

Satoru Nakatsuji

List of Publications by Year in descending order

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308
papers

14,564
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19608

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docs citations

317
times ranked

7336
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Large anomalous Hall effect in a non-collinear antiferromagnet at room temperature. Nature, 2015, 527, 212-215. | 13.7 | 1,009 |
| 2 | Spin Disorder on a Triangular Lattice. Science, 2005, 309, 1697-1700. | 6.0 | 457 |
| 3 | Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095. | 13.3 | 450 |
| 4 | Large anomalous Nernst effect at room temperature in a chiral antiferromagnet. Nature Physics, 2017, 13, 1085-1090. | 6.5 | 432 |
| 5 | Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124. | 6.5 | 366 |
| 6 | Time-reversal symmetry breaking and spontaneous Hall effect without magnetic dipole order. Nature, 2010, 463, 210-213. | 13.7 | 352 |
| 7 | Quasi-Two-Dimensional Mott Transition System $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Physical Review Letters, 2000, 84, 2666-2669. | 2.9 | 347 |
| 8 | Metallic Spin-Liquid Behavior of the Geometrically Frustrated Kondo Lattice $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2006, 96, 087204. | 2.9 | 312 |
| 9 | Superconductivity and quantum criticality in the heavy-fermion system $\text{U}^2\text{-YbAlB}_4$. Nature Physics, 2008, 4, 603-607. | 6.5 | 307 |
| 10 | Metamagnetism and Critical Fluctuations in High Quality Single Crystals of the Bilayer Ruthenate $\text{Sr}_3\text{Ru}_2\text{O}_7$. Physical Review Letters, 2001, 86, 2661-2664. | 2.9 | 272 |
| 11 | Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. Nature Photonics, 2018, 12, 73-78. | 15.6 | 260 |
| 12 | Magnetic and magnetic inverse spin Hall effects in a non-collinear antiferromagnet. Nature, 2019, 565, 627-630. | 13.7 | 252 |
| 13 | Giant Anomalous Hall Effect in the Chiral Antiferromagnet Mn_3Ge . Physical Review Applied, 2016, 5, 044102. | 1.5 | 249 |
| 14 | Crystal and magnetic structure of Ca_2RuO_4 : Magnetoelastic coupling and the metal-insulator transition. Physical Review B, 1998, 58, 847-861. | 1.1 | 241 |
| 15 | Ground state in $\text{Sr}_3\text{Ru}_2\text{O}_7$: Fermi liquid close to a ferromagnetic instability. Physical Review B, 2000, 62, R6089-R6092. | 1.1 | 226 |
| 16 | Structural and magnetic aspects of the metal-insulator transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. Physical Review B, 2001, 63, . | 1.1 | 225 |
| 17 | Unconventional Anomalous Hall Effect Enhanced by a Noncoplanar Spin Texture in the Frustrated Kondo Lattice $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2007, 98, 057203. | 2.9 | 223 |
| 18 | Ca_2RuO_4 : New Mott Insulators of Layered Ruthenate. Journal of the Physical Society of Japan, 1997, 66, 1868-1871. | 0.7 | 217 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Electrical manipulation of a topological antiferromagnetic state. <i>Nature</i> , 2020, 580, 608-613. | 13.7 | 212 |
| 20 | Quantum Criticality Without Tuning in the Mixed Valence Compound $\text{Pr}_2\text{YbAlB}_4$. <i>Science</i> , 2011, 331, 316-319. | 6.0 | 199 |
| 21 | Kondo Effects and Multipolar Order in the Cubic $\text{Pr}_2\text{Tr}_2\text{Al}_{20}$ ($\text{Tr}=\text{Ti}, \text{V}$). <i>Journal of the Physical Society of Japan</i> , 2011, 80, 063701. | 0.7 | 198 |
| 22 | Spin-Orbit Coupling in the Mott Insulator Ca_2RuO_4 . <i>Physical Review Letters</i> , 2001, 87, 077202. | 2.9 | 171 |
| 23 | Iron-based binary ferromagnets for transverse thermoelectric conversion. <i>Nature</i> , 2020, 581, 53-57. | 13.7 | 162 |
| 24 | Heavy-Fermion Superconductivity in the Quadrupole Ordered State of PrV_2 . <i>Physical Review Letters</i> , 2014, 113, 267001. | 2.9 | 157 |
| 25 | Quantum fluctuations in spin-ice-like $\text{Pr}_2\text{Zr}_2\text{O}_7$. <i>Nature Communications</i> , 2013, 4, 1934. | 5.8 | 153 |
| 26 | Enhancement of Superconductivity of Sr_2RuO_4 to 3 K by Embedded Metallic Microdomains. <i>Physical Review Letters</i> , 1998, 81, 3765-3768. | 2.9 | 152 |
| 27 | Optical evidence for a Weyl semimetal state in pyrochlore Eu_2O_7 . <i>Physical Review B</i> , 2015, 92, 115115. | 1.1 | 151 |
| 28 | Pressure-Induced Heavy Fermion Superconductivity in the Nonmagnetic Quadrupolar System PrTi_2Al_4 . <i>Physical Review Letters</i> , 2012, 109, 187004. | 2.9 | 150 |
| 29 | Quadratic Fermi node in a 3D strongly correlated semimetal. <i>Nature Communications</i> , 2015, 6, 10042. | 5.8 | 145 |
| 30 | Switching of magnetic coupling by a structural symmetry change near the Mott transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. <i>Physical Review B</i> , 2000, 62, 6458-6466. | 1.1 | 144 |
| 31 | Heavy-Mass Fermi Liquid near a Ferromagnetic Instability in Layered Ruthenates. <i>Physical Review Letters</i> , 2003, 90, 137202. | 2.9 | 134 |
| 32 | Possible Multiple Gap Superconductivity with Line Nodes in Heavily Hole-Doped Superconductor KFe_2As_2 Studied by ^{75}As Nuclear Quadrupole Resonance and Specific Heat. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 083712. | 0.7 | 131 |
| 33 | Superconductivity in the Ferroquadrupolar State in the Quadrupolar Kondo Lattice $\text{PrTi}_2\text{Al}_{20}$. <i>Journal of the Physical Society of Japan</i> , 2012, 81, 083702. | 0.7 | 131 |
| 34 | Determination of long-range all-in-all-out ordering of Ir moments in a pyrochlore iridate $\text{Eu}_4\text{Ir}_4\text{O}_{12}$. <i>Physical Review B</i> , 2012, 85, 115115. | 1.1 | 131 |
| 35 | Energy-harvesting materials based on the anomalous Nernst effect. <i>Science and Technology of Advanced Materials</i> , 2019, 20, 262-275. | 2.8 | 122 |
| 36 | Spin-Orbital Short-Range Order on a Honeycomb-Based Lattice. <i>Science</i> , 2012, 336, 559-563. | 6.0 | 116 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | From Mott insulator to ferromagnetic metal: A pressure study of Ca ₂ RuO ₄ . Physical Review B, 2002, 65, . | 1.1 | 113 |
| 38 | Intersite Coupling Effects in a Kondo Lattice. Physical Review Letters, 2002, 89, 106402. | 2.9 | 109 |
| 39 | Field-induced quantum metal-insulator transition in the pyrochlore iridate Nd ₂ Ir ₂ O ₇ . Nature Physics, 2016, 12, 134-138. | 6.5 | 109 |
| 40 | Strong Valence Fluctuation in the Quantum Critical Heavy Fermion Superconductor YbAlB_4 : A Hard X-Ray Photoemission Study. Physical Review Letters, 2010, 104, 247201. | 2.9 | 104 |
| 41 | pyrochlore iridate $\text{Eu}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2010, 104, 247201. | 1.1 | 99 |
| 42 | Crystal Structure and Physical Properties of Polymorphs of LnAlB_4 (Ln = Yb, Lu). Chemistry of Materials, 2007, 19, 1918-1922. | 3.2 | 98 |
| 43 | Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn_3Sn . Applied Physics Letters, 2018, 113, . | 1.5 | 97 |
| 44 | Quantum criticality in a metallic spin liquid. Nature Materials, 2014, 13, 356-359. | 13.3 | 96 |
| 45 | Anomalous Hall antiferromagnets. Nature Reviews Materials, 2022, 7, 482-496. | 23.3 | 93 |
| 46 | Electronic structures of layered perovskite Sr_2MO_4 (M=Ru, Rh, and Ir). Physical Review B, 2006, 74, . | 1.1 | 91 |
| 47 | Pressure-tuned insulator to metal transition in $\text{Eu}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2010, 104, 247201. | 1.1 | 91 |
| 48 | Anomalous transport due to Weyl fermions in the chiral antiferromagnets Mn_3X , $\text{X}=\text{Sn, Ge}$. Nature Communications, 2021, 12, 572. | 5.8 | 90 |
| 49 | Ferroquadrupolar ordering in $\text{PrTi}_2\text{Al}_{10}$. Physical Review B, 2010, 81, 100401. | 1.1 | 85 |
| 50 | Disordered Route to the Coulomb Quantum Spin Liquid? Random Transverse Fields on Spin Ice. Physical Review Letters, 2017, 118, 107206. | 1.1 | 83 |
| 51 | Eu ₂ Ir ₂ O ₇ . Physical Review Letters, 2010, 104, 247201. | 1.1 | 78 |
| 52 | Crystal growth and structure of $\text{R}_2\text{Ir}_2\text{O}_7$ (R=Pr, Eu) using molten KF. Materials Research Bulletin, 2007, 42, 928-934. | 2.7 | 75 |
| 53 | Roles of High-Frequency Optical Phonons in the Physical Properties of the Conductive Delafossite PdCoO_2 . Journal of the Physical Society of Japan, 2007, 76, 104701. | 0.7 | 74 |
| 54 | Slater to Mott Crossover in the Metal to Insulator Transition of $\text{Nd}_2\text{Ir}_2\text{O}_7$. Physical Review Letters, 2016, 117, 056403. | 2.9 | 72 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Room-temperature terahertz anomalous Hall effect in Weyl antiferromagnet Mn ₃ Sn thin films. Nature Communications, 2020, 11, 909. | 5.8 | 70 |
| 56 | Strange metal without magnetic criticality. Science, 2015, 349, 506-509. | 6.0 | 69 |
| 57 | Spin dynamics and spin freezing behavior in the two-dimensional antiferromagnet NiGa_2S_4 revealed by Ga-NMR, NQR and μSR . | 1.1 | 68 |
| 58 | Mechanism of Hopping Transport in Disordered Mott Insulators. Physical Review Letters, 2004, 93, 146401. | 2.9 | 65 |
| 59 | Universal geometric frustration in pyrochlores. Nature Communications, 2018, 9, 2619. | 5.8 | 64 |
| 60 | High-pressure diffraction studies on Ca ₂ RuO ₄ . Physical Review B, 2005, 72, . | 1.1 | 61 |
| 61 | Structure and physical properties of single crystal PrCr ₂ Al ₂₀ and CeM ₂ Al ₂₀ (M=V, Cr): A comparison of compounds adopting the CeCr ₂ Al ₂₀ structure type. Journal of Solid State Chemistry, 2012, 196, 274-281. | 1.4 | 61 |
| 62 | Experimental realization of a quantum breathing pyrochlore antiferromagnet. Physical Review B, 2014, 90, . | 1.1 | 61 |
| 63 | Magnetic field-tuned quantum critical point in CeAuSb ₂ . Physical Review B, 2005, 72, . | 1.1 | 60 |
| 64 | Strong valence fluctuation effects in SmT ₂ Cr ₂ . | | |

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|----|---|------|-----------|
| 73 | Novel Geometrical Frustration Effects in the Two-Dimensional Triangular-Lattice Antiferromagnet NiGa_2S_4 and Related Compounds. Journal of the Physical Society of Japan, 2010, 79, 011003. | 0.7 | 49 |
| 74 | Evaluation of spin diffusion length and spin Hall angle of the antiferromagnetic Weyl semimetal Mn_3Sn . Physical Review B, 2019, 99, . | 1.1 | 47 |
| 75 | Anisotropic heavy-Fermi-liquid formation in valence-fluctuating YbAlB_4 . Low-energy excitations and ground-state selection in the quantum breathing pyrochlore antiferromagnet Ba_3O_{11} . Physical Review B, 2016, 93, . | 1.1 | 44 |
| 76 | Giant field-like torque by the out-of-plane magnetic spin Hall effect in a topological antiferromagnet. Nature Communications, 2021, 12, 6491. | 5.8 | 41 |
| 78 | Unusual Superexchange Pathways in an NiS_2 Triangular Lattice with Negative Charge-Transfer Energy. Physical Review Letters, 2007, 99, 037203. | 2.9 | 40 |
| 79 | Dielectric anomalies and interactions in the three-dimensional quadratic band touching Luttinger semimetal $\text{Pr}_2\text{Ir}_2\text{O}_7$. Nature Communications, 2017, 8, 2097. | 5.8 | 40 |
| 80 | Observation of Bose-Einstein Condensation of Triplons in Quasi 1D Spin-Gap System $\text{Pb}_2\text{V}_3\text{O}_9$. Journal of the Physical Society of Japan, 2004, 73, 3435-3438. | 0.7 | 39 |
| 81 | Short-Range Order in Single Crystals of the S_2 Triangular Antiferromagnet NiGa_2S_4 . Physical Review Letters, 2013, 111, . | 2.9 | 39 |
| 82 | Dynamical spin-orbital correlation in the frustrated magnet $\text{Ba}_3\text{CuSb}_2\text{O}_9$. Nature Communications, 2013, 4, 2022. | 5.8 | 39 |
| 83 | Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn_3Sn . Applied Physics Letters, 2017, 111, . | 1.5 | 38 |
| 84 | Strain-induced spontaneous Hall effect in an epitaxial thin film of a Luttinger semimetal. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 8803-8808. | 3.3 | 37 |
| 85 | Nodeless kagome superconductivity in LaRu_3Mn_7 . Physical Review Materials, 2021, 5, . | 0.93 | 17 |
| 86 | Ultrasonic Investigation on a Cage Structure Compound $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2011, 80, SA049. | 0.7 | 36 |
| 87 | Anomalous Spin-Density Distribution on Oxygen and Ru in $\text{Ca}_{1.5}\text{Sr}_{0.5}\text{RuO}_4$: Polarized Neutron Diffraction Study. Physical Review Letters, 2002, 89, 087202. | 2.9 | 35 |
| 88 | Crystalline electric field levels and magnetic properties of the metallic pyrochlore compound $\text{Pr}_2\text{Ir}_2\text{O}_7$. Journal of Physics and Chemistry of Solids, 2005, 66, 1435-1437. | 1.9 | 35 |
| 89 | Coherent Behavior and Nonmagnetic Impurity Effects of Spin Disordered State in NiGa_2S_4 . Journal of the Physical Society of Japan, 2006, 75, 043711. | 0.7 | 35 |
| 90 | AuSR Evidence of Nonmagnetic Order and ^{141}Pr Hyperfine-Enhanced Nuclear Magnetism in the Cubic $\text{PrTi}_2\text{Al}_{20}$ Ground Doublet System $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2011, 80, 113703. | 0.7 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 91 | Hybridization effect in PrTi $\text{AlMn}_2\text{O}_{10}$ hybridization effect in PrTi $\text{AlMn}_2\text{O}_{10}$. https://doi.org/10.1103/PhysRevB.83.114404 | 1.1 | 35 |
| 92 | Large anomalous Nernst effect and nodal plane in an iron-based kagome ferromagnet. Science Advances, 2022, 8, eabk1480. | 4.7 | 35 |
| 93 | Unconventional spin freezing and fluctuations in the frustrated antiferromagnet NiGa 2S_4 . Physical Review B, 2008, 78, . | 1.1 | 34 |
| 94 | Strongly Enhanced Magnetic Fluctuations in a Large-Mass Layered Ruthenate. Physical Review Letters, 2004, 93, 147404. | 2.9 | 33 |
| 95 | Unveiling hidden multipolar orders with magnetostriction. Nature Communications, 2019, 10, 4092. | 5.8 | 33 |
| 96 | Magneto-optical Kerr effect in a non-collinear antiferromagnet Mn 3Ge . Applied Physics Letters, 2020, 116, . | 1.5 | 31 |
| 97 | Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142. | 5.2 | 31 |
| 98 | A comparison of the structure and localized magnetism in Ce 2PdGa_{12} with the heavy fermion CePdGa 6 . Journal of Solid State Chemistry, 2005, 178, 3547-3553. | 1.4 | 30 |
| 99 | Electronic structure and evolution of the orbital state in metallic Ca $2\text{â}^\wedge\text{xSr}_\text{x}\text{RuO}_4$. Physical Review B, 2005, 72, . | 1.1 | 30 |
| 100 | Evidence of superconductivity on the border of quasi-2D ferromagnetism in Ca 2RuO_4 at high pressure. Journal of Physics Condensed Matter, 2010, 22, 052202. | 0.7 | 30 |
| 101 | Photoemission spectroscopy and single-impurity Anderson model calculations. Physical Review B, 2011, 84, . | 1.1 | 30 |
| 102 | Field-induced quadrupolar quantum criticality in PrV 2O_7 . Physical Review B, 2015, 91, . | 1.2 | 30 |
| 103 | Absence of Jahn-Teller transition in the hexagonal Ba $3\text{CuSb}_2\text{O}_9$ single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9305-9309. | 3.3 | 30 |
| 104 | High-field electron spin resonance in the two-dimensional triangular-lattice antiferromagnet NiGa 2S_4 . Physical Review B, 2008, 78, . | 1.1 | 29 |
| 105 | Electrons in the Fermi Surface of the Heavy Fermion Superconductor YbAlB 4 . Physical Review B, 2011, 84, . | 2.9 | 29 |
| 106 | Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal Mn $3\text{Sb}_2\text{O}_{12}$. Physical Review B, 2020, 102, . | 1.1 | 29 |
| 107 | Strong Mass Renormalization at a Local Momentum Space in Multiorbital Ca 1.8Sr . Physical Review Letters, 2009, 102, 086401. | 2.9 | 28 |
| 108 | Quantum valence criticality in a correlated metal. Science Advances, 2018, 4, eaao3547. | 4.7 | 28 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Orthogonal magnetization and symmetry breaking in pyrochlore iridate $\text{Eu}_2\text{Ir}_2\text{O}_7$. Nature Physics, 2017, 13, 599-603. | 6.5 | 27 |
| 110 | Magnetic excitations in the metallic single-layer ruthenates CaMn_2O_7 . Physical Review Letters, 2006, 96, 077201. | 1.1 | 26 |
| 111 | Terahertz conductivity of the magnetic Weyl semimetal Mn_3Sn films. Applied Physics Letters, 2019, 115, . | 1.5 | 26 |
| 112 | Omnidirectional Control of Large Electrical Output in a Topological Antiferromagnet. Advanced Functional Materials, 2021, 31, 2008971. | 7.8 | 26 |
| 113 | Coherent behaviour without magnetic order of the triangular lattice antiferromagnet NiGa_2S_4 . Journal of Physics Condensed Matter, 2007, 19, 145232. | 0.7 | 25 |
| 114 | Weak quasistatic magnetism in the frustrated Kondo lattice $\text{Pr}_2\text{Ir}_2\text{O}_7$. Physica B: Condensed Matter, 2009, 404, 667-670. | 1.3 | 25 |
| 115 | NMR/NQR and Specific Heat Studies of Iron Pnictide Superconductor KFeAs_2 . Journal of the Physical Society of Japan, 2011, 80, SA118. | 0.7 | 25 |
| 116 | Quantum Critical Kondo Quasiparticles Probed by ESR in YbAlB_4 . Physical Review Letters, 2011, 107, 026402. | 2.9 | 25 |
| 117 | Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401. | 2.9 | 24 |
| 118 | Severe Fermi Surface Reconstruction at a Metamagnetic Transition in $\text{Ca}_2\text{SrxRuO}_4$ (for $0.2 \leq x \leq 0.5$). Physical Review Letters, 2005, 95, 196407. | 2.9 | 23 |
| 119 | Orbital-Selective Mass Enhancements in Multiband $\text{Ca}_2\text{SrxRuO}_4$ Systems Analyzed by the Extended Drude Model. Physical Review Letters, 2006, 96, 057401. | 2.9 | 23 |
| 120 | Unstable spin-ice order in the stuffed metallic pyrochlore Pr_2O_7 . Physical Review B, 2015, 92, . | 1.1 | 23 |
| 121 | NMR Observation of Ferro-Quadrupole Order in PrTiAl_{20} . Journal of the Physical Society of Japan, 2016, 85, 113703. | 0.7 | 23 |
| 122 | Spin Dependent Impurity Effects on the 2D Frustrated Magnetism of NiGa_2S_4 . Physical Review Letters, 2008, 101, 207204. | 2.9 | 22 |
| 123 | Evidence of a High-Field Phase in PrVAl_{20} in a [100] Magnetic Field. Journal of the Physical Society of Japan, 2013, 82, 043705. | 0.7 | 22 |
| 124 | Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. Physical Review B, 2015, 92, . | 1.1 | 22 |
| 125 | Irreversible Dynamics of the Phase Boundary in $\text{U}(\text{Ru}_{0.96}\text{Rh}_{0.04})_2\text{Si}_2$ and Implications for Ordering. Physical Review Letters, 2006, 96, 136403. | 2.9 | 21 |
| 126 | Thermoelectric Response Near a Quantum Critical Point of YbAlB_4 and YbRh_2Si_2 . Physical Review Letters, 2012, 109, 156405. | 2.9 | 21 |

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|-----|--|-----|-----------|
| 127 | Electrical nucleation, displacement, and detection of antiferromagnetic domain walls in the chiral antiferromagnet Mn ₃ Sn. <i>Communications Physics</i> , 2020, 3, . | 2.0 | 21 |
| 128 | High-Field ESR and Magnetization of the Triangular Lattice Antiferromagnet NiGa ₂ S ₄ . <i>Journal of the Physical Society of Japan</i> , 2010, 79, 054710. | 0.7 | 20 |
| 129 | \hat{I}_{\pm} -YbAlB ₄ and \hat{I}_{\pm} \hat{I}_{\pm} | 1.1 | 20 |
| 130 | Chemical and orbital fluctuations in BaMn_3O_9 . <i>Physical Review B</i> , 2016, 93, . | 1.1 | 20 |
| 131 | Giant Effective Damping of Octupole Oscillation in an Antiferromagnetic Weyl Semimetal. <i>Small Science</i> , 2021, 1, 2000062. Evolution of c | 5.8 | 20 |
| 132 | Hybridization and Two-Component Hall Effect in \hat{I}_{\pm} | 2.9 | 19 |
| 133 | Anomalous Enhancement of Seebeck Coefficient in Pr-Based 1-2-20 System with Non-Kramers Doublet Ground States. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012025. | 0.3 | 18 |
| 134 | Lattice dynamics and the electron-phonon interaction in Ca ₂ RuO ₄ . <i>Physical Review B</i> , 2005, 71, . | 1.1 | 17 |
| 135 | Complex magnetic phase diagram of ferromagnetic CeNiSb ₃ . <i>Physical Review B</i> , 2005, 71, . | 1.1 | 17 |
| 136 | Observation of the orbital quantum dynamics in the spin-12 hexagonal antiferromagnet Ba ₃ CuSb ₂ O ₉ . <i>Physical Review B</i> , 2015, 92, . Frustrated magnetism in the Heisenberg pyrochlore antiferromagnets \hat{I}_{\pm} | 1.1 | 17 |
| 137 | \hat{I}_{\pm} | | |

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|-----|--|-----|-----------|
| 145 | Orbital state and metal-insulator transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$ ($x=0.0$ and 0.09) studied by x-ray absorption spectroscopy. <i>Physical Review B</i> , 2004, 69, . | 1.1 | 15 |
| 146 | Electronic structure study of triangular lattices in FeGa_2S_4 , $\text{Fe}_2\text{Ga}_2\text{S}_5$, and NiGa_2S_4 : Photoemission spectroscopy and Hartree-Fock calculations. <i>Physical Review B</i> , 2009, 79, . | 1.1 | 15 |
| 147 | Structural properties of the two-dimensional triangular antiferromagnet $\text{NiGa}_{2-x}\text{Sr}_x\text{RuO}_4$. <i>Physical Review B</i> , 2009, 79, . | 1.1 | 15 |
| 148 | Evidence for an exotic magnetic transition in the triangular spin system FeGa_2S_4 . <i>Physical Review B</i> , 2012, 85, . | 1.1 | 15 |
| 149 | Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. <i>Physical Review Letters</i> , 2015, 115, 127202. | 2.9 | 15 |
| 150 | Field-Induced Switching of Ferro-Quadrupole Order Parameter in $\text{PrTi}_2\text{Al}_{20}$. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 084707. | 0.7 | 15 |
| 151 | Effect of sample size on anomalous Nernst effect in chiral antiferromagnetic Mn_3Sn devices. <i>Applied Physics Letters</i> , 2020, 116, . | 1.5 | 15 |
| 152 | Structural Aspects of Metamagnetism in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$: Evidence for Field Tuning of Orbital Occupation. <i>Physical Review Letters</i> , 2005, 95, 267403. | 2.9 | 14 |
| 153 | Synthesis and characterization of the quasi-two-dimensional triangular antiferromagnets $\text{Ni}_{1-x}\text{M}_x\text{Ga}_2\text{S}_4$ ($M=\text{Mn}, \text{Fe}, \text{Co}, \text{Zn}$). <i>Journal of Crystal Growth</i> , 2008, 310, 1881-1885. | 0.7 | 14 |
| 154 | Field-Induced Paramagnons at the Metamagnetic Transition of $\text{Ca}_{1.8}\text{Sr}_{0.2}\text{RuO}_4$. <i>Physical Review Letters</i> , 2007, 99, 217402. | 2.9 | 13 |
| 155 | Magnetoelastic Coupling Across the Metamagnetic Transition in $\text{Ca}_{2-x}\text{Sr}_x\text{RuO}_4$. <i>Physical Review Letters</i> , 2006, 96, 067201. | 0.6 | 13 |
| 156 | Crystal Growth, Structure, and Physical Properties of $\text{Ln}(\text{Cu}, \text{Ga})_{13-x}$ ($\text{Ln} = \text{La}^{\sim}\text{Nd}, \text{Eu}$; $x \leq 0.2$). <i>Chemistry of Materials</i> , 2009, 21, 3072-3078. | 3.2 | 13 |
| 157 | High-Resolution Synchrotron Studies and Magnetic Properties of Frustrated Antiferromagnets MAl_2S_4 ($M = \text{Mn}^{\sim}\text{Fe}^{\sim}\text{Co}^{\sim}$). <i>Physical Review B</i> , 2009, 79, 104407. | 3.2 | 13 |
| 158 | Spin dynamics and spin freezing in the triangular lattice antiferromagnets FeGa_2S_4 and NiGa_2S_4 . <i>Physical Review B</i> , 2012, 85, . | 1.1 | 13 |
| 159 | Correlation effects in Sr_2RuO_4 and Ca_2RuO_4 : Valence-band photoemission spectra and self-energy calculations. <i>Physical Review B</i> , 2004, 70, . | 1.1 | 12 |
| 160 | Pressure Dependence of Electrical Transport in the Triangular Antiferromagnetic Insulators FeGa_2S_4 and $\text{Fe}_2\text{Ga}_2\text{S}_5$. <i>Journal of the Physical Society of Japan</i> , 2009, 78, 094603. | 0.7 | 12 |
| 161 | Two-dimensional magnetism and spin-size effect in the $S=1$ triangular antiferromagnet NiGa_2S_4 . <i>Journal of Physics Condensed Matter</i> , 2011, 23, 164202. | 0.7 | 12 |
| 162 | Chemical effects of high-resolution YbL_{13-x} emission spectra: a possible probe for chemical analysis. <i>X-Ray Spectrometry</i> , 2013, 42, 450-455. | 0.9 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Magnetic Excitations across the Metal-Insulator Transition in the Pyrochlore Iridate Yb_2O_7 . <i>Physical Review Letters</i> , 2018, 120, 177203. | 2.9 | 11 |
| 164 | Synchrotron X-ray spectroscopy study on the valence state in $\hat{\Gamma}_2$ - and $\hat{\Gamma}_2$ -YbAlB ₄ at low temperatures and high magnetic fields. <i>Journal of the Korean Physical Society</i> , 2013, 62, 1778-1781. | 0.3 | 11 |
| 165 | Anomalous specific heat behaviour in the quadrupolar Kondo system $\text{PrV}_2\text{Al}_{20}$. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012023. | 0.3 | 11 |
| 166 | Field Evolution of Quantum Critical and Heavy Fermi-Liquid Components in the Magnetization of the Mixed Valence Compound $\hat{\Gamma}_2$ -YbAlB ₄ . <i>Journal of the Physical Society of Japan</i> , 2015, 84, 024710. | 0.7 | 11 |
| 167 | High Pressure Measurements of the Resistivity of $\hat{\Gamma}_2$ -YbAlB ₄ . <i>Journal of Physics: Conference Series</i> , 2015, 592, 012019. | 0.3 | 11 |
| 168 | Effect of Anisotropic Hybridization in YbAlB_4 by Linear Dichroism in Core-Level Hard X-Ray Photoemission Spectroscopy. <i>Physical Review Letters</i> , 2019, 123, 036404. | 2.9 | 11 |
| 169 | Unconventional free charge in the correlated semimetal Nd ₂ Ir ₂ O ₇ . <i>Nature Physics</i> , 2020, 16, 1194-1198. | 6.5 | 11 |
| 170 | Growth of Pr ₂ Ir ₂ O ₇ thin films using solid phase epitaxy. <i>Journal of Applied Physics</i> , 2020, 127, . | 1.1 | 11 |
| 171 | Large enhancement of the spin Hall effect in Mn metal by Sn doping. <i>Physical Review Materials</i> , 2018, 2, . | 0.9 | 11 |
| 172 | New Compounds Based on Pyrochlore Structure: R ₂ Nb ₂ O ₇ (R= Dy, Yb). <i>Journal of the Physical Society of Japan</i> , 2004, 73, 2829-2833. | 0.7 | 10 |
| 173 | Muons and frustrated magnetism in NiGa ₂ S ₄ and Pr ₂ Ir ₂ O ₇ . <i>Journal of Physics: Conference Series</i> , 2010, 225, 012031. | 0.3 | 10 |
| 174 | Single-crystal study on the low-temperature magnetism of the pyrochlore magnet Pr ₂ Zr ₂ O ₇ . <i>Journal of the Korean Physical Society</i> , 2013, 63, 719-721. | 0.3 | 10 |
| 175 | Magnetization and Specific Heat of the Cage Compound $\text{PrV}_2\text{Al}_{20}$. , 2014, , . | | 10 |
| 176 | Frustrated magnetism in a Mott insulator based on a transition metal chalcogenide. <i>Journal of Physics: Conference Series</i> , 2016, 683, 012025. | 0.3 | 10 |
| 177 | Lifetime-Broadening-Suppressed X-ray Absorption Spectrum of $\hat{\Gamma}_2$ -YbAlB ₄ Deduced from Yb $d_{3/2}$ Resonant X-ray Emission Spectroscopy. <i>Journal of the Physical Society of Japan</i> , 2017, 86, 014711. | 0.7 | 10 |
| 178 | Kondo hybridization and quantum criticality in $\hat{\Gamma}_2$ by laser ARPES. <i>Physical Review B</i> , 2018, 97, . | 1.4 | 10 |
| 179 | Spin-orbit torque switching of the antiferromagnetic state in polycrystalline Mn ₃ Sn/Cu/heavy metal heterostructures. <i>AIP Advances</i> , 2021, 11, . | 0.6 | 10 |
| 180 | X-ray study of ferroic octupole order producing anomalous Hall effect. <i>Nature Communications</i> , 2021, 12, 5582. | 5.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 181 | Anisotropic giant magnetoresistance near the Mott transition in pressurized CaMn_2P_2 . Physical Review B, 2009, 80, . | 1.1 | 9 |
| 182 | T/Scaling of magnetization in the mixed valent compound YbAlB_4 . Journal of Physics: Conference Series, 2012, 391, 012041. | 0.3 | 9 |
| 183 | Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202. | 2.9 | 9 |
| 184 | Impact of the Lattice on Magnetic Properties and Possible Spin Nematicity in the Triangular Antiferromagnet NiGa_2S_4 . Physical Review Letters, 2020, 125, 197201. | 2.9 | 9 |
| 185 | Unveiling Quadrupolar Kondo Effect in the Heavy Fermion Superconductor $\text{PrV}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2020, 89, 013704. | 0.7 | 9 |
| 186 | Low-Dimensional Structure and Magnetism of the Quantum Antiferromagnet $\text{Rb}_4\text{Cu}(\text{MoO}_4)_3$ and the Structure of $\text{Rb}_4\text{Zn}(\text{MoO}_4)_3$. Journal of the American Chemical Society, 2010, 132, 7055-7061. | 6.6 | 8 |
| 187 | Magnetization Anomaly due to the Non-Coplanar Spin Structure in NiS_2 . Journal of the Physical Society of Japan, 2015, 84, 053702. | 0.7 | 8 |
| 188 | Spin-orbital entangled liquid state in the copper oxide $\text{Ba}_3\text{CuSb}_2\text{O}_9$. Journal of Physics Condensed Matter, 2018, 30, 443002. | 0.7 | 8 |
| 189 | Giant Anisotropic Magnetoresistance due to Purely Orbital Rearrangement in the Quadrupolar Heavy Fermion Superconductor $\text{PrV}_2\text{Al}_{20}$. Physical Review Letters, 2019, 122, 256601. | 2.9 | 8 |
| 190 | Fabrication of polycrystalline Weyl antiferromagnetic Mn_3Sn thin films on various seed layers. Physical Review Materials, 2021, 5, . | 0.3 | 8 |
| 191 | Observation of spontaneous x-ray magnetic circular dichroism in a chiral antiferromagnet. Physical Review B, 2021, 104, . | 1.1 | 8 |
| 192 | Ferrimagnetic compensation and its thickness dependence in TbFeCo alloy thin films. Applied Physics Letters, 2022, 120, . | 1.5 | 8 |
| 193 | Thermal properties of the nonmagnetic cubic Ir^4 Kondo lattice systems $\text{Pr}_2\text{Al}_{20}$ ($\text{Ir} = \text{Ti}, \text{V}$). Journal of Physics: Conference Series, 2012, 391, 012058. | 0.3 | 7 |
| 194 | Intact quasiparticles at an unconventional quantum critical point. Physical Review B, 2015, 92, . | 1.1 | 7 |
| 195 | Single crystal ^{27}Al -NMR study of the cubic Ir^4 ground doublet system $\text{Pr}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2016, 683, 012016. | 0.3 | 7 |
| 196 | Scanning tunneling microscopy on cleaved $\text{Mn}_3\text{Sn}(0001)$ surface. Scientific Reports, 2019, 9, 9677. | 1.6 | 7 |
| 197 | Crystal Structure in Quadrupolar Kondo Candidate $\text{Pr}_2\text{Al}_{20}$ ($\text{Ir} = \text{Ti}$ and V). Journal of the Physical Society of Japan, 2019, 88, 015001. | 0.7 | 7 |
| 198 | Structural and magnetic properties of Mn_3Ge films with Pt and Ru seed layers. AIP Advances, 2020, 10, . | 0.6 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 199 | High-temperature antiferromagnetism in Yb based heavy fermion systems proximate to a Kondo insulator. Physical Review Research, 2021, 3, . | 1.3 | 7 |
| 200 | Importance of dynamic lattice effects for crystal field excitations in the quantum spin ice candidate $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2021, 104, . | 1.1 | 6 |
| 201 | Geometrical frustration and spin-liquid behavior of the metallic pyrochlore antiferromagnet. Journal of Magnetism and Magnetic Materials, 2007, 310, 1328-1330. | 1.0 | 6 |
| 202 | Slow inhomogeneous spin dynamics in the frustrated antiferromagnet. Journal of Magnetism and Magnetic Materials, 2007, 310, 1300-1302. | 1.0 | 6 |
| 203 | Low-temperature magnetization of the quantum critical heavy fermion superconductor YbAlB_4 . Physica Status Solidi (B): Basic Research, 2010, 247, 720-722. | 0.7 | 6 |
| 204 | Pronounced non-Fermi-liquid behavior of the quantum critical heavy fermion superconductor YbAlB_4 . Physica Status Solidi (B): Basic Research, 2010, 247, 485-489. | 0.7 | 6 |
| 205 | Separation between Low-Energy Hole Dynamics and Spin Dynamics in a Frustrated Magnet. Physical Review Letters, 2010, 104, 226404. | 2.9 | 6 |
| 206 | Local moment behaviors of the valence fluctuating systems YbAlB_4 and YbAlB_4 . Journal of Physics: Conference Series, 2011, 273, 012006. <i>Renormalization by spin-orbit interaction</i> $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 141 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nuclear | 0.3 | 6 |
| 207 | spin dynamics associated with antiferroquadrupolar order in YbAlB_4 . Journal of Physics: Conference Series, 2011, 273, 012006. $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 141 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nuclear | 1.1 | 6 |
| 208 | Antiferromagnetic transition of the caged compound $\text{TmTi}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2015, 592, 012052. | 0.3 | 6 |
| 209 | Pressure-induced magnetic transition exceeding 30 K in the Yb-based heavy-fermion YbAlB_4 . Physical Review B, 2016, 94, . | 1.1 | 6 |
| 210 | Elastic anomalies associated with two successive transitions of YbAlB_4 $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{ altimg="si0004.gif" overflow="scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 141 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nuclear probed by ultrasound measurements. Physica B: Condensed Matter, 2018, 536, 125-127. | 1.3 | 6 |
| 211 | Homogeneous reduced moment in a gapful scalar chiral kagome antiferromagnet. Physical Review B, 2019, 100, . | 1.1 | 6 |
| 212 | Strong magnetoelastic coupling in YbAlB_4 $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \text{Mn} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 141 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nuclear ($\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 217 Td}$ $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 141 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ nuclear) | 1.1 | 6 |
| 213 | Crystal growth, structure, and physical properties of $\text{Ln}(\text{Cu,Al})_{12}$ ($\text{Ln} = \text{Y, Ce, Pr, Sm, and Tj ETQq1 1 0.784314 rgBT /Overlock 066001}$). | 0.7 | 5 |
| 214 | Structure and Magnetism of the Quasi-1-d $\text{K}_4\text{Cu}(\text{MoO}_4)_3$ and the Structure of $\text{K}_4\text{Zn}(\text{MoO}_4)_3$. Inorganic Chemistry, 2011, 50, 8767-8773. | 1.9 | 5 |
| 215 | Structural, Magnetic, and Electrical Properties in the Metallic Pyrochlore $\text{Pr}_2\text{Ir}_2\text{O}_7$. Journal of Physics: Conference Series, 2012, 400, 032040. | 0.3 | 5 |
| 216 | Low temperature transport properties of the quadrupolar Kondo lattice system $\text{PrTi}_2\text{Al}_{20}$. Journal of the Korean Physical Society, 2013, 63, 398-400. | 0.3 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 217 | Conduction electron spin resonance in AlB_2 . Journal of Physics Condensed Matter, 2013, 25, 216001. | 0.7 | 5 |
| 218 | Heavy Fermion Superconductivity in Non-magnetic Cage Compound $\text{PrV}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2016, 683, 012013. | 0.3 | 5 |
| 219 | Pressure-Induced Local Structural Changes in Heavy Fermion $\hat{\Gamma}^2\text{-YbAlB}_4$. Journal of the Physical Society of Japan, 2016, 85, 023602. | 0.7 | 5 |
| 220 | Large spontaneous Hall effects in chiral topological magnets. Philosophical Magazine, 2017, 97, 2815-2827. | 0.7 | 5 |
| 221 | A tunable stress dilatometer and measurement of the thermal expansion under uniaxial stress of Mn_3Sn . Applied Physics Letters, 2020, 117, . | 1.5 | 5 |
| 222 | Low Gilbert damping in epitaxial thin films of the nodal-line semimetal $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{D} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:m} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{Fe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2021, 103, . | 1.1 | 5 |
| 223 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:m} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{Pr} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:m} \rangle$. Physical Review B, 2022, 105, . | 1.1 | 5 |
| 224 | Metamagnetic Transition in the Quasi-Two-Dimensional Mott Transition System $\text{Ca}_2\text{xSr}_x\text{RuO}_4$. Journal of Low Temperature Physics, 1999, 117, 1593-1597. | 0.6 | 4 |
| 225 | Thermodynamic properties of in magnetic fields. Physica B: Condensed Matter, 2006, 378-380, 497-498. | 1.3 | 4 |
| 226 | Crystal Growth, Transport, and Magnetic Properties of YbCoGa_5 . Crystal Growth and Design, 2009, 9, 1956-1959. | 1.4 | 4 |
| 227 | Unconventional spin freezing and fluctuations in the frustrated antiferromagnet NiGa_2S_4 . Journal of Physics: Conference Series, 2009, 145, 012040. | 0.3 | 4 |
| 228 | Low temperature magnetism of the metallic pyrochlore oxide $\text{Pr}_2\text{xIr}_2\text{xO}_7\hat{\Gamma}$. Journal of Physics: Conference Series, 2011, 320, 012079. | 0.3 | 4 |
| 229 | Spontaneous Hall Effect in the Spin Liquid Phase of $\text{Pr}_2\text{Ir}_2\text{O}_7$. Journal of Physics: Conference Series, 2011, 320, 012056. | 0.3 | 4 |
| 230 | Low Temperature Properties of the Cubic Kondo Lattice Systems $\text{SmTr}_2\text{Al}_2\text{O}$ (Tr= Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB049. | 0.7 | 4 |
| 231 | Shubnikov-de Haas Oscillation in the cubic $\hat{\Gamma}^3$ -based heavy fermion superconductor $\text{PrV}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2015, 592, 012026. | 0.3 | 4 |
| 232 | X-ray Absorption Spectroscopy in the Heavy Fermion Compound $\hat{\Gamma}^\pm\text{-YbAlB}_4$ at High Magnetic Fields. Journal of the Physical Society of Japan, 2015, 84, 114715. | 0.7 | 4 |
| 233 | High-Field Multi-Frequency ESR in the Rare-Earth Spinel Compound CdY_2S_4 . Applied Magnetic Resonance, 2015, 46, 993-996. | 0.6 | 4 |
| 234 | Large anomalous Hall effect in a non-collinear antiferromagnet at room temperature. Nature, 2016, 534, S5-S6. | 13.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 235 | Quantum criticality and inhomogeneous magnetic order in Fe-doped $\hat{A}^{\pm}\text{YbAlB}_4$. Physical Review B, 2016, 93, . | 1.1 | 4 |
| 236 | Relaxation calorimetry at very low temperatures for systems with internal relaxation. Review of Scientific Instruments, 2018, 89, 033908. | 0.6 | 4 |
| 237 | Inhomogeneous Kondo-lattice in geometrically frustrated $\text{Pr}_2\text{Ir}_2\text{O}_7$. Nature Communications, 2021, 12, 1377. | 5.8 | 4 |
| 238 | Monopolar and dipolar relaxation in spin ice $\text{Ho}_2\text{Ti}_2\text{O}_7$. Science Advances, 2021, 7, . | 4.7 | 4 |
| 239 | Simultaneous enhancements of thermopower and electrical conductivity in quasi-one-dimensional $\hat{A}^{\pm}\text{YbAlB}_4$ single crystal. Applied Physics Letters, 2021, 119, 223905. | 1.5 | 4 |
| 240 | Anomalous Hall effect in nanoscale structures of the antiferromagnetic Weyl semimetal Mn_3Sn at room temperature. Applied Physics Letters, 2022, 121, 013103. | 1.5 | 4 |
| 241 | Electron Spin Resonance in the Quasi-Two-Dimensional Triangular-Lattice Antiferromagnet $\text{Rb}_4\text{Mn}(\text{MoO}_4)_3$. Journal of the Physical Society of Japan, 2011, 80, 064705. | 0.7 | 3 |
| 242 | Magnetic properties of the quasi-two-dimensional antiferromagnet NiAl_2S_4 . Applied Physics Letters, 2011, 98, 082402. | 1.1 | 3 |
| 243 | High Magnetic Transition Temperature and Semiconductor like Transport Properties of Mn-doped $\hat{A}^{\pm}\text{YbAlB}_4$. Journal of Physics: Conference Series, 2016, 683, 012009. | 0.3 | 3 |
| 244 | Experimental exploration of novel semimetal state in strong anisotropic Pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$ under high magnetic field. Journal of Physics: Conference Series, 2016, 683, 012024. | 0.3 | 3 |
| 245 | Site-selective ^{11}B NMR studies on YbAlB_4 . Journal of Physics: Conference Series, 2016, 683, 012008. | 0.3 | 3 |
| 246 | Strong orbital fluctuations in multipolar ordered states of $\text{PrV}_2\text{Al}_{20}$. Journal of Magnetism and Magnetic Materials, 2016, 400, 66-69. | 1.0 | 3 |
| 247 | Valence fluctuating compound $\hat{A}^{\pm}\text{YbAlB}_4$ studied by ^{174}Yb Mössbauer spectroscopy and X-ray diffraction using synchrotron radiation. Physica B: Condensed Matter, 2018, 536, 162-164. | 1.3 | 3 |
| 248 | Logarithmic criticality in transverse thermoelectric conductivity of the ferromagnetic topological semimetal CoMnSb . Physical Review B, 2021, 104, . | 1.1 | 3 |
| 249 | Kondo Lattice Behavior in the Valence Fluctuating Systems \hat{A}^{\pm} - and \hat{I}^2 - YbAlB_4 . Journal of the Physical Society of Japan, 2011, 80, SA090. | 0.7 | 2 |
| 250 | Mössbauer spectroscopy of Fe-doped valence-fluctuating $\hat{A}^{\pm}\text{YbAlB}_4$. Journal of the Korean Physical Society, 2013, 62, 2146-2149. | 0.3 | 2 |
| 251 | Magnetic order induced by Fe doping in the intermediate valence system \hat{I}^2 - YbAlB_4 . Journal of the Korean Physical Society, 2013, 63, 549-550. | 0.3 | 2 |
| 252 | Suppression of the Heavy Fermion State in Magnetic Fields in the Mixed Valent $\hat{A}^{\pm}\text{YbAlB}_4$. , 2014, . | | 2 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 253 | Unconventional Quantum Criticality in \hat{I}^2 -YbAlB ₄ Detached from Its Magnetically Ordered Phase. Physics Procedia, 2015, 75, 482-487. | 1.2 | 2 |
| 254 | Conduction electron spin resonance in the \hat{I}^{\pm} -Yb _{1-x} FexAlB ₄ (0 ≤ x ≤ 0.50) and \hat{I}^{\pm} -LuAlB ₄ compounds. Journal of Physics Condensed Matter, 2015, 27, 255601. | 0.7 | 2 |
| 255 | Magnetic Order in the Frustrated Ising Quasi-One Dimensional Compound NaCo(acac) ₃ ·Benzene. Journal of the Physical Society of Japan, 2015, 84, 084708. | 0.7 | 2 |
| 256 | Anisotropic Thermal Expansion of \hat{I}^{\pm} -YbAlB ₄ . Journal of Physics: Conference Series, 2017, 807, 022005. | 0.3 | 2 |
| 257 | Neutron Scattering Study in Breathing Pyrochlore Antiferromagnet Ba ₃ Yb ₂ Zn ₅ O ₁₁ . Journal of Physics: Conference Series, 2017, 828, 012018. | 0.3 | 2 |
| 258 | Magnetization and Thermal Expansion Properties of Quantum Spin Ice Candidate Pr ₂ Zr ₂ O ₇ . , 2020, , . | | 2 |
| 259 | Crystal Structure and Magnetic Properties of the Ferromagnet CoMnSb. , 2020, , . | | 2 |
| 260 | Spin-orbital liquid in Ba ₃ CuSb ₂ O ₉ stabilized by oxygen holes. Physical Review Materials, 2021, 5, . | 0.9 | 2 |
| 261 | Magnetic field tuning of valley population in the Weyl phase of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{Nd} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mathvariant="normal"} \rangle \text{O} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle . \text{Physical Review Research, 2022, 4, .}$ | 1.3 | 2 |
| 262 | Ferromagnetic Correlations in Ca-Doped Sr ₂ RuO ₄ : ⁸⁷ Sr NMR Study. Journal of Low Temperature Physics, 2003, 131, 1227-1236. | 0.6 | 1 |
| 263 | Crystal Distortion of Dy ₂ Ti ₂ O ₇ at the Spin Ice Transition Temperature. AIP Conference Proceedings, 2006, , . | 0.3 | 1 |
| 264 | Publisher's Note: Field-Induced Paramagnons at the Metamagnetic Transition of Ca _{1.8} Sr _{0.2} RuO ₄ [Phys. Rev. Lett. 99, 217402 (2007)]. Physical Review Letters, 2007, 99, . | 2.9 | 1 |
| 265 | Extended Drude model analysis on multiband Ca _{2-x} Sr _x RuO ₄ compounds. Physica C: Superconductivity and Its Applications, 2007, 460-462, 516-517. | 0.6 | 1 |
| 266 | High-Field and Multifrequency ESR in the Two-Dimensional Triangular Lattice Antiferromagnet NiGa ₂ S ₄ . Applied Magnetic Resonance, 2009, 36, 285-289. | 0.6 | 1 |
| 267 | Anisotropic Electrical Transport in the Heavy Fermion Compound \hat{I}^{\pm} -YbAlB ₄ . Journal of the Physical Society of Japan, 2011, 80, SA089. | 0.7 | 1 |
| 268 | Low-temperature thermal transport coefficients of heavy fermion \hat{I}^2 -YbAlB ₄ . Journal of Physics: Conference Series, 2011, 273, 012005. | 0.3 | 1 |
| 269 | Field Dependence of the Specific Heat in a Heavy-Fermion Superconductor CeIrIn ₅ . Journal of the Physical Society of Japan, 2012, 81, SB014. | 0.7 | 1 |
| 270 | Microscopic Evidence for Long-Range Magnetic Ordering in the \hat{I}^8 Ground Quartet Systems SmTr ₂ Al ₂₀ (Tr: Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB050. | 0.7 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 271 | Shubnikov-de Haas oscillations in the heavy fermion $\hat{\pm}$ -YbAlB ₄ . Journal of Physics: Conference Series, 2012, 391, 012053. | 0.3 | 1 |
| 272 | Magnetization of Yb-Based Mixed-Valent Compounds at Megagauss Fields. , 2014, , . | | 1 |
| 273 | Magnetic and Thermal Properties of the Single Crystalline Pr ₂ Zr ₂ O ₇ in a [111] Field. , 2014, , . | | 1 |
| 274 | Structural and Magnetic Properties of $\hat{\pm}$ -Yb(Al _{1-x} Fe _x)B ₄ under Hydrostatic Pressure. , 2014, , . | | 1 |
| 275 | Anisotropic transverse magnetoresistivity in $\hat{\pm}$ -YbAlB ₄ . Journal of Physics: Conference Series, 2015, 592, 012086. | 0.3 | 1 |
| 276 | Synchrotron X-ray spectroscopy study on the valence state and magnetization in $\hat{\pm}$ -YbAl _{1-x} Fe _x B ₄ (x = 0, 0.1, 0.2, 0.3, 0.4, 0.5, 0.6, 0.7, 0.8, 0.9, 1.0). Journal of Physics: Conference Series, 2020, 1202, 012020. | 0.3 | 1 |
| 277 | Low-temperature thermal expansion measurements in PrV ₂ Al ₂₀ . Journal of Physics: Conference Series, 2016, 683, 012014. | 0.3 | 1 |
| 278 | Very Low Temperature Magnetoresistance in the Quadrupole Ordered System PrV ₂ Al ₂₀ . Journal of Physics: Conference Series, 2016, 683, 012012. | 0.3 | 1 |
| 279 | Linear polarization-dependent core-level photoemission spectroscopy in Yb-based valence fluctuating system. Journal of Electron Spectroscopy and Related Phenomena, 2020, 238, 146889. | 0.8 | 1 |
| 280 | Large Nernst Effect and Thermodynamics Properties in Weyl Antiferromagnet. , 2020, , . | | 1 |
| 281 | 6-GHz lattice response in a quantum spin-orbital liquid probed by time-resolved resonant x-ray scattering. Physical Review B, 2021, 104, . | 1.1 | 1 |
| 282 | Anomalous transport properties of the antiferromagnetic Weyl semimetals Mn ₃ X (X = Sn,) Tj ETQq0 0 0 rgBT /Overlock 10 T | 0.3 | 1 |
| 283 | Anisotropy-driven quantum criticality in an intermediate valence system. Nature Communications, 2022, 13, 2141. | 5.8 | 1 |
| 284 | FERROMAGNETIC AND STRUCTURAL INSTABILITIES IN Ca _{2-x} Sr _x RuO ₄ . International Journal of Modern Physics B, 2002, 16, 3273-3278. | 1.0 | 0 |
| 285 | Neutron-diffraction study of the crystal structure of Ca _{1.5} Sr _{0.5} RuO ₄ . Applied Physics A: Materials Science and Processing, 2002, 74, s1627-s1629. | 1.1 | 0 |
| 286 | The phase-diagram of Ca _{2-x} Sr _x RuO ₄ : Relation between crystal distortions and physical properties. Materials Research Society Symposia Proceedings, 2004, 840, Q4.1.1. | 0.1 | 0 |
| 287 | Field induced metastabilities in U(Ru _{0.96} Rh _{0.04}) ₂ Si ₂ . Physica C: Superconductivity and Its Applications, 2007, 460-462, 682-683. | 0.6 | 0 |
| 288 | Electron spin resonance in a new triangular-lattice Mn layered oxide. Journal of Physics: Conference Series, 2010, 200, 012231. | 0.3 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 289 | Thermoelectric Coefficients of the Quantum Critical $\hat{\Gamma}^2$ -YbAlB ₄ . Journal of the Physical Society of Japan, 2011, 80, SA088. Publisher's Note: Neutron-Scattering Measurement of Incommensurate Short-Range Order in Single Crystals of the $S₁$ Triangular Antiferromagnet | 0.7 | 0 |
| 290 | display="inline"><mml:mi>S</mml:mi><mml:mo><mml:mn>1</mml:mn></mml:math>Triangular Antiferromagnet | 2.9 | 0 |
| 291 | display="inline"><mml:msub><mml:mi>NiGa</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>X-ray Photoemission and X-ray Absorption Spectroscopy of Hexagonal Ba₃CuSb₂O₉. , 2014, , . | | 0 |
| 292 | Superconducting Properties of the Ferroquadrupolar Cubic $\hat{\Gamma}^3$ Compound PrTi ₂ Al ₂₀ . , 2014, , . | | 0 |
| 293 | Magnetic and Transport Properties of Frustrated $\hat{\Gamma}^3$ -MnPd alloys. Journal of Physics: Conference Series, 2016, 683, 012026. | 0.3 | 0 |
| 294 | Multiband electronic transport in $\hat{\Gamma}^2$ -YbAlB ₄ [1±] single crystals. Journal of Physics Condensed Matter, 2016, 28, 425602. | | 0 |
| 295 | Quantum Criticality Beneath the Superconducting Dome in $\hat{\Gamma}^2$ -YbAlB ₄ . Journal of Physics: Conference Series, 2016, 683, 012007. | 0.3 | 0 |
| 296 | Specific heat and electrical resistivity at magnetic fields in antiferromagnetic heavy fermion CeAl ₂ . Journal of Physics: Conference Series, 2017, 807, 012011. | 0.3 | 0 |
| 297 | Temperature Dependent Raman Studies of Pr ₂ Zr ₂ O ₇ Single Crystal. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012051. | 0.3 | 0 |
| 298 | Anomalous Nernst effect related to magnetic domains in a microfabricated thermoelectric element made of noncollinear antiferromagnet Mn ₃ Sn. , 2018, , . | | 0 |
| 299 | Crystal Structure and Magnetic Properties of Non-Stoichiometric Co ₂ MnGa Heusler Alloy. Materials Science Forum, 2019, 966, 319-324. | 0.3 | 0 |
| 300 | Strong in-plane anisotropy in the electronic structure of fixed-valence $\hat{\Gamma}^2$ -LuAlB ₄ . Physical Review B, 2020, 102, . | 1.1 | 0 |
| 301 | Sample Quality Dependence of the Magnetic Properties in Non-Collinear Antiferromagnet Mn ₃ Sn. , 2020, , . | | 0 |
| 302 | Anomalous Transport Properties of Pyrochlore Iridates. Springer Series in Solid-state Sciences, 2021, , 399-418. | 0.3 | 0 |
| 303 | FERROMAGNETIC AND STRUCTURAL INSTABILITIES IN Ca _{2-x} Sr _x RuO ₄ . , 2002, , . | | 0 |
| 304 | Sample Dependence of the Quadrupolar Transition in the Nonmagnetic Cubic $\hat{\Gamma}^3$ Compound PrV ₂ Al ₂₀ . , 2014, , . | | 0 |
| 305 | Electronic Structure of Quantum Spin-Liquid Compound Ba ₃ CuSb ₂ O ₉ . , 2014, , . | | 0 |
| 306 | Room-Temperature Large Terahertz Anomalous Hall Effect in Weyl Antiferromagnet Mn ₃ Sn Thin Film. , 2020, , . | | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|----|-----------|
| 307 | Extracting the Chiral Contribution to the Negative Longitudinal Magnetoresistance in Epitaxial Pr ₂ Ir ₂ O ₇ Thin Films. , 2020, , . | | 0 |
| 308 | Pressure-induced changes of valence fluctuation in PrO_2 probed by x-ray absorption spectroscopy. Physical Review B, 2022, 105, . | | |