

Masatoshi Sato

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Multipole Fluctuation of Iron Pnictide Superconductor $Ba(Fe_{1-x}Co_x)_{2}As_{2}$. , 2020, , . | | 0 |
| 2 | Local structure study of the iron-based systems of $BaFe_{2}As_{2}$ and $LiFeAs$ by X-ray PDF and XAFS analyses. Physica C: Superconductivity and Its Applications, 2018, 555, 45-53. | 1.2 | 2 |
| 3 | Fast recovery of the stripe magnetic order by Mn/Fe substitution in F-doped $LaFeAsO$ superconductors. Physical Review B, 2017, 95, . | 3.2 | 13 |
| 4 | Critical Slowing Down of Quadrupole and Hexadecapole Orderings in Iron Pnictide Superconductor. Journal of the Physical Society of Japan, 2017, 86, 064706. | 1.6 | 14 |
| 5 | Poisoning effect of Mn in $La_{0.89}Fe_{0.11}F$: Unveiling a quantum critical point. In: Physical Review B, 2014, 89, . | 3.2 | 29 |
| 6 | Magnetic and dielectric properties of one-dimensional array of $S_{1/2}$ linear trimer system $Na_{2}Cu_{3}Ge_{4}O_{12}$. Journal of Applied Physics, 2014, 115, . | 2.5 | 7 |
| 7 | ^{75}As NQR and NMR Studies on the Superconducting State of $Ca_{10}Pt_{4}As_{8}(Fe_{1-x}Pt_xAs)_{10}$. Journal of the Physical Society of Japan, 2014, 83, 014712. | 1.6 | 4 |
| 8 | In-plane anisotropy of the magnetic and the electric properties of the Fe pnictide $Ba(Fe_{1-x}Co_x)_{2}As_{2}$. Journal of the Korean Physical Society, 2013, 63, 481-485. | 0.7 | 5 |
| 9 | $Ru_{1-x}Fe_x$ pnictide superconductors. Physical Review B, 2012, 85, 1. | 3.2 | 17 |
| 10 | X-ray diffraction study of spontaneous strain in Fe-pnictide superconductor, $NdFeAsO_{0.89}F_{0.11}$. European Physical Journal B, 2012, 85, 1. | 1.5 | 13 |
| 11 | Study of Ni-Doping Effect of Specific Heat and Transport Properties for $LaFe_{1-y}Ni_yAsO_{0.89}F_{0.11}$. Journal of the Physical Society of Japan, 2011, 80, 084720. | 1.6 | 20 |
| 12 | Crystal Structure of New Pt-Doped Fe Pnictide Superconductors. Journal of the Physical Society of Japan, 2011, 80, 073710. | 1.6 | 7 |
| 13 | Magnetic Excitation Spectra of Superconducting $CaFePtAs$ System. Journal of the Physical Society of Japan, 2011, 80, 093709. | 1.6 | 13 |
| 14 | Neutron Scattering Study of Magnetic Excitation Spectra of $Ba(Fe_{0.9}Co_{0.1})_{2}As_{2}$. Journal of the Physical Society of Japan, 2011, 80, 073703. | 1.6 | 11 |
| 15 | Effects of ppm-Level Imperfection on the Transport Properties of $FeSb_{2}$ Single Crystals. Journal of the Physical Society of Japan, 2011, 80, 054708. | 1.6 | 18 |
| 16 | Quadrupole Effects of Layered Iron Pnictide Superconductor $Ba(Fe_{0.9}Co_{0.1})_{2}As_{2}$. Journal of the Physical Society of Japan, 2011, 80, 073702. | 1.6 | 77 |
| 17 | Multiferroic Behavior in the Quasi-One-Dimensional Frustrated Spin-1/2 System $PbCuSO_{4}(OH)_{2}$ with CuO_{2} Ribbon Chains. Journal of the Physical Society of Japan, 2011, 80, 033707. | 1.6 | 41 |
| 18 | Magnetic Ordering in V-Layers of the Superconducting System of $Sr_{2}VFeAsO_{3}$. Journal of the Physical Society of Japan, 2010, 79, 123712. | 1.6 | 17 |

| # | ARTICLE | IF | CITATIONS |
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| 19 | <p>Structure of neutron-scattering peaks in both $\text{LaFeAsO}_{1-x}\text{F}_x$ and $\text{LaFeAsO}_{1-y}\text{Co}_y\text{AsO}_{1-x}$ states of an iron pnictide superconductor. <i>Physical Review B</i>, 2010, 81, .</p> <p>High-Temperature Multiferroic State of RBaCuFeO_{5-x} (R = Y, Lu, and Tm). <i>Journal of the Physical Society of Japan</i>, 2010, 79, 073705.</p> | 3.2 | 120 |
| 20 | <p>Studies on Effects of Impurity Doping and NMR Measurements of La 1111 and/or Nd 1111 Fe-Pnictide Superconductors. <i>Journal of the Physical Society of Japan</i>, 2010, 79, 014710.</p> | 1.6 | 23 |
| 21 | <p>Effects of Ru Doping on the Transport Behavior and Superconducting Transition Temperature of $\text{NdFeAsO}_{0.89}\text{F}_{0.11}$. <i>Journal of the Physical Society of Japan</i>, 2010, 79, 023702.</p> | 1.6 | 66 |
| 22 | <p>Structural Transition of Li_2RuO_3 Induced by Molecular-Orbit Formation. <i>Journal of the Physical Society of Japan</i>, 2009, 78, 094706.</p> | 1.6 | 30 |
| 23 | <p>Studies of Multiferroic System LiCu_2O_2: I. Sample Characterization and Relationship between Magnetic Properties and Multiferroic Nature. <i>Journal of the Physical Society of Japan</i>, 2009, 78, 084720.</p> | 1.6 | 37 |
| 24 | <p>Crystal Structure and Magnetic Properties of $\text{CoZn}(\text{TeO}_3)\text{Br}_2$. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 084707.</p> | 1.6 | 2 |
| 25 | <p>Relationship between Magnetic Structure and Ferroelectricity of LiVCuO_4. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 023712.</p> | 1.6 | 72 |
| 26 | <p>On the Magnetic Structure of Quasi One Dimensional Spin 1/2 System of $\text{Li}_2\text{ZrCuO}_4$. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 043703.</p> | 1.6 | 21 |
| 27 | <p>Superconductivity of $\text{LaFeCoAsO}_{1-x}\text{F}_x$. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 103704.</p> | 1.6 | 83 |
| 28 | <p>NMR Studies of Successive Phase Transitions in $\text{Na}_{0.5}\text{CoO}_2$ and $\text{K}_{0.5}\text{CoO}_2$. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 074704.</p> | 1.6 | 8 |
| 29 | <p>Parallel electric fields in nonlinear magnetosonic waves in an electron-positron-ion plasma. <i>Physics of Plasmas</i>, 2008, 15, 082309.</p> | 1.9 | 11 |
| 30 | <p>Magnetic Excitations of Spin-Gap System $\text{Na}_3\text{Cu}_2\text{SbO}_6$ with Distorted Honeycomb Structure. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 104709.</p> | 1.6 | 36 |
| 31 | <p>Evolution of Magnetohydrodynamic Waves and Acceleration of Particles in a Collision of Two Plasmas. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 084502.</p> | 1.6 | 2 |
| 32 | <p>Studies of the Superconductivity of $\text{LaFe}_{1-y}\text{Co}_y\text{AsO}_{1-x}\text{F}_x$ ($x=0.11$) "Impurity Effect and NMR Knight Shift". <i>Journal of the Physical Society of Japan</i>, 2008, 77, 147-148.</p> | 1.6 | 12 |
| 33 | <p>Isotope Effect on Superconducting Transition Temperature of $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$. <i>Journal of the Physical Society of Japan</i>, 2008, 77, 094713.</p> | 1.6 | 4 |
| 34 | <p>Successive Magnetic Transitions of the Kagomé Staircase Compound $\text{Co}_3\text{V}_2\text{O}_8$ Studied in Various Magnetic Fields. <i>Journal of the Physical Society of Japan</i>, 2007, 76, 034706.</p> | 1.6 | 25 |
| 35 | <p>New-Type Phase Transition of Li_2RuO_3 with Honeycomb Structure. <i>Journal of the Physical Society of Japan</i>, 2007, 76, 033705.</p> | 1.6 | 109 |

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| 38 | Evolution of Oblique Shock Waves in a Reversed External Magnetic Field and Associated Electron Acceleration. Journal of the Physical Society of Japan, 2007, 76, 104501. | 1.6 | 1 |
| 39 | Ferroelectric Transition Induced by the Incommensurate Magnetic Ordering in LiCuVO ₄ . Journal of the Physical Society of Japan, 2007, 76, 023708. | 1.6 | 149 |
| 40 | T_{3Q} Phase Diagram of Hydrated Cobalt Oxides Na ₂ CoO ₂ · γ H ₂ O. Journal of the Physical Society of Japan, 2007, 76, 103705. | 1.6 | 12 |
| 41 | Spin-Gap Behavior of Na ₃ Cu ₂ SbO ₆ with Distorted Honeycomb Structure. Journal of the Physical Society of Japan, 2006, 75, 084707. | 1.6 | 78 |
| 42 | Anomalous Hall Resistivity of TbBaCo ₂ O _{5.53} with Nontrivial Magnetic Structure. Journal of the Physical Society of Japan, 2006, 75, 114710. | 1.6 | 1 |
| 43 | Existence of Co ³⁺ -Low-Spin State in TbBaCo ₂ O _{5.5} . Journal of the Physical Society of Japan, 2006, 75, 104708. | 1.6 | 17 |
| 44 | Metal-insulator transition induced by electronic and structural modulations in oxygen-deficient perovskite-type TbBaCo ₂ O _{5.5} . Physica Status Solidi (B): Basic Research, 2006, 243, 1813-1822. | 1.5 | 14 |
| 45 | Magnetic Structure of YBaCo ₄ O ₇ with Kagome and Triangular Lattices. Journal of the Physical Society of Japan, 2006, 75, 054707. | 1.6 | 61 |
| 46 | Magnetic and Metal-insulator Transitions in \hat{I}^2 -Na _{0.5} CoO ₂ and \hat{I}^3 -K _{0.5} CoO ₂ - NMR and Neutron Diffraction Studies. Journal of the Physical Society of Japan, 2006, 75, 034716. | 1.6 | 20 |
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| 48 | Electron acceleration due to small pulses in shock waves in inhomogeneous plasmas: Perpendicular propagation. Physics of Plasmas, 2006, 13, 063110. | 1.9 | 9 |
| 49 | Studies of Anomalous Hall Effect and Magnetic Structure of Nd ₂ Mo ₂ O ₇ - Test of Chirality Mechanism. Journal of the Physical Society of Japan, 2006, 75, 084711. | 1.6 | 28 |
| 50 | Magnetic and Charge Ordering Transitions of PrBaCo ₂ O ₅ . Journal of the Physical Society of Japan, 2005, 74, 1875-1876. | 1.6 | 2 |
| 51 | On the Magnetic Excitation Spectra of High-T _c Cu Oxides at Energies Up to the Region Far above the Resonance Energy. Journal of the Physical Society of Japan, 2005, 74, 275-278. | 1.6 | 10 |
| 52 | ⁵⁹ Co-NMR Knight Shift of Superconducting Three-Layer Na _x CoO ₂ · γ H ₂ O. Journal of the Physical Society of Japan, 2005, 74, 2563-2567. | 1.6 | 1 |
| 53 | ESR Studies on Quasi One-Dimensional Spin System TiOBr. Journal of the Physical Society of Japan, 2005, 74, 473-477. | 1.6 | 15 |
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| 55 | Correlation between the metal-insulator transition and the electronic density of states near the Fermi level in oxygen-deficient perovskite-type NdBaCo ₂ O _{5.5} . Physica Status Solidi (B): Basic Research, 2005, 242, 1422-1430. | 1.5 | 4 |
| 56 | ⁵⁹ Co-NMR Knight Shift of Aligned Crystals and Polycrystalline Samples of Superconducting Na _{0.3} CoO ₂ ·1.3H ₂ O. Journal of the Physical Society of Japan, 2005, 74, 1800-1805. | 1.6 | 50 |
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| 61 | Evolution of the electronic structure from electron-doped to hole-doped states in the two-dimensional Mott-Hubbard system La _{1.17-x} Pb _x VS _{3.17} . Physical Review B, 2004, 69, . | 3.2 | 7 |
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| 65 | Magnetic Structures and Spin States of NdBaCo ₂ O ₅ . Journal of the Physical Society of Japan, 2004, 73, 464-468. | 1.6 | 40 |
| 66 | Anomalous Hall Effect and Magnetoresistance of SrFe _{1-x} Co _x O _{3-δ} . Journal of the Physical Society of Japan, 2003, 72, 357-363. | 1.6 | 9 |
| 67 | Ferromagnetic Transition of Pyrochlore Compound Yb ₂ Ti ₂ O ₇ . Journal of the Physical Society of Japan, 2003, 72, 3014-3015. | 1.6 | 101 |
| 68 | Spin – Glass-like Transition and Hall Resistivity of Y _{2-x} Bi _x Ir ₂ O ₇ . Journal of the Physical Society of Japan, 2003, 72, 1226-1230. | 1.6 | 27 |
| 69 | Anomalous Hall Effect of Reentrant Spin Glass System Fe _{1-x} Al _x (x ^{1/4} 0.3). Journal of the Physical Society of Japan, 2003, 72, 1491-1494. | 1.6 | 16 |
| 70 | ⁵⁹ Co-NMR Knight Shift of Superconducting Na _x CoO ₂ ·yH ₂ O. Journal of the Physical Society of Japan, 2003, 72, 2453-2455. | 1.6 | 72 |
| 71 | ⁵⁹ Co NQR Study on Superconducting Na _x CoO ₂ ·yH ₂ O. Journal of the Physical Society of Japan, 2003, 72, 2161-2164. | 1.6 | 59 |
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| 74 | Study on Anomalous Hall Resistivity of $\text{Nd}_2\text{Mo}_{2-x}\text{Ti}_x\text{O}_7$. Journal of the Physical Society of Japan, 2001, 70, 3006-3010. | 1.6 | 20 |
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| 79 | Pattern formation in the instability of a vicinal surface by the drift of adatoms. Physical Review E, 1999, 60, 7120-7125. | 2.1 | 15 |
| 80 | $^{51}\text{V-NMR}$ Studies on the Spin Dynamics of $\text{S}=\frac{1}{2}$ Zig-Zag Chains of VO_5 Pyramids. Journal of the Physical Society of Japan, 1999, 68, 273-278. | 1.6 | 1 |
| 81 | Neutron Inelastic Scattering Study on a Single Crystal of $\text{Tb}_2\text{Ti}_2\text{O}_7$, a Magnetically Frustrated Pyrochlore System. Journal of the Physical Society of Japan, 1999, 68, 3802-3805. | 1.6 | 25 |
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| 85 | On the Magnetic Properties of Systems with Low Dimensional Linkage of VO_5 Pyramids. Journal of the Physical Society of Japan, 1998, 67, 2904-2909. | 1.6 | 12 |
| 86 | Neutron Scattering Study on Metal-Insulator Transitions of BaCoS_2 Induced by External Pressure and by Ni-Doping. Journal of the Physical Society of Japan, 1998, 67, 4235-4242. | 1.6 | 5 |
| 87 | ESR Studies on CaV_4O_9 and CaV_3O_7 . Journal of the Physical Society of Japan, 1997, 66, 3660-3664. | 1.6 | 9 |
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| 89 | Thermal Expansion Coefficient of $\text{BaCo}_{1-x}\text{Ni}_x\text{S}_2$. Journal of the Physical Society of Japan, 1997, 66, 1718-1722. | 1.6 | 8 |
| 90 | $^{51}\text{V-NMR}$ Study of the Misfit Layer Compounds $\text{La}_{1.17-x}\text{Sr}_x\text{VS}_3$. Journal of the Physical Society of Japan, 1997, 66, 4027-4030. | 1.6 | 5 |

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| 92 | Electron and Magnon Contributions to the Thermal Conductivity of YBa ₂ Cu ₃ O _y (6.1 < y < 6.9) at Low Temperatures. Journal of the Physical Society of Japan, 1996, 65, 1551-1554. | 1.6 | 4 |
| 93 | Transport and Magnetic Properties of La ₃ Ni ₂ O _{7-δ} and La ₄ Ni ₃ O _{10-δ} . Journal of the Physical Society of Japan, 1996, 65, 3978-3982. | 1.6 | 49 |
| 94 | Comparison of Cu-Site Substitution Effects of Magnetic and Nonmagnetic Atoms on the Normal State Properties of La _{2-y} Sr _y CuO ₄ up to About 1000 K. Journal of the Physical Society of Japan, 1996, 65, 2946-2951. | 1.6 | 2 |
| 95 | Transport, Magnetic and Thermal Properties of BaCo _{1-x} Ni _x S ₂ . Journal of the Physical Society of Japan, 1995, 64, 2550-2557. | 1.6 | 29 |
| 96 | Superconductivity-Induced Anomalies in c-Axis Polarized Phonon Modes of YBa ₂ Cu ₃ O ₇ Studied by Neutron Inelastic Scattering. Journal of the Physical Society of Japan, 1995, 64, 1462-1465. | 1.6 | 25 |
| 97 | Transport, Magnetic and Thermal Properties of La ₃ Ni ₂ O _{7-δ} . Journal of the Physical Society of Japan, 1995, 64, 1644-1650. | 1.6 | 20 |
| 98 | Structural Studies on the Quasi Two-Dimensional Mott System BaCo _{1-x} Ni _x S _{2-δ} by the X-Ray Rietveld Method. Journal of the Physical Society of Japan, 1995, 64, 2069-2073. | 1.6 | 17 |
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| 101 | Transport Anomalies of Misfit-Layer Compounds La _{1.17-x} Sr _x VS _{3.17} with Mott Metal-Insulator Transition. Journal of the Physical Society of Japan, 1994, 63, 3218-3221. | 1.6 | 27 |
| 102 | Magnetic Order in High-Tc Superconductor La _{2-x} Sr _x CaCu ₂ O ₆ – “La NQR Study”. Journal of the Physical Society of Japan, 1994, 63, 1632-1633. | 1.6 | 6 |
| 103 | Transport Anomalies of High-Tc Oxides above Room Temperature. Journal of the Physical Society of Japan, 1994, 63, 1441-1448. | 1.6 | 152 |
| 104 | Transport and Magnetic Studies of BaCo _{1-x} Ni _x S ₂ . Journal of the Physical Society of Japan, 1994, 63, 3564-3567. | 1.6 | 39 |
| 105 | Thermodynamic Properties of Superconducting YBa ₂ (Cu _{1-x} M _x) ₃ O _{6+y} (M=Zn and Ni) Studied by Reversible Magnetization Measurements. Journal of the Physical Society of Japan, 1994, 63, 2324-2330. | 1.6 | 9 |
| 106 | Neutron Scattering Studies of In-Plane Zone Boundary Phonons of YBa ₂ Cu ₃ O _{6.6} (T _c = 53 K) and YBa ₂ Cu ₃ O _{6.9} (T _c = 90 K). Journal of the Physical Society of Japan, 1994, 63, 1386-1395. | 1.6 | 7 |
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| 109 | Anomalous Behavior of Hall Coefficient and Thermoelectric Power of $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$ and $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ above Room Temperature. Journal of the Physical Society of Japan, 1993, 62, 2571-2574. | 1.6 | 26 |
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| 111 | Substitution Effects on the Thermoelectric Power of $\text{La}_{2-x}\text{Sr}_x\text{Cu}_{1-y}\text{MyO}_4$ (M=Zn and Ni) and $\text{YBa}_2\text{Cu}_3-y\text{ZnyO}_{7-\delta}$. Journal of the Physical Society of Japan, 1993, 62, 281-288. | 1.6 | 27 |
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