

youichi Murakami

List of Publications by Year in descending order

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papers

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368
docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Ferroelectricity from iron valence ordering in the charge-frustrated system LuFe ₂ O ₄ . Nature, 2005, 436, 1136-1138.	13.7	897
2	Giant Rashba-type spin splitting in bulk BiTeI. Nature Materials, 2011, 10, 521-526.	13.3	711
3	Resonant X-Ray Scattering from Orbital Ordering in LaMnO ₃ . Physical Review Letters, 1998, 81, 582-585.	2.9	584
4	Direct Observation of Charge and Orbital Ordering in La _{0.5} Sr _{1.5} MnO ₄ . Physical Review Letters, 1998, 80, 1932-1935.	2.9	542
5	Three-way switching in a cyanide-bridged [CoFe] chain. Nature Chemistry, 2012, 4, 921-926.	6.6	288
6	Transition between Two Ferromagnetic States Driven by Orbital Ordering in La _{0.88} Sr _{0.12} MnO ₃ . Physical Review Letters, 1999, 82, 4328-4331.	2.9	257
7	On the mechanism of fatigue failure in the superlong life regime (N > 10 ⁷ cycles). Part 1: influence of hydrogen trapped by inclusions. Fatigue and Fracture of Engineering Materials and Structures, 2000, 23, 893-902.	1.7	248
8	Controlled Intramolecular Electron Transfers in Cyanide-Bridged Molecular Squares by Chemical Modifications and External Stimuli. Journal of the American Chemical Society, 2011, 133, 3592-3600.	6.6	215
9	Interplay between Charge, Orbital, and Magnetic Order in Pr _{1-x} Ca _x MnO ₃ . Physical Review Letters, 1999, 83, 4872-4875.	2.9	200
10	Above-room-temperature ferroelectricity and antiferroelectricity in benzimidazoles. Nature Communications, 2012, 3, 1308.	5.8	199
11	Electronic Ferroelectricity in a Molecular Crystal with Large Polarization Directing Antiparallel to Ionic Displacement. Physical Review Letters, 2012, 108, 237601.	2.9	189
12	Programmable spin-state switching in a mixed-valence spin-crossover iron grid. Nature Communications, 2014, 5, 3865.	5.8	178
13	Quantum Hall effect in a bulk antiferromagnet EuMnBi ₂ with magnetically confined two-dimensional Dirac fermions. Science Advances, 2016, 2, e1501117.	4.7	171
14	STATISTICAL ANALYSIS OF DEFECTS FOR FATIGUE STRENGTH PREDICTION AND QUALITY CONTROL OF MATERIALS. Fatigue and Fracture of Engineering Materials and Structures, 1998, 21, 1049-1065.	1.7	160
15	Resistivity of single crystal C ₆₀ and effect of oxygen. Solid State Communications, 1992, 84, 827-829.	0.9	159
16	Title is missing!. Extremes, 1999, 2, 123-147.	0.5	157
17	Direct Observation of Antiferroquadrupolar Ordering: Resonant X-Ray Scattering Study of DyB ₂ C ₂ . Physical Review Letters, 2000, 84, 2706-2709.	2.9	156
18	Terahertz radiation from superconducting YBa ₂ Cu ₃ O _{7-δ} thin films excited by femtosecond optical pulses. Applied Physics Letters, 1996, 69, 2122-2124.	1.5	145

#	ARTICLE	IF	CITATIONS
19	Displacement-Type Ferroelectricity with Off-Center Magnetic Ions in Perovskite $\text{Sr}_{1-x}\text{Ba}_x\text{TiO}_3$. Physical Review Letters, 2011, 107, 137601.	2.9	142
20	Hydrogen bond-promoted metallic state in a purely organic single-component conductor under pressure. Nature Communications, 2013, 4, 1344.	5.8	139
21	Magnetic-field-induced transition in the lattice modulation of colossal magnetoelectric GdMnO_3 and TbMnO_3 compounds. Physical Review B, 2005, 72, .	1.1	127
22	On the mechanism of fatigue failure in the superlong life regime ($N > 10^7$ cycles). Part II: influence of hydrogen trapped by inclusions. Fatigue and Fracture of Engineering Materials and Structures, 2000, 23, 903-910.	1.7	126
23	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. Journal of the American Chemical Society, 2014, 136, 12184-12192.	6.6	119
24	Bipartite magnetic parent phases in the iron oxypnictide superconductor. Nature Physics, 2014, 10, 300-303.	6.5	115
25	Antiferro-Quadrupole Ordering of CeB_6 Studied by Resonant X-Ray Scattering. Journal of the Physical Society of Japan, 2001, 70, 1857-1860.	0.7	109
26	Synchrotron x-ray-diffraction study of orbital ordering in YVO_3 . Physical Review B, 2000, 62, R9271-R9274.	1.1	105
27	X-ray resonant scattering studies of orbital and charge ordering in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$. Physical Review B, 2001, 64, .	1.1	103
28	Structure characterization and magnetic properties of oxide superlattices $\text{La}_{0.6}\text{Sr}_{0.4}\text{MnO}_3/\text{La}_{0.6}\text{Sr}_{0.4}\text{FeO}_3$. Physical Review B, 1999, 60, 1211-1215.	1.1	100
29	Exciton Diffusion in Air-Suspended Single-Walled Carbon Nanotubes. Physical Review Letters, 2010, 104, 247402.	2.9	94
30	Polarization-dependent resonant-x-ray diffraction in charge- and orbital-ordering phase of $\text{Nd}_{1/2}\text{Sr}_{1/2}\text{MnO}_3$. Physical Review B, 1999, 60, 2425-2428.	1.1	85
31	Buffer-gas cooling of antiprotonic helium to 1.5 to 1.7 K, and antiproton-to-electron mass ratio. Science, 2016, 354, 610-614.	6.0	85
32	Charge-cluster glass in an organic conductor. Nature Physics, 2013, 9, 419-422.	6.5	81
33	Simultaneous Active and Reactive Power Control of Superconducting Magnet Energy Storage Using GTO Converter. IEEE Transactions on Power Delivery, 1986, 1, 143-150.	2.9	79
34	Magnetism of C_{60} induced by photo-assisted oxidation. Pure and Applied Chemistry, 1996, 68, 1463-1467.	0.9	78
35	Study of the d Orbitals in the Bilayer Manganite $\text{La}_{2-x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ by Using Magnetic Compton-Profile Measurement. Physical Review Letters, 2001, 86, 5589-5592.	2.9	75
36	Quantitative determination of the atomic scattering tensor in orbitally ordered YTiO_3 by using a resonant x-ray scattering technique. Physical Review B, 2002, 66, .	1.1	75

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37	X-Ray Anomalous Scattering Study of a Charge-Ordered State in NaV ₂ O ₅ . Physical Review Letters, 2000, 85, 4349-4352.	2.9	73
38	Structural and electronic properties of Li- and Cu-doped $\hat{\Gamma}^2$ -rhombohedral boron constructed from icosahedral and truncated icosahedral clusters. Physical Review B, 1995, 52, 6102-6110.	1.1	71
39	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. Physical Review Letters, 2005, 94, 207003.	2.9	71
40	Largest-extreme-value distribution analysis of multiple inclusion types in determining steel cleanliness. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2001, 32, 517-523.	1.0	70
41	Origin of the Large Polarization in Multiferroic YMnO_3 Thin Films Revealed by Soft- and Hard-X-Ray Diffraction. Physical Review Letters, 2012, 108, 047203.	2.9	69
42	Novel Orbital Ordering Induced by Anisotropic Stress in a Manganite Thin Film. Physical Review Letters, 2006, 96, 017202.	2.9	65
43	Hydrogen Ordering and New Polymorph of Layered Perovskite Oxyhydrides: Sr ₂ VO ₄ H ₂ . Journal of the American Chemical Society, 2014, 136, 7221-7224.	6.6	63
44	High-Magnetic-Field X-ray Absorption Spectroscopy of Field-Induced Valence Transition in YbInCu ₄ . Journal of the Physical Society of Japan, 2007, 76, 034702.	0.7	61
45	Orbital excitations in LaMnO ₃ studied by resonant inelastic x-ray scattering. Physical Review B, 2003, 67, .	1.1	60
46	Structural, magnetic and superconducting properties of graphite nanotubes and their encapsulation compounds. Journal of Physics and Chemistry of Solids, 1993, 54, 1861-1870.	1.9	57
47	e^- Deviation's Staircase-Type Phase Transition in NaV ₂ O ₅ under High Pressure. Physical Review Letters, 2001, 87, 086402.	2.9	57
48	Spin-Orbital Superstructure in Strained Ferrimagnetic Perovskite Cobalt Oxide. Physical Review Letters, 2013, 111, 027206.	2.9	57
49	Synchrotron radiation X-ray powder diffractometer with a cylindrical imaging plate. Journal of Applied Crystallography, 2000, 33, 1241-1245.	1.9	55
50	Peierls Mechanism of the Metal-Insulator Transition in Ferromagnetic Hollandite $\text{K}_2\text{Cr}_8\text{O}_{16}$. Physical Review Letters, 2011, 107, 266402.	2.9	53
51	Polarization Switching Ability Dependent on Multidomain Topology in a Uniaxial Organic Ferroelectric. Nano Letters, 2014, 14, 239-243.	4.5	53
52	Symmetry Lowering in LaOBiS ₂ : A Mother Material for BiS ₂ -Based Layered Superconductors. Journal of the Physical Society of Japan, 2015, 84, 123703.	0.7	53
53	Multiple helimagnetic phases and topological Hall effect in epitaxial thin films of pristine and Co-doped SrFeO ₃ . Physical Review B, 2013, 88, .	1.1	52
54	Symmetry breaking in the metal-insulator transition of BaVS ₃ . Physical Review B, 2002, 66, .	1.1	47

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55	Application of a portable pulsed magnet to synchrotron radiation experiments. <i>Physica B: Condensed Matter</i> , 2004, 346-347, 519-523.	1.3	44
56	Role of f Hybridization in the Metal-Nonmetal Transition of PrRu ₄ P ₁₂ . <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1930-1933.	0.7	43
57	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.	1.7	43
58	Electron doping in the cubic perovskite SrMnO_3 Isotropic metal versus chainlike ordering of Jahn-Teller polarons. <i>Physical Review B</i> , 2010, 82, .	1.3	43
59	Ordering process in CoCl ₂ -Graphite intercalation compound. <i>Journal of Magnetism and Magnetic Materials</i> , 1983, 31-34, 1171-1172.	1.0	41
60	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.	0.7	41
61	Structural aspects of C ₈₂ and C ₇₆ crystals studied by x-ray diffraction. <i>Physical Review B</i> , 1995, 51, 8723-8730.	1.1	40
62	Low-Temperature Structure of the Quarter-Filled Ladder Compound $\hat{\mu}^1\text{-NaV}_2\text{O}_5$. <i>Journal of the Physical Society of Japan</i> , 2002, 71, 385-388.	0.7	40
63	Mott Gap Excitations in Twin-Free YBa ₂ Cu ₃ O _{7-δ} ($T_c=93\text{\AA}\%$) Studied by Resonant Inelastic X-Ray Scattering. <i>Physical Review Letters</i> , 2005, 94, 187002.	2.9	40
64	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.	2.2	40
65	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.	0.7	39
66	A NEW METHOD FOR THE MEASUREMENT OF MODE II FATIGUE THRESHOLD STRESS INTENSITY FACTOR RANGE $K_{I,th}$. <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 1997, 20, 863-870.	1.7	38
67	Quadrupolar Frustration in Shastry-Sutherland Lattice of DyB ₄ Studied by Resonant X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2434-2437.	0.7	38
68	Multiferroicity in NiBr ₂ with long-wavelength cycloidal spin structure on a triangular lattice. <i>Physical Review B</i> , 2011, 84, .	1.1	38
69	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.	0.7	37
70	Crystallization and vitrification of electrons in a glass-forming charge liquid. <i>Science</i> , 2017, 357, 1381-1385.	6.0	37
71	Observation of the antiferroquadrupolar order in DyB ₂ C ₂ by resonant x-ray scattering. <i>Physical Review B</i> , 2002, 65, .	1.1	36
72	Structural- and electronic-property investigations on metal-doped $\hat{\mu}^2$ -rhombohedral boron. <i>Journal of Physics and Chemistry of Solids</i> , 1996, 57, 1167-1174.	1.9	34

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73	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, .	1.1	33
74	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.	0.7	32
75	Commensurate-Incommensurate Crossover of Charge Stripe in La _{2-x} Sr _x NiO ₄ (x ^{1/4} 1/3). <i>Physical Review Letters</i> , 2004, 92, 196404.	2.9	32
76	Modulation of a Molecular π - π 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, 15020-15028.	1.7	32
77	Orbital correlations in doped manganites. <i>Applied Physics A: Materials Science and Processing</i> , 2001, 73, 723-730.	1.1	31
78	X-ray-induced phase transitions by selective excitation of heterometal ions in a cyanide-bridged Fe ²⁺ -Co molecular square. <i>Chemical Communications</i> , 2014, 50, 4050-4052.	2.2	31
79	Structural and Thermal Properties in Formamidinium and Cs-Mixed Lead Halides. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6967-6972.	2.1	31
80	Crystallographic, thermal and magnetic properties of CoCl ₂ -graphite intercalation compound α' a quasi-two-dimensional system of finite size clusters. <i>Synthetic Metals</i> , 1985, 12, 427-432.	2.1	30
81	Controlled Carrier Generation at a Polarity-Discontinued Perovskite Heterointerface. <i>Japanese Journal of Applied Physics</i> , 2004, 43, L1032-L1034.	0.8	30
82	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.	0.7	30
83	Pressure effect on iron-based superconductor LaFeAsO _{1-x} H _x : Peculiar response of 1111-type structure. <i>Scientific Reports</i> , 2016, 6, 39646.	1.6	30
84	A method for the formulation and solution of circuits composed of switches and linear RLC elements. <i>IEEE Transactions on Circuits and Systems</i> , 1987, 34, 496-509.	0.9	29
85	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, .	1.1	29
86	Non-Collinear Magnetic Structure of TbB ₄ . <i>Journal of the Physical Society of Japan</i> , 2007, 76, 015001.	0.7	29
87	Emergence of nonequilibrium charge dynamics in a charge-cluster glass. <i>Physical Review B</i> , 2014, 89, .	1.1	29
88	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, .	1.1	28
89	Evolution of magnetic and structural transitions and enhancement of magnetocaloric effect in $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{math} \rangle$. <i>Physical Review B</i> ,	1.1	28
90	Chiral crystal-structure transformation of $\langle \text{math} \rangle$ $\langle \text{math} \rangle$ $\langle \text{math} \rangle$. <i>Physical Review B</i> , 2016, 94, .	1.1	28

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91	Systematic Variations in the Charge-Glass-Forming Ability of Geometrically Frustrated $\text{I}_3\text{-(BEDT-TTF)}_2$ Organic Conductors. Journal of the Physical Society of Japan, 2014, 83, 083602.	0.7	27
92	Magnetic Structure of MnO_2 : X-ray Magnetic Scattering Study. Journal of the Physical Society of Japan, 2001, 70, 37-40.	0.7	26
93	Resonant x-ray-scattering study of octahedral tilt ordering in LaMnO_3 and $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$. Physical Review B, 2001, 64, .	1.1	26
94	Charge-Order Pattern of the Low-Temperature Phase from a Monoclinic Single Domain of NaV_2O_5 Uniquely Determined by Resonant X-Ray Scattering. Physical Review Letters, 2005, 94, 106401.	2.9	26
95	Investigation of the light-induced electron-transfer-coupled spin transition in a cyanide-bridged $[\text{Co}_2\text{Fe}_2]$ complex by X-ray diffraction and absorption measurements. Cluster-Based Haldane State in 1D Edge-Shared Tetrahedral Spin-Cluster Chain: Fedotovite	3.0	26
96	Cluster-Based Haldane State in 1D Edge-Shared Tetrahedral Spin-Cluster Chain: Fedotovite		

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109	Observation of Structural Change in the Novel Ferromagnetic Metal-Insulator Transition of $K_2Cr_8O_{16}$. Journal of the Physical Society of Japan, 2012, 81, 054710.	0.7	23
110	Orbital ordering near a Mott transition: Resonant x-ray scattering study of the perovskite Ti oxides $RTiO_3$ and $LaTiO_3$. (R=Gd, Sm, Nd, and La). Physical Review B, 2004, 70, .	1.1	22
111	Resonant X-ray Scattering Experiments on the Ordering of Electronic Degrees of Freedom. Journal of the Physical Society of Japan, 2013, 82, 021007.	0.7	22
112	Possible Tomonaga-Luttinger spin liquid state in the spin-1/2 inequilateral diamond-chain compound $K_3Cu_3AlO_2(SO_4)_4$. Scientific Reports, 2017, 7, 16785.	1.6	22
113	Field-Induced Antipolar Polar Structural Transformation and Giant Electrostriction in Organic Crystal. Journal of the American Chemical Society, 2018, 140, 3842-3845.	6.6	22
114	Analysis of Vickers Hardness by the Finite Element Method. Journal of Applied Mechanics, Transactions ASME, 1994, 61, 822-828.	1.1	21
115	Competition of Magnetic and Quadrupolar Order Parameters in HoB_4 . Journal of the Physical Society of Japan, 2008, 77, 044709.	0.7	21
116	Orbital states of V trimers in $BaV_{10}O_{15}$ detected by resonant x-ray scattering. Physical Review B, 2012, 86,	1.1	21
117	Solid-solid phase interconversion in an organic conductor crystal: hydrogen-bond-mediated dynamic changes in π -stacked molecular arrangement and physical properties. Chemical Communications, 2014, 50, 15557-15560.	2.2	21
118	Supramolecular effects and molecular discrimination by macrocyclic hosts embedded in synthetic bilayer membranes.. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 1140-1145.	3.3	20
119	An inelastic X-ray scattering spectrometer for materials science on BL11XU at SPring-8. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 467-468, 1081-1083.	0.7	20
120	Observation of ordered orbital of $YTiO_3$ by the X-ray magnetic diffraction experiments. Journal of Physics and Chemistry of Solids, 2004, 65, 1993-1997.	1.9	20
121	Ferro-Type Orbital State in the Mott Transition System Ca_2SrRuO_4 Studied by the Resonant X-Ray Scattering Interference Technique. Physical Review Letters, 2005, 95, 026401.	2.9	20
122	Momentum-dependent charge excitations of a two-leg ladder: Resonant inelastic x-ray scattering of $(La,Sr,Ca)_{14}Cu_{24}O_{41}$. Physical Review B, 2007, 76, .	1.1	20
123	Crystal Structure and Charge-Ordering in $La_{1.5}Ca_{0.5}CoO_4$ Studied by Neutron and Resonant X-ray Scattering. Journal of the Physical Society of Japan, 2008, 77, 044601.	0.7	20
124	Successive Transitions in $CoCl_2$ -Graphite Intercalation Compound and the Stage Dependence. Journal of the Physical Society of Japan, 1988, 57, 1056-1062.	0.7	18
125	Control of a superconducting coil by a MOSFET power converter operating at near liquid nitrogen temperature. IEEE Transactions on Magnetics, 1991, 27, 2020-2023.	1.2	18
126	Detection of a 10^{-4} helium peak in a deuterium atmosphere using a modified high-resolution quadrupole mass spectrometer. Review of Scientific Instruments, 1994, 65, 1912-1917.	0.6	18

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127	Resonant inelastic x-ray scattering study of the hole-doped manganites $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($x=0.2, 0.4$). Physical Review B, 2004, 70, .	1.1	18
128	X-ray anomalous scattering of diluted magnetic oxide semiconductors: Possible evidence of lattice deformation for high temperature ferromagnetism. Physical Review B, 2007, 76, .	1.1	18
129	Sm ²⁺ -Sb Bond Length in Mixed-Valence System of SmO_{12}Sb . Journal of the Physical Society of Japan, 2008, 77, 073601.	0.7	18
130	Crystal Structure and Valence Distribution of $[(\text{LaMnO}_3)_m(\text{SrMnO}_3)_n]_m$ Artificial Superlattices. Journal of the Physical Society of Japan, 2009, 78, 024602.	0.7	18
131	X-ray induced insulator-metal transition in a thin film of electron-doped VO ₂ . Physical Review B, 2011, 84, .	1.1	18
132	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.	1.7	18
133	Solvent-induced on/off switching of intramolecular electron transfer in a cyanide-bridged trigonal bipyramidal complex. Dalton Transactions, 2016, 45, 17104-17107.	1.6	18
134	Growth of antiperovskite oxide Ca_3SnO films by pulsed laser deposition. Journal of Crystal Growth, 2018, 500, 33-37.	0.7	18
135	Pressure effects on an organic radical ferromagnet: $\text{f}_2,5$ -difluorophenyl- $\hat{\text{t}}$ -nitronyl nitroxide. Physical Review B, 2003, 67, .	1.1	17
136	Resonant Magnetic X-ray Diffraction Study on Successive Metamagnetic Transitions in TbB_4 . Journal of the Physical Society of Japan, 2009, 78, 033707.	0.7	17
137	X-ray study of metal-insulator transitions induced by W doping and photoirradiation in VO ₂ . Physical Review B, 2015, 91, .	1.1	17
138	Observation of magnetic order in multiferroic SmMn_2O_5 studied by resonant x-ray magnetic scattering. Physical Review B, 2016, 93, .	1.1	17
139	Coupled multiferroic domain switching in the canted conical spin spiral system Mn_2GeO_4 . Nature Communications, 2017, 8, 15457.	5.8	17
140	Semimetallic bands derived from interlayer electrons in the quasi-two-dimensional electride Y_2C_2 . Physical Review B, 2017, 96, .	1.1	17
141	Novel Size Effect of LaMnO_3 - $\hat{\text{t}}$ Nanocrystals Embedded in SBA-15 Mesoporous Silica. Journal of the Physical Society of Japan, 2006, 75, 113704.	0.7	16
142	Anisotropic thermoelectric properties associated with dimensional crossover in quasi-one-dimensional SrNbO_3 . Physical Review B, 2011, 84, .	1.1	16
143	High-temperature thermoelectric properties of the double-perovskite ruthenium oxide $(\text{Sr}_{1-x}\text{La}_x)_2\text{ErRuO}_6$. Journal of Applied Physics, 2012, 112, 073714.	1.1	16
144	Magnetic and electronic states in $(\text{LaMnO}_3)_m(\text{SrMnO}_3)_n$ superlattice exhibiting a large negative magnetoresistance. Physical Review B, 2015, 92, .	1.1	16

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145	Carboxylic Acid Functionalized Spin-Crossover Iron(II) Grids for Tunable Switching and Hybrid Electrode Fabrication. <i>Inorganic Chemistry</i> , 2018, 57, 14013-14017.	1.9	16
146	Effect of Alkyl Chain Length on Charge Transport Property of Anthracene-Based Organic Semiconductors. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 989-998.	4.0	16
147	X-Ray Study of Glassy Behavior in C60Single Crystals. <i>Journal of the Physical Society of Japan</i> , 1994, 63, 1237-1240.	0.7	15
148	Crystal Structure of Endohedral Metallofullerene La@C ₈₂ . <i>Materials Research Society Symposia Proceedings</i> , 1994, 349, 213.	0.1	15
149	Coupling between Orbital and Lattice Degrees of Freedom in Y _{1-x} CaxTiO ₃ (0 < x ≤ 0.75): A Resonant X-ray Scattering Study. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 3259-3266.	0.7	15
150	Theory and experiment of orbital excitations in correlated oxides. <i>New Journal of Physics</i> , 2005, 7, 119-119. Effects of cation-size variance on spin and orbital orders in Eu	1.2	15
151	$\text{http://www.w3.org/1998/Math/MathML" display=" inline" } < \text{mml:mrow}$		

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163	Anion substitution in hydrogen-bonded organic conductors: the chemical pressure effect on hydrogen-bond-mediated phase transition. CrystEngComm, 2017, 19, 367-375.	1.3	14
164	Directional electric-field induced transformation from skyrmion lattice to distinct helices in multiferroic $\text{CuMn}_2\text{P}_2\text{S}_7$. Physical Review B, 2017, 95, .	1.1	14
165	Nonlinear Slow Fluctuation in Magnetic Ordering of $\text{CoCl}_2\text{-GIC}$ "Observation of a $1/f$ -Type Spectrum". Journal of the Physical Society of Japan, 1987, 56, 2233-2236.	0.7	13
166	Magnetic and structural phase transitions of physisorbed oxygen layers. Journal of Physics and Chemistry of Solids, 1998, 59, 467-485.	1.9	13
167	Structure and Raman scattering of $\text{Cs}_3\text{C}_6\text{O}$ under high pressure. Physical Review B, 2000, 62, 5366-5369.	1.1	13
168	Softening phonon and relaxation mode in the filled skutterudite $\text{PrT}_4\text{Sb}_{12}$ (T = Ru and Os). Journal of Physics: Conference Series, 2007, 92, 012122.	0.3	13
169	Electronic hybridization effect on f electron crystal field states of $\text{PrOs}_4\text{Sb}_{12}$. Physical Review B, 2009, 79, .	1.1	13
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