

Zhiqiang Mao

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

192
papers

7,473
citations

41
h-index

82
g-index

218
ext. papers

8,924
ext. citations

6.5
avg, IF

5.62
L-index

#	Paper	IF	Citations
192	Elastic stiffening induces one-dimensional phonons in thin Ta ₂ Se ₃ nanowires. <i>Applied Physics Letters</i> , 2022 , 120, 062201	3.4	1
191	Interlayer magnetophononic coupling in MnBiTe ₂ . <i>Nature Communications</i> , 2022 , 13, 1929	17.4	4
190	BR investigation of the Fe-doped Ca ₃ Ru ₂ O ₇ polar metal. <i>Journal of Magnetism and Magnetic Materials</i> , 2022 , 551, 169138	2.8	
189	Superconducting spin smecticity evidencing the Fulde-Ferrell-Larkin-Ovchinnikov state in SrRuO ₂ . <i>Science</i> , 2022 , 376, 397-400	33.3	2
188	An integrated quantum material testbed with multi-resolution photoemission spectroscopy. <i>Review of Scientific Instruments</i> , 2021 , 92, 113907	1.7	2
187	Neutron scattering studies on spin fluctuations in Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	2
186	Anisotropic Berry phase in the Dirac nodal-line semimetal ZrSiS: The effect of spin-orbit coupling. <i>Physical Review B</i> , 2021 , 103,	3.3	2
185	Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. <i>Physical Review Materials</i> , 2021 , 5,	3.2	8
184	Cold sintering of magnetic BaFe ₁₂ O ₁₉ and other ferrites at 300 °C. <i>Journal of Materials Science</i> , 2021 , 56, 11229-11236	4.3	6
183	Surface charge induced Dirac band splitting in a charge density wave material (TaSe ₄) ₂ I. <i>Physical Review Research</i> , 2021 , 3,	3.9	4
182	Observation of superdiffusive phonon transport in aligned atomic chains. <i>Nature Nanotechnology</i> , 2021 , 16, 764-768	28.7	15
181	Direct evidence of ferromagnetism in MnSb ₂ Te ₄ . <i>Physical Review B</i> , 2021 , 103,	3.3	8
180	Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. <i>Nano Letters</i> , 2021 , 21, 4887-4893	11.5	5
179	Inherited weak topological insulator signatures in the topological hourglass semimetal Nb ₃ XTe ₆ (X=Si, Ge). <i>Physical Review B</i> , 2021 , 103,	3.3	4
178	Nano-imaging of strain-tuned stripe textures in a Mott crystal. <i>Npj Quantum Materials</i> , 2021 , 6,	5	4
177	Origins of electronic bands in the antiferromagnetic topological insulator MnBi ₂ Te ₄ . <i>Physical Review B</i> , 2021 , 104,	3.3	6
176	Ultrafast optical melting of trimer superstructure in layered 1T'-TaTe ₂ . <i>Communications Physics</i> , 2021 , 4,	5.4	2

175	Decoding defect ordering from ADF-STEM images of van der Waals CrGa ₂ Te ₇ ferromagnetic crystals using the unsupervised machine learning algorithm. <i>Microscopy and Microanalysis</i> , 2021 , 27, 710-711	9.5	1
174	Magnetic-Field-Induced Re-entrance of Superconductivity in TaPdS Nanostrips. <i>Nano Letters</i> , 2021 , 21, 288-297	11.5	0
173	Ultrasound evidence for a two-component superconducting order parameter in Sr ₂ RuO ₄ . <i>Nature Physics</i> , 2021 , 17, 194-198	16.2	22
172	Tunneling Effects in Crossed Ta ₂ Pt ₃ Se ₈ /Ta ₂ Pd ₃ Se ₈ Nanowire Junctions: Implications for Anisotropic Photodetectors. <i>ACS Applied Nano Materials</i> , 2021 , 4, 1817-1824	5.6	4
171	Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb. <i>Nature Communications</i> , 2021 , 12, 4062	17.4	4
170	Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator Mn(Bi _{1-x} Sbx) ₂ Te ₄ . <i>Physical Review X</i> , 2021 , 11,	9.1	4
169	1T'-MoTe ₂ and 2H-MoTe ₂ by XPS. <i>Surface Science Spectra</i> , 2021 , 28, 024001	1.2	0
168	Emergence of a competing stripe phase near the Mott transition in Ti-doped bilayer calcium ruthenates. <i>Physical Review B</i> , 2020 , 101,	3.3	4
167	High yield production of ultrathin fibroid semiconducting nanowire of Ta ₂ Pd ₃ Se ₈ . <i>Nano Research</i> , 2020 , 13, 1627-1635	10	8
166	Electronic correlations in nodal-line semimetals. <i>Nature Physics</i> , 2020 , 16, 636-641	16.2	31
165	Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal CoMnAl. <i>Nature Communications</i> , 2020 , 11, 3476	17.4	42
164	Indications for Lifshitz transitions in the nodal-line semimetal ZrSiTe induced by interlayer interaction. <i>Physical Review B</i> , 2020 , 101,	3.3	8
163	Evidence from transport measurements for YRh ₆ Ge ₄ being a triply degenerate nodal semimetal. <i>Physical Review B</i> , 2020 , 101,	3.3	1
162	Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. <i>Physical Review B</i> , 2020 , 101,	3.3	8
161	Ferromagnetism in van der Waals compound MnSb _{1.8} Bi _{0.2} Te ₄ . <i>Physical Review Materials</i> , 2020 , 4,	3.2	7
160	Directional massless Dirac fermions in a layered van der Waals material with one-dimensional long-range order. <i>Nature Materials</i> , 2020 , 19, 27-33	27	9
159	Reduction of the Spin Susceptibility in the Superconducting State of Sr ₂ RuO ₄ Observed by Polarized Neutron Scattering. <i>Physical Review Letters</i> , 2020 , 125, 217004	7.4	10
158	IrO ₂ Surface Complexions Identified through Machine Learning and Surface Investigations. <i>Physical Review Letters</i> , 2020 , 125, 206101	7.4	8

157	NBl-type skyrmion in WTe/FeGeTe van der Waals heterostructure. <i>Nature Communications</i> , 2020 , 11, 3860	17.4	81
156	Distinct magneto-Raman signatures of spin-flip phase transitions in CrI. <i>Nature Communications</i> , 2020 , 11, 3879	17.4	31
155	Subtle metastability of the layered magnetic topological insulator MnBi ₂ Te ₄ from weak interactions. <i>Npj Computational Materials</i> , 2020 , 6,	10.9	5
154	Net negative contributions of free electrons to the thermal conductivity of NbSe nanowires. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 21131-21138	3.6	2
153	Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi. <i>Physical Review B</i> , 2020 , 102,	3.3	1
152	Recent advancements in the study of intrinsic magnetic topological insulators and magnetic Weyl semimetals. <i>APL Materials</i> , 2020 , 8, 090701	5.7	6
151	Electric field induced metallic behavior in thin crystals of ferroelectric Hn ₂ Se ₃ . <i>Applied Physics Letters</i> , 2020 , 117, 052901	3.4	8
150	Atomic and electronic structure of domains walls in a polar metal. <i>Physical Review B</i> , 2019 , 99,	3.3	15
149	Spin Fluctuations in Sr ₂ RuO ₄ from Polarized Neutron Scattering: Implications for Superconductivity. <i>Physical Review Letters</i> , 2019 , 122, 047004	7.4	24
148	Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. <i>APL Materials</i> , 2019 , 7, 051105	5.7	5
147	Comprehensive magnetic phase diagrams of the polar metal Ca ₃ (Ru _{0.95} Fe _{0.05}) ₂ O ₇ . <i>Physical Review B</i> , 2019 , 99,	3.3	3
146	Fe-doping induced suppression of the second magnetic transition in Sr ₄ Ru ₃ O ₁₀ . <i>Physical Review B</i> , 2019 , 99,	3.3	1
145	Surface Instability and Chemical Reactivity of ZrSiS and ZrSiSe Nodal-Line Semimetals. <i>Advanced Functional Materials</i> , 2019 , 29, 1900438	15.6	5
144	Raman detection of hidden phonons assisted by atomic point defects in a two-dimensional semimetal. <i>Npj 2D Materials and Applications</i> , 2019 , 3,	8.8	7
143	Transport of Topological Semimetals. <i>Annual Review of Materials Research</i> , 2019 , 49, 207-252	12.8	76
142	Chemical pressure effect on the optical conductivity of the nodal-line semimetals ZrSiY(Y=S,Se,Te) and ZrGeY(Y=S,Te). <i>Physical Review B</i> , 2019 , 99,	3.3	16
141	Ultrafast quasiparticle dynamics in the correlated semimetal Ca ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2019 , 99,	3.3	2
140	Plaquette instability competing with bicollinear ground state in detwinned FeTe. <i>Physical Review B</i> , 2019 , 100,	3.3	5

139	Infrared spectroscopy study of the nodal-line semimetal candidate ZrSiTe under pressure: Hints for pressure-induced phase transitions. <i>Physical Review B</i> , 2019 , 99,	3.3	10
138	Influence of magnetism on Dirac semimetallic behavior in nonstoichiometric Sr _{1-y} Mn _{1-z} Sb ₂ (y~0.07,z~0.02). <i>Physical Review B</i> , 2019 , 100,	3.3	5
137	Ion intercalation engineering of electronic properties of two-dimensional crystals of 2H-TaSe ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
136	Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator MnBi ₂ Te ₄ . <i>Physical Review Research</i> , 2019 , 1,	3.9	114
135	Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. <i>Physical Review B</i> , 2019 , 100,	3.3	12
134	Distinct Signatures of Electron-Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe Nanowires. <i>Nano Letters</i> , 2019 , 19, 415-421	11.5	20
133	Thermal Transport in Quasi-1D van der Waals Crystal TaPdSe Nanowires: Size and Length Dependence. <i>ACS Nano</i> , 2018 , 12, 2634-2642	16.7	50
132	Quantum oscillation evidence for a topological semimetal phase in ZrSnTe. <i>Physical Review B</i> , 2018 , 97,	3.3	12
131	Observation of Quasi-Two-Dimensional Polar Domains and Ferroelastic Switching in a Metal, CaRuO. <i>Nano Letters</i> , 2018 , 18, 3088-3095	11.5	39
130	Existence of electron and hole pockets and partial gap opening in the correlated semimetal Ca ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2018 , 97,	3.3	11
129	Lithium ion intercalation in thin crystals of hexagonal TaSe ₂ gated by a polymer electrolyte. <i>Applied Physics Letters</i> , 2018 , 112, 023502	3.4	13
128	Field-induced magnetic phase transitions and memory effect in bilayer ruthenate CaRuO with Fe substitution. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 075802	1.8	5
127	A full monolayer of superoxide: oxygen activation on the unmodified CaRuO(001) surface. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 5703-5713	13	12
126	Temperature- and field-driven spin reorientations in triple-layer ruthenate SrRuO. <i>Scientific Reports</i> , 2018 , 8, 3914	4.9	6
125	Magnetoresistance and Shubnikov-de Haas oscillations in layered Nb ₃ SiTe ₆ thin flakes. <i>Physical Review B</i> , 2018 , 97,	3.3	10
124	Searching for topological Fermi arcs via quasiparticle interference on a type-II Weyl semimetal MoTe ₂ . <i>Npj Quantum Materials</i> , 2018 , 3,	5	8
123	Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. <i>Nano Letters</i> , 2018 , 18, 4214-4219	11.5	79
122	Superconductivity in the half-Heusler compound TbPdBi. <i>Physical Review B</i> , 2018 , 97,	3.3	27

121	Coherent growth of oxide films on a cleaved layered metal oxide substrate. <i>Physical Review Materials</i> , 2018 , 2,	3.2	2
120	Signature of quantum Griffiths singularity state in a layered quasi-one-dimensional superconductor. <i>Nature Communications</i> , 2018 , 9, 4656	17.4	17
119	Evidence for unconventional superconductivity in half-Heusler YPdBi and TbPdBi compounds revealed by London penetration depth measurements. <i>Physical Review B</i> , 2018 , 98,	3.3	12
118	Angle-dependent magnetoresistance as a sensitive probe of the charge density wave in quasi-one-dimensional semimetal Ta ₂ NiSe ₇ . <i>Applied Physics Letters</i> , 2018 , 113, 192401	3.4	1
117	4D-STEM Differential Phase Contrast Microscopy Across Ferroelectric Domain Walls. <i>Microscopy and Microanalysis</i> , 2018 , 24, 228-229	0.5	
116	Using coherent phonons for ultrafast control of the Dirac node of SrMnSb ₂ . <i>Physical Review B</i> , 2018 , 98,	3.3	8
115	Electron mass enhancement and magnetic phase separation near the Mott transition in double-layer ruthenates. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	2
114	Reorientation of the diagonal double-stripe spin structure at FeTe bulk and thin-film surfaces. <i>Nature Communications</i> , 2017 , 8, 13939	17.4	20
113	G-type magnetic order in ferropnictide Cu _x Fe _{1-x} As induced by hole doping on As sites. <i>Physical Review B</i> , 2017 , 95,	3.3	1
112	Ordered hydroxyls on CaRuO(001). <i>Nature Communications</i> , 2017 , 8, 23	17.4	10
111	Mott transition controlled by lattice-orbital coupling in 3d-metal-doped double-layer ruthenates. <i>Physical Review B</i> , 2017 , 96,	3.3	7
110	Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi. <i>Nature Communications</i> , 2017 , 8, 646	17.4	26
109	Isolation and Characterization of Few-Layer Manganese Thiophosphite. <i>ACS Nano</i> , 2017 , 11, 11330-11336	6.7	70
108	Non-Fermi surface nesting driven commensurate magnetic ordering in Fe-doped Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2017 , 95,	3.3	2
107	Tipping the magnetic instability in paramagnetic Sr ₃ Ru ₂ O ₇ by Fe impurities. <i>Physical Review B</i> , 2017 , 95,	3.3	2
106	Tuning the competing phases of bilayer ruthenate Ca ₃ Ru ₂ O ₇ via dilute Mn impurities and magnetic field. <i>Physical Review B</i> , 2017 , 95,	3.3	6
105	Field-induced metastability of the modulation wave vector in a magnetic soliton lattice. <i>Physical Review B</i> , 2017 , 95,	3.3	3
104	Resistivity of Weyl semimetals NbP and TaP under pressure. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700182	2.5	6

103	A magnetic topological semimetal SrMnSb (y, z Nature Materials, 2017 , 16, 905-910	27	87
102	Band dependence of charge density wave in quasi-one-dimensional Ta ₂ NiSe ₇ probed by orbital magnetoresistance. <i>Applied Physics Letters</i> , 2017 , 111, 052405	3.4	2
101	Absence of a Large Superconductivity-Induced Gap in Magnetic Fluctuations of Sr ₂ RuO ₄ . <i>Physical Review Letters</i> , 2017 , 118, 147002	7.4	9
100	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017 , 122, 223102	2.5	27
99	Quantum oscillation studies of the topological semimetal candidate ZrGeM(M=S,Se,Te). <i>Physical Review B</i> , 2017 , 95,	3.3	44
98	Interface between Sr ₂ RuO ₄ and Ru-metal inclusion: Implications for its superconductivity. <i>Physical Review B</i> , 2017 , 96,	3.3	2
97	Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. <i>Nano Letters</i> , 2016 , 16, 6188-6195	11.5	24
96	Colossal Magnetoresistance in a Mott Insulator via Magnetic Field-Driven Insulator-Metal Transition. <i>Physical Review Letters</i> , 2016 , 116, 216401	7.4	19
95	Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. <i>Physical Review Letters</i> , 2016 , 117, 016602	7.4	270
94	Single- and few-layer WTe ₂ and their suspended nanostructures: Raman signatures and nanomechanical resonances. <i>Nanoscale</i> , 2016 , 8, 7854-60	7.7	37
93	Adsorption of water at the SrO surface of ruthenates. <i>Nature Materials</i> , 2016 , 15, 450-455	27	50
92	Nanoscale Inhomogeneous Superconductivity in Fe(Te _{1-x} Sex) Probed by Nanostructure Transport. <i>ACS Nano</i> , 2016 , 10, 429-35	16.7	5
91	Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. <i>Nano Research</i> , 2016 , 9, 2598-2605	10	14
90	Strong lattice correlation of non-equilibrium quasiparticles in a pseudospin-1/2 Mott insulator Sr ₂ IrO ₄ . <i>Scientific Reports</i> , 2016 , 6, 19302	4.9	10
89	Magnetic phase separation in double layer ruthenates Ca ₃ (Ru _(1-x) Ti _(x)) ₂ O ₇ . <i>Scientific Reports</i> , 2016 , 6, 19462	4.9	7
88	π Berry phase and Zeeman splitting of Weyl semimetal TaP. <i>Scientific Reports</i> , 2016 , 6, 18674	4.9	91
87	Absorption edges of black phosphorus: A comparative analysis. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2509-2514	1.3	22
86	Absence of the O17 Knight-shift changes across the first-order phase transition line in Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2016 , 94,	3.3	11

85	Nearly massless Dirac fermions hosted by Sb square net in BaMnSb ₂ . <i>Scientific Reports</i> , 2016 , 6, 30525	4.9	46
84	Environmental Instability and Degradation of Single- and Few-Layer WTe Nanosheets in Ambient Conditions. <i>Small</i> , 2016 , 12, 5802-5808	11	69
83	Pressure-induced electronic and magnetic phase transitions in a Mott insulator: Ti-doped Ca ₃ Ru ₂ O ₇ bilayer ruthenate. <i>Physical Review B</i> , 2016 , 94,	3.3	7
82	Enhanced electron coherence in atomically thin Nb ₃ SiTe ₆ . <i>Nature Physics</i> , 2015 , 11, 471-476	16.2	31
81	Drastic Pressure Effect on the Extremely Large Magnetoresistance in WTe ₂ : Quantum Oscillation Study. <i>Physical Review Letters</i> , 2015 , 115, 057202	7.4	120
80	STEM and EELS Investigation on Black Phosphorus at Atomic Resolution. <i>Microscopy and Microanalysis</i> , 2015 , 21, 427-428	0.5	4
79	Spin polarization enhanced by spin-triplet pairing in Sr ₂ RuO ₄ probed by NMR. <i>Physical Review B</i> , 2015 , 92,	3.3	28
78	Origin of the turn-on temperature behavior in WTe ₂ . <i>Physical Review B</i> , 2015 , 92,	3.3	97
77	Experimental observation of incoherent-coherent crossover and orbital-dependent band renormalization in iron chalcogenide superconductors. <i>Physical Review B</i> , 2015 , 92,	3.3	33
76	Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. <i>Nature Communications</i> , 2015 , 6, 7777	17.4	110
75	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. <i>2D Materials</i> , 2015 , 2, 011001	5.9	172
74	Weak ferromagnetism of Cu _x Fe _{1+y} As and its evolution with Co doping. <i>Physical Review B</i> , 2015 , 91,	3.3	5
73	Superconductor-insulator transition in quasi-one-dimensional single-crystal Nb ₃ BiS ₂ nanowires. <i>Nano Letters</i> , 2015 , 15, 869-75	11.5	22
72	Modified magnetism within the coherence volume of superconducting Fe _{1+x} Te _{1-y} . <i>Physical Review B</i> , 2014 , 90,	3.3	5
71	High chemical activity of a perovskite surface: reaction of CO with Sr ₃ Ru ₂ O ₇ . <i>Physical Review Letters</i> , 2014 , 113, 116101	7.4	16
70	High performance field-effect transistor based on multilayer tungsten disulfide. <i>ACS Nano</i> , 2014 , 8, 10396-402	16.4	116
69	Point defects at cleaved Sr _{n+1} Ru _n O _{3n+1} (001) surfaces. <i>Physical Review B</i> , 2014 , 90,	3.3	10
68	Commensurate-incommensurate magnetic phase transition in the Fe-doped bilayer ruthenate Ca ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2014 , 89,	3.3	15

67	Structural and metal-insulator transitions in ionic liquid-gated Ca ₃ Ru ₂ O ₇ surface. <i>Applied Physics Letters</i> , 2014 , 104, 253503	3-4	3
66	Epitaxial strain effect on the Jeff = 1/2 moment orientation in Sr ₂ IrO ₄ thin films. <i>Physical Review B</i> , 2014 , 89,	3-3	29
65	Spin-orbit coupling and weak antilocalization in the thermoelectric material Bi ₂ Se ₃ . <i>Journal of Physics Condensed Matter</i> , 2014 , 26, 095801	1.8	7
64	Possible nodal superconducting gap in Fe _{1+y} (Te _{1-x} Se _x) single crystals from ultralow temperature penetration depth measurements. <i>Physical Review B</i> , 2013 , 88,	3-3	5
63	From quasi-two-dimensional metal with ferromagnetic bilayers to Mott insulator with G-type antiferromagnetic order in Ca ₃ (Ru _{1-x} Ti _x) ₂ O ₇ . <i>Physical Review B</i> , 2013 , 87,	3-3	18
62	Unconventional quantum oscillations in mesoscopic rings of spin-triplet superconductor Sr ₂ RuO ₄ . <i>Physical Review B</i> , 2013 , 87,	3-3	24
61	Ferromagnetism in CuFeSb: Evidence of competing magnetic interactions in iron-based superconductors. <i>Physical Review B</i> , 2012 , 85,	3-3	11
60	Itinerant ferromagnetism and geometrically suppressed metal-insulator transition in epitaxial thin films of Ca ₂ RuO ₄ . <i>Applied Physics Letters</i> , 2012 , 100, 052401	3-4	12
59	Magnetic structure of quasi-one-dimensional antiferromagnetic TaFe _{1+y} Te ₃ . <i>Physical Review B</i> , 2012 , 85,	3-3	7
58	Fermi surface sheet-dependent band splitting in Sr ₂ RuO ₄ revealed by high-resolution angle-resolved photoemission spectroscopy. <i>Physical Review B</i> , 2012 , 86,	3-3	8
57	Effect of disorder on quantum phase transition in the double layered ruthenates (Sr _{1-x} Cax) ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2012 , 86,	3-3	4
56	Precision global measurements of London penetration depth in FeTe _{0.58} Se _{0.42} . <i>Physical Review B</i> , 2011 , 84,	3-3	16
55	Spin-wave excitation in the antiferromagnetic bilayer ruthenate Ca ₃ Ru ₂ O ₇ . <i>Physical Review B</i> , 2011 , 84,	3-3	7
54	Emergent electronic and magnetic state in Ca ₃ Ru ₂ O ₇ induced by Ti doping. <i>Physical Review B</i> , 2011 , 84,	3-3	24
53	Calorimetric evidence of strong-coupling multiband superconductivity in Fe(Te _{0.57} Se _{0.43}) single crystal. <i>Physical Review B</i> , 2011 , 83,	3-3	46
52	Anisotropy of magnetoresistivities in Sr ₄ Ru ₃ O ₁₀ : Evidence for an orbital-selective metamagnetic transition. <i>Physical Review B</i> , 2010 , 81,	3-3	15
51	Weak anisotropy of the superconducting upper critical field in Fe _{1.11} Te _{0.6} Se _{0.4} single crystals. <i>Physical Review B</i> , 2010 , 81,	3-3	122
50	Doping and dimensionality effects on the core-level spectra of layered ruthenates. <i>Physical Review B</i> , 2010 , 81,	3-3	9

49	Interplay between the lattice and spin degrees of freedom in $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2010 , 82,	3-3	17
48	London penetration depth and superfluid density of single-crystalline $\text{Fe}_{1+y}(\text{Te}_{1-x}\text{S}_x)$ and $\text{Fe}_{1+y}(\text{Te}_{1-x}\text{S}_x)$. <i>Physical Review B</i> , 2010 , 81,	3-3	61
47	Incommensurate itinerant antiferromagnetic excitations and spin resonance in the $\text{FeTe}_{0.6}\text{Se}_{0.4}$ superconductor. <i>Physical Review B</i> , 2010 , 81,	3-3	77
46	Complex electronic states in double-layered ruthenates $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2009 , 80,	3-3	12
45	Structural, magnetic, and electronic transport properties of $(\text{Sr}_{0.9}\text{Ca}_{0.1})_3\text{Ru}_2\text{O}_7$ single crystal. <i>Journal of Applied Physics</i> , 2009 , 105, 07E323	2-5	3
44	Charge-carrier localization induced by excess Fe in the superconductor $\text{Fe}_{1+y}\text{Te}_{1-x}\text{S}_x$. <i>Physical Review B</i> , 2009 , 80,	3-3	205
43	Superconductivity close to magnetic instability in $\text{Fe}(\text{Se}_{1-x}\text{Te}_x)_{0.82}$. <i>Physical Review B</i> , 2008 , 78,	3-3	529
42	Unusual heavy-mass nearly ferromagnetic state with a surprisingly large Wilson ratio in the double layered ruthenates $(\text{Sr}_{1-x}\text{Ca}_x)_3\text{Ru}_2\text{O}_7$. <i>Physical Review B</i> , 2008 , 78,	3-3	25
41	Phase diagram of the electronic states of trilayered ruthenate $\text{Sr}_4\text{Ru}_3\text{O}_{10}$. <i>Physical Review B</i> , 2007 , 75,	3-3	21
40	Orbital-dependent metamagnetic response in $\text{Sr}_4\text{Ru}_3\text{O}_{10}$. <i>Physical Review B</i> , 2007 , 75,	3-3	15
39	Magnetic, electrical transport, and thermoelectric properties of $\text{Sr}_4\text{Ru}_3\text{O}_{10}$: Evidence for a field-induced electronic phase transition at low temperatures. <i>Physical Review B</i> , 2007 , 76,	3-3	13
38	Competing magnetic fluctuations in $\text{Sr}_3\text{Ru}_2\text{O}_7$ probed by Ti doping. <i>Physical Review B</i> , 2007 , 75,	3-3	13
37	^{101}Ru Knight Shift Measurement of Superconducting Sr_2RuO_4 under Small Magnetic Fields Parallel to the RuO_2 Plane. <i>Journal of the Physical Society of Japan</i> , 2007 , 76, 024716	1-5	25
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