

# Ryuji Okazaki

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/112202/publications.pdf>

Version: 2024-02-01

94  
papers

2,439  
citations

430874

18  
h-index

206112

48  
g-index

95  
all docs

95  
docs citations

95  
times ranked

2658  
citing authors

#	ARTICLE	IF	CITATIONS
---	---------	----	-----------

1	Evolution from non-Fermi- to Fermi-liquid transport via isovalent doping in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle$		
---	--	--	--

#	ARTICLE	IF	CITATIONS
19	Photo-induced change of dielectric response in BaCoSiO <sub>4</sub> stuffed tridymite. Journal of Applied Physics, 2014, 115, .	2.5	19
20	Penetration depth, lower critical fields, and quasiparticle conductivity in Fe-arsenide superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 590-598.	1.2	18
21	Electron doping of ALD-grown ZnO thin films through Al and P substitutions. Journal of Materials Science, 2013, 48, 2806-2811.	3.7	18
22	Search for non-equilibrium thermoelectrics. Scripta Materialia, 2016, 111, 23-28.	5.2	18
23	Photo-Seebeck effect in ZnS. Japanese Journal of Applied Physics, 2015, 54, 031203.	1.5	17
24	Anomalous Temperature Dependence of Lower Critical Field in Ultraclean URu <sub>2</sub> Si <sub>2</sub> . Journal of the Physical Society of Japan, 2010, 79, 084705.	1.6	16
25	Optical study of the electronic structure and correlation effects in K <sub>0.49</sub> RhO <sub>2</sub> . Physical Review B, 2011, 84, .	3.2	16
26	High-temperature thermoelectric properties of the double-perovskite ruthenium oxide (Sr <sub>1-x</sub> La <sub>x</sub> ) <sub>2</sub> ErRuO <sub>6</sub> . Journal of Applied Physics, 2012, 112, 073714.	2.5	16
27	Magnetic field induced ferroelectric transition of quasi one-dimensional frustrated quantum spin chain system Rb <sub>2</sub> Cu <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> . Journal of Applied Physics, 2013, 113, 17D910.	2.5	15
28	Heterovalent Pb-substitution in ferroelectric bismuth silicate Bi <sub>2</sub> SiO <sub>5</sub> . Journal of Materials Chemistry C, 2016, 4, 3168-3174.	5.5	15
29	Dielectric anomaly in the quasi one-dimensional frustrated spin-1/2 system Rb <sub>2</sub> Cu <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> .		

#	ARTICLE	IF	CITATIONS
37	Enhanced thermopower via spin-state modification. Physical Review B, 2018, 98, .	3.2	12
38	Current-induced Giant Lattice Deformation in the Mott Insulator Ca <sub>2</sub> RuO <sub>4</sub> . Journal of the Physical Society of Japan, 2020, 89, 044710.	1.6	12
39	Origin of the energy gap in the narrow-gap semiconductor FeSb <sub>2</sub> revealed by high-pressure magnetotransport measurements. Physical Review B, 2013, 88, .	3.2	11
40	Photo-transport properties of Pb <sub>2</sub> CrO <sub>5</sub> single crystals. Journal of Applied Physics, 2014, 116, .	2.5	11
41	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
42	Correlation in transport coefficients of hole-doped $\text{CuRhO}_2$ single crystals. Physical Review B, 2019, 99, .	3.2	11
43	X-ray Crystal Structure Analysis and Ru Valence of Ba <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> Single Crystals. Journal of the Physical Society of Japan, 2013, 82, 104603.	1.6	10
44	Pseudogap Observed in the Charge Transport in the Thermoelectric Oxide Ca <sub>3</sub> Bi <sub>4</sub> Co <sub>4</sub> O <sub>9</sub> Single Crystals. Journal of the Physical Society of Japan, 2014, 83, 054710.	1.6	10
45	Anomalous magnetic order in the magnetoelectric oxide $\text{NdCrTiO}_5$ by impurity effects. Physical Review B, 2015, 91, .	3.2	10
46	Novel Charge Ordering in the Trimer Iridium Oxide BaIrO <sub>3</sub> . Crystals, 2016, 6, 27.	2.2	10
47	Thermoelectric transport in the layered Ca <sub>3</sub> Co <sub>4</sub> Rh <sub>x</sub> O <sub>9</sub> single crystals. Journal of Applied Physics, 2016, 119, 225105.	2.5	10
48	Enhanced Seebeck coefficient by a filling-induced Lifshitz transition in KxRhO <sub>2</sub> . Physical Review B, 2019, 99, .	3.2	10
49	Electrical resistivity and thermopower of hole-doped delafossite CuCoO <sub>2</sub> polycrystals. Japanese Journal of Applied Physics, 2021, 60, 013001.	1.5	10
50	Low Temperature Magnetic Properties of Frustrated Quantum Spin Chain System Rb <sub>2</sub> Cu <sub>2</sub> Mo <sub>3</sub> O <sub>12</sub> . , 2014, , .		9
51	Electrical oscillation in SmS induced by a constant external voltage. Physical Review B, 2014, 89, .	3.2	8
52	Disorder Effect for an Orbital Order in Ca <sub>2</sub> RuO <sub>4</sub> Revealed by Infrared Imaging Spectroscopy. Journal of the Physical Society of Japan, 2014, 83, 084701.	1.6	8
53	Effects of element substitution on the pyroelectric phase transition of stuffed-tridymite-type BaZnGeO <sub>4</sub> . Solid State Communications, 2015, 219, 12-15.	1.9	8
54	Crossover from itinerant to localized states in the thermoelectric oxide $\text{Cu}_2\text{O}$ . Physical Review B, 2021, 103, .	3.2	8

#	ARTICLE	IF	CITATIONS
55	Spin State of Co <sup>3+</sup> in LaCo <sub>1-x</sub> Rh <sub>x</sub> O <sub>3</sub> Investigated by Structural Phenomena. Journal of the Physical Society of Japan, 2013, 82, 114606.	1.6	7
56	Unconventional magnetism in the layered oxide $\text{LaSrRhO}_4$ . Physical Review B, 2014, 90, .	1.2	7
57	Ferromagnetic Cluster Glass Phase Embedded in a Paramagnetic and Metallic Host in Non-Uniform Magnetic System $\text{CaRu}_{1-x}\text{Sc}_x\text{O}_3$ . Journal of the Physical Society of Japan, 2016, 85, 034711.	1.6	7
58	Ruthenium oxide as a thermoelectric material: unconventional thermoelectric properties of Li <sub>2</sub> RuO <sub>3</sub> . Journal of Materials Chemistry C, 2015, 3, 10430-10435.	5.5	6
59	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
60	Evidence for Fully Gapped Superconductivity from Microwave Penetration Depth Measurements in PrFeAsO <sub>1-y</sub> Single Crystals. Journal of the Physical Society of Japan, 2008, 77, 145-146.	1.6	5
61	Spin State of Co <sup>3+</sup> in LaCo <sub>1-x</sub> Rh <sub>x</sub> O <sub>3</sub> Studied Using X-ray Absorption Spectroscopy. Journal of the Physical Society of Japan, 2017, 86, 094701.	1.6	5
62	Quantum Paramagnet Near Spin State Transition. Advanced Quantum Technologies, 2018, 1, 1800057.	3.9	5
63	Neutron diffraction studies on heavy fermion superconducting and antiferromagnetic compounds $\text{CeRh}_x\text{Co}_{1-x}\text{In}_5$ . Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1076-1081.	1.8	4
64	Possible Existence of Two Charge-Ordered Phases in Pr <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub> for 0.40 ≤ x ≤ 0.50. Journal of the Physical Society of Japan, 2014, 83, 064709.	1.6	4
65	Nonlinear transport associated with spin density wave dynamics in $\text{CaMn}_3\text{O}_9$ . Physical Review B, 2017, 96, .	3.2	4
66	Interplay between quantum paraelectricity and thermoelectricity in the photo-Seebeck effect in a SrTiO <sub>3</sub> single crystal. Journal of Applied Physics, 2019, 126, 045111.	2.5	4
67	Prominent electron-hole asymmetry in thermoelectric transport of $\text{LaCoO}_3$ . Physical Review B, 2022, 105, .	1.2	4
68	Superconductivity induced by isovalent doping in single crystals of BaFe <sub>2</sub> (As <sub>1-x</sub> P <sub>x</sub> ) <sub>2</sub> . Physica C: Superconductivity and Its Applications, 2010, 470, S462-S463.	1.2	3
69	Interlayer magnetotransport in the overdoped cuprate Tl <sub>2</sub> Ba <sub>2</sub> CuO <sub>6+x</sub> : Quantum critical point and its downslide in an applied magnetic field. Physical Review B, 2010, 82, .	3.2	3
70	Anomalous low-field diamagnetic response in ultraclean URu <sub>2</sub> Si <sub>2</sub> superconductor. Journal of Physics: Conference Series, 2011, 273, 012081.	0.4	3
71	Effects of the Ir Impurity on the Thermodynamic and Transport Properties of Ba <sub>4</sub> Ru <sub>3</sub> O <sub>10</sub> . Journal of the Physical Society of Japan, 2015, 84, 094601.	1.6	3
72	Non-uniform Magnetic System Driven by Non-magnetic Ion Substitution in CaRu <sub>1-x</sub> Sc <sub>x</sub> O <sub>3</sub> : Two-Component Analysis. Journal of the Physical Society of Japan, 2015, 84, 014708.	1.6	3

#	ARTICLE	IF	CITATIONS
73	An origin of good electrical conduction in $\text{La}_4\text{BaCu}_5\text{O}_{13+\delta}$ . <i>Journal of Applied Physics</i> , 2015, 118, 035104.	2.5	3
74	Optical evidence for the spin-state disorder in $\text{LaCo}_{1-x}\text{Rh}_x\text{O}_3$ . <i>Journal of Physics Condensed Matter</i> , 2017, 29, 235802.	1.8	3
75	Electron correlation effect in the thermoelectric oxide $\text{Ca}_{3-x}\text{Sr}_x\text{Co}_4\text{O}_9$ single crystals. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 043201.	1.5	3
76	Spectroscopic signature of trimer Mott insulator and charge disproportionation in $\text{BaRuO}_3$ . <i>Physical Review B</i> , 2018, 98, .	3.2	3
77	Enhanced Seebeck coefficient through magnetic fluctuations in $\text{Sr}_2\text{O}_4$ . <i>Physical Review B</i> , 2022, 105, .	3.2	3
78	Magnetoelectric Coupling in the Pyrochlore Ruthenate $\text{Gd}_2\text{Ru}_2\text{O}_7$ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 084708.	1.6	2
79	Vortex lattice melting in the heavy-fermion superconductor $\text{URu}_2\text{Si}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , 2008, 468, 1258-1261.	1.2	1
80	Vortex lattice melting in the ultraclean heavy-fermion superconductor $\text{URu}_2\text{Si}_2$ . <i>Journal of Physics: Conference Series</i> , 2009, 150, 052198.	0.4	1
81	Evidence for field-induced quantum critical route to a Fermi liquid in overdoped $\text{Tl}_2\text{Ba}_2\text{CuO}_{6+x}$ . <i>Journal of Physics: Conference Series</i> , 2009, 150, 052234.	0.4	1
82	Disorder and flux pinning in superconducting pnictide single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S385-S386.	1.2	1
83	Exotic superconducting state embedded in the hidden order state of $\text{URu}_2\text{Si}_2$ . <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 1013-1017.	1.2	1
84	Weak Ferromagnetic Ordering Disordered by $\text{Rh}^{3+}$ Ions for $\text{LaCo}_{0.8}\text{Rh}_{0.2}\text{O}_3$ . , 2014, , .		1
85	Local magnetization study of the first-order superconducting transition in $\text{CeCoIn}_5$ . <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 3208-3210.	4.0	0
86	Local magnetization measurements of the first-order transition of $\text{CeCoIn}_5$ . <i>Physica B: Condensed Matter</i> , 2008, 403, 871-873.	2.7	0
87	Novel vortex distribution in the $\hat{\Gamma}^2$ -pyrochlore superconductor $\text{KO}_2\text{O}_6$ . <i>Journal of Physics: Conference Series</i> , 2009, 150, 052233.	0.4	0
88	Lower critical fields and the anisotropy in $\text{PrFeAsO}_{1-x}$ single crystals. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S485-S486.	1.2	0
89	Quantum-limit linkage of $\hat{\Gamma}^{\text{strange}}$ and conventional metal states of high- $T_c$ superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 2013, 493, 15-17.	1.2	0
90	Vortex Lattice Melting Transition. <i>Springer Theses</i> , 2013, , 73-98.	0.1	0

#	ARTICLE	IF	CITATIONS
91	Magnetic Torque Study on the Hidden-Order Phase. Springer Theses, 2013, , 19-49.	0.1	0
92	Lower Critical Field Study on the Superconducting Phase. Springer Theses, 2013, , 51-72.	0.1	0
93	Optical Study of a Novel Phase Transition from Dimer-Mott to Charge-Order Insulator. , 2014, , .		0
94	Third-order Electrical Conductivity of the Charge-ordered Organic Salt $\hat{\pm}$ -(BEDT-TTF) <sub>2</sub> I <sub>3</sub> . Journal of the Physical Society of Japan, 2022, 91, .	1.6	0