

Satoru Nakatsuji

List of Publications by Year in descending order

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308
papers

14,564
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317
docs citations

317
times ranked

7336
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----------|-----------|
| 1 | Topological Magnets: Functions Based on Berry Phase and Multipoles. Annual Review of Condensed Matter Physics, 2022, 13, 119-142. | 14.5 | 31 |
| 2 | Large anomalous Nernst effect and nodal plane in an iron-based kagome ferromagnet. Science Advances, 2022, 8, eabk1480. | 10.3 | 35 |
| 3 | Ferrimagnetic compensation and its thickness dependence in TbFeCo alloy thin films. Applied Physics Letters, 2022, 120, . | 3.3 | 8 |
| 4 | Phonon spectrum of Mn_2O_7 and Mn_3O_4 . Physical Review B, 2022, 105, . | 3.2 | 5 |
| 5 | Anomalous transport properties of the antiferromagnetic Weyl semimetals Mn_3X ($\text{X} = \text{Sn}, \text{Tl}$). Physical Review B, 2022, 104, 040401. | 10.784314 | 104 |
| 6 | Anomalous Hall antiferromagnets. Nature Reviews Materials, 2022, 7, 482-496. | 48.7 | 93 |
| 7 | Magnetic field tuning of valley population in the Weyl phase of Nd_2O_7 . Physical Review Research, 2022, 4, . | 3.6 | 2 |
| 8 | Pressure-induced changes of valence fluctuation in Mn_2O_7 probed by x-ray absorption spectroscopy. Physical Review B, 2022, 105, . | 10.784314 | 104 |
| 9 | Anisotropy-driven quantum criticality in an intermediate valence system. Nature Communications, 2022, 13, 2141. | 12.8 | 1 |
| 10 | Strong magnetoelastic coupling in Mn_3O_4 (Mn_3O_4). Nature Communications, 2022, 13, 2141. | 12.8 | 1 |
| 11 | Anomalous Hall effect in nanoscale structures of the antiferromagnetic Weyl semimetal Mn_3Sn at room temperature. Applied Physics Letters, 2022, 121, 013103. | 3.3 | 4 |
| 12 | Omnidirectional Control of Large Electrical Output in a Topological Antiferromagnet. Advanced Functional Materials, 2021, 31, 2008971. | 14.9 | 26 |
| 13 | Nodeless kagome superconductivity in LaRu_3Mn_2 . Physical Review Materials, 2021, 5, . | 12.4 | 17 |
| 14 | Inhomogeneous Kondo-lattice in geometrically frustrated $\text{Pr}_2\text{Ir}_2\text{O}_7$. Nature Communications, 2021, 12, 1377. | 12.8 | 4 |
| 15 | Low Gilbert damping in epitaxial thin films of the nodal-line semimetal D_3FeGa_5 . Physical Review B, 2021, 103, . | 3.2 | 5 |
| 16 | Large Hall Signal due to Electrical Switching of an Antiferromagnetic Weyl Semimetal State. Small Science, 2021, 1, 2000025. | 9.9 | 16 |
| 17 | Giant Effective Damping of Octupole Oscillation in an Antiferromagnetic Weyl Semimetal. Small Science, 2021, 1, 2000062. | 9.9 | 20 |
| 18 | Spin-orbit torque switching of the antiferromagnetic state in polycrystalline $\text{Mn}_3\text{Sn}/\text{Cu}$ /heavy metal heterostructures. AIP Advances, 2021, 11, . | 1.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | Fabrication of polycrystalline Weyl antiferromagnetic thin films on various seed layers. Physical Review Materials, 2021, 5, . | 2.3 | 3 |
| 20 | High-temperature antiferromagnetism in Yb based heavy fermion systems proximate to a Kondo insulator. Physical Review Research, 2021, 3, . | 3.6 | 7 |
| 21 | Monopolar and dipolar relaxation in spin ice Ho ₂ Ti ₂ O ₇ . Science Advances, 2021, 7, . | 10.3 | 4 |
| 22 | Spin-orbital liquid in Ba ₃ CuSb ₂ O ₉ stabilized by oxygen holes. Physical Review Materials, 2021, 5, . | 2.4 | 2 |
| 23 | Importance of dynamic lattice effects for crystal field excitations in the quantum spin ice candidate Pr ₂ O ₇ . Physical Review B, 2021, 104, . | 3.2 | 2 |
| 24 | X-ray study of ferroic octupole order producing anomalous Hall effect. Nature Communications, 2021, 12, 5582. | 12.8 | 10 |
| 25 | Anomalous transport due to Weyl fermions in the chiral antiferromagnets Mn ₃ X, X=Sn, Ge. Nature Communications, 2021, 12, 572. | 12.8 | 90 |
| 26 | Anomalous Transport Properties of Pyrochlore Iridates. Springer Series in Solid-state Sciences, 2021, , 399-418. | 0.3 | 0 |
| 27 | Logarithmic criticality in transverse thermoelectric conductivity of the ferromagnetic topological semimetal CoMnSb. Physical Review B, 2021, 104, . | 3.2 | 3 |
| 28 | Observation of spontaneous x-ray magnetic circular dichroism in a chiral antiferromagnet. Physical Review B, 2021, 104, . | 3.2 | 8 |
| 29 | 6-GHz lattice response in a quantum spin-orbital liquid probed by time-resolved resonant x-ray scattering. Physical Review B, 2021, 104, . | 3.2 | 1 |
| 30 | Giant field-like torque by the out-of-plane magnetic spin Hall effect in a topological antiferromagnet. Nature Communications, 2021, 12, 6491. | 12.8 | 41 |
| 31 | Simultaneous enhancements of thermopower and electrical conductivity in quasi-one-dimensional $\hat{\Gamma}_2$ -YbAlB ₄ single crystal. Applied Physics Letters, 2021, 119, 223905. | 3.3 | 4 |
| 32 | Linear polarization-dependent core-level photoemission spectroscopy in Yb-based valence fluctuating system. Journal of Electron Spectroscopy and Related Phenomena, 2020, 238, 146889. | 1.7 | 1 |
| 33 | Many-Body Resonance in a Correlated Topological Kagome Antiferromagnet. Physical Review Letters, 2020, 125, 046401. | 7.8 | 24 |
| 34 | Strong in-plane anisotropy in the electronic structure of fixed-valence $\hat{\Gamma}_2$ -LuAlB ₄ . Physical Review B, 2020, 102, . | 3.2 | 0 |
| 35 | Antichiral spin order, its soft modes, and their hybridization with phonons in the topological semimetal Mn ₃ Sb. Physical Review B, 2020, 102, . | 3.2 | 29 |
| 36 | Impact of the Lattice on Magnetic Properties and Possible Spin Nematicity in the Triangular Antiferromagnet NiGa ₂ S ₄ . Physical Review Letters, 2020, 125, 197201. | 7.8 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Extracting the Chiral Contribution to the Negative Longitudinal Magnetoresistance in Epitaxial Pr_2O_7 Thin Films. , 2020, , | | 0 |
| 56 | Homogeneous reduced moment in a gapful scalar chiral kagome antiferromagnet. Physical Review B, 2019, 100, . | 3.2 | 6 |
| 57 | Crystal Structure and Magnetic Properties of Non-Stoichiometric Co_2MnGa Heusler Alloy. Materials Science Forum, 2019, 966, 319-324. | 0.3 | 0 |
| 58 | Scanning tunneling microscopy on cleaved Mn_3Sn (0001) surface. Scientific Reports, 2019, 9, 9677. | 3.3 | 7 |
| 59 | Effect of Anisotropic Hybridization in YbAlB_4 by Linear Dichroism in Core-Level Hard X-Ray Photoemission Spectroscopy. Physical Review Letters, 2019, 123, 036404. | 7.8 | 11 |
| 60 | Terahertz conductivity of the magnetic Weyl semimetal Mn_3Sn films. Applied Physics Letters, 2019, 115, . | 3.3 | 26 |
| 61 | Field-Induced Switching of Ferro-Quadrupole Order Parameter in $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2019, 88, 084707. | 1.6 | 15 |
| 62 | Unveiling hidden multipolar orders with magnetostriction. Nature Communications, 2019, 10, 4092. | 12.8 | 33 |
| 63 | Giant Anisotropic Magnetoresistance due to Purely Orbital Rearrangement in the Quadrupolar Heavy Fermion Superconductor PrV_2Mn_2 . Physical Review Letters, 2019, 122, 256601. | 7.8 | 8 |
| 64 | Evaluation of spin diffusion length and spin Hall angle of the antiferromagnetic Weyl semimetal Mn_3Sn . Physical Review B, 2019, 99, . | 3.2 | 47 |
| 65 | 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. | 7.1 | 37 |
| 66 | Energy-harvesting materials based on the anomalous Nernst effect. Science and Technology of Advanced Materials, 2019, 20, 262-275. | 6.1 | 122 |
| 67 | Crystal Structure in Quadrupolar Kondo Candidate $\text{Pr}_2\text{Ti}_2\text{Al}_{20}$ ($\text{Ti} = \text{Ti}$ and V). Journal of the Physical Society of Japan, 2019, 88, 015001. | 1.6 | 7 |
| 68 | Magnetic and magnetic inverse spin Hall effects in a non-collinear antiferromagnet. Nature, 2019, 565, 627-630. | 27.8 | 252 |
| 69 | Quantum valence criticality in a correlated metal. Science Advances, 2018, 4, eaao3547. | 10.3 | 28 |
| 70 | Relaxation calorimetry at very low temperatures for systems with internal relaxation. Review of Scientific Instruments, 2018, 89, 033908. | 1.3 | 4 |
| 71 | Large magneto-optical Kerr effect and imaging of magnetic octupole domains in an antiferromagnetic metal. Nature Photonics, 2018, 12, 73-78. | 31.4 | 260 |
| 72 | Elastic anomalies associated with two successive transitions of Pr_2Mn_2 probed by ultrasound measurements. Physica B: Condensed Matter, 2018, 536, 125-127. | 2.7 | 6 |

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|----|---|------|-----------|
| 73 | Kondo hybridization and quantum criticality in La_2CuO_4 by laser ARPES. Physical Review B, 2018, 97, . | 3.2 | 10 |
| 74 | Magnetic Excitations across the Metal-Insulator Transition in the Pyrochlore Iridate $\text{Yb}_2\text{Ti}_2\text{O}_7$. Physical Review Letters, 2018, 120, 177203. | 7.2 | 12 |
| 75 | Valence fluctuating compound YbAlB_4 studied by ^{174}Yb Mössbauer spectroscopy and X-ray diffraction using synchrotron radiation. Physica B: Condensed Matter, 2018, 536, 162-164. | 2.7 | 3 |
| 76 | Anomalous Nernst effect related to magnetic domains in a microfabricated thermoelectric element made of noncollinear antiferromagnet Mn_3Sn . , 2018, , . | | 0 |
| 77 | Anomalous Hall effect in thin films of the Weyl antiferromagnet Mn_3Sn . Applied Physics Letters, 2018, 113, . | 3.3 | 97 |
| 78 | 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. | 1.8 | 8 |
| 79 | Discovery of Emergent Photon and Monopoles in a Quantum Spin Liquid. Journal of the Physical Society of Japan, 2018, 87, 064702. | 1.6 | 17 |
| 80 | Universal geometric frustration in pyrochlores. Nature Communications, 2018, 9, 2619. | 12.8 | 64 |
| 81 | Giant anomalous Nernst effect and quantum-critical scaling in a ferromagnetic semimetal. Nature Physics, 2018, 14, 1119-1124. | 16.7 | 366 |
| 82 | Large enhancement of the spin Hall effect in Mn metal by Sn doping. Physical Review Materials, 2018, 2, . | 2.4 | 11 |
| 83 | Disordered Route to the Coulomb Quantum Spin Liquid: Random Transverse Fields on Spin Ice $\text{Pr}_2\text{Zr}_2\text{O}_7$. Physical Review Letters, 2017, 118, 107206. | 7.3 | 13 |
| 84 | Orthogonal magnetization and symmetry breaking in pyrochlore iridate $\text{Eu}_2\text{Ir}_2\text{O}_7$. Nature Physics, 2017, 13, 599-603. | 16.7 | 27 |
| 85 | Lifetime-Broadening-Suppressed X-ray Absorption Spectrum of $\text{Yb}_3\text{P}_2\text{O}_{11}$ Resonant X-ray Emission Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 014711. | 1.6 | 10 |
| 86 | Specific heat and electrical resistivity at magnetic fields in antiferromagnetic heavy fermion CeAl_2 . Journal of Physics: Conference Series, 2017, 807, 012011. | 0.4 | 0 |
| 87 | Evidence for magnetic Weyl fermions in a correlated metal. Nature Materials, 2017, 16, 1090-1095. | 27.5 | 450 |
| 88 | Temperature Dependent Raman Studies of $\text{Pr}_2\text{Zr}_2\text{O}_7$ Single Crystal. IOP Conference Series: Materials Science and Engineering, 2017, 196, 012051. | 0.6 | 0 |
| 89 | Large anomalous Nernst effect at room temperature in a chiral antiferromagnet. Nature Physics, 2017, 13, 1085-1090. | 16.7 | 432 |
| 90 | Thermal Hall Effect in a Phonon-Glass $\text{Ba}_3\text{V}_2\text{O}_9$. Physical Review Letters, 2017, 118, 145902. | 7.8 | 59 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 91 | Large spontaneous Hall effects in chiral topological magnets. Philosophical Magazine, 2017, 97, 2815-2827. | 1.6 | 5 |
| 92 | Anomalous Nernst effect in a microfabricated thermoelectric element made of chiral antiferromagnet Mn ₃ Sn. Applied Physics Letters, 2017, 111, . Emulated magnetism in the Heisenberg pyrochlore antiferromagnets <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>A</mml:mi><mml:msub><mml:mi>Yb</mml:mi><mml: | | |
| 93 | | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | Giant Anomalous Hall Effect in the Chiral Antiferromagnet Mn_3Ge . Physical Review Applied, 2016, 5, . | 3.8 | 249 |
| 110 | Quantum criticality and inhomogeneous magnetic order in Fe-doped $\hat{I}^2\text{YbAlB}_4$. Physical Review B, 2016, 93, . | 3.2 | 4 |
| 111 | Low-energy excitations and ground-state selection in the quantum breathing pyrochlore antiferromagnet $\text{Ba}_3\text{Mn}_2\text{O}_{11}$. Physical Review B, 2016, 93, . | 3.2 | 20 |
| 112 | Chemical and orbital fluctuations in $\text{Ba}_3\text{Mn}_2\text{O}_{11}$. Physical Review B, 2016, 93, . | 3.2 | 20 |
| 113 | Dimensional Reduction in Quantum Dipolar Antiferromagnets. Physical Review Letters, 2016, 116, 197202. | 7.8 | 9 |
| 114 | Multiband electronic transport in YbAlB_4 single crystals. Journal of Physics Condensed Matter, 2016, 28, 425602. | 1.9 | 3 |
| 115 | NMR Observation of Ferro-Quadrupole Order in $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2016, 85, 113703. | 1.6 | 23 |
| 116 | Pressure-induced magnetic transition exceeding 30 K in the Yb-based heavy-fermion $\hat{I}^2\text{YbAlB}_4$. Physical Review B, 2016, 94, . | 3.2 | 6 |
| 117 | Strong orbital fluctuations in multipolar ordered states of $\text{PrV}_2\text{Al}_{20}$. Journal of Magnetism and Magnetic Materials, 2016, 400, 66-69. | 2.3 | 3 |
| 118 | Quantum Criticality Beneath the Superconducting Dome in $\hat{I}^2\text{YbAlB}_4$. Journal of Physics: Conference Series, 2016, 683, 012007. | 0.4 | 0 |
| 119 | Field-induced quantum metal-insulator transition in the pyrochlore iridate $\text{Nd}_2\text{Ir}_2\text{O}_7$. Nature Physics, 2016, 12, 134-138. | 16.7 | 109 |
| 120 | Unconventional Quantum Criticality in $\hat{I}^2\text{YbAlB}_4$ Detached from Its Magnetically Ordered Phase. Physics Procedia, 2015, 75, 482-487. | 1.2 | 2 |
| 121 | Field-induced quadrupolar quantum criticality in $\text{PrV}_2\text{Al}_{20}$. Physical Review B, 2015, 91, . | 3.2 | 30 |
| 122 | Unstable spin-ice order in the stuffed metallic pyrochlore $\text{Pr}_2\text{Mn}_7\text{O}_{23}$. Physical Review B, 2015, 92, . | 3.2 | 23 |
| 123 | Large trigonal-field effect on spin-orbit coupled states in a pyrochlore iridate. Physical Review B, 2015, 92, . | 3.2 | 22 |
| 124 | Observation of the orbital quantum dynamics in the spin-12 hexagonal antiferromagnet $\text{Ba}_3\text{CuSb}_2\text{O}_9$. Physical Review B, 2015, 92, . | 3.2 | 17 |
| 125 | Optical evidence for a Weyl semimetal state in pyrochlore $\text{Eu}_2\text{Mn}_7\text{O}_{23}$. Physical Review B, 2015, 92, . | 3.2 | 151 |
| 126 | Intact quasiparticles at an unconventional quantum critical point. Physical Review B, 2015, 92, . | 3.2 | 7 |

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|-----|--|------|-----------|
| 127 | Contribution on hyperfine-enhanced nuclear spin dynamics associated with antiferroquadrupolar order in nuclear spin dynamics associated with antiferroquadrupolar order in | 3.2 | 6 |
| 128 | Anomalous Enhancement of Seebeck Coefficient in Pr-Based 1-2-20 System with Non-Kramers Doublet Ground States. Journal of Physics: Conference Series, 2015, 592, 012025. | 0.4 | 18 |
| 129 | Antiferromagnetic transition of the caged compound $\text{TmTi}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2015, 592, 012052. | 0.4 | 6 |
| 130 | Anomalous specific heat behaviour in the quadrupolar Kondo system $\text{PrV}_2\text{Al}_{20}$. Journal of Physics: Conference Series, 2015, 592, 012023. | 0.4 | 11 |
| 131 | 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. | 0.4 | 4 |
| 132 | Anisotropic transverse magnetoresistivity in $\hat{\Gamma}^4$ - YbAlB_4 . Journal of Physics: Conference Series, 2015, 592, 012086. | 0.4 | 1 |
| 133 | Synchrotron X-ray spectroscopy study on the valence state and magnetization in $\hat{\Gamma}^4$ - $\text{YbAl}_{1-x}\text{FexB}_4$ ($x = 0.1$). Journal of Physics: Conference Series, 2015, 592, 012020. | 0.4 | 1 |
| 134 | Quadratic Fermi node in a 3D strongly correlated semimetal. Nature Communications, 2015, 6, 10042. | 12.8 | 145 |
| 135 | X-ray Absorption Spectroscopy in the Heavy Fermion Compound $\hat{\Gamma}^4$ - YbAlB_4 at High Magnetic Fields. Journal of the Physical Society of Japan, 2015, 84, 114715. | 1.6 | 4 |
| 136 | High-Field Multi-Frequency ESR in the Rare-Earth Spinel Compound CdYb_2S_4 . Applied Magnetic Resonance, 2015, 46, 993-996. | 1.2 | 4 |
| 137 | Absence of Jahn-Teller transition in the hexagonal $\text{Ba}_3\text{CuSb}_2\text{O}_9$ single crystal. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9305-9309. | 7.1 | 30 |
| 138 | Strange metal without magnetic criticality. Science, 2015, 349, 506-509. | 12.6 | 69 |
| 139 | Field Evolution of Quantum Critical and Heavy Fermi-Liquid Components in the Magnetization of the Mixed Valence Compound $\hat{\Gamma}^4$ - YbAlB_4 . Journal of the Physical Society of Japan, 2015, 84, 024710. | 1.6 | 11 |
| 140 | High Pressure Measurements of the Resistivity of $\hat{\Gamma}^4$ - YbAlB_4 . Journal of Physics: Conference Series, 2015, 592, 012019. | 0.4 | 11 |
| 141 | Large anomalous Hall effect in a non-collinear antiferromagnet at room temperature. Nature, 2015, 527, 212-215. | 27.8 | 1,009 |
| 142 | Magnetization Anomaly due to the Non-Coplanar Spin Structure in NiS_2 . Journal of the Physical Society of Japan, 2015, 84, 053702. | 1.6 | 8 |
| 143 | Conduction electron spin resonance in the $\hat{\Gamma}^4$ - $\text{Yb}_{1-x}\text{FexAlB}_4$ ($0 \leq x \leq 0.50$) and $\hat{\Gamma}^4$ - LuAlB_4 compounds. Journal of Physics Condensed Matter, 2015, 27, 255601. | 1.8 | 2 |
| 144 | Spin Fluctuations from Hertz to Terahertz on a Triangular Lattice. Physical Review Letters, 2015, 115, 127202. | 7.8 | 15 |

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|-----|--|------|-----------|
| 163 | Single-crystal study on the low-temperature magnetism of the pyrochlore magnet Pr ₂ Zr ₂ O ₇ . Journal of the Korean Physical Society, 2013, 63, 719-721. | 0.7 | 10 |
| 164 | Dynamical spin-orbital correlation in the frustrated magnet Ba ₃ CuSb ₂ O ₉ . Nature Communications, 2013, 4, 2022. | 12.8 | 39 |
| 165 | Quantum fluctuations in spin-ice-like Pr ₂ Zr ₂ O ₇ . Nature Communications, 2013, 4, 1934. | 12.8 | 153 |
| 166 | Publisher's Note: Neutron-Scattering Measurement of Incommensurate Short-Range Order in Single Crystals of the $S_{\mathbf{1}}$ Triangular Antiferromagnet NiGa_2 | 7.8 | 0 |
| 167 | Chemical effects of high-resolution Yb L_{III}^3 emission spectra: a possible probe for chemical analysis. X-Ray Spectrometry, 2013, 42, 450-455 | 1.4 | 12 |
| 168 | Magnetic excitations and hybridization effect in PrTi | 3.2 | 35 |
| 169 | Conduction electron spin resonance in AlB_2 moments in a pyrochlore iridate $\text{Eu}_4\text{Ti}_3\text{O}_{13}$ | 3.2 | 131 |
| 170 | Conduction electron spin resonance in AlB_2 . Journal of Physics Condensed Matter, 2013, 25, 216001. | 1.8 | 5 |
| 171 | Evidence of a High-Field Phase in $\text{PrV}_2\text{Al}_{20}$ in a [100] Magnetic Field. Journal of the Physical Society of Japan, 2013, 82, 043705. | 1.6 | 22 |
| 172 | Pressure-Induced Heavy Fermion Superconductivity in the Nonmagnetic Quadrupolar System PrTi_2Al_7 | 7.8 | 150 |
| 173 | Evidence for an exotic magnetic transition in the triangular spin system FeGa_4 and NiGa_2 | 3.2 | 13 |
| 174 | Evidence for an exotic magnetic transition in the triangular spin system FeGa_4 | 3.2 | 15 |
| 175 | Hybridization and Two-Component Hall Effect in YbAlB_4 | 7.8 | 19 |
| 176 | Field Dependence of the Specific Heat in a Heavy-Fermion Superconductor CeIrIn_5 . Journal of the Physical Society of Japan, 2012, 81, SB014. | 1.6 | 1 |
| 177 | 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. | 0.4 | 5 |
| 178 | Microscopic Evidence for Long-Range Magnetic Ordering in the $\tilde{\Gamma}_8$ Ground Quartet Systems $\text{SmTr}_2\text{Al}_{20}$ (Tr: Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB050. | 1.6 | 1 |
| 179 | Low Temperature Properties of the Cubic Kondo Lattice Systems $\text{SmTr}_2\text{Al}_{20}$ (Tr= Ti, V, Cr). Journal of the Physical Society of Japan, 2012, 81, SB049. | 1.6 | 4 |
| 180 | T/Scaling of magnetization in the mixed valent compound $\tilde{\Gamma}_2$ - YbAlB_4 . Journal of Physics: Conference Series, 2012, 391, 012041. | 0.4 | 9 |

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| 181 | Superconductivity in the Ferroquadrupolar State in the Quadrupolar Kondo Lattice $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2012, 81, 083702. | 1.6 | 131 |
| 182 | Shubnikov-de Haas oscillations in the heavy fermion $\hat{\pm}\text{-YbAlB}_4$. Journal of Physics: Conference Series, 2012, 391, 012053. | 0.4 | 1 |
| 183 | Thermal properties of the nonmagnetic cubic $\hat{\Gamma}^3$ Kondo lattice systems $\text{PrTr}_2\text{Al}_{20}$ ($\text{Tr} = \text{Ti}, \text{V}$). Journal of Physics: Conference Series, 2012, 391, 012058. | 0.4 | 7 |
| 184 | Ferroquadrupolar ordering in $\text{PrTi}_2\text{Al}_{20}$. Physical Review B, 2012, 86, . | 3.2 | 85 |
| 185 | Structure and physical properties of single crystal $\text{PrCr}_2\text{Al}_{20}$ and $\text{CeM}_2\text{Al}_{20}$ ($M = \text{V}, \text{Cr}$): A comparison of compounds adopting the $\text{CeCr}_2\text{Al}_{20}$ structure type. Journal of Solid State Chemistry, 2012, 196, 274-281. | 2.9 | 61 |
| 187 | Spin-Orbital Short-Range Order on a Honeycomb-Based Lattice. Science, 2012, 336, 559-563. | 12.6 | 116 |
| 188 | Thermoelectric Response Near a Quantum Critical Point of $\hat{\Gamma}^2$ YbAlB_4 and $\text{PrTi}_2\text{Al}_{20}$. Physical Review Letters, 2012, 109, 156495. | 7.8 | 21 |
| 189 | Pressure-tuned insulator-to-metal transition in $\text{PrTi}_2\text{Al}_{20}$. Physical Review Letters, 2012, 109, 156495. | 3.2 | 99 |
| 190 | Pressure-tuned insulator to metal transition in $\text{PrTi}_2\text{Al}_{20}$. Physical Review Letters, 2012, 109, 156495. | 3.2 | 91 |
| 191 | Superconducting gap structure of CeIrIn_5 from field-angle-resolved measurements of its specific heat. Physical Review B, 2012, 85, . | 3.2 | 16 |
| 192 | New magnetic phase diagram of $(\text{Sr,Ca})_2\text{RuO}_4$. Nature Materials, 2012, 11, 323-328. | 27.5 | 58 |
| 193 | High-Resolution Synchrotron Studies and Magnetic Properties of Frustrated Antiferromagnets MAl_2S_4 ($M = \text{Mn}^{2+}, \text{Fe}^{2+}, \text{Co}^{2+}$). Chemistry of Materials, 2011, 23, 3086-3094. | 6.7 | 13 |
| 194 | Successive phase transitions and phase diagrams for the quasi-two-dimensional easy-axis triangular antiferromagnet $\text{Rb}_4\text{Mn}(\text{MoO}_4)_3$. Europhysics Letters, 2011, 94, 17001. | 2.0 | 56 |
| 195 | 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. | 4.0 | 5 |
| 196 | Quantum Criticality Without Tuning in the Mixed Valence Compound $\hat{\Gamma}^2\text{-YbAlB}_4$. Science, 2011, 331, 316-319. | 12.6 | 199 |
| 197 | Anisotropic Electrical Transport in the Heavy Fermion Compound $\hat{\Gamma}^{\pm}\text{-YbAlB}_4$. Journal of the Physical Society of Japan, 2011, 80, SA089. | 1.6 | 1 |
| 198 | Ultrasonic Investigation on a Cage Structure Compound $\text{PrTi}_2\text{Al}_{20}$. Journal of the Physical Society of Japan, 2011, 80, SA049. | 1.6 | 36 |

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|-----|---|-----|-----------|
| 199 | Thermoelectric Coefficients of the Quantum Critical \hat{I}^2 -YbAlB ₄ . Journal of the Physical Society of Japan, 2011, 80, SA088. | 1.6 | 0 |
| 200 | Kondo Lattice Behavior in the Valence Fluctuating Systems \hat{I}^{\pm} - and \hat{I}^2 -YbAlB ₄ . Journal of the Physical Society of Japan, 2011, 80, SA090. | 1.6 | 2 |
| 201 | Low temperature magnetism of the metallic pyrochlore oxide Pr _{2+x} Ir ₂ As _{7-x} O ₇ + \hat{I} . Journal of Physics: Conference Series, 2011, 320, 012079. | 0.4 | 4 |
| 202 | Low-temperature thermal transport coefficients of heavy fermion \hat{I}^2 -YbAlB ₄ . Journal of Physics: Conference Series, 2011, 273, 012005. | 0.4 | 1 |
| 203 | Local moment behaviors of the valence fluctuating systems \hat{I}^2 -YbAlB ₄ and \hat{I}^{\pm} -YbAlB ₄ . Journal of Physics: Conference Series, 2011, 273, 012006. | 0.4 | 6 |
| 204 | $\hat{\mu}$ SR Evidence of Nonmagnetic Order and ¹⁴¹ Pr Hyperfine-Enhanced Nuclear Magnetism in the Cubic \hat{I}^{\pm} Ground Doublet System PrTi ₂ Al ₂₀ . Journal of the Physical Society of Japan, 2011, 80, 113703. | 1.6 | 35 |
| 205 | Electron Spin Resonance in the Quasi-Two-Dimensional Triangular-Lattice Antiferromagnet Rb ₄ Mn(MoO ₄) ₃ . Journal of the Physical Society of Japan, 2011, 80, 064705. | 1.6 | 3 |
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