# Daixiang Mou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3025601/publications.pdf

Version: 2024-02-01

| | | 218677 | 276875 |
|---|---|---|---|
| 41 | 4,820 | 26 | 41 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 41 | 41 | 41 | 5647 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Evidence for a large Rashba splitting in PtPb4 from angle-resolved photoemission spectroscopy. Physical Review B, 2021, 103, . | 3.2 | 3 |
| 2 | In-plane magnetic penetration depth of superconducting <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>CaKFe</mml:mi><mml:mn>4</mml:mn></ Physical Review B, 2018, 97, . | 3.2 | 15 |
| 3 | Electronic structure of the topological superconductor candidate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Au</mml:mi><mml:mn>2</mml:mn></ Physical Review B, 2018, 98, . | 3.2 | 13 |
| 4 | Direct observation of self-energy signatures of the resonant collective mode in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></ mathvariant="normal">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo>+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></ Physical Review B, 2017, 95, . | 3.2 | 15 |
| 5 | Three-dimensionality of the bulk electronic structure in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mn>2</ Physical Review B, 2017, 95, . | 3.2 | 26 |
| 6 | Electronic structure of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>R</mml:mi><mml:mi>Sb</mml:mi></mml:mrow></ ( <mml:math) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml: | 3.2 | 41 |
| 7 | angle-resolved photoemission spectroscopy. Physical Review B, 2017, 96, . Spectroscopic evidence for a type II Weyl semimetallic state in MoTe2. Nature Materials, 2016, 15, 1155-1160. | 27.5 | 437 |
| 8 | Enhancement of the Superconducting Gap by Nesting in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CaKFe</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn><mml:mo> A New High Temperature Superconductor. Physical Review Letters, 2016, 117, 277001. | 7.8 | 71 |
| 9 | Dirac node arcs in PtSn4. Nature Physics, 2016, 12, 667-671. | 16.7 | 223 |
| 10 | Fermi arc electronic structure and Chern numbers in the type-II Weyl semimetal candidate<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Mo</mml:mi><mml:mi>x</mml:mi></mml:m mathvariant="normal">W</mml:mi><mml:mrow><mml:mn>1</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></mml:mrow></ Physical Review B, 2016, 94, . | 3.2 | 115 |
| 11 | Asymmetric mass acquisition in LaBi: Topological semimetal candidate. Physical Review B, 2016, 94, . | 3.2 | 52 |
| 12 | Observation of Fermi arcs in the type-II Weyl semimetal candidate<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 Physical Review B, 2016, 94, . | 3.2 | 250 |
| 13 | Isotope effect on electron-phonon interaction in the multiband superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">MgB</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review | 3.2 | 7 |
| 14 | Discovery of an Unconventional Charge Density Wave at the Surface of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>0.9</mml:mn></mml:mrow></mml:msub><mml:msub><mml: mathvariant="normal">O</mml:mi></mml:mrow><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:msub></mml:mrow></mm Physical Review Letters, 2016, 116, 196401. | 7.8 | 25 |
| 15 | Laser angle-resolved photoemission as a probe of initial state kz dispersion, final-state band gaps, and spin texture of Dirac states in the Bi2Te3 topological insulator. Physical Review B, 2016, 94, . | 3.2 | 3 |
| 16 | Anisotropic physical properties and pressure dependent magnetic ordering ofCrAuTe4. Physical Review B, 2016, 94, . | 3.2 | 3 |
| 17 | Strong interaction between electrons and collective excitations in the multiband superconductor<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="normal">MgB</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>. Physical Review B, 2015, 91, . | 3.2 | 16 |
| 18 | Temperature-Induced Lifshitz Transition 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></ Physical Review Letters, 2015, 115, 166602. | 7.8 | 176 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Momentum dependence of the superconducting gap and in-gap states inMgB2multiband superconductor. Physical Review B, 2015, 91, . | 3.2 | 20 |
| 20 | Anomalous High-Energy Waterfall-Like Electronic Structure in 5 d Transition Metal Oxide Sr2IrO4 with a Strong Spin-Orbit Coupling. Scientific Reports, 2015, 5, 13036. | 3.3 | 17 |
| 21 | Electronic structure and superconductivity of FeSe-related superconductors. Journal of Physics Condensed Matter, 2015, 27, 183201. | 1.8 | 71 |
| 22 | Discovery of a Weyl fermion state with Fermi arcs in niobium arsenide. Nature Physics, 2015, 11, 748-754. | 16.7 | 817 |
| 23 | Electronic evidence of an insulatorâ€“superconductor crossover in single-layer FeSe/SrTiO3films. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18501-18506. | 7.1 | 67 |
| 24 | Tunable vacuum ultraviolet laser based spectrometer for angle resolved photoemission spectroscopy. Review of Scientific Instruments, 2014, 85, 033902. | 1.3 | 61 |
| 25 | Weak Electron-Phonon Coupling and Unusual Electron Scattering of Topological Surface States in Sb(111) by Laser-Based Angle-Resolved Photoemission Spectroscopy. Chinese Physics Letters, 2014, 31, 067305. | 3.3 | 6 |
| 26 | Orbital-selective spin texture and its manipulation in a topological insulator. Nature Communications, 2014, 5, 3382. | 12.8 | 78 |
| 27 | Dichotomy of the electronic structure and superconductivity between single-layer and double-layer FeSe/SrTiO3 films. Nature Communications, 2014, 5, 5047. | 12.8 | 57 |
| 28 | Charge-density wave and one-dimensional electronic spectra in blue bronze: Incoherent solitons and spin-charge separation. Physical Review B, 2014, 89, . | 3.2 | 13 |
| 29 | Coexistence of Two Sharp Mode Couplings and their Unusual Momentum Dependence in the Superconducting State of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Bi</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi>Sr</mml:mi><mml:mn mathvariant="bold">O</mml:mi><mml:mrow><mml:mn>8</mml:mn><mml:mo mathvariant="bold">+</mml:mo><mml:mi>Î´</mml:mi></mml:mrow></mml:msub><. Physical Review Letters, 2013, 111, 107005. | 7.8 | 28 |
| 30 | Disappearance of nodal gap across the insulatorâ€“superconductor transition in a copper-oxide superconductor. Nature Communications, 2013, 4, 2459. | 12.8 | 60 |
| 31 | Phase diagram and electronic indication of high-temperature superconductivity at 65â€‰K in single-layer FeSe films. Nature Materials, 2013, 12, 605-610. | 27.5 | 706 |
| 32 | Tunable Dirac Fermion Dynamics in Topological Insulators. Scientific Reports, 2013, 3, 2411. | 3.3 | 94 |
| 33 | Fermi surface sheet-dependent band splitting in 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> revealed by high-resolution angle-resolved photoemission. Physical Review B, 2012, 86, . | 3.2 | 8 |
| 34 | Extraction of normal electron self-energy and pairing self-energy in the superconducting state of the Bi<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>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>CaCu<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>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mrow /><mml:mn>8+δ</mml:mn></mml:msub></mml:math> Robustness of topological order and formation of quantum well states in topological insulators exposed to ambient environment. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3694-3698. | 3.2 | 14 |
| 35 | | 7.1 | 158 |
| 36 | Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. Nature Communications, 2012, 3, 931. | 12.8 | 495 |

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|---|---|---|---|
| 37 | Distinct Fermi-surface topology and nodeless superconducting gap of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi mathvariant="normal">K</mml:mi><mml:mrow><mml:mn>0</mml:mn><mml:mo>.</mml:mo><mml:mn>68</mml:mn></mml:mrow> <mml:mrow /><mml:mrow><mml:mn>1</mml:mn><mml:mo>.</mml:mo><mml:mn>79</mml:mn></mml:mrow></mml:msub></mml:mrow. | 3.2 | 73 |
| 38 | Structural, magnetic and electronic properties of the iron-chalcogenide AxFe2â^'ySe2 (A=K, Cs, Rb, and) Tj ETQq0 0 0 rgBT /Overlock 10 | 5.0 | 34 |
| 39 | Distinct Fermi Surface Topology and Nodeless Superconducting Gap in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mo stretchy="false">(</mml:mo><mml:msub><mml:mi>Tl</mml:mi><mml:mn>0.58</mml:mn></mml:msub><mml:msub><mml:mi>Rb</mml:mi> Physical Review Letters, 2011, 106, 107001. | 7.8 | 207 |
| 40 | Unusual Electronic Structure and Observation of Dispersion Kink in CeFeAsO Parent Compound of FeAs-based Superconductors. Physical Review Letters, 2010, 105, 027001. | 7.8 | 26 |
| 41 | Coexistence of Fermi arcs and Fermi pockets in a high-Tc copper oxide superconductor. Nature, 2009, 462, 335-338. | 27.8 | 199 |