# Zhiqiang Mao

List of Publications by Year
in descending order

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Version: 2024-02-01

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|---|---|---|---|
| 213 papers | 9,991 citations | 50244 46 h-index | 38368 95 g-index |
| 218 all docs | 218 docs citations | 218 times ranked | 8673 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Time-reversal symmetry-breaking superconductivity in Sr2RuO4. Nature, 1998, 394, 558-561. | 13.7 | 964 |
| 2 | Spin-triplet superconductivity in Sr2RuO4 identified by 17O Knight shift. Nature, 1998, 396, 658-660. | 13.7 | 935 |
| 3 | Superconductivity close to magnetic instability in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>Fe</mml:mtext><mml:msub><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mro Physical Review B, 2008, 78, . | 1.1 | 576 |
| 4 | Evidence of Topological Nodal-Line Fermions in ZrSiSe and ZrSiTe. Physical Review Letters, 2016, 117, 016602. | 2.9 | 378 |
| 5 | Charge-carrier localization induced by excess Fe in the superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1</mml:mn> Physical Review B, 2009, 80, . | 1.1 | 220 |
| 6 | Changes in the Superconducting State of Sr2RuO4under Magnetic Fields Probed by Specific Heat. Journal of the Physical Society of Japan, 2000, 69, 572-578. | 0.7 | 214 |
| 7 | Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. 2D Materials, 2015, 2, 011001. | 2.0 | 209 |
| 8 | NÃ©el-type skyrmion in WTe2/Fe3GeTe2 van der Waals heterostructure. Nature Communications, 2020, 11, 3860. | 5.8 | 208 |
| 9 | Spin scattering and noncollinear spin structure-induced intrinsic anomalous Hall effect in antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnB</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math>. Phys | 1.3 | 204 |
| 10 | Observation of a square flux-line lattice in the unconventional superconductor Sr2RuO4. Nature, 1998, 396, 242-245. | 13.7 | 173 |
| 11 | Gap Structure of the Spin-Triplet SuperconductorSr2RuO4Determined from the Field-Orientation Dependence of the Specific Heat. Physical Review Letters, 2004, 92, 047002. | 2.9 | 167 |
| 12 | Anisotropic Superconducting Gap in the Spin-Triplet SuperconductorSr2RuO4: Evidence from a Ru-NQR Study. Physical Review Letters, 2000, 84, 5387-5390. | 2.9 | 157 |
| 13 | Transport of Topological Semimetals. Annual Review of Materials Research, 2019, 49, 207-252. | 4.3 | 155 |
| 14 | Observation of universal strong orbital-dependent correlation effects in iron chalcogenides. Nature Communications, 2015, 6, 7777. | 5.8 | 148 |
| 15 | Drastic Pressure Effect on the Extremely Large Magnetoresistance in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn> Quantum Oscillation Study. Physical Review Letters, 2015, 115, 057202. | 2.9 | 143 |
| 16 | High Performance Field-Effect Transistor Based on Multilayer Tungsten Disulfide. ACS Nano, 2014, 8, 10396-10402. | 7.3 | 142 |
| 17 | Weak anisotropy of the superconducting upper critical field in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Fe</mml:mtext></mml:mrow><mml:mrow><mml:mn>1.11</mml:mn> crystals. Physical Review B, 2010, 81, . | 1.1 | 135 |
| 18 | A magnetic topological semimetal Sr1â^'yMn1â^'zSb2 (y, z < 0.1). Nature Materials, 2017, 16, 905-910. | 13.3 | 135 |

| # | Article | IF | Citations |
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| 19 | Ultrasound Attenuation in Sr2RuO4: An Angle-Resolved Study of the Superconducting Gap Function. Physical Review Letters, 2001, 86, 5986-5989. | 2.9 | 132 |
| 20 | Origin of the turn-on temperature behavior in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2015, 92, . | 1.1 | 132 |
| 21 | Raman Spectroscopy, Photocatalytic Degradation, and Stabilization of Atomically Thin Chromium Tri-iodide. Nano Letters, 2018, 18, 4214-4219. | 4.5 | 131 |
| 22 | Giant room temperature anomalous Hall effect and tunable topology in a ferromagnetic topological semimetal Co2MnAl. Nature Communications, 2020, 11, 3476. | 5.8 | 127 |
| 23 | Observation of Andreev Surface Bound States in the 3-K Phase Region ofSr2RuO4. Physical Review Letters, 2001, 87, 037003. | 2.9 | 121 |
| 24 | Ï€ Berry phase and Zeeman splitting of Weyl semimetal TaP. Scientific Reports, 2016, 6, 18674. | 1.6 | 117 |
| 25 | Determination of the Superconducting Gap Structure in All Bands of the Spin-Triplet Superconductor Sr2RuO4. Journal of the Physical Society of Japan, 2004, 73, 1313-1321. | 0.7 | 112 |
| 26 | Isolation and Characterization of Few-Layer Manganese Thiophosphite. ACS Nano, 2017, 11, 11330-11336. | 7.3 | 98 |
| 27 | Environmental Instability and Degradation of Singleâ€•and Fewâ€Layer WTe<sub>2</sub> Nanosheets in Ambient Conditions. Small, 2016, 12, 5802-5808. | 5.2 | 96 |
| 28 | In-Plane Anisotropy of Upper Critical Field inSr2RuO4. Physical Review Letters, 2000, 84, 991-994. | 2.9 | 89 |
| 29 | Electronic correlations in nodal-line semimetals. Nature Physics, 2020, 16, 636-641. | 6.5 | 86 |
| 30 | Universal Heat Transport inSr2RuO4. Physical Review Letters, 2002, 88, 227004. | 2.9 | 85 |
| 31 | Effect of Impurities on the Specific Heat of the Spin-Triplet Superconductor Sr2RuO4. Journal of Low Temperature Physics, 1999, 117, 1581-1585. | 0.6 | 80 |
| 32 | Incommensurate itinerant antiferromagnetic excitations and spin resonance in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>FeTe</mml:mtext></mml:mrow><mml:mrow><mml:mn>0.6</mml:mn> Physical Review B, 2010, 81, . | 1.1 | 79 |
| 33 | Nearly massless Dirac fermions hosted by Sb square net in BaMnSb2. Scientific Reports, 2016, 6, 30525. | 1.6 | 75 |
| 34 | Ultrasound evidence for a two-component superconducting order parameter in Sr2RuO4. Nature Physics, 2021, 17, 194-198. | 6.5 | 74 |
| 35 | Superconducting Double Transition and the Upper Critical Field Limit of Sr2RuO4in Parallel Magnetic Fields. Journal of the Physical Society of Japan, 2002, 71, 2839-2842. | 0.7 | 69 |
| 36 | Thermal conductivity of superconductingSr2RuO4in oriented magnetic fields. Physical Review B, 2001, 63, . | 1.1 | 68 |

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| 37 | Novel Character of Spin Fluctuations in Spin-Triplet Superconductor Sr 2RuO 4: 17O-NMR Study. Journal of the Physical Society of Japan, 1998, 67, 3945-3951. | 0.7 | 67 |
| 38 | London penetration depth and superfluid density of single-crystalline<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" | | |

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| 55 | Elastic tensor ofSr2RuO4. Physical Review B, 2002, 65, . | 1.1 | 38 |
| 56 | Direct Fabrication of Functional Ultrathin Single-Crystal Nanowires from Quasi-One-Dimensional van der Waals Crystals. Nano Letters, 2016, 16, 6188-6195. | 4.5 | 37 |
| 57 | Distinct Signatures of Electronâ€“Phonon Coupling Observed in the Lattice Thermal Conductivity of NbSe<sub>3</sub> Nanowires. Nano Letters, 2019, 19, 415-421. | 4.5 | 37 |
| 58 | Unusual interlayer quantum transport behavior caused by the zeroth Landau level in YbMnBi2. Nature Communications, 2017, 8, 646. | 5.8 | 35 |
| 59 | Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. Journal of Applied Physics, 2017, 122, . | 1.1 | 33 |
| 60 | Epitaxial strain effect on the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>J</mml:mi></mml:math><sub>eff</sub>= 1/2 moment orientation in Sr<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>2</mml:mn></mml:msub></mml:math>IrO<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow /><mml:mn>4</mml:mn>< | 1.1 | 32 |
| 61 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>IrO</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Surface Complexions Identified through Machine Learning and Surface Investigations. Physical Review Letters, 2020, 125, 206101. | 2.9 | 32 |
| 62 | Spin-valley locking and bulk quantum Hall effect in a noncentrosymmetric Dirac semimetal BaMnSb2. Nature Communications, 2021, 12, 4062. | 5.8 | 32 |
| 63 | Unconventional quantum oscillations in mesoscopic rings of spin-triplet superconductor 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 | 1.1 | 31 |
| 64 | Spin polarization enhanced by spin-triplet pairing 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:mrow></mml:math>RuO4 by NMR. Physical Review B, 2015, 92, . | 1.1 | 31 |
| 65 | Emergent electronic and magnetic state in Ca3Ru2O7induced by Ti doping. Physical Review B, 2011, 84, . | 1.1 | 30 |
| 66 | Evidence for a Magnetic-Field-Induced Ideal Type-II Weyl State in Antiferromagnetic Topological Insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Mn</mml:mi><mml:msub><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mrow><mml:mi>Bi</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn><mml: | 2.8 | 30 |
| 67 | Superconductorâ€“Insulator Transition in Quasi-One-Dimensional Single-Crystal Nb<sub>2</sub>PdS<sub>5</sub> Nanowires. Nano Letters, 2015, 15, 869-875. | 4.5 | 29 |
| 68 | Detailed study of the ac susceptibility ofSr2RuO4in oriented magnetic fields. Physical Review B, 2002, 66, . | 1.1 | 27 |
| 69 | 101Ru Knight Shift Measurement of Superconducting Sr2RuO4 under Small Magnetic Fields Parallel to the RuO2 Plane. Journal of the Physical Society of Japan, 2007, 76, 024716. | 0.7 | 27 |
| 70 | Colossal Magnetoresistance in a Mott Insulator via Magnetic Field-Driven Insulator-Metal Transition. Physical Review Letters, 2016, 116, 216401. | 2.9 | 27 |
| 71 | Chemical pressure effect on the optical conductivity of the nodal-line semimetals <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ZrSi</mml:mi><mml:mi>Y</mml:mi></mml:mrow><mml width="4pt" /><mml:mo>(</mml:mo><mml:mrow><mml:mi>Y</mml:mi><mml:mo>=</mml:mo><mml:mrow><mml:mi) Tj ETQq1 1 0.784314 rgB | 1.1 | 27 |
| 72 | Origins of electronic bands in the antiferromagnetic topological insulator <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>MnBi</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math>Te4. Physical Review B, 2021, 104, . | 1.1 | 27 |

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| 74 | Sign reversal of the oxygen isotope effect onTcinSr2RuO4. Physical Review B, 2001, 63, . | 1.1 | 25 |
| 75 | Absorption edges of black phosphorus: A comparative analysis. Physica Status Solidi (B): Basic Research, 2016, 253, 2509-2514. | 0.7 | 24 |
| 76 | Reorientation of the diagonal double-stripe spin structure at Fe1+yTe bulk and thin-film surfaces. Nature Communications, 2017, 8, 13939. | 5.8 | 24 |
| 77 | Exceptionally large anomalous Hall effect due to anticrossing of spin-split bands in the antiferromagnetic half-Heusler compound TbPtBi. Physical Review B, 2020, 101, . | 1.1 | 24 |
| 78 | Experimental Evidence for Spin-Triplet Superconductivity in Sr2RuO4. Journal of Superconductivity and Novel Magnetism, 1999, 12, 535-541. | 0.5 | 23 |
| 79 | Phase diagram of the electronic states of trilayered ruthenateSr4Ru3O10. Physical Review B, 2007, 75, . | 1.1 | 22 |
| 80 | Quantum oscillation evidence for a topological semimetal phase in ZrSnTe. Physical Review B, 2018, 97, . | 1.1 | 22 |
| 81 | Direct evidence of ferromagnetism in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">MnSb</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Te</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math>. Physical Review B, 2021, 103, . | 1.1 | 22 |
| 82 | Interlayer magnetophononic coupling in MnBi2Te4. Nature Communications, 2022, 13, 1929. | 5.8 | 22 |
| 83 | Signature of quantum Griffiths singularity state in a layered quasi-one-dimensional superconductor. Nature Communications, 2018, 9, 4656. | 5.8 | 21 |
| 84 | Directional massless Dirac fermions in a layered van der Waals material with one-dimensional long-range order. Nature Materials, 2020, 19, 27-33. | 13.3 | 21 |
| 85 | Ferromagnetism in van der Waals compound <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>MnS</mml:mi><mml:msub><mml:mi mathvariant="normal">b</mml:mi><mml:mrow><mml:mn>1.8</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>0.2</mml:mn></mml:mrow></mml:msub><mml:mi mathvariant="normal">T</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>4</mml:mn> | 0.9 | 21 |
| 86 | Unconventional Strain Dependence of Superconductivity in Spin-Triplet Superconductor Sr2RuO4. Journal of the Physical Society of Japan, 2002, 71, 1134-1139. | 0.7 | 20 |
| 87 | From quasi-two-dimensional metal with ferromagnetic bilayers to Mott insulator with G-type antiferromagnetic order in Ca<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow | | |

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| 91 | Commensurate-incommensurate magnetic phase transition in the Fe-doped bilayer ruthenate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ca</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review B, 2014, 89, . | 1.1 | 19 |
| 92 | Atomic and electronic structure of domains walls in a polar metal. Physical Review B, 2019, 99, . | 1.1 | 19 |
| 93 | Experimental evidence of crystal symmetry protection for the topological nodal line semimetal state in ZrSiS. Physical Review B, 2019, 100, . | 1.1 | 19 |
| 94 | Orbital-dependent metamagnetic response inSr4Ru3O10. Physical Review B, 2007, 75, . | 1.1 | 18 |
| 95 | High Chemical Activity of a Perovskite Surface: Reaction of CO with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>7</mml:mn></mml:msub></mml:mrow></mml:math>. Physical Review Letters, 2014, 113, 116101. | 2.9 | 18 |
| 96 | Magnetoresistance and Shubnikovâ€“de Haas oscillations in layered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nb</mml:mi><mml:mn>3</mml:mn></mml:msub></mml: thin flakes. Physical Review B, 2018, 97, . | 1.1 | 18 |
| 97 | Anisotropy of magnetoresistivities 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>4</mml:mn></mml:msub> Evidence for an orbital-selective metamagnetic transition. Physical Review B, 2010, 81, . | 1.1 | 17 |
| 98 | Precision global measurements of London penetration depth in FeTe0.58Se0.42. Physical Review B, 2011, 84, . | 1.1 | 17 |
| 99 | A full monolayer of superoxide: oxygen activation on the unmodified Ca<sub>3</sub>Ru<sub>2</sub>O<sub>7</sub>(001) surface. Journal of Materials Chemistry A, 2018, 6, 5703-5713. | 5.2 | 17 |
| 100 | Electric field induced metallic behavior in thin crystals of ferroelectric  Î± -In2Se3. Applied Physics Letters, 2020, 117, . | 1.5 | 17 |
| 101 | Indications for Lifshitz transitions in the nodal-line semimetal ZrSiTe induced by interlayer interaction. Physical Review B, 2020, 101, . | 1.1 | 17 |
| 102 | Lithium ion intercalation in thin crystals of hexagonal TaSe2 gated by a polymer electrolyte. Applied Physics Letters, 2018, 112, 023502. | 1.5 | 16 |
| 103 | Searching for topological Fermi arcs via quasiparticle interference on a type-II Weyl semimetal MoTe2. Npj Quantum Materials, 2018, 3, . | 1.8 | 16 |
| 104 | High yield production of ultrathin fibroid semiconducting nanowire of Ta2Pd3Se8. Nano Research, 2020, 13, 1627-1635. | 5.8 | 16 |
| 105 | Itinerant ferromagnetism and geometrically suppressed metal-insulator transition in epitaxial thin films of Ca<sub>2</sub>RuO<sub>4</sub>. Applied Physics Letters, 2012, 100, 052401. | 1.5 | 15 |
| 106 | Unusually strong lateral interaction in the CO overlayer in phosphorene-based systems. Nano Research, 2016, 9, 2598-2605. | 5.8 | 15 |
| 107 | Evidence for unconventional superconductivity in half-Heusler YPdBi and TbPdBi compounds revealed by London penetration depth measurements. Physical Review B, 2018, 98, . | 1.1 | 15 |
| 108 | Quantum Transport of the 2D Surface State in a Nonsymmorphic Semimetal. Nano Letters, 2021, 21, 4887-4893. | 4.5 | 15 |

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| 109 | Ultrafast optical melting of trimer superstructure in layered 1Tâ€²-TaTe2. Communications Physics, 2021, 4, . | 2.0 | 15 |
| 110 | Tunneling and Phase-Sensitive Studies of the Pairing Symmetry in Sr2RuO4. Journal of Low Temperature Physics, 2003, 131, 1059-1068. | 0.6 | 14 |
| 111 | Magnetic, electrical transport, and thermoelectric properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">Sr</mml:mi><mml:mn>4</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">Ru</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>10</mml:mn></mml:msub></mml:mrow></mml:math>: | 1.1 | 14 |
| 112 | Absence of a Large Superconductivity-Induced Gap in Magnetic Fluctuations of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Sr</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow> Physical Review Letters, 2017, 118, 147002. | 2.9 | 14 |
| 113 | Magnetic, electrical transport, and thermoelectric properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi mathvariant="bold">Ca</mml:mi><mml:mn mathvariant="bold">3</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">Ru</mml:mi><mml:mn mathvariant="bold">2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="bold">O</mml:mi><mml:mn | 1.1 | 14 |
| 114 | Using coherent phonons for ultrafast control of the Dirac node of SrMnSb2. Physical Review B, 2018, 98, . | 1.1 | 14 |
| 115 | Infrared spectroscopy study of the nodal-line semimetal candidate ZrSiTe under pressure: Hints for pressure-induced phase transitions. Physical Review B, 2019, 99, . | 1.1 | 14 |
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| 118 | Competing magnetic fluctuations inSr3Ru2O7probed by Ti doping. Physical Review B, 2007, 75, . | 1.1 | 13 |
| 119 | Ferromagnetism in CuFeSb: Evidence of competing magnetic interactions in iron-based superconductors. Physical Review B, 2012, 85, . | 1.1 | 13 |
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| 121 | Visualizing Dirac nodal-line band structure of topological semimetal ZrGeSe by ARPES. APL Materials, 2019, 7, . | 2.2 | 13 |
| 122 | Field-induced magnetic phase transitions and the resultant giant anomalous Hall effect in the antiferromagnetic half-Heusler compound DyPtBi. Physical Review B, 2020, 102, . | 1.1 | 13 |
| 123 | Cold sintering of magnetic BaFe12O19 and other ferrites at 300ÂÂ°C. Journal of Materials Science, 2021, 56, 11229-11236. | 1.7 | 13 |
| 124 | Surface charge induced Dirac band splitting in a charge density wave material <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:msub><mml:mi mathvariant="normal">I</mml:mi></mml:msub></mml:mrow> | 1.1 | 13 |
| 125 | Ion intercalation engineering of electronic properties of two-dimensional crystals of 2Hâ^'TaSe2. Physical Review Materials, 2019, 3, . | 0.9 | 13 |
| 126 | Complex electronic states in double-layered ruthenates(Sr1â^'xCax)3Ru2O7. Physical Review B, 2009, 80, . | 1.1 | 12 |

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|---|---|---|---|
| 127 | Point defects at cleaved<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Sr</mml:mi><mml:mrow><mml:mi>n</mml:mi><mml:mi mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>3</mml:mn><mml:mi>n</mml:mi><mml:mo>+</mml:mo><mml:mn>1</mml:mn></mml:mrow></mml:mrow></mml:msub></mml:mrow></mml:math> surfaces. Physical Review B, 2014, 90, . | 1.1 | 12 |
| 128 | Ordered hydroxyls on Ca3Ru2O7(001). Nature Communications, 2017, 8, 23. | 5.8 | 12 |
| 129 | Mid-wave to near-IR optoelectronic properties and epsilon-near-zero behavior in indium-doped cadmium oxide. Physical Review Materials, 2021, 5, . | 0.9 | 12 |
| 130 | Inherited weak topological insulator signatures in the topological hourglass semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Nb</mml:mi><mml:mn>3</mml:mn></mml:<mml:math | | |

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