

Quasi-two-dimensional Fermi liquid properties of the u Sr_2RuO_4

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A coherent three-dimensional Fermi surface in a high-transition-temperature superconductor. <i>Nature</i> , 2003, 425, 814-817.	27.8	267
2	Band-selective modification of the magnetic fluctuations in Sr ₂ RuO ₄ : A study of substitution effects. <i>Physical Review B</i> , 2004, 70, .	3.2	44
3	de Haas-van Alphen Effect Across the Metamagnetic Transition in Sr ₃ Ru ₂ O ₇ . <i>Physical Review Letters</i> , 2004, 92, 216403.	7.8	41
4	Determining the superconducting gap structure in Sr ₂ RuO ₄ from sound attenuation studies below T _c . <i>Physical Review B</i> , 2004, 70, .	3.2	10
5	Excess current in superconducting Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2004, 69, .	3.2	11
6	Off-Site Repulsion-Induced Triplet Superconductivity: A Possibility for Chiral p _{x+y} -Wave Pairing in Sr ₂ RuO ₄ . <i>Physical Review Letters</i> , 2004, 92, 247006.	7.8	34
7	Rigid-band shift of the Fermi level in the strongly correlated metal: Sr ₂ YRuO ₄ . <i>Physical Review B</i> , 2004, 70, .	3.2	32
8	Electron-lattice coupling, orbital stability, and the phase diagram of Ca _{2-x} Sr _x RuO ₄ . <i>Physical Review B</i> , 2004, 70, .	3.2	26
9	Low-temperature Hall effect in substituted Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2004, 70, .	3.2	9
10	High Magnetic Fields: A Tool for Studying Electronic Properties of Layered Organic Metals. <i>Chemical Reviews</i> , 2004, 104, 5737-5782.	47.7	193
11	Galvanomagnetic phenomena in layered organic conductors (Review). <i>Low Temperature Physics</i> , 2005, 31, 185-202.	0.6	41
12	Triplet Pairing Superconductivity Induced by Short-Range Ferromagnetic Correlations in Sr ₂ RuO ₄ . <i>Journal of the Physical Society of Japan</i> , 2005, 74, 2679-2682.	1.6	11
13	Charge instabilities at the metamagnetic transition of itinerant electron systems. <i>Physical Review B</i> , 2005, 72, .	3.2	35
14	Quantitative analysis of Sr ₂ RuO ₄ angle-resolved photoemission spectra: Many-body interactions in a model Fermi liquid. <i>Physical Review B</i> , 2005, 72, .	3.2	54
15	Ferromagnetic properties of ZrZn ₂ . <i>Physical Review B</i> , 2005, 72, .	3.2	57
16	Magnetic interactions in a single-band model for the cuprates and ruthenates. <i>Physical Review B</i> , 2005, 71, .	3.2	21
17	Non-generality of the Kadowaki-Woods Ratio in Correlated Oxides. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 1107-1110.	1.6	68
18	Phase-Sensitive Tests of the Pairing State Symmetry in Sr ₂ RuO ₄ . <i>Physical Review Letters</i> , 2005, 95, 217004.	7.8	65

#	ARTICLE	IF	CITATIONS
19	Andreev reflection at ferromagnetic metal-triplet superconductor junction. Physica Status Solidi (B): Basic Research, 2006, 243, 112-115.	1.5	4
20	Nodal structure of unconventional superconductors probed by angle resolved thermal transport measurements. Journal of Physics Condensed Matter, 2006, 18, R705-R752.	1.8	149
21	Sr ₂ RhO ₄ : a new, clean correlated electron metal. New Journal of Physics, 2006, 8, 175-175.	2.9	54
22	Comparison of the normal- and superconducting-state electromagnetic absorption in Sr ₂ RuO ₄ . Physical Review B, 2006, 73, .	3.2	5
23	Terahertz-frequency carrier dynamics and spectral weight redistribution in the nearly magnetic metal CaRuO ₃ . Physical Review B, 2006, 74, .	3.2	27
24	Nonanalytic corrections to the specific heat and susceptibility of a two-dimensional Fermi liquid without Galilean invariance. Physical Review B, 2006, 74, .	3.2	5
25	Self-energy corrections to anisotropic Fermi surfaces. Physical Review B, 2006, 74, .	3.2	9
26	Oscillatory thermoelectric effect in quasi-two-dimensional organic conductors in a magnetic field. Canadian Journal of Physics, 2007, 85, 777-786.	1.1	2
27	Odd-Parity Superconductivity and the Ferromagnetic Quantum Critical Point. Journal of the Physical Society of Japan, 2007, 76, 051011.	1.6	25
28	On the de Haas-van Alphen oscillations in quasi-two-dimensional metals: effect of the Fermi surface curvature. Journal of Physics Condensed Matter, 2007, 19, 176227.	1.8	3
29	Correlation between the Superconducting Transition Temperature and Anisotropic Quasiparticle Scattering in Tl_2CuO_4 . Physical Review Letters, 2007, 99, 107002.	7.8	78
30	Angle-dependent magnetoresistance measurements in $Tl_2Ba_2CuO_{6+\delta}$ and the need for anisotropic scattering. Physical Review B, 2007, 76, .	3.2	32
31	Evolution of the Fermi Surface and Quasiparticle Renormalization through a van Hove Singularity in Sr_2RuO_4 . Physical Review Letters, 2007, 99, 187001.	7.8	56
32	Evidence for strong electronic correlations in the spectra of Sr ₂ RuO ₄ . Physical Review B, 2007, 75, .	3.2	58
33	Orbital dependence of quasiparticle lifetimes in Sr ₂ RuO ₄ . Physical Review B, 2007, 76, .	3.2	6
34	Field-Induced Paramagnons at the Metamagnetic Transition of Ca _{1.8} Sr _{0.2} RuO ₄ . Physical Review Letters, 2007, 99, 217402.	7.8	13
35	Sensitivity of the interlayer magnetoresistance of layered metals to intralayer anisotropies. Physical Review B, 2007, 76, .	3.2	32
36	Superconducting phases in strontium ruthenate. Physica Status Solidi (B): Basic Research, 2007, 244, 2415-2420.	1.5	1

#	ARTICLE	IF	CITATIONS
37	Normal state anisotropic scattering in overdoped Tl ₂ Ba ₂ CuO ₆ +δ. Physica B: Condensed Matter, 2008, 403, 982-985.	2.7	3
38	Anisotropic scattering and superconductivity in high- <i>T_c</i> cuprates. Journal of Physics and Chemistry of Solids, 2008, 69, 3191-3194.	4.0	0
39	Probing Fermi surface anisotropies in layered metals with AMRO. Physica B: Condensed Matter, 2008, 403, 1552-1554.	2.7	3
40	Quantum oscillations in an overdoped high- <i>T_c</i> superconductor. Nature, 2008, 455, 952-955.	27.8	240
41	Quantum interference and weak localization effects in the interlayer magnetoresistance of layered metals. Physical Review B, 2008, 78, .	3.2	11
42	Thermoelectric mechanism of electromagnetic-acoustic transformation in organic conductors. Europhysics Letters, 2008, 81, 37006.	2.0	4
43	de Haas-van Alphen oscillations in the charge density wave compound lanthanum tritelluride. Physical Review B, 2008, 78, .	3.2	19
44	Influence of hydrostatic pressure on the magnetic phase diagram of superconducting Sr ₂ RuO ₄ by ultrasonic attenuation. Physical Review B, 2008, 77, .	3.2	4
45	Gauge-invariant electromagnetic response of a chiral p-wave superconductor. Physical Review B, 2008, 77, .	3.2	52
46	Cleaving-Temperature Dependence of Layered-Oxide Surfaces. Physical Review Letters, 2008, 101, 216103.	7.8	25
47	Quantum Oscillations in the Underdoped Cuprate YBa ₂ Cu ₃ O _{7-x} . Physical Review Letters, 2008, 100, 047003.	3.2	243
48	Antiferromagnetic-spin-fluctuation-mediated pairing as a likely mechanism for unconventional superconductivity in LaAg _{1-x} Mn _x alloys. Journal of Applied Physics, 2009, 105, 073901.	2.5	4
49	Interlayer transverse magnetoresistance in the presence of an anisotropic pseudogap. Physical Review B, 2009, 80, .	3.2	3
50	Microscopic theory of the nematic phase in Sr ₂ RuO ₄ . Physical Review B, 2009, 79, .	3.2	82
51	Temperature dependence of interlayer magnetoresistance in anisotropic layered metals. Physical Review B, 2009, 80, .	3.2	4
52	Angular dependence of the upper critical field of Sr ₂ RuO ₄ . Physical Review B, 2009, 80, .	3.2	46
53	The phonon dynamics of Sr ₂ RuO ₄ : microscopic calculation and comparison with that of La ₂ CuO ₄ . Journal of Physics Condensed Matter, 2009, 21, 395701.	1.8	3
54	Orbital magnetic moment of a chiral p-wave superconductor. New Journal of Physics, 2009, 11, 055063.	2.9	13

#	ARTICLE	IF	CITATIONS
55	Tracking anisotropic scattering in overdoped $Tl_{2-x}Ba_{2-x}CuO_{6+\delta}$ above 100K . New Journal of Physics, 2009, 11, 055057.	2.9	31
56	Formula for the Critical Temperature of Superconductors Based on the Electronic Density of States and the Effective Mass. Physical Review Letters, 2009, 102, 137003.	7.8	10
57	Dimensional crossover in Sr_2RuO_4 within a slave-boson mean-field theory. Europhysics Letters, 2009, 85, 27011.	2.0	0
58	Spatial Development of Superconductivity in the Sr_2RuO_4 "Ru Eutectic System. Journal of the Physical Society of Japan, 2009, 78, 064703.	1.6	14
59	Slave-boson mean-field study of the dimensional crossover in Sr_2RuO_4 . Journal of Physics: Conference Series, 2010, 200, 012034.	0.4	3
60	Quasi-Two-Dimensional Fermi-Liquid State in Sr_2RhO_4 . Journal of the Physical Society of Japan, 2010, 79, 114719.	1.6	7
61	Quantum oscillations near the metamagnetic transition in $Sr_3Ru_2O_{10}$. Physical Review B, 2010, 81, .	3.2	27
62	de Haas-van Alphen oscillations in high-temperature superconductors. Physical Review B, 2010, 81, .	3.2	5
63	Magnetic Breakdown in the Electron-Doped Cuprate Superconductor $Nd_{2-x}Cu_{1+x}O_{4-y}$. The Reconstructed Fermi Surface Survives in the Strongly Overdoped Regime. Physical Review Letters, 2010, 105, 247002.	7.8	172
64	Hidden Quasi-One-Dimensional Superconductivity in Sr_2RuO_4 . Physical Review Letters, 2010, 105, 136401.	7.8	172
65	A detailed de Haas-van Alphen effect study of the overdoped cuprate $Tl_{2-x}Ba_{2-x}CuO_{6+\delta}$. New Journal of Physics, 2010, 12, 105009.	2.9	39
66	Nematic Fermi Fluids in Condensed Matter Physics. Annual Review of Condensed Matter Physics, 2010, 1, 153-178.	14.5	561
67	Angular dependence of the Fermi surface cross-section area and magnetoresistance in quasi-two-dimensional metals. Physical Review B, 2010, 81, .	3.2	22
69	Fermi surface and electronic homogeneity of the overdoped cuprate superconductor $Tl_{2-x}Ba_{2-x}CuO_{6+\delta}$ revealed b. Physical Review B, 2010, 82, .	3.2	60
70	Coherence-Incoherence Crossover and the Mass-Renormalization Puzzles in Sr_2RuO_4 . Physical Review Letters, 2011, 106, 096401.	7.8	200
71	Fermi surface of the electron-doped cuprate superconductor $Nd_{2-x}Ce_xCuO_4$ probed by high-field magnetotransport. New Journal of Physics, 2011, 13, 015001.	2.9	39
72	Local geometry of the Fermi surface and its effect on the electronic characteristics of normal metals. Physics-Uspekhi, 2011, 54, 769-798.	2.2	2
73	Quantum Oscillations of the Interlayer Magnetothermopower in a Q2D Organic Conductor. Journal of the Physical Society of Japan, 2011, 80, 044701.	1.6	0

#	ARTICLE	IF	CITATIONS
74	Angle dependence of quantum oscillations in $\text{YBa}_2\text{Cu}_3\text{O}_{6.59}$ shows free-spin behaviour of quasiparticles. Nature Physics, 2011, 7, 234-238.	16.7	69
75	Quantum oscillation studies of the Fermi surface of iron-pnictide superconductors. Reports on Progress in Physics, 2011, 74, 124507.	20.1	60
76	Angular Dependence of Magnetic Quantum Oscillations and Magnetoresistance in Quasi-2D Metals. Journal of Superconductivity and Novel Magnetism, 2011, 24, 407-412.	1.8	0
77	Quantum oscillations and the Fermi surface of high-temperature cuprate superconductors. Comptes Rendus Physique, 2011, 12, 446-460.	0.9	37
78	Spin-orbit coupling and k -dependent Zeeman splitting in strontium ruthenate. Journal of Physics Condensed Matter, 2011, 23, 094201.	1.8	30
79	Proposed Aharonov-Casher interference measurement of non-Abelian vortices in chiral CaFe_2As_2 layer ruthenates. Physical Review B, 2011, 83, .	3.2	29
80	Surface and bulk electronic structure of the unconventional superconductor Sr_2RuO_4 : unusual splitting of the d_{xy} band. New Journal of Physics, 2012, 14, 063039.	2.9	16
81	Evaluation of Spin-Triplet Superconductivity in Sr_2RuO_4 . Journal of the Physical Society of Japan, 2012, 81, 011009.	1.6	439
82	Fermi surface sheet dependent band splitting in Sr_2RuO_4 . Physical Review B, 2012, 86, .	3.2	8
83	Shear Viscosity of Sr_2RuO_4 in the Normal state. Journal of Physics: Conference Series, 2012, 400, 012025.	0.4	0
84	Vortex coalescence and type-1.5 superconductivity in Sr_2RuO_4 . Physical Review B, 2012, 86, .	3.2	31
85	Quantum Oscillations and High Carrier Mobility in the Delafossite PdCoO_2 . Physical Review Letters, 2012, 109, 116401.	7.8	110
86	Fermi surface reconstruction from bilayer charge ordering in the underdoped high temperature superconductor $\text{YBa}_2\text{Cu}_3\text{O}_{6+x}$. New Journal of Physics, 2012, 14, 095023.	2.9	30
87	New directions in the pursuit of Majorana fermions in solid state systems. Reports on Progress in Physics, 2012, 75, 076501.	20.1	2,288
88	Numerical extraction of de Haas-van Alphen frequencies from calculated band energies. Computer Physics Communications, 2012, 183, 324-332.	7.5	143
89	Exponential suppression of interlayer conductivity in very anisotropic quasi-two-dimensional compounds in high magnetic field. Physica B: Condensed Matter, 2012, 407, 1932-1936.	2.7	3
90	Theory of superconductivity in a three-orbital model of Sr_2RuO_4 . Europhysics Letters, 2013, 104, 17013.	2.0	94

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92	Renormalized band structure of Sr ₂ RuO ₄ : A quasiparticle tight-binding approach. Journal of Electron Spectroscopy and Related Phenomena, 2013, 191, 48-53.	1.7	34
93	Theory of 'hidden' quasi-1D superconductivity in Sr ₂ RuO ₄ . Journal of Physics: Conference Series, 2013, 449, 012031.	0.4	10
94	Anisotropy of the Superconducting State in Sr ₂ RuO ₄ . Physical Review Letters, 2013, 111, 087003.	7.8	32
95	Strong Correlations from Hund's Coupling. Annual Review of Condensed Matter Physics, 2013, 4, 137-178.	14.5	616
96	Spin Density Wave Fluctuations and d _{x₂-y₂} -Wave Pairing in Sr ₂ RuO ₄ . Physical Review Letters, 2013, 110, 167003.	7.8	29
97	Competition Between Antiferromagnetism and Ferromagnetism in Sr ₂ RuO ₄ Probed by Mn and Co Doping. Scientific Reports, 2013, 3, 2950.	3.3	39
98	Evidence from tunneling spectroscopy for a quasi-one-dimensional origin of superconductivity in Sr ₂ RuO ₄ . Physical Review B, 2013, 88, .	3.2	72
99	Current inversion at the edges of a chiral topological superconductor. Physical Review B, 2014, 90, .	3.2	58
100	In-plane terahertz response of thin film Sr ₂ RuO ₄ . Physical Review B, 2014, 89, .	3.2	9
101	Suppression of spontaneous currents in Sr ₂ RuO ₄ surface disorder. Physical Review B, 2014, 90, .	2.2	14
102	Electronic and elastic properties of Sr ₂ RuO ₄ with pressure effects by first principles calculation. Physica B: Condensed Matter, 2014, 441, 62-67.	2.7	8
103	Strong Increase of $\chi(T)$ of Sr ₂ RuO ₄ Under Both Tensile and Compressive Strain. Science, 2014, 344, 283-285.	12.6	270
104	ARPES experiment in fermiology of quasi-2D metals (Review Article). Low Temperature Physics, 2014, 40, 286-296.	0.6	39
105	Theory of Pairing Assisted Spin Polarization in Spin-Triplet Equal Spin Pairing: Origin of Extra Magnetization in Sr ₂ RuO ₄ in Superconducting State. Journal of the Physical Society of Japan, 2014, 83, 053701.	1.6	18
106	Normal-state nodal electronic structure in underdoped high-T _c copper oxides. Nature, 2014, 511, 61-64.	27.8	85
107	Spin fluctuations in the exotic metallic state of Sr ₂ RuO ₄ studied with ¹ H-NMR. Physical Review B, 2015, 91, .	3.2	8
108	Correlation between Fermi surface transformations and superconductivity in the electron-doped high-T _c cuprates. Physical Review B, 2015, 92, .	1.2	39
109	Spin polarization enhanced by spin-triplet pairing in Sr ₂ RuO ₄ studied by NMR. Physical Review B, 2015, 92, .	2.2	31

#	ARTICLE	IF	CITATIONS
110	Pauli paramagnetic effects on mixed-state properties in a strongly anisotropic superconductor: Application to Sr ₂ RuO ₄ . Physical Review B, 2015, 91, .	3.2	24
111	Charge-transfer model for the electronic structure of layered ruthenates. Physical Review B, 2015, 91, .	3.2	9
112	Quantum oscillations and magnetic reconstruction in the delafossite PdCrO_2 . Physical Review B, 2015, 92, .	3.2	30
113	Quantum Oscillations in Hole-Doped Cuprates. Annual Review of Condensed Matter Physics, 2015, 6, 411-430.	14.5	75
114	Electronic correlations, magnetism, and Hund's rule coupling in the ruthenium perovskites SrRuO_3 and CaRuO_3 . Physical Review B, 2015, 91, .	3.2	74
115	Effects of a tilted magnetic field in a Dirac double layer. Physical Review B, 2015, 91, .	3.2	12
116	Quasiparticle mass enhancement approaching optimal doping in a high- T_c superconductor. Science, 2015, 348, 317-320.	12.6	159
117	Unconventional superconductivity in Sr ₂ RuO ₄ . Physica C: Superconductivity and Its Applications, 2015, 514, 339-353.	1.2	61
118	Strongly Correlated Systems. Springer Series in Solid-state Sciences, 2015, , .	0.3	7
119	Anisotropic spin fluctuations in Sr_2RuO_4 : Role of spin-orbit coupling and induced strain. Physical Review B, 2016, 94, .	2.2	25
120	The Hall viscosity of a two-orbital chiral superconductor Sr_2RuO_4 . Europhysics Letters, 2016, 114, 17007.	2.0	4
121	Thermopower and Entropy: Lessons from Sr_2RuO_4 . Physical Review Letters, 2016, 117, 036401.	7.8	61
122	Fermi liquid behavior of the in-plane resistivity in the pseudogap state of $\text{YBa}_2\text{Cu}_4\text{O}_8$. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13654-13659.	7.1	35
123	Quasiparticle self-consistent GW calculation of Sr_2RuO_4 and SrRuO_3 . Physical Review B, 2016, 93, .	3.2	17
124	Superconducting subphase in the layered perovskite ruthenate Sr_2RuO_4 at a parallel magnetic field. Physical Review B, 2016, 93, .	3.2	11
125	Fermi Surface of Sr_2RuO_4 : Spin-Orbit and Anisotropic Coulomb Interaction Effects. Physical Review Letters, 2016, 116, 106402.	7.8	60
126	Strain Control of Fermiology and Many-Body Interactions in Two-Dimensional Ruthenates. Physical Review Letters, 2016, 116, 197003.	7.8	82
127	Transport Properties of Metallic Ruthenates: A DFT+DMFT Study. Physical Review Letters, 2016, 116, 256401.	7.8	55

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128	Vortical versus skyrmionic states in mesoscopic p -wave superconductors. Physical Review B, 2016, 93, .	3.2	29
129	Quantum oscillations in a bilayer with broken mirror symmetry: A minimal model for $\text{YBa}_2\text{Cu}_3\text{O}_6+\delta$. Physical Review B, 2016, 93, .	3.2	18
130	Modeling the angle-dependent magnetoresistance oscillations of Fermi surfaces with hexagonal symmetry. Physical Review B, 2016, 93, .	3.2	6
131	Life on the edge: a beginner's guide to the Fermi surface. Physica Scripta, 2016, 91, 053009.	2.5	60
132	Strong peak in T_c of Sr_2RuO_4 under uniaxial pressure. Science, 2017, 355, .	12.6	200
133	Quasiparticle interference and strong electron-phonon mode coupling in the quasi-one-dimensional bands of Sr_2RuO_4 . Nature Physics, 2017, 13, 799-805.	16.7	33
134	First-Principles Correlated Approach to the Normal State of Strontium Ruthenate. Scientific Reports, 2017, 7, 43033.	3.3	8
135	Angular magnetoresistance oscillations in the tunneling conductance of a metallic heterojunction. Journal of Applied Physics, 2017, 121, 094307.	2.5	0
136	False spin zeros in the angular dependence of magnetic quantum oscillations in quasi-two-dimensional metals. Physical Review B, 2017, 95, .	3.2	6
137	Quasi-two-dimensional Fermi surface topography of the delafossite PdRhO_2 . Physical Review B, 2017, 96, .	3.2	1
138	Theory of the evolution of superconductivity in Sr_2RuO_4 under anisotropic strain. Npj Quantum Materials, 2017, 2, .	5.2	26
139	Anisotropy and multiband superconductivity in Sr_2RuO_4 determined by small-angle neutron scattering studies of the vortex lattice. Physical Review B, 2017, 96, .	3.2	13
140	Vertical Line Nodes in the Superconducting Gap Structure of Sr_2RuO_4 . Physical Review X, 2017, 7, .	8.9	82
141	Broken rotational symmetry on the Fermi surface of a high- T_c superconductor. Npj Quantum Materials, 2017, 2, .	5.2	12
142	Unconventional superconductivity. Advances in Physics, 2017, 66, 75-196.	14.4	154
143	Low-Temperature Dependence of the Shear Viscosity in Superconductor Sr_2RuO_4 . Journal of Superconductivity and Novel Magnetism, 2017, 30, 865-869.	1.8	1
144	Effective masses, lifetimes, and optical conductivity in Sr_2RuO_4 and $\text{Sr}_3\text{Ru}_2\text{O}_7$: Interplay of spin-orbit, crystal-field, and Coulomb tetragonal tensor interactions. Physical Review B, 2018, 97, .	3.2	11
145	Superconducting pairing in Sr_2RuO_4 from weak to intermediate coupling. Physical Review B, 2018, 97, .	3.2	26

#	ARTICLE	IF	CITATIONS
146	Sr ₅ Os ₃ O ₁₃ : a mixed valence osmium ($\langle scp \rangle v \langle /scp \rangle, \langle scp \rangle vi \langle /scp \rangle$) layered perovskite variant exhibiting temperature dependent charge distribution. Dalton Transactions, 2018, 47, 5968-5976.	3.3	6
147	Resistivity in the Vicinity of a van Hove Singularity: $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle Sr \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ under Uniaxial Pressure. Physical Review Letters, 2018, 120, 076602.	7.8	76
148	Spin-Orbit Coupling and Electronic Correlations in $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle Sr \langle /mml:mi \rangle \langle /mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Physical Review Letters, 2018, 120, 126401.	7.8	76
149	Weak-coupling superconductivity in an anisotropic three-dimensional repulsive Hubbard model. Physical Review B, 2018, 98, .	3.2	12
150	Impact of antiferromagnetic order on Landau-level splitting of quasi-two-dimensional Dirac fermions in $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:msub \rangle \langle mml:mi \rangle EuMnBi \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:msub \rangle \langle /mml:math \rangle$ Physical Review B, 2018, 98, .	3.2	28
151	Searching for Gap Zeros in Sr ₂ RuO ₄ via Field-Angle-Dependent Specific-Heat Measurement. Journal of the Physical Society of Japan, 2018, 87, 093703.	1.6	51
152	Orbital-selective metal-insulator transition lifting the t _{2g} band hybridization in the Hund metal Sr ₃ (Ru _{1-x} Mn _x) ₂ O ₇ . Physical Review B, 2018, 98, .	3.2	1
153	Quantum oscillation measurements in high magnetic field and ultra-low temperature. Chinese Physics B, 2018, 27, 077101.	1.4	0
154	Spin-Orbit and Coulomb Effects in Single-Layered Ruthenates. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800211.	2.4	8
155	Superconductivity in $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle Sr \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ thin films under biaxial strain. Physical Review B, 2018, 97, .	3.2	14
156	Angle-dependent magnetoresistance as a probe of Fermi surface warping in $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle HgBa \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Physical Review B, 2018, 98, .	3.2	10
157	Fermi-surface selective determination of the $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mi \rangle g \langle /mml:mi \rangle \langle /mml:math \rangle$-factor anisotropy in $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle URu \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Physical Review B, 2018, 99, .	3.2	8
158	Probing the reconstructed Fermi surface of antiferromagnetic BaFe ₂ As ₂ in one domain. Npj Quantum Materials, 2019, 4, .	5.2	26
159	Exotic Cooper pairing in multiorbital models of $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle Sr \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$ Physical Review B, 2019, 100, .	3.2	30
160	Direct observation of a uniaxial stress-driven Lifshitz transition in Sr ₂ RuO ₄ . Npj Quantum Materials, 2019, 4, .	5.2	54
161	Effect of strain inhomogeneity on a chiral p-wave superconductor. Physical Review B, 2019, 100, .	3.2	5
162	Magnetic response of $\langle mml:math \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle mml:mrow \rangle \langle mml:msub \rangle \langle mml:mi \rangle Sr \langle /mml:mi \rangle \langle mml:mn \rangle 2 \langle /mml:mn \rangle \langle /mml:mrow \rangle \langle /mml:math \rangle$: Quasi-local spin fluctuations due to Hund's coupling. Physical Review B, 2019, 100, .	3.2	32
163	Angle Resolved Photoemission Spectroscopy of Delafossite Metals. Springer Theses, 2019, , .	0.1	5

#	ARTICLE	IF	CITATIONS
182	Direct comparison of ARPES, STM, and quantum oscillation data for band structure determination in Sr ₂ RhO ₄ . Npj Quantum Materials, 2020, 5, .	5.2	6
183	Hidden anomalous Hall effect in Sr_2RuO_4 with chiral superconductivity dominated by the Ru orbital. Physical Review B, 2020, 102, .	3.2	10
184	Three-dimensional Fermi surface and small effective masses in Mo ₈ Ga ₄₁ . Applied Physics Letters, 2020, 116, 202601.	3.3	6
185	Electrical scattering mechanism evolution in un-doped and halogen-doped Bi ₂ O ₂ Se single crystals. Journal of Physics Condensed Matter, 2020, 32, 365705.	1.8	0
186	Fermi surface of PtCoO_2 from quantum oscillations and electronic structure calculations. Physical Review B, 2020, 101, .	3.2	10
187	Imaginary-time matrix product state impurity solver in a real material calculation: Spin-orbit coupling in Sr_2RuO_4 . Physical Review B, 2020, 101, .	3.2	26
188	Angle, Spin, and Depth Resolved Photoelectron Spectroscopy on Quantum Materials. Chemical Reviews, 2021, 121, 2816-2856.	47.7	16
189	Symmetry Properties of Superconducting Order Parameter in Sr ₂ RuO ₄ . Journal of Superconductivity and Novel Magnetism, 2021, 34, 1647-1673.	1.8	22
190	High-sensitivity heat-capacity measurements on Sr ₂ RuO ₄ under uniaxial pressure. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	33
191	Impurity-induced magnetic ordering in Sr ₂ RuO ₄ . Physical Review Research, 2021, 3, .	3.6	2
192	Single-Crystal Growth of Sr ₂ RuO ₄ by the Floating-Zone Method Using an Infrared Image Furnace with Improved Halogen Lamps. Crystals, 2021, 11, 392.	2.2	4
193	Optical and optical properties of Sr_2RuO_4 . Physical Review B, 2021, 103, .	1.9	9
194	Optical signatures of shear collective modes in strongly interacting Fermi liquids. Physical Review Research, 2021, 3, .	3.6	12
195	BaOsO_3 : A Hund's metal in the presence of strong spin-orbit coupling. Physical Review B, 2021, 103, .	3.7	11
196	Designing and controlling the properties of transition metal oxide quantum materials. Nature Materials, 2021, 20, 1462-1468.	27.5	42
197	Magnetic Field Tunable Intertwined Checkerboard Charge Order and Nematicity in the Surface Layer of Sr ₂ RuO ₄ . Advanced Materials, 2021, 33, e2100593.	21.0	11
198	Orbital dichotomy of Fermi liquid properties in Sr_2RuO_4 revealed by Raman spectroscopy. Physical Review B, 2021, 103, .	3.2	3
199	Quantum oscillations and quasiparticle properties of thin film Sr_2RuO_4 . Physical Review B, 2021, 104, .	3.2	11

#	ARTICLE	IF	CITATIONS
200	A review of some new perspectives on the theory of superconducting SrRuO_4 . Chinese Physics B, 2021, 30, 107403.	1.4	6
201	Unconventional superconductivity. , 2014, , 23-79.		5
202	Superconducting order of Sr_2RuO_4 from a three-dimensional microscopic model. Physical Review Research, 2019, 1, .	3.6	44
203	Grand canonical ensemble. , 2001, , 187-201.		0
204	Resonance Tunneling in Ferromagnet-Triplet Superconductors Junctions. Acta Physica Polonica A, 2007, 111, 683-691.	0.5	0
205	Background Physics. Springer Theses, 2010, , 7-44.	0.1	0
207	Quantum Oscillation Measurements Applied to Strongly Correlated Electron Systems. Springer Series in Solid-state Sciences, 2015, , 137-172.	0.3	1
208	$\text{BaFe}_2(\text{As}_{1-x}\text{P}_x)_2$ A Quantum Critical Superconductor. Springer Theses, 2017, , 81-119.	0.1	0
209	Application to SrRuO_4 . Springer Theses, 2017, , 53-70.	0.1	0
210	Uniaxial Stress Technique. Springer Theses, 2018, , 13-48.	0.1	0
211	Quantum Criticality and Metamagnetism of Strained $\text{Sr}_3\text{Ru}_2\text{O}_7$. Springer Theses, 2018, , 111-164.	0.1	0
212	The Physics of Sr_2RuO_4 Approaching a Van Hove Singularity. Springer Theses, 2018, , 49-109.	0.1	0
214	Bulk States in PtCoO_2 and PdCoO_2 . Springer Theses, 2019, , 77-88.	0.1	0
231	Possible quantum nematic phase in a colossal magnetoresistance material. Physical Review B, 2022, 105, .	3.2	3
232	Fermi surface transformation at the pseudogap critical point of a cuprate superconductor. Nature Physics, 2022, 18, 558-564.	16.7	20
233	Nodal gaps from local interactions in SrRuO_4 . Journal of Physics: Conference Series, 2022, 2164, 012002.	0.4	6
234	Interorbital singlet pairing in Sr_2RuO_4 : A Hund's superconductor. Physical Review B, 2022, 105, .		
235	Growth and Electrical Properties of Polymorphs of Mo-Te Crystals. Materials Research Bulletin, 2022, 151, 111796.	5.2	1

#	ARTICLE	IF	CITATIONS
236	Electronic structure and magnetism of the triple-layered ruthenate $\text{Sr}_4\text{Ru}_3\text{O}_{10}$. Physical Review B, 2022, 105, .	3.2	4
238	Elastocaloric determination of the phase diagram of Sr_2RuO_4 . Nature, 2022, 607, 276-280.	27.8	18
239	Leading superconducting instabilities in three-dimensional models for Sr_2RuO_4 . Physical Review Research, 2022, 4, .	26.14	26
240	The superconductivity of Sr_2RuO_4 under c-axis uniaxial stress. Nature Communications, 2022, 13, .	12.8	13
241	Multipole-fluctuation pairing mechanism of d_{xy} superconductivity in Sr_2RuO_4 . Physical Review B, 2022, 106, .	3.2	6
242	The effect of nonmagnetic disorder in the superconducting energy gap of strontium ruthenate. Physica B: Condensed Matter, 2022, 646, 414330.	2.7	0
243	The Effect of Nonmagnetic Disorder in the Energy Gap at Zero Temperature for the $\text{Fs}^{\hat{\Gamma}}$ -Sheet of Strontium Ruthenate. SSRN Electronic Journal, 0, , .	0.4	0
244	Quasi-point versus point nodes in Sr_2RuO_4 , the case of a flat tight binding $\hat{\Gamma}^3$ sheet. Revista Mexicana De Física, 2022, 68, .	0.4	1
245	Tuning the Fermi liquid crossover in Sr_2RuO_4 with uniaxial stress. Npj Quantum Materials, 2022, 7, .	5.2	6
246	Degeneracy between even- and odd-parity superconductivity in the quasi-one-dimensional Hubbard model and implications for Sr_2RuO_4 . Physical Review B, 2023, 107, .	3.2	4
247	Measurements on $\hat{\Gamma}^4$ Sr_2RuO_4 under $\hat{\Gamma}^3$ sheet. Physical Review B, 2023, 107, .	3.2	3
248	Fermi surface measurements. , 2022, , .		0
249	Hund's coupling and spin-orbit interaction in the three-band Hubbard model: Anomalous mass renormalization in Sr_2RuO_4 . Physical Review B, 2023, 107, .	3.2	0
250	Spin fluctuations in Sr_2RuO_4 . Physical Review B, 2023, 107, .	1.2	1.8
251	Anomalous anisotropic magnetoresistance in the topological semimetal HoPtBi . NPG Asia Materials, 2023, 15, .	7.9	1
252	Probing Momentum-Dependent Scattering in Uniaxially Stressed Sr_2RuO_4 through the Hall Effect. Physical Review Letters, 2023, 131, .	7.8	0
253	Signatures of Cooper pair dynamics and quantum-critical superconductivity in tunable carrier bands. Proceedings of the National Academy of Sciences of the United States of America, 2023, 120, .	7.1	3
254	Anisotropic Seebeck coefficient of Sr_2RuO_4 in the incoherent regime. Physical Review B, 2023, 108, .	2.2	2

#	ARTICLE	IF	CITATIONS
255	Constraints on the superconducting state of Sr_2RuO_4 from elastocaloric measurements. Physical Review B, 2023, 108, .	12.6	4
256	Giant lattice softening at a Lifshitz transition in Sr_2RuO_4 . Science, 2023, 382, 447-450.	12.6	4
257	Effects of Carrier Density and Interactions on Pairing Symmetry in a Sr_2RuO_4 Model. Chinese Physics B, 0, , .	1.4	0
258	In-Plane Magnetic Penetration Depth in Sr_2RuO_4 : Muon-Spin Rotation and Relaxation Study. Physical Review Letters, 2023, 131, .	7.8	0
259	Fate of Quasiparticles at High Temperature in the Correlated Metal Sr_2RuO_4 . Physical Review Letters, 2023, 131, .	7.8	0
260	Accuracy of ghost-rotationally-invariant slave-boson theory for multiorbital Hubbard models and realistic materials. Physical Review B, 2023, 108, .	3.2	1
261	Exchange-correlation effects on the structural, electronic, and optical properties of Sr_2RuO_4 using DFT calculations. Journal of Alloys and Compounds, 2024, 976, 173191.	5.5	0