# Toshiro Sakakibara

List of Publications by Year
in descending order



| | | | |
|---|---|---|---|
| 168 papers | 3,990 citations | 159585 30 h-index | 149698 56 g-index |
| 168 all docs | 168 docs citations | 168 times ranked | 2697 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Nature of field-induced antiferromagnetic order in Zn-doped <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CeCoIn</mml:mi><mml:mn>5</mml:mn></mml:msub></ and its connection to quantum criticality in the pure compound. Physical Review B, 2022, 105, . | 3.2 | 1 |
| 2 | Anisotropy-driven quantum criticality in an intermediate valence system. Nature Communications, 2022, 13, 2141. | 12.8 | 1 |
| 3 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sm</mml:mi><mml:msub><mml:mi mathvariant="normal">I</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>:</mml:mo><mml:mspace width="0.16em" /><mml:mn>4</mml:mn><mml:msup><mml:mi>f</mml:mi><mml:mn>5</mml:mn></mml:msup></mml:mrow></mml:math> honeycomb magnet with spin-orbital entangled <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" | 2.4 | 2 |
| 4 | Magnetic Phase Transitions of the 4f Skyrmion Compound EuPtSi Studied by Magnetization Measurements. Journal of the Physical Society of Japan, 2021, 90, 064701. | 1.6 | 7 |
| 5 | Spin glass behavior and magnetic boson peak in a structural glass of a magnetic ionic liquid. Scientific Reports, 2021, 11, 12098. | 3.3 | 9 |
| 6 | Field-Angle-Resolved Landscape of Non-Fermi-Liquid Behavior in the Quasi-Kagome Kondo Lattice CeRhSn. Journal of the Physical Society of Japan, 2021, 90, 064703. | 1.6 | 3 |
| 7 | Development of high-resolution capacitive Faraday magnetometers for sub-Kelvin region. Review of Scientific Instruments, 2021, 92, 123908. | 1.3 | 5 |
| 8 | Fully gapped superconductivity without sign reversal in the topological superconductor PbTaSe2. Physical Review B, 2020, 102, . | 3.2 | 2 |
| 9 | Kitaev Spin Liquid Candidate Os<sub>x</sub>Cl<sub>3</sub> Comprised of Honeycomb Nano-Domains. Journal of the Physical Society of Japan, 2020, 89, 114709. | 1.6 | 11 |
| 10 | Improved accuracy in high-frequency AC transport measurements in pulsed high magnetic fields. Review of Scientific Instruments, 2020, 91, 125107. | 1.3 | 4 |
| 11 | Field-Orientation Effect on Ferro-Quadrupole Order in PrTi<sub>2</sub>Al<sub>20</sub>. Journal of the Physical Society of Japan, 2020, 89, 043701. | 1.6 | 6 |
| 12 | Magnetization and Thermal Expansion Properties of Quantum Spin Ice Candidate Pr2Zr2O7. , 2020, , . | | 2 |
| 13 | Heavy Fermion State of YbNi2Si3 without Local Inversion Symmetry. Journal of the Physical Society of Japan, 2020, 89, 024705. | 1.6 | 2 |
| 14 | Single Crystal Growth and Unique Electronic States of Cubic Chiral EuPtSi and Related Compounds. , 2020, , . | | 3 |
| 15 | Orientation of point nodes and nonunitary triplet pairing tuned by the easy-axis magnetization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>UTe</mml:mi><mml:mn>2</mml:mn></mml:msub></ Physical Review Research, 2020, 2, . | 3.6 | 34 |
| 16 | Thermal Hall Effects of Spins and Phonons in Kagome Antiferromagnet Cd-Kapellasite. Physical Review X, 2020, 10, . | 8.9 | 17 |
| 17 | Unique Skyrmion Phases and Conduction Electrons in Cubic Chiral Antiferromagnet EuPtSi and Related Compounds. , 2020, , . | | 4 |
| 18 | Quasiparticle Evidence for the Nematic State above <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>T</mml:mi><mml:mi mathvariant="normal">c</mml:mi></mml:msub></mml:math> in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mi>x</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:mrow></mml:math> | 7.8 | 32 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Field-Induced Switching of Ferro-Quadrupole Order Parameter in PrTi<sub>2</sub>Al<sub>20</sub>. Journal of the Physical Society of Japan, 2019, 88, 084707. | 1.6 | 15 |
| 20 | Superconductivity in PtSbS with a Noncentrosymmetric Cubic Crystal Structure. Journal of the Physical Society of Japan, 2019, 88, 093709. | 1.6 | 6 |
| 21 | Fluctuation-Induced First-Order Transition and Tricritical Point in EuPtSi. Journal of the Physical Society of Japan, 2019, 88, 093701. | 1.6 | 21 |
| 22 | Giant Anisotropic Magnetoresistance due to Purely Orbital Rearrangement in the Quadrupolar Heavy Fermion Superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi>PrV</mml:mi></mml:mrow><mml:mrow><mml:mn>2</ Physical Review Letters, 2019, 122, 256601. | 7.8 | 8 |
| 23 | Anisotropic magnetic-field response of quantum critical fluctuations in Ni-doped CeCoIn5. Physical Review B, 2019, 99, . | 3.2 | 3 |
| 24 | Superconductivity of Electron-Doped NdOBiS<sub>2</sub> by Substitution of Mixed-Valence Ce Ions. Journal of the Physical Society of Japan, 2019, 88, 103703. | 1.6 | 6 |
| 25 | Quantum valence criticality in a correlated metal. Science Advances, 2018, 4, eaao3547. | 10.3 | 28 |
| 26 | Giant Hall Resistivity and Magnetoresistance in Cubic Chiral Antiferromagnet EuPtSi. Journal of the Physical Society of Japan, 2018, 87, 023701. | 1.6 | 79 |
| 27 | Superconducting symmetries and magnetic responses of uranium heavy-fermion systems UBe13 and UPd2Al3. Physica B: Condensed Matter, 2018, 536, 553-557. | 2.7 | 0 |
| 28 | Low-Temperature Magnetization Measurements with Precise Two-Axis Alignment of the Sample Orientation. Journal of the Physical Society of Japan, 2018, 87, 114001. | 1.6 | 2 |
| 29 | Investigation of the tricritical point of the ising ferromagnet URhGe by angle-resolved measurements. AIP Advances, 2018, 8, 101305. | 1.3 | 0 |
| 30 | Searching for Gap Zeros in Sr<sub>2</sub>RuO<sub>4</sub> via Field-Angle-Dependent Specific-Heat Measurement. Journal of the Physical Society of Japan, 2018, 87, 093703. | 1.6 | 51 |
| 31 | Magnetic-field-induced Quantum Phase in S = 1/2 Frustrated Trellis Lattice. Journal of the Physical Society of Japan, 2018, 87, 043701. | 1.6 | 2 |
| 32 | Disorder-sensitive nodelike small gap in FeSe. Physical Review B, 2018, 98, . | 3.2 | 12 |
| 33 | Field-rotational Magnetocaloric Effect: A New Experimental Technique for Accurate Measurement of the Anisotropic Magnetic Entropy. Journal of the Physical Society of Japan, 2018, 87, 073601. | 1.6 | 8 |
| 34 | Magnetization study on the ising ferromagnet URhGe with high-precision angle-resolved magnetic field near the hard axis. Progress in Nuclear Science and Technology, 2018, 5, 123-127. | 0.3 | 1 |
| 35 | Unique Electronic States in Non-centrosymmetric Cubic Compounds. Journal of Electronic Materials, 2017, 46, 3572-3584. | 2.2 | 27 |
| 36 | Magnetic properties of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo><mml:mfrac><mml:m honeycomb lattice antiferromagnet <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>2</mml:mn><mml:mtext>â^'</mml:mtext><mml:mi>Cl</mml:mi><mr mathvariant="normal">F</m. Physical Review B, 2017, 95, . | 3.2 | 12 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Structural, Magnetic, and Superconducting Properties of Caged CompoundsROs<sub>2</sub>Zn<sub>20</sub>(R= La, Ce, Pr, and Nd). Journal of the Physical Society of Japan, 2017, 86, 034707. | 1.6 | 22 |
| 38 | Thermodynamic Investigation of Metamagnetic Transitions and Partial Disorder in the Quasi-Kagome Kondo Lattice CePdAl. Journal of the Physical Society of Japan, 2017, 86, 034709. | 1.6 | 10 |
| 39 | Observation of a new field-induced phase transition and its concomitant quantum critical fluctuations in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mtext>CeCo</mml:mtext><mml:mo>(</mml:mo><mml:mrow><mml:msub /><mml:mn>5</mml:mn></mml:msub></mml:math>. Physical Review B, 2017, 95, . | 3.2 | 3 |
| 40 | Three-dimensional Bose-Einstein condensation in the spin- 12 ferromagnetic-leg ladder 3-Br-4-F-V. Physical Review B, 2017, 96, . | 3.2 | 5 |
| 41 | Quasiparticle excitations and evidence for superconducting double transitions in monocrystalline U0.97Th0.03Be13. Physical Review B, 2017, 96, . | 3.2 | 21 |
| 42 | Wing structure in the phase diagram of the Ising ferromagnet URhGe close to its tricritical point investigated by angle-resolved magnetization measurements. Physical Review B, 2017, 96, . | 3.2 | 20 |
| 43 | Fully gapped superconductivity with no sign change in the prototypical heavy-fermion CeCu <sub>2</sub> Si <sub>2</sub>. Science Advances, 2017, 3, e1601667. | 10.3 | 46 |
| 44 | Magnetic Properties and Magnetic Phase Diagrams of Trigonal DyNi3Ga9. Journal of the Physical Society of Japan, 2017, 86, 124704. | 1.6 | 12 |
| 45 | Gap structure of FeSe determined by angle-resolved specific heat measurements in applied rotating magnetic field. Physical Review B, 2017, 96, . | 3.2 | 29 |
| 46 | Randomness-induced quantum spin liquid on honeycomb lattice. Scientific Reports, 2017, 7, 16144. | 3.3 | 33 |
| 47 | Evidence for Chiral d-Wave Superconductivity in URu<sub>2</sub>Si<sub>2</sub> from the Field-Angle Variation of Its Specific Heat. Journal of the Physical Society of Japan, 2016, 85, 033704. | 1.6 | 34 |
| 48 | Superconductivity and Non-Fermi-Liquid Behavior in the Heavy-Fermion Compound CeCo1âˆ’xNixIn5. Journal of the Physical Society of Japan, 2016, 85, 094713. | 1.6 | 3 |
| 49 | Angle-resolved heat capacity of heavy fermion superconductors. Reports on Progress in Physics, 2016, 79, 094002. | 20.1 | 25 |
| 50 | Omnidirectional Measurements of Angle-Resolved Heat Capacity for Complete Detection of Superconducting Gap Structure in the Heavy-Fermion Antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>UPd</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2016, 117, 037001. | 7.8 | 9 |
| 51 | Thermodynamic study of gap structure and pair-breaking effect by magnetic field in the heavy-fermion superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CeCu</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, . | 3.2 | 25 |
| 52 | Comparison With Ground States of Frustrated Quantum Spin Chain Systems A2Cu2Mo3O12(A = Rb and) Tj ETQq0 0 0 rgBT /Overlock 1 | 2.1 | 9 |
| 53 | Ferromagnetic ordered phase of quantum spin ice system Yb2Ti2O7 under [001] magnetic field. AIP Advances, 2016, 6, 055707. | 1.3 | 4 |
| 54 | Low Temperature Magnetic Properties of a New Quasi-one-dimensional Organic Magnet Î±-2-Cl-4-F-V. Physics Procedia, 2015, 75, 679-686. | 1.2 | 0 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Unstable spin-ice order in the stuffed metallic pyrochlore<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Pr</mml:mi><mml:mrow><mml:mn>2</mml:mn> mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>7</mml:mn><mml:mo>â’</mml:mo><mml:mi>Î´</mml:mi></mml:mrow> Physical Review B, 2015, 92, . | 3.2 | 23 |
| 56 | Pauli-limited superconductivity and antiferromagnetism in the heavy-fermion compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCo</mml:mi><mml:mo>(</mml:mo> Physical Review B, 2015, 92, . | 3.2 | 10 |
| 57 | Observation of a New Ordered Phase in the Kondo Semiconductor CeOs4Sb12. Journal of the Physical Society of Japan, 2015, 84, 104701. | 1.6 | 6 |
| 58 | Antiferromagnetic Transition in a Novel Star-shaped High-spin Fe(III) Tetranuclear Cluster from a Mononuclear Coordination Anion Featuring Ï€-Extended Schiff Base Ligands. Chemistry Letters, 2015, 44, 840-842. | 1.3 | 7 |
| 59 | Experimental Realization of a Quantum Pentagonal Lattice. Scientific Reports, 2015, 5, 15327. | 3.3 | 23 |
| 60 | Antiferromagnetic transition of the caged compound TmTi<sub>2</sub>Al<sub>20</sub>. Journal of Physics: Conference Series, 2015, 592, 012052. | 0.4 | 6 |
| 61 | Field-Orientation Dependence of Low-Energy Quasiparticle Excitations in the Heavy-Electron SuperconductorUBe13. Physical Review Letters, 2015, 114, 147002. | 7.8 | 33 |
| 62 | Field Evolution of Quantum Critical and Heavy Fermi-Liquid Components in the Magnetization of the Mixed Valence Compound Î²-YbAlB<sub>4</sub>. Journal of the Physical Society of Japan, 2015, 84, 024710. | 1.6 | 11 |
| 63 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>S</mml:mi><mml:mo>=</mml:mo> <mml:mfrac> <mml alternating Heisenberg chain in a zinc-verdazyl complex. Physical Review B, 2015, 91, . | 3.2 | 26 |
| 64 | First-Order Ferromagnetic Transition of Quantum Spin Ice System <font>Yb</font><sub>2</sub><font>Ti</font><sub>2</sub><font>O</font><sub>7</sub>. Spin, 2015, 05, 1540002. | 1.3 | 2 |
| 65 | Anisotropic Superconductivity of the Caged Compound Y<sub>5</sub>Rh<sub>6</sub>Sn<sub>18</sub> with Unusual Normal-State Electrical Resistivity. , 2014, , . | | 6 |
| 66 | Sharp magnetization jump at the first-order superconducting transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">RuO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 90, . | 3.2 | 40 |
| 67 | Magnetization Study of the Quantum Critical Behavior of the One Dimensional Spin-1/2 Heisenberg Antiferromagnet CuPzN. , 2014, , . | | 1 |
| 68 | Fine-Tuning of Magnetic Interactions in Organic Spin Ladders. Journal of the Physical Society of Japan, 2014, 83, 033707. | 1.6 | 28 |
| 69 | Thermodynamic Study of Nodal Structure and Multiband Superconductivity of KFe<sub>2</sub>As<sub>2</sub>. Journal of the Physical Society of Japan, 2014, 83, 013704. | 1.6 | 25 |
| 70 | Novel Electronic States of Heavy Fermion Compound YbCo<sub>2</sub>Zn<sub>20</sub>. Journal of the Physical Society of Japan, 2014, 83, 044703. | 1.6 | 18 |
| 71 | Possible Evolution of Antiferromagnetism in Zn-Doped Heavy-Fermion Superconductor CeCoIn<sub>5</sub>. Journal of the Physical Society of Japan, 2014, 83, 033706. | 1.6 | 13 |
| 72 | Multiband Superconductivity with Unexpected Deficiency of Nodal Quasiparticles in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2014, 112, 067002. | 7.8 | 100 |

| # | Article | IF | Citations |
|---|---|---|---|
| 73 | Low Temperature Magnetization of Yb<sub>2</sub>Pt<sub>2</sub>Pb Along the Hard Magnetization Axis. , 2014, , . | | 0 |
| 74 | Low Temperature Magnetic Properties of Frustrated Quantum Spin Chain System Rb2Cu2Mo3O12. , 2014, , . | | 9 |
| 75 | Metal-Insulator Transition in Pyrochlore Oxide (Nd<sub>1â^'</sub><sub>x</sub>Pr<sub>x</sub>)<sub>2</sub>Ir<sub>2</sub>O<sub>7</sub> (0.7 â‰ x â‰ 1). , 2014, , . | | 4 |
| 76 | Singlet-triplet crossover in the two-dimensional dimer spin system YbAl3C3. Journal of the Korean Physical Society, 2013, 62, 2088-2092. | 0.7 | 3 |
| 77 | Magnetization steps in Yb2Pt2Pb with the Shastry-Sutherland lattice. Journal of the Korean Physical Society, 2013, 63, 551-554. | 0.7 | 4 |
| 78 | Verification of Anisotropic s-Wave Superconducting Gap Structure in CeRu<sub>2</sub> from Low-Temperature Field-Angle-Resolved Specific Heat Measurements. Journal of the Physical Society of Japan, 2013, 82, 123706. | 1.6 | 14 |
| 79 | Coexistence of Ising and XY Spin Systems on a Single Tb Atom in TbCoGa<sub>5</sub>. Journal of the Physical Society of Japan, 2013, 82, 044713. | 1.6 | 0 |
| 80 | Anomalous Field-Angle Dependence of the Specific Heat of Heavy-Fermion Superconductor UPt3. Journal of the Physical Society of Japan, 2013, 82, 024707. | 1.6 | 11 |
| 81 | High-Field Phase Diagram of SmRu4P12Determined by Ultrasonic Measurements in Pulsed Magnetic Field up to 55 T. Journal of the Physical Society of Japan, 2013, 82, 033602. | 1.6 | 2 |
| 82 | Evidence of a High-Field Phase in PrV<sub>2</sub>Al<sub>20</sub> in a [100] Magnetic Field. Journal of the Physical Society of Japan, 2013, 82, 043705. | 1.6 | 22 |
| 83 | Multiferroicity on the Zigzag-Chain Antiferromagnet MnWO<sub>4</sub> in High Magnetic Fields. Journal of the Physical Society of Japan, 2012, 81, 054705. | 1.6 | 24 |
| 84 | Field Dependence of the Specific Heat in a Heavy-Fermion Superconductor CeIrIn5. Journal of the Physical Society of Japan, 2012, 81, SB014. | 1.6 | 1 |
| 85 | Superconducting Gap Structure of the Cage Compound Sc<sub>5</sub>Rh<sub>6</sub>Sn<sub>18</sub>. Journal of the Physical Society of Japan, 2012, 81, SB016. | 1.6 | 15 |
| 86 | Field-Induced Ordering in the Heavy Fermion Compound YbCo<sub>2</sub>Zn<sub>20</sub>. Journal of Physics: Conference Series, 2012, 391, 012066. | 0.4 | 7 |
| 87 | Low Temperature Magnetization of Yb<sub>2</sub>Pt<sub>2</sub>Pb with the Shastryâ€“Sutherland Type Lattice and a High-Rank Multipole Interaction. Journal of the Physical Society of Japan, 2012, 81, 103601. | 1.6 | 12 |
| 88 | Superconducting gap structure of CeIrIn<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>5</mml:mn></mml:msub></mml:math>from field-angle-resolved measurements of its specific heat. Physical Review B, 2012, 85, . | 3.2 | 16 |
| 89 | Quantum Criticality Without Tuning in the Mixed Valence Compound Î²-YbAlB <sub>4</sub>. Science, 2011, 331, 316-319. | 12.6 | 199 |
| 90 | Low-Temperature Magnetization of the Metamagnetic Heavy Fermion Compound YbIr<sub>2</sub>Zn<sub>20</sub>. Journal of the Physical Society of Japan, 2011, 80, SA051. | 1.6 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Low Temperature Magnetic Properties of Pr(Cu,Ga)<sub>13</sub>with Orbitally Degenerate Ground State. Journal of the Physical Society of Japan, 2011, 80, SA072. | 1.6 | 0 |
| 92 | f-Electron-Nuclear Hyperfine-Coupled Multiplets in the Unconventional Charge Order Phase of Filled Skutterudite PrRu4P12. Journal of the Physical Society of Japan, 2011, 80, 054704. | 1.6 | 13 |
| 93 | Thermal Properties of Filled Skutterudite PrOs<sub>4</sub>P<sub>12</sub>. Journal of the Physical Society of Japan, 2011, 80, SA025. | 1.6 | 1 |
| 94 | Evidence of a Field-Induced Ordering in YbCo<sub>2</sub>Zn<sub>20</sub> in a [111] Magnetic Field. Journal of the Physical Society of Japan, 2011, 80, 073707. | 1.6 | 26 |
| 95 | Structural and electronic properties of pyrochlore type <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>A</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mm xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow /><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow><mml:math>O<mml:math | 3.2 | 24 |
| 96 | Slow dynamics of Dy pyrochlore oxides Dy<sub>2</sub>Sn<sub>2</sub>O<sub>7</sub>and Dy<sub>2</sub>Ir<sub>2</sub>O<sub>7</sub>. Journal of Physics: Conference Series, 2011, 320, 012050. | 0.4 | 15 |
| 97 | Absence of Meissner State and Robust Ferromagnetism in the Superconducting State of UCoGe: Possible Evidence of Spontaneous Vortex State. Journal of the Physical Society of Japan, 2010, 79, 083708. | 1.6 | 30 |
| 98 | Low Temperature Magnetic Properties of Ce<sub>3</sub>Pd<sub>20</sub>Si<sub>6</sub>. Journal of the Physical Society of Japan, 2010, 79, 074712. | 1.6 | 23 |
| 99 | Time-reversal symmetry breaking and spontaneous Hall effect without magnetic dipole order. Nature, 2010, 463, 210-213. | 27.8 | 352 |
| 100 | Magnetization â€œStepsâ€•on a Kagome Lattice in Volborthite. Journal of the Physical Society of Japan, 2009, 78, 043704. | 1.6 | 76 |
| 101 | Stabilization of Phase IV in CexLa1-xB6(x=0.4, 0.5) by Pr and Nd Ion Dopings. Journal of the Physical Society of Japan, 2009, 78, 093708. | 1.6 | 4 |
| 102 | Scalar Order in PrFe4P12 Studied by Thermal Expansion and Magnetostriction. Journal of the Physical Society of Japan, 2009, 78, 044708. | 1.6 | 6 |
| 103 | Successive Magnetic Orderings of Rectangular Components Caused by Conservation of Paraquadrupolar State in Magnetically Ordered Phase in TbCoGa5. Journal of the Physical Society of Japan, 2009, 78, 073709. | 1.6 | 13 |
| 104 | Unusual Low-Temperature Magnetization of a Cubic Î“3 Non-Kramers Doublet Ground State Compound PrMg3-Evidence of a Hybridization Effect. Journal of the Physical Society of Japan, 2009, 78, 033705. | 1.6 | 20 |
| 105 | Suppression of Phase IV in CexLa1-xB6by R-Ion Doping. Journal of the Physical Society of Japan, 2008, 77, 285-287. | 1.6 | 2 |
| 106 | Successive phase transitions to antiferromagnetic and weak-ferromagnetic long-range order in the quasi-one-dimensional antiferromagnetCu3Mo2O9. Physical Review B, 2008, 77, . | 3.2 | 40 |
| 107 | Magnetic-Field Induced Boseâ€“Einstein Condensation of Magnons and Critical Behavior in Interacting Spin Dimer System TlCuCl<sub>3</sub>. Journal of the Physical Society of Japan, 2008, 77, 013701. | 1.6 | 66 |
| 108 | Magnetic Correlation in the Ordered Phase of CeOs4Sb12. Journal of the Physical Society of Japan, 2008, 77, 318-320. | 1.6 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | Multipole Phenomena and Superconductivity in Pr-based Filled Skutterudites. Journal of the Physical Society of Japan, 2008, 77, 180-186. | 1.6 | 5 |
| 110 | Magnetic Phase Diagram of Pr1-xLaxFe4P12(0 â‰¤xâ‰¤0.15). Journal of the Physical Society of Japan, 2008, 77, 78-83. | 1.6 | 5 |
| 111 | Nodal Structures of Heavy Fermion Superconductors Probed by the Specific-Heat Measurements in Magnetic Fields. Journal of the Physical Society of Japan, 2007, 76, 051004. | 1.6 | 71 |
| 112 | Antiferroquadrupolar Ordering and Anisotropic Magnetic Phase Diagram of Dysprosium Palladium Bronze, DyPd3S4. Journal of the Physical Society of Japan, 2007, 76, 084717. | 1.6 | 14 |
| 113 | The Unconventional Superconductivity of Skutterudite PrOs4Sb12: Time-Reversal Symmetry Breaking and Adjacent Field-Induced Quadrupole Ordering. Journal of the Physical Society of Japan, 2007, 76, 051006. | 1.6 | 67 |
| 114 | Angle-Resolved Magnetization Study of the Multipole Ordering in PrFe4P12. Journal of the Physical Society of Japan, 2007, 76, 064701. | 1.6 | 17 |
| 115 | Rapid Suppression of Phase IV by Nd Doping in Ce0.7La0.3B6. Journal of the Physical Society of Japan, 2007, 76, 103708. | 1.6 | 5 |
| 116 | Phase Transitions of a Geometrically Frustrated Spin System CdCr<sub>2</sub>O<sub>4</sub>in Very High Magnetic Fields. Journal of the Physical Society of Japan, 2007, 76, 085001. | 1.6 | 14 |
| 117 | Dielectric Polarization Measurements on the Antiferromagnetic Triangular Lattice System CuFeO<sub>2</sub> in Pulsed High Magnetic Fields. Journal of the Physical Society of Japan, 2007, 76, 094709. | 1.6 | 49 |
| 118 | Effect of La Impurities on the Phase Transitions in PrFe<sub>4</sub>P<sub>12</sub>. Journal of the Physical Society of Japan, 2007, 76, 083702. | 1.6 | 11 |
| 119 | Anomalous Hall effect of the frustrated Kondo lattice. Journal of Magnetism and Magnetic Materials, 2007, 310, 1079-1081. | 2.3 | 3 |
| 120 | Geometrical frustration and spin-liquid behavior of the metallic pyrochlore antiferromagnet. Journal of Magnetism and Magnetic Materials, 2007, 310, 1328-1330. | 2.3 | 6 |
| 121 | Low Energy Excitations in the Mixed State of the Anisotropics-Wave Superconductor CeRu2. Journal of the Physical Society of Japan, 2007, 76, 123704. | 1.6 | 5 |
| 122 | Electrical Resistivity Measurements on PrPb<sub>3</sub>under High Pressures. Journal of the Physical Society of Japan, 2007, 76, 56-57. | 1.6 | 6 |
| 123 | Magnetic Field-Induced Phase Transition of Quantum Spin System Cu2Cl4â‹…H8C4SO2. AIP Conference Proceedings, 2006, , . | 0.4 | 0 |
| 124 | Long Periodic Quadrupolar Structures in PrPb3. Journal of the Physical Society of Japan, 2006, 75, 186-188. | 1.6 | 1 |
| 125 | Specific Heat Measurements on a Modulated Quadrupolar Ordering Compound PrPb3at Very Low Temperatures. Journal of the Physical Society of Japan, 2006, 75, 183-186. | 1.6 | 1 |
| 126 | Pressure Effect on Superconductivity and Antiferroquadrupolar Order in PrOs4Sb12. Journal of the Physical Society of Japan, 2006, 75, 043707. | 1.6 | 22 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Pressure Dependence of the First-Order Superconducting Phase Transition in CeCoIn5. Journal of the Physical Society of Japan, 2005, 74, 1115-1118. | 1.6 | 16 |
| 128 | Phase diagrams and ground-state magnetic properties of Pr-based filled skutterudites. Physica B: Condensed Matter, 2005, 359-361, 836-843. | 2.7 | 6 |
| 129 | Investigation into the Itinerant Metamagnetism of Sr3Ru2O7 for the Field Parallel to the Ruthenium Oxygen Planes. Journal of the Physical Society of Japan, 2005, 74, 1270-1274. | 1.6 | 17 |
| 130 | Angle-resolved Magnetization Measurements on Antiferroquadrupolar Ordering System PrPb3: Evidence for Anisotropic Quadrupolar Interaction. Journal of the Physical Society of Japan, 2004, 73, 2377-2380. | 1.6 | 29 |
| 131 | New High-Field Ordered State in PrFe4P12. Journal of the Physical Society of Japan, 2004, 73, 3258-3261. | 1.6 | 44 |
| 132 | Magnetocaloric Effect Study on the Pyrochlore Spin Ice Compound Dy2Ti2O7in a [111] Magnetic Field. Journal of the Physical Society of Japan, 2004, 73, 2851-2856. | 1.6 | 50 |
| 133 | Low-Temperature Magnetization Study on the Phase IV Ordering in CexLa1-xB6under [111] Uniaxial Pressures. Journal of the Physical Society of Japan, 2004, 73, 2381-2384. | 1.6 | 16 |
| 134 | Successive Magnetic Transitions in a Frustrated Compound YbAgGe. Journal of the Physical Society of Japan, 2004, 73, 537-540. | 1.6 | 41 |
| 135 | Magnetic Phase Diagram of the Heavy Fermion Superconductor PrOs4Sb12. Journal of the Physical Society of Japan, 2003, 72, 1516-1522. | 1.6 | 122 |
| 136 | Low-Temperature Magnetic Properties of Pyrochlore Stannates. Journal of the Physical Society of Japan, 2002, 71, 1576-1582. | 1.6 | 129 |
| 137 | Anomalous Fermi Liquid Behavior of the Dilute Uranium Alloys La1-xUxRu2Si2(xâ‰0.07). Journal of the Physical Society of Japan, 2002, 71, 3037-3042. | 1.6 | 7 |
| 138 | Anomalous Uniaxial Pressure Effect on the Phase IV Ordering in CexLa1-xB6. Journal of the Physical Society of Japan, 2002, 71, 48-51. | 1.6 | 7 |
| 139 | Low-Temperature Magnetization Study on the non-Kramers Cubic System Pr3Pd20Ge6. Journal of the Physical Society of Japan, 2002, 71, 124-126. | 1.6 | 1 |
| 140 | Antiferro-Quadrupolar Ordering and Multipole Interactions in PrPb3. Journal of the Physical Society of Japan, 2001, 70, 248-258. | 1.6 | 97 |
| 141 | Antiferromagnetic Ordering in the Spin Ladder Compound; Sr14-xCaxCu24O41. Journal of the Physical Society of Japan, 2001, 70, 2419-2424. | 1.6 | 4 |
| 142 | Magnetization Study on the History-Dependent Peak Effect in the Superconducting Mixed State of CeRu2. Journal of the Physical Society of Japan, 1999, 68, 224-231. | 1.6 | 15 |
| 143 | Volume Effect in Thermal Properties of CeRu2Si2near the Metamagnetic Crossover. Journal of the Physical Society of Japan, 1999, 68, 2420-2425. | 1.6 | 4 |
| 144 | Simultaneous Measurement of Magnetization and Magnetostriction in CeRu 2Si 2 at Very Low Temperatures: A Test of the One-Parameter Scaling Property. Journal of the Physical Society of Japan, 1999, 68, 3402-3406. | 1.6 | 11 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Peak Effect in CeRu2: Role of Crystalline Defects. Journal of the Physical Society of Japan, 1998, 67, 3561-3569. | 1.6 | 10 |
| 146 | Incommensurate-Commensurate Magnetic Phase Transitions of the Ising-5fSystem UPd2Si2: theH-TPhase Diagram and Mean-Field Analyses. Journal of the Physical Society of Japan, 1998, 67, 1017-1028. | 1.6 | 22 |
| 147 | Lattice Instability and Elastic Response in the Heavy Electron System URu2Si2. Journal of the Physical Society of Japan, 1997, 66, 3251-3258. | 1.6 | 40 |
| 148 | Unusual Low Temperature Behavior in Diluted Kondo Lattice Compound Ce1-x(La0.63Y0.37)xRu2Si2, (xâ‰¥0.50). Journal of the Physical Society of Japan, 1997, 66, 4009-4016. | 1.6 | 2 |
| 149 | Magnetic Phase Diagram of CexLa1-xB6Studied by Static Magnetization Measurement at Very Low Temperatures. Journal of the Physical Society of Japan, 1997, 66, 2268-2271. | 1.6 | 126 |
| 150 | Single-Site and Inter-Site Effects in Heavy Fermion Compound CeRu2Si2Studied by Constant Volume Dilution. Journal of the Physical Society of Japan, 1997, 66, 2851-2863. | 1.6 | 16 |
| 151 | Single Crystal Growth, Normal and Superconducting Properties of UPd2Al3. Journal of the Physical Society of Japan, 1996, 65, 3646-3653. | 1.6 | 30 |
| 152 | Magnetization Study of the Valence Fluctuation Compound Sm3Te4at Very Low Temperatures. Journal of the Physical Society of Japan, 1996, 65, 3467-3470. | 1.6 | 12 |
| 153 | Anomaly of Magnetization in the Superconducting Mixed State of UPt3. Journal of the Physical Society of Japan, 1995, 64, 1063-1066. | 1.6 | 23 |
| 154 | Faraday Force Magnetometer for High-Sensitivity Magnetization Measurements at Very Low Temperatures and High Fields. Japanese Journal of Applied Physics, 1994, 33, 5067-5072. | 1.5 | 201 |
| 155 | Single Uranium-Site Properties of the Dilute Heavy Electron System UxTh1-xRu2Si2(xâ‰0.07). Journal of the Physical Society of Japan, 1994, 63, 736-747. | 1.6 | 128 |
| 156 | Magnetic Properties and Phase Diagram of Ce(Ru1-xRhx)2Si2(0â‰x<0.5). Journal of the Physical Society of Japan, 1992, 61, 4536-4546. | 1.6 | 66 |
| 157 | High Field Magnetization of Singlet Ground State System Cs3Cr2X9(X=Cl, Br) up to 40 T. Journal of the Physical Society of Japan, 1989, 58, 1021-1026. | 1.6 | 9 |
| 158 | High Field Maganetization Process of Random Mixtures with Competing Exchange Interactions K2CuxA1-xF4(A=Mn and Co). Journal of the Physical Society of Japan, 1989, 58, 684-691. | 1.6 | 9 |
| 159 | Magnetic Properties of Antiferromagnetic GdCu6. Journal of the Physical Society of Japan, 1989, 58, 1031-1034. | 1.6 | 25 |
| 160 | Magnetic Phase Diagram of Cr1-xMnxGe. Journal of the Physical Society of Japan, 1988, 57, 639-646. | 1.6 | 14 |
| 161 | Anisotropic Spin-Glass and Cluster-Glass of Layered FexTiS2Crystals. Journal of the Physical Society of Japan, 1988, 57, 4083-4085. | 1.6 | 15 |
| 162 | Anomalous Magnetization of RbFeCl3around 31T in Pulsed High Magnetic Fields. Journal of the Physical Society of Japan, 1988, 57, 38-41. | 1.6 | 14 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | Temperature- and Field-Induced Valence Change in YbxIn1-xCu2. Journal of the Physical Society of Japan, 1988, 57, 405-408. | 1.6 | 25 |
| 164 | Susceptibility and High Field Magnetization of Alâ€“Mn Quasicrystalline and Amorphous Alloys. Journal of the Physical Society of Japan, 1988, 57, 1751-1757. | 1.6 | 27 |
| 165 | Anomalous High Field Magnetization in Sc(Co1-xAlx)2. Journal of the Physical Society of Japan, 1987, 56, 29-31. | 1.6 | 29 |
| 166 | Far Infrared ESR Study of Spin-Peierls Compound MEM(TCNQ)2. Journal of the Physical Society of Japan, 1986, 55, 3225-3233. | 1.6 | 12 |
| 167 | Magnetism of C6Eu. I. Existence of the Four-Spin Exchange Interactions. Journal of the Physical Society of Japan, 1984, 53, 3599-3606. | 1.6 | 17 |
| 168 | Magnetism of C6Eu. II. Instability of the Triangular Spin Structure in the hcp-Liki Antiferromagnet. Journal of the Physical Society of Japan, 1984, 53, 3607-3610. | 1.6 | 15 |