5	20
247	Supramolecular effects and molecular discrimination by macrocyclic hosts embedded in synthetic bilayer membranes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1993 , 90, 1140-5	11.5	20
246	Chiral crystal-structure transformation of R ₃ Co ₄ Sn ₁₃ (R=La and Ce). <i>Physical Review B</i> , 2016 , 94,	3.3	19
245	Solid-solid phase interconversion in an organic conductor crystal: hydrogen-bond-mediated dynamic changes in stacked molecular arrangement and physical properties. <i>Chemical Communications</i> , 2014 , 50, 15557-60	5.8	19
244	Investigation of the light-induced electron-transfer-coupled spin transition in a cyanide-bridged [Co ₂ Fe ₂] complex by X-ray diffraction and absorption measurements. <i>Inorganic Chemistry Frontiers</i> , 2014 , 1, 540-543	6.8	19
243	Systematic Variations in the Charge-Glass-Forming Ability of Geometrically Frustrated [BEDT-TTF] ₂ X Organic Conductors. <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 083602	1.5	19
242	Resonant X-ray Scattering Experiments on the Ordering of Electronic Degrees of Freedom. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 021007	1.5	19

- 241 Strain-sensitive spin-state ordering in thin films of perovskite LaCoO₃. *Physical Review B*, **2015**, 92, 3-3 19
- 240 Momentum-dependent charge excitations of a two-leg ladder: Resonant inelastic x-ray scattering of (La,Sr,Ca)₁₄Cu₂₄O₄₁. *Physical Review B*, **2007**, 76, 3-3 19
- 239 Ferro-type orbital state in the Mott transition system Ca_{2-x}Sr_xRuO₄ studied by the resonant x-ray scattering interference technique. *Physical Review Letters*, **2005**, 95, 026401 7-4 19
- 238 Analysis of Vickers Hardness by the Finite Element Method. *Journal of Applied Mechanics, Transactions ASME*, **1994**, 61, 822-828 2-7 19
- 237 A method for the formulation and solution of circuits composed of switches and linear RLC elements. *IEEE Transactions on Circuits and Systems*, **1987**, 34, 496-509 19
- 236 Observation of Structural Change in the Novel Ferromagnetic Metal/Insulator Transition of K₂Cr₈O₁₆. *Journal of the Physical Society of Japan*, **2012**, 81, 054710 1-5 18
- 235 Orbital states of V trimers in BaV₁₀O₁₅ detected by resonant x-ray scattering. *Physical Review B*, **2012**, 86, 3-3 18
- 234 Crystal Structure and Valence Distribution of [(LaMnO₃)_m(SrMnO₃)_m]_n Artificial Superlattices. *Journal of the Physical Society of Japan*, **2009**, 78, 024602 1-5 18
- 233 Competition of Magnetic and Quadrupolar Order Parameters in HoB₄. *Journal of the Physical Society of Japan*, **2008**, 77, 044709 1-5 18
- 232 Crystal Structure and Charge-Ordering in La_{1.5}Ca_{0.5}CoO₄ Studied by Neutron and Resonant X-ray Scattering. *Journal of the Physical Society of Japan*, **2008**, 77, 044601 1-5 18
- 231 Sm-Bb Bond Length in Mixed-Valence System of SmOs₄Sb₁₂. *Journal of the Physical Society of Japan*, **2008**, 77, 073601 1-5 18
- 230 Growth of single-walled carbon nanotubes from size-selected catalytic metal particles. *Applied Physics A: Materials Science and Processing*, **2004**, 79, 787-790 2-6 18
- 229 Cluster-Based Haldane State in an Edge-Shared Tetrahedral Spin-Cluster Chain: Fedotovite K₂Cu₃O(SO₄)₃. *Physical Review Letters*, **2018**, 120, 077201 7-4 17
- 228 Observation of ordered orbital of YTiO₃ by the X-ray magnetic diffraction experiments. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 1993-1997 3-9 17
- 227 Resonant inelastic x-ray scattering study of the hole-doped manganites La_{1-x}Sr_xMnO₃ (x=0.2, 0.4). *Physical Review B*, **2004**, 70, 3-3 17
- 226 Successive Transitions in CoCl₂-Graphite Intercalation Compound and the Stage Dependence. *Journal of the Physical Society of Japan*, **1988**, 57, 1056-1062 1-5 17
- 225 Field-Induced Antipolar-Polar Structural Transformation and Giant Electrostriction in Organic Crystal. *Journal of the American Chemical Society*, **2018**, 140, 3842-3845 16.4 16
- 224 Protonation of pyridyl-substituted TTF derivatives: substituent effects in solution and in the proton-electron correlated charge-transfer complexes. *Chemistry - A European Journal*, **2014**, 20, 1909-1917^{4.8} 16

223	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
222	Anisotropic thermoelectric properties associated with dimensional crossover in quasi-one-dimensional SrNbO _{3.4+d} (d~0.03). <i>Physical Review B</i> , 2011 , 84,	3.3	16
221	Orbital ordering in RVO ₃ (R=Y,Tb) controlled by hydrostatic pressure. <i>Physical Review B</i> , 2008 , 78,	3.3	16
220	Novel Size Effect of LaMnO ₃ Nanocrystals Embedded in SBA-15 Mesoporous Silica. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 113704	1.5	16
219	Solvent-induced on/off switching of intramolecular electron transfer in a cyanide-bridged trigonal bipyramidal complex. <i>Dalton Transactions</i> , 2016 , 45, 17104-17107	4.3	15
218	Semimetallic bands derived from interlayer electrons in the quasi-two-dimensional electride Y ₂ C. <i>Physical Review B</i> , 2017 , 96,	3.3	15
217	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
216	Resonant Magnetic X-ray Diffraction Study on Successive Metamagnetic Transitions in TbB ₄ . <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 033707	1.5	15
215	X-ray anomalous scattering of diluted magnetic oxide semiconductors: Possible evidence of lattice deformation for high temperature ferromagnetism. <i>Physical Review B</i> , 2007 , 76,	3.3	15
214	Pressure effects on an organic radical ferromagnet: 2,5-difluorophenyl- π -trityl nitroxide. <i>Physical Review B</i> , 2003 , 67,	3.3	15
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212	Detection of a ¹⁰ B helium peak in a deuterium atmosphere using a modified high-resolution quadrupole mass spectrometer. <i>Review of Scientific Instruments</i> , 1994 , 65, 1912-1917	1.7	15
211	X-Ray Study of Glassy Behavior in C ₆₀ Single Crystals. <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 1237-1240	1.5	15
210	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
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