Shingo Yonezawa

List of Publications by Year
in descending order

101	3,495	159525 30	143943 57
papers	citations	h-index	g-index

104	104	104	3340
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of Spin-Triplet Superconductivity in Sr₂RuO₄. Journal of the Physical Society of Japan, 2012, 81, 011009.	0.7	439
2	Superconductivity and quantum criticality in the heavy-fermion system Î²-YbAlB4. Nature Physics, 2008, 4, 603-607.	6.5	307
3	Strong Increase of T _c of Sr ₂ RuO ₄ Under Both Tensile and Compressive Strain. Science, 2014, 344, 283-285.	6.0	270
4	Thermodynamic evidence for nematic superconductivity in CuxBi2Se3. Nature Physics, 2017, 13, 123-126.	6.5	224
5	Extremely strong-coupling superconductivity and anomalous lattice properties in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math>-pyrochlore oxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">K</mml:mi><mml:msub><mml:mi	1.1	135
6	Anomalous In-Plane Anisotropy of the Onset of Superconductivity in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:mi>TMTSF</mml:mi><mml:msub><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 Td[(stretchy= Physical Review Letters, 2008, 100, 117002.	7.5	111
7	Superconductivity in the antiperovskite Dirac-metal oxide Sr3âˆ’xSnO. Nature Communications, 2016, 7, 13617.	5.8	107
8	First-Order Superconducting Transition of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>RuO</mml:mi><mml:m Physical Review Letters, 2013, 110, 077003.	2.9	94
9	Unconventional Anomalous Hall Effect in the Metallic Triangular-Lattice Magnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PdCrO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2010, 105, 137201.	2.9	91
10	Extremely Large Magnetoresistance in the Nonmagnetic Metal<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>PdCoO</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review Letters, 2013, 111, 056601.	2.9	89
11	Nematic Superconductivity in Doped Bi2Se3 Topological Superconductors. Condensed Matter, 2019, 4, 2.	0.8	81
12	Roles of High-Frequency Optical Phonons in the Physical Properties of the Conductive Delafossite PdCoO₂. Journal of the Physical Society of Japan, 2007, 76, 104701.	0.7	74
13	Critical behavior of the metallic triangular-lattice Heisenberg antiferromagnet<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>PdCrO</mml:mtext></mml:mrow><mml:mn>2</mml:mn></ Physical Review B, 2009, 79, .	1.1	69
14	Angular dependence of the upper critical field of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub Physical Review B, 2009, 80, .	1.1	46
15	Direct penetration of spin-triplet superconductivity into a ferromagnet in Au/SrRuO3/Sr2RuO4 junctions. Nature Communications, 2016, 7, 13220.	5.8	46
16	Higher-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:mrow></mml:math>superco phase in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow><mml:mn>2</mml:mn></mml:msub by uniaxial pressure. Physical Review B, 2010, 81, .	1.1	45
17	Interplanar coupling-dependent magnetoresistivity in high-purity layered metals. Nature Communications, 2016, 7, 10903.	5.8	44
18	Heavy-Mass Behavior of Ordered Perovskites ACu₃Ru₄O₁₂ (A = Na, Ca, La). Journal of the Physical Society of Japan, 2009, 78, 024706.	0.7	43

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19	Magnetic-Field Variations of the Pair-Breaking Effects of Superconductivity in (TMTSF)₂ClO₄. Journal of the Physical Society of Japan, 2008, 77, 054712.	0.7	42
20	Anomalous switching in Nb/Ru/Sr2RuO4 topological junctions by chiral domain wall motion. Scientific Reports, 2013, 3, 2480.	1.6	40
21	Sharp magnetization jump at the first-order superconducting transition in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">RuO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	40
22	Effective thickness of two-dimensional superconductivity in a tunable triangular quantum well of SrTiO3. Physical Review B, 2014, 89, .	1.1	40
23	Nano-Resolved Current-Induced Insulator-Metal Transition in the Mott Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review X, 2019, 9, .	2.8	40
24	Current-induced strong diamagnetism in the Mott insulator Ca ₂ RuO ₄. Science, 2017, 358, 1084-1087.	6.0	39
25	Specific-Heat Evidence of the First-Order Superconducting Transition in Sr₂RuO₄. Journal of the Physical Society of Japan, 2014, 83, 083706.	0.7	37
26	Type-I superconductivity of the layered silver oxideAg5Pb2O6. Physical Review B, 2005, 72, .	1.1	35
27	Magnetic structure of the conductive triangular-lattice antiferromagnet PdCrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2014, 89, .	1.1	32
28	Nodal superconducting order parameter and thermodynamic phase diagram of (TMTSF)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>ClO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2012, 85, .	1.1	31
29	Improved Single-Crystal Growth of Sr2RuO4. Condensed Matter, 2019, 4, 6.	0.8	31
30	Quantum oscillations and magnetic reconstruction in the delafossite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">PdCrO</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 92, .	1.1	30
31	Little-Parks oscillations with half-quantum fluxoid features in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mo> microrings. Physical Review B, 2017, 96, .	1.1	30
32	High-Order Harmonic Generation and Its Unconventional Scaling Law in the Mott-Insulating <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2022, 128, 127401.	2.9	30
33	Uniaxial-strain control of nematic superconductivity in SrxBi2Se3. Nature Communications, 2020, 11, 4152.	5.8	28
34	Topological competition of superconductivity in Pb/Ru/Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>RuO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>4</mml:mn></mml:msub></mml:math>junctions. Physical Review B, 2011, 84, .	1.1	25
35	Controlled synthesis of the antiperovskite oxide superconductor Sr_{3â^'x}SnO. Superconductor Science and Technology, 2018, 31, 055012.	1.8	24
36	Higher-T_c Superconducting Phase in Sr₂RuO₄ Induced by In-Plane Uniaxial Pressure. Journal of the Physical Society of Japan, 2015, 84, 014707.	0.7	23

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37	Nonlinear temperature dependence of resistivity in single crystal Ag5Pb2O6. Physical Review B, 2004, 70, .	1.1	22
38	Anisotropy in the magnetization and resistivity of the metallic triangular-lattice magnet PdCrO₂. Journal of Physics: Conference Series, 2010, 200, 012198.	0.3	21
39	Phonon anomaly and anisotropic superconducting gap in noncentrosymmetric Li<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow		

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55	Superconducting Sr₂RuO₄ Thin Films without Out-of-Phase Boundaries by Higher-Order Ruddlesdenâ€“Popper Intergrowth. Nano Letters, 2021, 21, 4185-4192.	4.5	13
56	Field-induced confinement in (TMTSF)2ClO4 â€‰under accurately aligned magnetic fields. European Physical Journal B, 2006, 52, 337-343.	0.6	12
57	Oxygen Hole State in A-site Ordered Perovskite ACu₃Ru₄O₁₂(A =) Tj ETQq1 1 0.784314 rgBT /O Japan, 2013, 82, 024709.	0.7	12
58	Superconducting properties of noncentrosymmetric superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="bold">CaIrSi</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>investigated by muon spin relaxation and rotation. Physical Review B, 2015, 91, .	1.1	12
59	Crossover from impurity-controlled to granular superconductivity in (TMTSF)2ClO4. Physical Review B, 2018, 97, .	1.1	12
60	Nearly Free Electrons in the Layered Oxide SuperconductorAg5Pb2O6. Physical Review Letters, 2006, 96, 097008.	2.9	11
61	Effect of disorder on the dimer transition of the honeycomb-lattice compound<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Li</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>IrO3 Physical Review B, 2016, 93, .	1.1	11
62	Theoretical band structure of the superconducting antiperovskite oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0032.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:mi mathvariant="normal">r</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></m Physica B: Condensed Matter, 2018, 536, 752-756.	1.3	11
63	Normal-state properties of the antiperovskite oxide Sr3â^’xSnO revealed by Sn119 -NMR. Physical Review B, 2018, 98, .	1.1	11
64	Theory of tunneling spectroscopy of normal metal/ferromagnet/spin-triplet superconductor junctions. Physical Review B, 2018, 98, .	1.1	9
65	In Situ Control of Diamagnetism by Electric Current in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Ca</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></		

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73	Peak in the superconducting transition temperature of the nonmagnetic topological line-nodal material CaSb2 under pressure. Physical Review B, 2021, 104, .	1.1	7
74	Role of local temperature in the current-driven metalâ€“insulator transition of Ca2RuO4. Physical Review Materials, 2020, 4, .	0.9	7
75	Unusual temperature dependence of the in-plane critical field in Sr2RuO4. Journal of Physics: Conference Series, 2009, 150, 052112.	0.3	6
76	Pressure Study of the Noncentrosymmetric 5d-Electron Superconductors CaMSi₃(M= Ir, Pt). Journal of the Physical Society of Japan, 2012, 81, 074711.	0.7	6
77	Piezoelectric-based uniaxial strain cell with high strain throughput and homogeneity. Journal of Applied Physics, 2019, 125, .	1.1	6
78	Field induced quasi-particles in the heavy-fermion superconductor. Journal of Magnetism and Magnetic Materials, 2007, 310, 587-589.	1.0	5
79	Field-temperature phase diagram of superconductivity in Sr₂RuO₄-Ru under out-of-plane uniaxial pressure. Journal of Physics: Conference Series, 2012, 391, 012108.	0.3	5
80	Diamagnetic-like response from localized heating of a paramagnetic material. Applied Physics Letters, 2020, 116, 172405.	1.5	5
81	Precise determination of the in-plane superconducting anisotropy of (TMTSF)2ClO4. Solid State Sciences, 2008, 10, 1768-1772.	1.5	4
82	Control of the electronic states of Ca₂RuO₄by uniaxial pressure. Journal of Physics: Conference Series, 2012, 400, 022036.	0.3	4
83	Quenched metastable vortex states inSr2RuO4. Physical Review B, 2015, 91, .	1.1	4
84	Effect of delithiation on the dimer transition of the honeycomb-lattice ruthenate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Li</mml:mi><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>RuO</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>. Physical Review B, 2016, 94, .	1.1	4
85	Extended analysis of the field-angle-dependent heat capacity of (TMTSF)₂ClO₄ toward identification of the superconducting gap structure. Journal of Physics: Conference Series, 2013, 449, 012032.	0.3	3
86	Negative ionic states of tin in the oxide superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^'</mml:mo><mml:mi>x</mml:mi></mml:mrow></mml:msub><mml:msub><mml:mi>SnO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> revealed by MÃ¶ssbauer spectroscopy. Physical Review B, 2019, 100, .	1.1	3
87	Penetration depth and gap structure in the antiperovskite oxide superconductor <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>Sr</mml:mi><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi>SnO</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> revealed by <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î¼</mml:mi><mml:mi>SR</mml:mi></mml:math>. Physical Review B, 2020, 101, .	1.1	3
88	Properties of the nearly free electron superconductor Ag5Pb2O6 inferred from Fermi surface measurements. Physica C: Superconductivity and Its Applications, 2007, 460-462, 538-539.	0.6	2
89	Evidence for the Sr2RuO4intercalations in the Sr3Ru2O7region of the Sr3Ru2O7â€“ Sr2RuO4eutectic system. Journal of Physics: Conference Series, 2009, 150, 052113.	0.3	2
90	Superconducting properties of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si14.gif" overflow="scroll"><mml:mrow><mml:mtext>Pb</mml:mtext><mml:mo>/</mml:mo><mml:msub><mml:mrow><mml:mtext>Sr</mml:mtext></mml:mrow></mml:msub></mml:mrow></mml:math> proximity junction. Physica C: Superconductivity and Its Applications, 2010, 470, S744-S745.	0.6	2

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91	Transport properties of Ag5Pb2O6: A three-dimensional electron-gas-like system with low carrier density. Physical Review B, 2013, 88, .	1.1	2
92	Superconducting transition of Ru in SQUIDs with Nb/Ru/Sr₂RuO₄junctions. Journal of Physics: Conference Series, 2014, 568, 022031.	0.3	2
93	Anomalous anisotropic behaviour of spin-triplet proximity effect in Au/SrRuO3/Sr2RuO4 junctions. Scientific Reports, 2019, 9, 15827.	1.6	2
94	Properties of the oxide type-I superconductor Ag5Pb2O6. Physica C: Superconductivity and Its Applications, 2007, 460-462, 551-552.	0.6	1
95	Superconductivity in La₃Pt₄. Journal of the Physical Society of Japan, 2012, 81, 125001.	0.7	1
96	Broken time-reversal symmetry in a SQUID based on chiral superconducting Sr2RuO4. Journal of Physics: Conference Series, 2014, 568, 022020.	0.3	1
97	First-order superconducting transition of Sr2RuO4 investigated by magnetization and magnetic torque. Journal of Magnetism and Magnetic Materials, 2016, 400, 81-83.	1.0	1
98	Negligible Substrateâ€Induced Strain Effects on Magnetic Properties of SrRuO 3 Thin Films. Physica Status Solidi (B): Basic Research, 2020, 257, 2000047.	0.7	1
99	Possible Superconductivity in Ag5Pb2O6 Probed by AC Susceptibility. AIP Conference Proceedings, 2006, , .	0.3	0
100	Influence of carrier lifetime on quantum criticality and superconducting Tc of (TMTSF) 2ClO4. Physical Review B, 2018, 98, .	1.1	0
101	Control of Nematic Superconductivity Using Piezo-Device Based Uniaxial-Strain Application Apparatus. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2021, 31, 236-244.	0.1	0