

Ryuji Okazaki

List of Publications by Year in descending order

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95
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95
docs citations

95
times ranked

2658
citing authors

#	ARTICLE	IF	CITATIONS
1	Prominent electron-hole asymmetry in thermoelectric transport of LaCoO_3 . Physical Review B, 2022, 105, .	3.2	3
2	Third-order Electrical Conductivity of the Charge-ordered Organic Salt $\text{Î±}-(\text{BEDT-TTF})_2\text{I}_3$. Journal of the Physical Society of Japan, 2022, 91, .	1.6	0
3	Enhanced Seebeck coefficient through magnetic fluctuations in Sr_2O_4 . Physical Review B, 2022, 105, .	3.2	3
4	Electrical resistivity and thermopower of hole-doped delafossite CuCoO_2 polycrystals. Japanese Journal of Applied Physics, 2021, 60, 013001.	1.5	10
5	Crossover from itinerant to localized states in the thermoelectric oxide Sr_2O_4 . Physical Review B, 2021, 103, .	3.2	3
6	Current-induced Giant Lattice Deformation in the Mott Insulator Ca_2RuO_4 . Journal of the Physical Society of Japan, 2020, 89, 044710.	1.6	12
7	Interplay between quantum paraelectricity and thermoelectricity in the photo-Seebeck effect in a SrTiO_3 single crystal. Journal of Applied Physics, 2019, 126, 045111.	2.5	4
8	Correlation in transport coefficients of hole-doped CuRhO_2 single crystals. Physical Review B, 2019, 99, .	3.2	11
9	Enhanced Seebeck coefficient by a filling-induced Lifshitz transition in KxRhO_2 . Physical Review B, 2019, 99, .	3.2	10
10	Spectroscopic signature of trimer Mott insulator and charge disproportionation in BaRuO_3 . Physical Review B, 2018, 98, .	3.2	3
11	Quantum Paramagnet Near Spin- \uparrow State Transition. Advanced Quantum Technologies, 2018, 1, 1800057.	3.9	5
12	Enhanced thermopower via spin-state modification. Physical Review B, 2018, 98, .	3.2	12
13	Optical control of dielectric permittivity in $\text{LaAlO}_3/\text{ZnO}$. Applied Physics Letters, 2017, 110, .	3.3	13
14	Optical evidence for the spin-state disorder in $\text{LaCo}_{1-x}\text{Rh}_x\text{O}_3$. Journal of Physics Condensed Matter, 2017, 29, 235802.	1.8	3
15	Electron correlation effect in the thermoelectric oxide $\text{Ca}_3\text{Sr}_4\text{Co}_9\text{O}_{29}$ single crystals. Japanese Journal of Applied Physics, 2017, 56, 043201.	1.5	3
16	Spin State of Co^{3+} in $\text{LaCo}_{1-x}\text{Rh}_x\text{O}_3$ Studied Using X-ray Absorption Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 094701.	1.6	5
17	Magnetolectric Coupling in the Pyrochlore Ruthenate $\text{Gd}_2\text{Ru}_2\text{O}_7$. Journal of the Physical Society of Japan, 2017, 86, 084708.	1.6	2
18	Anomalous Thermoelectric Response in an Orbital-Ordered Oxide Near and Far from Equilibrium. Journal of the Physical Society of Japan, 2017, 86, 093707.	1.6	11

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19	Nonlinear transport associated with spin density wave dynamics in CaMn_3O_9 . Physical Review B, 2017, 96, .	3.2	4
20	Novel Charge Ordering in the Trimer Iridium Oxide BaIrO_3 . Crystals, 2016, 6, 27.	2.2	10
21	Thermoelectric transport in the layered $\text{Ca}_3\text{Co}_4\text{Rh}_x\text{O}_9$ single crystals. Journal of Applied Physics, 2016, 119, 225105.	2.5	10
22	Colossal Seebeck effect enhanced by quasi-ballistic phonons dragging massive electrons in FeSb_2 . Nature Communications, 2016, 7, 12732.	12.8	55
23	Ferromagnetic Cluster Glass Phase Embedded in a Paramagnetic and Metallic Host in Non-Uniform Magnetic System $\text{CaRu}_2\text{Sc}_x\text{O}_3$. Journal of the Physical Society of Japan, 2016, 85, 034711.	1.6	7
24	Search for non-equilibrium thermoelectrics. Scripta Materialia, 2016, 111, 23-28.	5.2	18
25	Optical conductivity of layered calcium cobaltate $\text{Ca}_3\text{Co}_4\text{O}_9$. Journal of Physics Condensed Matter, 2016, 28, 085601.	1.8	6
26	Heterovalent Pb-substitution in ferroelectric bismuth silicate Bi_2SiO_5 . Journal of Materials Chemistry C, 2016, 4, 3168-3174.	5.5	15
27	Photo-Seebeck effect in polycrystalline ZnO. Journal of Applied Physics, 2015, 118, .	2.5	12
28	Effects of the Ir Impurity on the Thermodynamic and Transport Properties of $\text{Ba}_4\text{Ru}_3\text{O}_{10}$. Journal of the Physical Society of Japan, 2015, 84, 094601.	1.6	3
29	Non-uniform Magnetic System Driven by Non-magnetic Ion Substitution in $\text{CaRu}_2\text{Sc}_x\text{O}_3$: Two-Component Analysis. Journal of the Physical Society of Japan, 2015, 84, 014708.	1.6	3
30	Effects of element substitution on the pyroelectric phase transition of stuffed-tridymite-type BaZnGeO_4 . Solid State Communications, 2015, 219, 12-15.	1.9	8
31	Ruthenium oxide as a thermoelectric material: unconventional thermoelectric properties of Li_2RuO_3 . Journal of Materials Chemistry C, 2015, 3, 10430-10435.	5.5	6
32	Anomalous magnetic order in the magnetoelectric oxide NdCrTiO_5 by impurity effects. Physical Review B, 2015, 91, .	1.2	10
33	Photo-Seebeck effect in ZnS. Japanese Journal of Applied Physics, 2015, 54, 031203.	1.5	17
34	An origin of good electrical conduction in $\text{La}_4\text{BaCu}_5\text{O}_{13+\delta}$. Journal of Applied Physics, 2015, 118, 035104.	2.5	3
35	Weak Ferromagnetic Ordering Disordered by Rh^{3+} Ions for $\text{LaCo}_{0.8}\text{Rh}_{0.2}\text{O}_3$. , 2014, , .		1
36	Photo-transport properties of Pb_2CrO_5 single crystals. Journal of Applied Physics, 2014, 116, .	2.5	11

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37	Electrical oscillation in SmS induced by a constant external voltage. Physical Review B, 2014, 89, .	3.2	8
38	Unconventional magnetism in the layered oxide LaSrRhO_4 . Physical Review B, 2014, 90, .	1.2	1
39	Photo-induced change of dielectric response in BaCoSiO ₄ stuffed tridymite. Journal of Applied Physics, 2014, 115, .	2.5	19
40	Pseudogap Observed in the Charge Transport in the Thermoelectric Oxide $\text{Ca}_3\text{Bi}_4\text{Co}_9\text{O}_{29}$ Single Crystals. Journal of the Physical Society of Japan, 2014, 83, 054710.	1.6	10
41	Possible Existence of Two Charge-Ordered Phases in $\text{Pr}_{1-x}\text{Ca}_x\text{MnO}_3$ for $0.40 \leq x \leq 0.50$. Journal of the Physical Society of Japan, 2014, 83, 064709.	1.6	4
42	Trials for oxide photo-thermoelectrics. Materials for Renewable and Sustainable Energy, 2014, 3, 1.	3.6	13
43	Low Temperature Magnetic Properties of Frustrated Quantum Spin Chain System $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. , 2014, , .		9
44	Disorder Effect for an Orbital Order in Ca_2RuO_4 Revealed by Infrared Imaging Spectroscopy. Journal of the Physical Society of Japan, 2014, 83, 084701.	1.6	8
45	Optical Study of a Novel Phase Transition from Dimer-Mott to Charge-Order Insulator. , 2014, , .		0
46	Atomic layer deposition of Al-doped ZnO thin films. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2013, 31, .	2.1	27
47	Quantum-limit linkage of $\tilde{\text{strange}}$ and conventional metal states of high-T _c superconductors. Physica C: Superconductivity and Its Applications, 2013, 493, 15-17.	1.2	0
48	Electron doping of ALD-grown ZnO thin films through Al and P substitutions. Journal of Materials Science, 2013, 48, 2806-2811.	3.7	18
49	Optical Conductivity Measurement of a Dimer Mott-Insulator to Charge-Order Phase Transition in a Two-Dimensional Quarter-Filled Organic Salt Compound. Physical Review Letters, 2013, 111, 217801.	7.8	13
50	Current-Induced Gap Suppression in the Mott Insulator Ca_2RuO_4 . Journal of the Physical Society of Japan, 2013, 82, 103702.	1.6	53
51	Magnetic field induced ferroelectric transition of quasi one-dimensional frustrated quantum spin chain system $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. Journal of Applied Physics, 2013, 113, 17D910.	2.5	15
52	Origin of the energy gap in the narrow-gap semiconductor FeSb ₂ revealed by high-pressure magnetotransport measurements. Physical Review B, 2013, 88, .	3.2	11
53	Dielectric anomaly in the quasi one-dimensional frustrated spin $\frac{1}{2}$ system $\text{Rb}_2\text{Cu}_2\text{Mo}_3\text{O}_{12}$. Physical Review B, 2013, 88, .		

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55	Spin State of Co ³⁺ in LaCo _{1-x} Rh _x O ₃ Investigated by Structural Phenomena. Journal of the Physical Society of Japan, 2013, 82, 114606.	1.6	7
56	X-ray Crystal Structure Analysis and Ru Valence of Ba ₄ Ru ₃ O ₁₀ Single Crystals. Journal of the Physical Society of Japan, 2013, 82, 104603.	1.6	10
57	Vortex Lattice Melting Transition. Springer Theses, 2013, , 73-98.	0.1	0
58	Magnetic Torque Study on the Hidden-Order Phase. Springer Theses, 2013, , 19-49.	0.1	0
59	Lower Critical Field Study on the Superconducting Phase. Springer Theses, 2013, , 51-72.	0.1	0
60	Photo-Seebeck Effect in ZnO. Journal of the Physical Society of Japan, 2012, 81, 114722.	1.6	32
61	Ga substitution effects in the weak ferromagnetic oxide LaCo ₃ . Journal of Applied Physics, 2012, 112, 073714.	3.2	12
62	High-temperature thermoelectric properties of the double-perovskite ruthenium oxide (Sr _{1-x} La _x) ₂ ErRuO ₆ . Journal of Applied Physics, 2012, 112, 073714.	2.5	16
63	Controllable chirality-induced geometrical Hall effect in a frustrated highly correlated metal. Nature Communications, 2012, 3, 1067.	12.8	51
64	Rotational Symmetry Breaking in the Hidden-Order Phase of URu ₂ Si ₂ . Science, 2011, 331, 439-442.	12.6	229
65	Anomalous low-field diamagnetic response in ultraclean URu ₂ Si ₂ superconductor. Journal of Physics: Conference Series, 2011, 273, 012081.	0.4	3
66	Low-temperature magnetotransport of the narrow-gap semiconductor FeSb ₂ . Physical Review B, 2011, 84, .	3.2	54
67	Optical study of the electronic structure and correlation effects in K _{0.49} RhO. Physical Review B, 2011, 84, .	3.2	16
68	Anomalous Temperature Dependence of Lower Critical Field in Ultraclean URu ₂ Si ₂ . Journal of the Physical Society of Japan, 2010, 79, 084705.	1.6	16
69	Superconductivity induced by isovalent doping in single crystals of BaFe ₂ (As _{1-x} P _x) ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, S462-S463.	1.2	3
70	Disorder and flux pinning in superconducting pnictide single crystals. Physica C: Superconductivity and Its Applications, 2010, 470, S385-S386.	1.2	1
71	Lower critical fields and the anisotropy in PrFeAsO _{1-x} single crystals. Physica C: Superconductivity and Its Applications, 2010, 470, S485-S486.	1.2	0
72	Exotic superconducting state embedded in the hidden order state of URu ₂ Si ₂ . Physica C: Superconductivity and Its Applications, 2010, 470, 1013-1017.	1.2	1

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73	Evidence for superconducting gap nodes in the zone-centered hole bands of KFe_2 magnetic penetration-depth measurements. <i>Physical Review B</i> , 2010, 82, .	3.2	172
74	Flux pinning in $PrFeAsO$. <i>Physical Review B</i> , 2010, 81, .	3.2	103
75	Interlayer magnetotransport in the overdoped cuprate $Tl_2Ba_2CuO_{6+x}$: Quantum critical point and its downslide in an applied magnetic field. <i>Physical Review B</i> , 2010, 82, .	3.2	3
76	Evolution from non-Fermi- to Fermi-liquid transport via isovalent doping in $Tl_2Ba_2CuO_{6+x}$. <i>Physical Review B</i> , 2010, 82, .		

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91	Evidence for Fully Gapped Superconductivity from Microwave Penetration Depth Measurements in PrFeAsO _{1-y} Single Crystals. Journal of the Physical Society of Japan, 2008, 77, 145-146.	1.6	5
92	Competition between unconventional superconductivity and incommensurate antiferromagnetic order in CeRh _{1-x} CoxIn ₅ . Physical Review B, 2007, 76, .	3.2	35
93	Temperature in the Pyrochlore Superconductor KOs_2G_2 Physical Review	7.8	13
94	High-field superconducting transition of CeCoIn ₅ studied by local magnetic induction measurements. Physical Review B, 2007, 76, .	3.2	13