

# Hiroshi Takatsu

## List of Publications by Year in descending order

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61  
papers

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citations

331670

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345221

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docs citations

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times ranked

1744  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Pressure Effect on Structural and Physical Properties of $15\text{R-SrVO}_{2.2}\text{N}_{0.6}$ with Anion-Vacancy Order. Journal of the Physical Society of Japan, 2022, 91, .	1.6	0
2	Single-crystal thin film growth of the Mott insulator $\text{EuVO}_3$ under biaxial substrate strain. Journal of Crystal Growth, 2022, 593, 126752.	1.5	1
3	Spin Frustration in Double Perovskite Oxides and Oxynitrides: Enhanced Frustration in $\text{La}_{2}\text{MnTaO}_{5}\text{N}$ with a Large Octahedral Rotation. Inorganic Chemistry, 2021, 60, 8252-8258.	4.0	7
4	Strain-Assisted Topochemical Synthesis of La-Doped $\text{SrVO}_2\text{H}$ Films. Crystal Growth and Design, 2021, 21, 3779-3785.	3.0	3
5	Superconductivity in $\text{Nb}_2\text{Pd}_3\text{Te}_5$ and Chemically-Doped $\text{Ta}_2\text{Pd}_3\text{Te}_5$ . Journal of the Physical Society of Japan, 2021, 90, 063705.	1.6	12
6	Enhanced Magnetic Interaction by Face-Shared Hydride Anions in $6\text{H-BaCrO}_2\text{H}$ . Inorganic Chemistry, 2021, 60, 11957-11963.	4.0	12
7	Spin Frustration in Protonated Rutile Oxides. Journal of the Physical Society of Japan, 2021, 90, 084703.	1.6	0
8	Electrochemical Crystal Growth of Titanium Oxyfluorides—A Strategy for Development of Electron-Doped Materials. Inorganic Chemistry, 2021, 60, 14613-14621.	4.0	1
9	Dehydration of Electrochemically Protonated Oxide: $\text{SrCoO}_2$ with Square Spin Tubes. Journal of the American Chemical Society, 2021, 143, 17517-17525.	13.7	15
10	Universal Dynamics of Magnetic Monopoles in Two-Dimensional Kagomé Ice. Journal of the Physical Society of Japan, 2021, 90, .	1.6	1
11	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923.	12.8	20
12	Electronic Properties of $\text{BaPtP}$ with a Noncentrosymmetric Cubic Crystal Structure. , 2020, , .		2
13	High-mobility carriers induced by chemical doping in the candidate nodal-line semimetal $\text{CaAgP}$ . Physical Review B, 2020, 102, .	3.2	11
14	Epitaxial Stabilization of $\text{SrCu}_3\text{O}_4$ with Infinite $\text{Cu}_{3/2}\text{O}_2$ Layers. Inorganic Chemistry, 2020, 59, 10042-10047.	4.0	4
15	Hidden Ladder in $\text{SrMoO}_3/\text{SrTiO}_3$ Superlattices: Experiments and Theoretical Calculations. Journal of the Physical Society of Japan, 2020, 89, 074801.	1.6	0
16	A Partial Anion Disorder in $\text{SrVO}_2\text{H}$ Induced by Biaxial Tensile Strain. Inorganics, 2020, 8, 26.	2.7	12
17	Fermi surface of $\text{PtCoO}_2$ from quantum oscillations and electronic structure calculations. Physical Review B, 2020, 101, .		
18	Superconductivity in $\text{PtSbS}$ with a Noncentrosymmetric Cubic Crystal Structure. Journal of the Physical Society of Japan, 2019, 88, 093709.	1.6	6

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19	High-Pressure Synthesis of $A_2NiO_2Ag_2Se_2$ (A=Sr, Ba) with a High-Spin $Ni^{2+}$ in Square-Planar Coordination. <i>Angewandte Chemie</i> , 2019, 131, 766-769.	2.0	15
20	High-Pressure Synthesis of Non-Stoichiometric $Li_xWO_3$ (0.5 $\leq x \leq$ 1.0) with $LiNbO_3$ Structure. <i>Inorganics</i> , 2019, 7, 63.	2.7	9
21	Rattling Behavior in a Simple Perovskite $NaWO_3$ . <i>Inorganic Chemistry</i> , 2019, 58, 6790-6795.	4.0	9
22	High-Pressure Synthesis of $A_2NiO_2Ag_2Se_2$ (A=Sr, Ba) with a High-Spin $Ni^{2+}$ in Square-Planar Coordination. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 756-759.	13.8	25
23	Selective Hydride Occupation in $BaVO_3H$ (0.3 $\leq x \leq$ 0.8) with Face- and Corner-Shared Octahedra. <i>Chemistry of Materials</i> , 2018, 30, 1566-1574.	6.7	25
24	Dimensional change of the quadrupole order in pseudospin- $1/2$ pyrochlore magnets under magnetic field in the [111] direction. <i>Physical Review B</i> , 2018, 98, .	8.2	16
25	Continuum Excitation and Pseudospin Wave in Quantum Spin-Liquid and Quadrupole Ordered States of $Tb_2Ti_2O_7$ . <i>Journal of the Physical Society of Japan</i> , 2018, 87, 064704.	1.6	9
26	Field-rotational Magnetocaloric Effect: A New Experimental Technique for Accurate Measurement of the Anisotropic Magnetic Entropy. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 073601.	1.6	8
27	Simultaneous loss of interlayer coherence and long-range magnetism in quasi-two-dimensional $PdCrO_2$ . <i>Nature Communications</i> , 2017, 8, 15001.	12.8	12
28	High-Pressure Synthesis of Fully Occupied Tetragonal and Cubic Tungsten Bronze Oxides. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5770-5773.	13.8	17
29	High-Pressure Synthesis of Fully Occupied Tetragonal and Cubic Tungsten Bronze Oxides. <i>Angewandte Chemie</i> , 2017, 129, 5864-5867.	2.0	4
30	High-Temperature Electrochemical Crystal Growth of Hollandite-Type $Cs_xTi_8O_{16}$ with Controlled Electronic Properties. <i>Crystal Growth and Design</i> , 2017, 17, 5691-5696.	3.0	3
31	Mixed-Spin Diamond Chain $Cu_2FePO_4F_4(H_2O)_4$ with a Noncollinear Spin Order and Possible Successive Phase Transitions. <i>Inorganic Chemistry</i> , 2017, 56, 9353-9360.	4.0	16
32	Anisotropy and multiband superconductivity in $Sr_2RuO_4$ determined by small-angle neutron scattering studies of the vortex lattice. <i>Physical Review B</i> , 2017, 96, .	3.2	13
33	Cubic lead perovskite $PbMoO_3$ with anomalous metallic behavior. <i>Physical Review B</i> , 2017, 95, .	3.2	13
34	Hidden Order and Quantum Spin Liquid States in the Pyrochlore Magnet $Tb_2Ti_2O_7$ . <i>Hamon</i> , 2017, 27, 140-143.	0.0	0
35	Electromagnon dispersion probed by inelastic X-ray scattering in $LiCrO_2$ . <i>Nature Communications</i> , 2016, 7, 13547.	12.8	29
36	Interplanar coupling-dependent magnetoresistivity in high-purity layered metals. <i>Nature Communications</i> , 2016, 7, 10903.	12.8	44

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37	HfMnSb <sub>2</sub> : A Metal-Ordered NiAs-type Pnictide with a Conical Spin Order. Angewandte Chemie, 2016, 128, 10031-10034.	2.0	2
38	HfMnSb <sub>2</sub> : A Metal-Ordered NiAs-type Pnictide with a Conical Spin Order. Angewandte Chemie - International Edition, 2016, 55, 9877-9880.	13.8	5
39	Quadrupole Order in the Frustrated Pyrochlore $Tb_2Ti_2O_7$ . Physical Review Letters, 2016, 116, 217201.	7.8	4
40	Quantum oscillations and magnetic reconstruction in the delafossite $PdCrO_2$ . Physical Review B, 2015, 92, .	3.2	30
41	Composite Spin and Quadrupole Wave in the Ordered Phase of $Tb_2Ti_2O_7$ . Spin, 2015, 05, 1540003.	1.3	21
42	Magnetic frustration, short-range correlations and the role of the paramagnetic Fermi surface of $PdCrO_2$ . Scientific Reports, 2015, 5, 12428.	3.3	29
43	Scaling ansatz for the ac magnetic response in two-dimensional spin ice. Physical Review B, 2014, 90, .	3.2	10
44	Correlation between crystal structure and superconductivity in $LaO_{0.5}F_{0.5}BiS_2$ . Solid State Communications, 2014, 181, 1-4.	1.9	46
45	Magnetic structure of the conductive triangular-lattice antiferromagnet $PdCrO_2$ . Physical Review B, 2014, 89, .	3.2	32
46	Stabilization of High- $T_c$ Phase of $BiS_2$ -Based Superconductor $LaO_{0.5}F_{0.5}BiS_2$ Using High-Pressure Synthesis. Journal of the Physical Society of Japan, 2014, 83, 053704.	1.6	56
47	Extremely Large Magnetoresistance in the Nonmagnetic Metal $PdCoO_2$ . Physical Review Letters, 2013, 111, 077201.	7.8	89
48	Long-range order and spin-liquid states of polycrystalline $Tb_2Ti_2O_7$ . Physical Review B, 2013, 87, .	3.2	76
49	Electronic structure of the metallic antiferromagnet $PdCrO_2$ measured by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	3.2	32
50	Oxygen Hole State in A-site Ordered Perovskite $ACu_3Ru_4O_{12}$ ( $A = Tj, ET, Q, O, O, rg, BT$ ). Journal of the Physical Society of Japan, 2013, 82, 024709.	1.6	12
51	Two-Dimensional Monopole Dynamics in the Dipolar Spin Ice $Dy_2Ti_2O_7$ . Journal of the Physical Society of Japan, 2013, 82, 073707.	1.6	13
52	AC Susceptibility of the Dipolar Spin Ice $Dy_2Ti_2O_7$ : Experiments and Monte Carlo Simulations. Journal of the Physical Society of Japan, 2013, 82, 104710.	1.6	18
53	Quantum spin fluctuations in the spin-liquid state of $Tb_2Ti_2O_7$ . Journal of Physics Condensed Matter, 2012, 24, 052201.	1.8	42
54	Absence of Anomalous Negative Lattice-Expansion for Polycrystalline Sample of $Tb_2Ti_2O_7$ . Journal of the Physical Society of Japan, 2012, 81, 015001.	1.6	12

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55	Quantum Oscillations and High Carrier Mobility in the Delafossite $\text{PdCoO}_2$ . Physical Review Letters, 2012, 109, 116401.	7.8	110
56	Bulk Superconductivity in $\text{Bi}_4\text{O}_4\text{S}_3$ Revealed by Specific Heat Measurement. Journal of the Physical Society of Japan, 2012, 81, 125002.	1.6	31
57	Unconventional Anomalous Hall Effect in the Metallic Triangular-Lattice Magnet $\text{PdCrO}_2$ . Physical Review Letters, 2010, 105, 137201.	7.8	91
58	Critical behavior of the metallic triangular-lattice Heisenberg antiferromagnet $\text{PdCrO}_2$ . Physical Review B, 2009, 79, .	3.2	69
59	Heavy-Mass Behavior of Ordered Perovskites $\text{ACu}_3\text{Ru}_4\text{O}_{12}$ ( $A = \text{Na, Ca, La}$ ). Journal of the Physical Society of Japan, 2009, 78, 024706.	1.6	43
60	Superconducting State of Silver-Oxide Clathrate $\text{Ag}_6\text{O}_8\text{AgNO}_3$ . Journal of the Physical Society of Japan, 2008, 77, 024707.	1.6	7
61	Roles of High-Frequency Optical Phonons in the Physical Properties of the Conductive Delafossite $\text{PdCoO}_2$ . Journal of the Physical Society of Japan, 2007, 76, 104701.	1.6	74