

Hironori Nakao

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206
papers

3,948
citations

31
h-index

55
g-index

218
ext. papers

4,719
ext. citations

3.5
avg, IF

4.85
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 206 | Skyrmion lattice with a giant topological Hall effect in a frustrated triangular-lattice magnet. <i>Science</i> , 2019 , 365, 914-918 | 33.3 | 194 |
| 205 | New Inorganic Spin-Peierls Compound NaV ₂ O ₅ Evidenced by X-Ray and Neutron Scattering. <i>Journal of the Physical Society of Japan</i> , 1997 , 66, 326-329 | 1.5 | 181 |
| 204 | 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 |
| 203 | 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 |
| 202 | Hydrogen bond-promoted metallic state in a purely organic single-component conductor under pressure. <i>Nature Communications</i> , 2013 , 4, 1344 | 17.4 | 118 |
| 201 | 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 |
| 200 | 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 |
| 199 | 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 |
| 198 | Synchrotron x-ray-diffraction study of orbital ordering in YVO ₃ . <i>Physical Review B</i> , 2000 , 62, R9271-R9274 | 4.3 | 100 |
| 197 | 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 |
| 196 | Skyrmion phase and competing magnetic orders on a breathing kagomé lattice. <i>Nature Communications</i> , 2019 , 10, 5831 | 17.4 | 92 |
| 195 | Nanometric square skyrmion lattice in a centrosymmetric tetragonal magnet. <i>Nature Nanotechnology</i> , 2020 , 15, 444-449 | 28.7 | 76 |
| 194 | Extraordinarily large perpendicular magnetic anisotropy in epitaxially strained cobalt-ferrite Co _x Fe _{3-x} O ₄ (001) (x = 0.75, 1.0) thin films. <i>Applied Physics Letters</i> , 2013 , 103, 162407 | 3.4 | 74 |
| 193 | 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 |
| 192 | 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 |
| 191 | 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 |
| 190 | Novel orbital ordering induced by anisotropic stress in a manganite thin film. <i>Physical Review Letters</i> , 2006 , 96, 017202 | 7.4 | 60 |

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| 189 | Orbital excitations in LaMnO ₃ studied by resonant inelastic x-ray scattering. <i>Physical Review B</i> , 2003 , 67, | 3.3 | 58 |
| 188 | "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 |
| 187 | Spin-orbital superstructure in strained ferrimagnetic perovskite cobalt oxide. <i>Physical Review Letters</i> , 2013 , 111, 027206 | 7.4 | 49 |
| 186 | Synchrotron radiation X-ray powder diffractometer with a cylindrical imaging plate. <i>Journal of Applied Crystallography</i> , 2000 , 33, 1241-1245 | 3.8 | 48 |
| 185 | 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 |
| 184 | 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 |
| 183 | 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 |
| 182 | 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 |
| 181 | Structure of Hydrated Sodium Ions and Water Molecules Adsorbed on the Mica/Water Interface. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 15959-15964 | 3.8 | 36 |
| 180 | Structural aspects of C82 and C76 crystals studied by x-ray diffraction. <i>Physical Review B</i> , 1995 , 51, 8723-8730 | 3.3 | 36 |
| 179 | Low-Temperature Structure of the Quarter-Filled Ladder Compound $\frac{1}{4}$ NaV ₂ O ₅ . <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 385-388 | 1.5 | 35 |
| 178 | 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 |
| 177 | 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 |
| 176 | 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 |
| 175 | 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 |
| 174 | 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 |
| 173 | Multiple charge density wave transitions in the antiferromagnets RNiC ₂ (R=Gd,Tb). <i>Physical Review B</i> , 2016 , 93, | 3.3 | 27 |
| 172 | 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 |

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| 171 | 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 |
| 170 | Resonant x-ray-scattering study of octahedral tilt ordering in LaMnO ₃ and Pr _{1-x} CaxMnO ₃ . <i>Physical Review B</i> , 2001 , 64, | 3.3 | 26 |
| 169 | Multiferroicity in NiBr ₂ with long-wavelength cycloidal spin structure on a triangular lattice. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 25 |
| 168 | Magnetic Field Induced Triple-q Magnetic Order in Trillium Lattice Antiferromagnet EuPtSi Studied by Resonant X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 093704 | 1.5 | 24 |
| 167 | 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 |
| 166 | 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 |
| 165 | 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 |
| 164 | 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 |
| 163 | Structural phase transition in the ammoniated alkali C ₆₀ compound (NH ₃)K ₃ C ₆₀ . <i>Physical Review B</i> , 1999 , 59, 3956-3960 | 3.3 | 21 |
| 162 | Experimental Elucidation: Microscopic Mechanism of Resonant X-Ray Scattering in Manganite Films. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 1006-1009 | 1.5 | 20 |
| 161 | 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 |
| 160 | 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 |
| 159 | Topological Nernst Effect of the Two-Dimensional Skyrmion Lattice. <i>Physical Review Letters</i> , 2020 , 125, 076602 | 7.4 | 20 |
| 158 | High-field depinned phase and planar Hall effect in the skyrmion host Gd ₂ PdSi ₃ . <i>Physical Review B</i> , 2020 , 101, | 3.3 | 19 |
| 157 | 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 |
| 156 | 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 |
| 155 | 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 |
| 154 | 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 |

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| 153 | Strain-sensitive spin-state ordering in thin films of perovskite LaCoO ₃ . <i>Physical Review B</i> , 2015 , 92, | 3.3 | 19 |
| 152 | Observation of Structural Change in the Novel Ferromagnetic Metal-Insulator Transition of K ₂ Cr ₈ O ₁₆ . <i>Journal of the Physical Society of Japan</i> , 2012 , 81, 054710 | 1.5 | 18 |
| 151 | Orbital states of V trimers in BaV ₁₀ O ₁₅ detected by resonant x-ray scattering. <i>Physical Review B</i> , 2012 , 86, | 3.3 | 18 |
| 150 | Crystal Structure and Valence Distribution of [(LaMnO ₃) _m (SrMnO ₃) _m] _n Artificial Superlattices. <i>Journal of the Physical Society of Japan</i> , 2009 , 78, 024602 | 1.5 | 18 |
| 149 | Competition of Magnetic and Quadrupolar Order Parameters in HoB ₄ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 044709 | 1.5 | 18 |
| 148 | Crystal Structure and Charge-Ordering in La _{1.5} Ca _{0.5} CoO ₄ Studied by Neutron and Resonant X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 044601 | 1.5 | 18 |
| 147 | Resonant X-ray Scattering in Perovskite Manganite Superlattice Observation of Orbital Superlattice. <i>Journal of the Physical Society of Japan</i> , 2003 , 72, 785-788 | 1.5 | 17 |
| 146 | Observation of ordered orbital of YTiO ₃ by the X-ray magnetic diffraction experiments. <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 1993-1997 | 3.9 | 17 |
| 145 | Atomic Short-Range Order in an Al ₇₂ Ni ₂₀ Co ₈ Decagonal Quasicrystal by Anomalous-X-Ray Scattering. <i>Japanese Journal of Applied Physics</i> , 2000 , 39, L1111-L1114 | 1.4 | 17 |
| 144 | Neutron Scattering Study of Temperature-Concentration Phase Diagram of (Cu _{1-x} Mg _x)GeO ₃ . <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3662-3667 | 1.5 | 17 |
| 143 | Double Condensation at V-Point on the Phase Transition of K ₃ D(SO ₄) ₂ . <i>Journal of the Physical Society of Japan</i> , 1994 , 63, 1803-1807 | 1.5 | 17 |
| 142 | Element-specific soft x-ray spectroscopy, scattering, and imaging studies of the skyrmion-hosting compound Co ₈ Zn ₈ Mn ₄ . <i>Physical Review B</i> , 2019 , 99, | 3.3 | 16 |
| 141 | Protonation of pyridyl-substituted TTF derivatives: substituent effects in solution and in the proton-electron correlated charge-transfer complexes. <i>Chemistry - A European Journal</i> , 2014 , 20, 1909-17 | 4.8 | 16 |
| 140 | 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 |
| 139 | REXS contribution to electronic ordering investigation in solids. <i>European Physical Journal: Special Topics</i> , 2012 , 208, 89-98 | 2.3 | 16 |
| 138 | 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 |
| 137 | Orbital ordering in RVO ₃ (R=Y,Tb) controlled by hydrostatic pressure. <i>Physical Review B</i> , 2008 , 78, | 3.3 | 16 |
| 136 | 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 |

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| 135 | Pressure effects on an organic radical ferromagnet: 2,5-difluorophenyl- π -trityl nitroxide. <i>Physical Review B</i> , 2003 , 67, | 3.3 | 15 |
| 134 | Coupling between Orbital and Lattice Degrees of Freedom in $Y_{1-x}Ca_xTiO_3$ (0 Journal of the Physical Society of Japan, 2005 , 74, 3259-3266 | 1.5 | 15 |
| 133 | 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 |
| 132 | Coherent Resonant Soft X-ray Scattering Study of Magnetic Textures in FeGe. <i>Quantum Beam Science</i> , 2018 , 2, 3 | 1.6 | 14 |
| 131 | High-temperature thermoelectric properties of the double-perovskite ruthenium oxide $(Sr_{1-x}Lax)_2ErRuO_6$. <i>Journal of Applied Physics</i> , 2012 , 112, 073714 | 2.5 | 14 |
| 130 | Change of electronic state and crystal structure by postannealing in superconducting $SrFe_2(As_{0.65}P_{0.35})_2$. <i>Physical Review B</i> , 2013 , 87, | 3.3 | 12 |
| 129 | Magnetism and Pressure-Induced Superconductivity of Checkerboard-Type Charge-Ordered Molecular Conductor $[meso-DMBEDT-TTF]_2X$ ($X = PF_6$ and AsF_6). <i>Crystals</i> , 2012 , 2, 1502-1513 | 2.3 | 12 |
| 128 | Simultaneous Occurrence of an Antiferroquadrupolar and a Ferromagnetic Transitions in Rare-Earth Palladium Bronze $CePd_3S_4$. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 114706 | 1.5 | 12 |
| 127 | Structural Phase Transition in the Spin Gap System $YbAl_3C_3$. <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 103601 | 1.5 | 12 |
| 126 | d π -Coulomb and quadrupole-strain interactions in DyB_2C_2 observed by resonant x-ray scattering. <i>Physical Review B</i> , 2005 , 71, | 3.3 | 12 |
| 125 | Structural Phase Transitions of Endohedral Metallofullerene $La@C_{82}$ Studied by Single Crystal X-Ray Diffraction. <i>Molecular Crystals and Liquid Crystals</i> , 2000 , 340, 639-642 | | 12 |
| 124 | Magnetic and electronic states in $(LaMnO_3)_2(SrMnO_3)_2$ superlattice exhibiting a large negative magnetoresistance. <i>Physical Review B</i> , 2015 , 92, | 3.3 | 11 |
| 123 | Effects of cation-size variance on spin and orbital orders in $Eu_{1-x}(La_{0.25}Y_{0.746})_xVO_3$. <i>Physical Review B</i> , 2011 , 84, | 3.3 | 11 |
| 122 | Structural relations between two ground states of NaV_2O_5 under high pressure: A synchrotron x-ray diffraction study. <i>Physical Review B</i> , 2007 , 76, | 3.3 | 11 |
| 121 | Orbitally Ordered State in $Y_{1-x}Ca_xTiO_3$ (0. <i>Journal of the Physical Society of Japan</i> , 2004 , 73, 2620-2623 | 1.5 | 11 |
| 120 | Resonant X-ray Studies of the Quadrupolar Orderings in RB_2C_2 ($R = Dy, Ho$). <i>Journal of the Physical Society of Japan</i> , 2002 , 71, 91-93 | 1.5 | 11 |
| 119 | Interplay between charge density wave and antiferromagnetic order in $GdNiC_2$. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 10 |
| 118 | Absence of Magnetic Long Range Order in $Ba_3ZnRu_2O_9$: A Spin-Liquid Candidate in the $S = 3/2$ Dimer Lattice. <i>Journal of the Physical Society of Japan</i> , 2017 , 86, 033702 | 1.5 | 10 |

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| 117 | Observation of magnetic order in multiferroic SmMn ₂ O ₅ studied by resonant x-ray magnetic scattering. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 10 |
| 116 | Pseudogap-related charge dynamics in the layered nickelate R ₂ Sr _x NiO ₄ (x~1). <i>Physical Review B</i> , 2012 , 86, | 3.3 | 10 |
| 115 | Resonant X-ray magnetic diffraction experiments on. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 748-750 | 2.8 | 10 |
| 114 | Resonant and non-resonant X-ray scattering from. <i>Physica B: Condensed Matter</i> , 2005 , 359-361, 965-967 | 2.8 | 10 |
| 113 | Lattice Modulation and Structural Phase Transition in the Antiferromagnet EuAl ₄ . <i>Journal of the Physical Society of Japan</i> , 2019 , 88, 014602 | 1.5 | 10 |
| 112 | Three superconducting phases with different categories of pairing in hole- and electron-doped LaFeAs _{1-x} P _x O. <i>Physical Review B</i> , 2017 , 95, | 3.3 | 9 |
| 111 | Uniaxial colossal magnetoresistance in the Ising magnet SrCo ₂ O ₁₉ . <i>Physical Review B</i> , 2011 , 83, | 3.3 | 9 |
| 110 | Magnetic Compton Profile Study of Orbital Ordering State of 3d Electrons in YTiO ₃ . <i>Journal of the Physical Society of Japan</i> , 2008 , 77, 023705 | 1.5 | 9 |
| 109 | Diffuse scattering from an Al ₇₂ Ni ₂₀ Co ₈ decagonal quasicrystal on an order-disorder transformation. <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 1665-1676 | 1.8 | 9 |
| 108 | Structural Aspects of NaV ₂ O ₅ under High Pressure. <i>Journal of the Physical Society of Japan</i> , 1999 , 68, 3286-3291 | 1.5 | 9 |
| 107 | Pressure-Induced Phase Transition in NaV ₂ O ₅ at Low Temperature. <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 639-642 | 1.5 | 9 |
| 106 | Orthorhombic distortion and orbital order in the vanadium spinel FeV ₂ O ₄ . <i>Physical Review B</i> , 2016 , 93, | 3.3 | 8 |
| 105 | Development of an in-vacuum diffractometer for resonant soft X-ray scattering. <i>Journal of Physics: Conference Series</i> , 2014 , 502, 012015 | 0.3 | 8 |
| 104 | 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 |
| 103 | DISCOVERY OF THE "DEVIL'S FLOWER" IN A CHARGE-ORDERING SYSTEM BY SYNCHROTRON X-RAY DIFFRACTION STUDY OF NaV ₂ O ₅ . <i>Modern Physics Letters B</i> , 2006 , 20, 199-214 | 1.6 | 8 |
| 102 | Small crystal distortion and long-range antiferro-orbital ordering in the spinel oxide CoV ₂ O ₄ . <i>Physical Review B</i> , 2017 , 96, | 3.3 | 7 |
| 101 | Uniaxial pressure effects on spin-lattice coupled phase transitions in a geometrical frustrated magnet CuFeO ₂ . <i>Physical Review B</i> , 2016 , 94, | 3.3 | 7 |
| 100 | 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 |

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| 99 | Antiferromagnetic Order of the Co ²⁺ High-Spin State with a Large Orbital Angular Momentum in La _{1.5} Ca _{0.5} CoO ₄ . <i>Journal of the Physical Society of Japan</i> , 2014 , 83, 044705 | 1.5 | 7 |
| 98 | Unconventional magnetism in the layered oxide LaSrRhO ₄ . <i>Physical Review B</i> , 2014 , 90, | 3.3 | 7 |
| 97 | Resonant soft X-ray scattering study of the magnetic structures in La _{1.5} Ca _{0.5} CoO ₄ using a high vacuum diffractometer with a 4-blade-slit detector system. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 202003 | 0.3 | 7 |
| 96 | Contribution of intermediate submicrometer structures to physical properties near T _c in Pb(Zn _{1/3} Nb _{2/3})O ₃ -9%PbTiO ₃ . <i>Physical Review B</i> , 2011 , 83, | 3.3 | 7 |
| 95 | Lattice dimerization and strain in inorganic spin-Peierls compound NaV ₂ O ₅ . <i>Physica B: Condensed Matter</i> , 1997 , 241-243, 534-536 | 2.8 | 7 |
| 94 | Orbital ordering and the dilute effect in copper fluoride. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 787-789 | 2.8 | 7 |
| 93 | Resonant X-ray Scattering Study at Y K-edge in Y _{1-x} CaxTiO ₃ . <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 094706 | 1.5 | 7 |
| 92 | Quadrupolar Order and Structural Phase Transition in DyB ₄ with Geometrical Frustration. <i>Journal of the Physical Society of Japan</i> , 2006 , 75, 198-200 | 1.5 | 7 |
| 91 | Periodic Arrangement of Quadrupolar Moments Induced by the Antiferromagnetic Order in TbB ₂ C ₂ : Observation by Resonant X-ray Scattering. <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 1566-1571 | 1.5 | 7 |
| 90 | Multipole Tensor Analysis of the Resonant X-ray Scattering by Quadrupolar and Magnetic Order in DyB ₂ C ₂ . <i>Journal of the Physical Society of Japan</i> , 2005 , 74, 1500-1507 | 1.5 | 7 |
| 89 | Neutron and synchrotron radiation studies of the phase transition of h-BaTiO ₃ . <i>Ferroelectrics</i> , 1998 , 217, 1-7 | 0.6 | 7 |
| 88 | Coherent X-ray Diffraction for Domain Observation. <i>Transactions of the Materials Research Society of Japan</i> , 2007 , 32, 7-10 | 0.2 | 7 |
| 87 | Spin-state responses to light impurity substitution in low-spin perovskite LaCoO ₃ . <i>Physical Review B</i> , 2013 , 87, | 3.3 | 6 |
| 86 | Spin State of Co ³⁺ in LaCo _{1-x} RhxO ₃ Investigated by Structural Phenomena. <i>Journal of the Physical Society of Japan</i> , 2013 , 82, 114606 | 1.5 | 6 |
| 85 | Diffractometer for small angle resonant soft x-ray scattering under magnetic field. <i>Journal of Physics: Conference Series</i> , 2013 , 425, 132012 | 0.3 | 6 |
| 84 | Garnet superlattice as a transparent above-room-temperature polar magnet. <i>Physical Review B</i> , 2011 , 83, | 3.3 | 6 |
| 83 | Orbital ordered states in RVO ₃ (R= Y, Tb) studied by a resonant x-ray scattering. <i>Journal of Physics: Conference Series</i> , 2009 , 150, 042010 | 0.3 | 6 |
| 82 | Resonant X-ray scattering study on the filled skutterudite PrFe ₄ P ₁₂ . <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 467-468 | 2.8 | 6 |

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| 81 | Appearance of the spin-Peierls phase under pressure in $\text{Cu}_{1-x}\text{Mg}_x\text{GeO}_3$. <i>Physical Review B</i> , 2003 , 67, | 3.3 | 6 |
| 80 | Direct observation of ordered orbital of YTiO_3 by the X-ray magnetic diffraction technique. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 238, 237-241 | 1.2 | 6 |
| 79 | Critical Neutron Scattering Study of the Compositional Phase Transition in Mg-Doped CuGeO_3 . <i>Journal of the Physical Society of Japan</i> , 2000 , 69, 3186-3188 | 1.5 | 6 |
| 78 | Temperature versus concentration phase diagram of Mg- and Si-doped CuGeO_3 . <i>Physica B: Condensed Matter</i> , 2000 , 284-288, 1637-1638 | 2.8 | 6 |
| 77 | Critical behavior of crystal lattice of NaVO_5 . <i>Journal of Physics and Chemistry of Solids</i> , 1999 , 60, 1101-1103 | 3.9 | 6 |
| 76 | Neutron incoherent scattering of structural glass NH_4KI mixed crystal. <i>Physica B: Condensed Matter</i> , 1995 , 213-214, 564-566 | 2.8 | 6 |
| 75 | Thickness dependence and dimensionality effects on charge and magnetic orderings in $\text{La}_{1/3}\text{Sr}_{2/3}\text{FeO}_3$ thin films. <i>Physical Review B</i> , 2018 , 97, | 3.3 | 5 |
| 74 | Observation of all-in type tetrahedral displacements in nonmagnetic pyrochlore niobates. <i>Physical Review B</i> , 2016 , 93, | 3.3 | 5 |
| 73 | Chiral-crystal-structure transformations and magnetic states of $\text{R}_3\text{Rh}_4\text{Sn}_{13}$ (R=La and Ce). <i>Physical Review B</i> , 2018 , 97, | 3.3 | 5 |
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