

Hiroshi Takatsu

List of Publications by Year in descending order

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docs citations

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times ranked

1744
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Oscillations and High Carrier Mobility in the Delafossite PdCoO_2 . Physical Review Letters, 2012, 109, 116401.	7.8	110
2	Unconventional Anomalous Hall Effect in the Metallic Triangular-Lattice Magnet PdCrO_2 . Physical Review Letters, 2010, 105, 137201.	7.8	91
3	Extremely Large Magnetoresistance in the Nonmagnetic Metal PdCoO_2 . Physical Review Letters, 2012, 109, 116401.	7.8	89
4	Long-range order and spin-liquid states of polycrystalline TbTi_2O_7 . Physical Review B, 2013, 87, .	3.2	76
5	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.	1.6	74
6	Critical behavior of the metallic triangular-lattice Heisenberg antiferromagnet PdCrO_2 . Physical Review B, 2009, 79, .	3.2	69
7	Stabilization of High- T_c Phase of BiS_2 -Based Superconductor $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiS}_2$ Using High-Pressure Synthesis. Journal of the Physical Society of Japan, 2014, 83, 053704.	1.6	56
8	Correlation between crystal structure and superconductivity in $\text{LaO}_{0.5}\text{F}_{0.5}\text{BiS}_2$. Solid State Communications, 2014, 181, 1-4.	1.9	46
9	Interplanar coupling-dependent magnetoresistivity in high-purity layered metals. Nature Communications, 2016, 7, 10903.	12.8	44
10	Quadrupole Order in the Frustrated Pyrochlore $\text{Tb}_2\text{Ti}_2\text{O}_7$. Physical Review Letters, 2016, 116, 217201.	3.2	44
11	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
12	Quantum spin fluctuations in the spin-liquid state of $\text{Tb}_2\text{Ti}_2\text{O}_7$. Journal of Physics Condensed Matter, 2012, 24, 052201.	1.8	42
13	Electronic structure of the metallic antiferromagnet PdCrO_2 measured by angle-resolved photoemission spectroscopy. Physical Review B, 2013, 88, .	3.2	32
14	Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO_2 . Physical Review B, 2014, 89, .	3.2	32
15	Bulk Superconductivity in Bi_4S_3 Revealed by Specific Heat Measurement. Journal of the Physical Society of Japan, 2012, 81, 125002.	1.6	31
16	Quantum oscillations and magnetic reconstruction in the delafossite PdCrO_2 . Physical Review B, 2015, 92, .	3.2	30
17	Magnetic frustration, short-range correlations and the role of the paramagnetic Fermi surface of PdCrO_2 . Scientific Reports, 2015, 5, 12428.	3.3	29
18	Electromagnon dispersion probed by inelastic X-ray scattering in LiCrO_2 . Nature Communications, 2016, 7, 13547.	12.8	29

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19	Selective Hydride Occupation in BaVO ₃ H (0.3 at% 0.8) with Face- and Corner-Shared Octahedra. Chemistry of Materials, 2018, 30, 1566-1574.	6.7	25
20	High-Pressure Synthesis of A ₂ NiO ₂ Ag ₂ Se ₂ (A=Sr, Ba) with a High-Spin Ni ²⁺ in Square-Planar Coordination. Angewandte Chemie - International Edition, 2019, 58, 756-759.	13.8	25
21	Composite Spin and Quadrupole Wave in the Ordered Phase of Tb ₂ Ti ₂ O ₇ . Spin, 2015, 05, 1540003.	1.3	21
22	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923.	12.8	20
23	AC Susceptibility of the Dipolar Spin Ice Dy ₂ Ti ₂ O ₇ : Experiments and Monte Carlo Simulations. Journal of the Physical Society of Japan, 2013, 82, 104710.	1.6	18
24	High-Pressure Synthesis of Fully Occupied Tetragonal and Cubic Tungsten Bronze Oxides. Angewandte Chemie - International Edition, 2017, 56, 5770-5773.	13.8	17
25	Mixed-Spin Diamond Chain Cu ₂ FePO ₄ F ₄ (H ₂ O) ₄ with a Noncollinear Spin Order and Possible Successive Phase Transitions. Inorganic Chemistry, 2017, 56, 9353-9360.	4.0	16
26	High-Pressure Synthesis of A ₂ NiO ₂ Ag ₂ Se ₂ (A=Sr, Ba) with a High-Spin Ni ²⁺ in Square-Planar Coordination. Angewandte Chemie, 2019, 131, 766-769.	2.0	15
27	Dehydration of Electrochemically Protonated Oxide: SrCoO ₂ with Square Spin Tubes. Journal of the American Chemical Society, 2021, 143, 17517-17525.	13.7	15
28	Two-Dimensional Monopole Dynamics in the Dipolar Spin Ice Dy ₂ Ti ₂ O ₇ . Journal of the Physical Society of Japan, 2013, 82, 073707.	1.6	13
29	Anisotropy and multiband superconductivity in Sr ₂ RuO ₄ determined by small-angle neutron scattering studies of the vortex lattice. Physical Review B, 2017, 96, .	3.2	13
30	Cubic lead perovskite PbMoO ₃ with anomalous metallic behavior. Physical Review B, 2017, 95, .	3.2	13
31	Absence of Anomalous Negative Lattice-Expansion for Polycrystalline Sample of Tb ₂ Ti ₂ O ₇ . Journal of the Physical Society of Japan, 2012, 81, 015001.	1.6	12
32	Oxygen Hole State in A-site Ordered Perovskite ACu ₃ Ru ₄ O ₁₂ (A =) Tj ETQq0 0 0 rgBT /Overlock Japan, 2013, 82, 024709.	1.6	12
33	Simultaneous loss of interlayer coherence and long-range magnetism in quasi-two-dimensional PdCrO ₂ . Nature Communications, 2017, 8, 15001.	12.8	12
34	A Partial Anion Disorder in SrVO ₂ H Induced by Biaxial Tensile Strain. Inorganics, 2020, 8, 26.	2.7	12
35	Superconductivity in Nb ₂ Pd ₃ Te ₅ and Chemically-Doped Ta ₂ Pd ₃ Te ₅ . Journal of the Physical Society of Japan, 2021, 90, 063705.	1.6	12
36	Enhanced Magnetic Interaction by Face-Shared Hydride Anions in 6H-BaCrO ₂ H. Inorganic Chemistry, 2021, 60, 11957-11963.	4.0	12

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37	High-mobility carriers induced by chemical doping in the candidate nodal-line semimetal CaAgP. <i>Physical Review B</i> , 2020, 102, .	3.2	11
38	Scaling ansatz for the ac magnetic response in two-dimensional spin ice. <i>Physical Review B</i> , 2014, 90, .	3.2	10
39	Continuum Excitation and Pseudospin Wave in Quantum Spin-Liquid and Quadrupole Ordered States of $Tb_{2+x}Ti_{2\hat{x}}O_{7+y}$. <i>Journal of the Physical Society of Japan</i> , 2018, 87, 064704.	1.6	9
40	High-Pressure Synthesis of Non-Stoichiometric Li_xWO_3 (0.5 \hat{x} 1.0) with $LiNbO_3$ Structure. <i>Inorganics</i> , 2019, 7, 63.	2.7	9
41	Rattling Behavior in a Simple Perovskite $NaWO_3$. <i>Inorganic Chemistry</i> , 2019, 58, 6790-6795.	4.0	9
42	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
43	Superconducting State of Silver-Oxide Clathrate $Ag_6O_8AgNO_3$. <i>Journal of the Physical Society of Japan</i> , 2008, 77, 024707.	1.6	7
44	Fermi surface of $PtCoO_2$ from quantum oscillations and electronic structure calculations. <i>Physical Review B</i> , 2020, 101, .	1.6	7
45	Spin Frustration in Double Perovskite Oxides and Oxynitrides: Enhanced Frustration in La_2MnTa_5N with a Large Octahedral Rotation. <i>Inorganic Chemistry</i> , 2021, 60, 8252-8258.	4.0	7
46	Superconductivity in $PtSbS$ with a Noncentrosymmetric Cubic Crystal Structure. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 093709.	1.6	6
47	$HfMnSb_2$: A Metal-Ordered NiAs-Type Pnictide with a Conical Spin Order. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9877-9880.	13.8	5
48	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, .	3.2	4
49	High-Pressure Synthesis of Fully Occupied Tetragonal and Cubic Tungsten Bronze Oxides. <i>Angewandte Chemie</i> , 2017, 129, 5864-5867.	2.0	4
50	Epitaxial Stabilization of $SrCu_3O_4$ with Infinite $Cu_{3/2}O_2$ Layers. <i>Inorganic Chemistry</i> , 2020, 59, 10042-10047.	4.0	4
51	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
52	Strain-Assisted Topochemical Synthesis of La-Doped $SrVO_2H$ Films. <i>Crystal Growth and Design</i> , 2021, 21, 3779-3785.	3.0	3
53	$HfMnSb_2$: A Metal-Ordered NiAs-Type Pnictide with a Conical Spin Order. <i>Angewandte Chemie</i> , 2016, 128, 10031-10034.	2.0	2
54	Electronic Properties of $BaPtP$ with a Noncentrosymmetric Cubic Crystal Structure. , 2020, , .		2

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55	Electrochemical Crystal Growth of Titanium Oxyfluorides—A Strategy for Development of Electron-Doped Materials. <i>Inorganic Chemistry</i> , 2021, 60, 14613-14621.	4.0	1
56	Universal Dynamics of Magnetic Monopoles in Two-Dimensional Kagomé Ice. <i>Journal of the Physical Society of Japan</i> , 2021, 90, .	1.6	1
57	Single-crystal thin film growth of the Mott insulator EuVO ₃ under biaxial substrate strain. <i>Journal of Crystal Growth</i> , 2022, 593, 126752.	1.5	1
58	Hidden Ladder in SrMoO ₃ /SrTiO ₃ Superlattices: Experiments and Theoretical Calculations. <i>Journal of the Physical Society of Japan</i> , 2020, 89, 074801.	1.6	0
59	Spin Frustration in Protonated Rutile Oxides. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 084703.	1.6	0
60	Hidden Order and Quantum Spin Liquid States in the Pyrochlore Magnet Tb ₂ Ti ₂ O ₇ . <i>Hamon</i> , 2017, 27, 140-143.	0.0	0
61	Chemical Pressure Effect on Structural and Physical Properties of 15R-SrVO _{2.2} N _{0.6} with Anion-Vacancy Order. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	0