# Minhao Zhang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4130593/publications.pdf

Version: 2024-02-01

| | | 567281 | 526287 |
|---|---|---|---|
| 29 | 911 | 15 | 27 |
| papers | citations | h-index | g-index |

| | | | |
|---|---|---|---|
| 29 | 29 | 29 | 1771 |
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Intrinsic magnetic topological insulator phases in the Sb doped MnBi2Te4 bulks and thin flakes. Nature Communications, 2019, 10, 4469. | 12.8 | 212 |
| 2 | Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. Advanced Electronic Materials, 2016, 2, 1600228. | 5.1 | 115 |
| 3 | Nontopological origin of the planar Hall effect in the type-II Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>NiTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math> Physical Review B, 2019, 99, . | 3.2 | 73 |
| 4 | A Gd@C82 single-molecule electret. Nature Nanotechnology, 2020, 15, 1019-1024. | 31.5 | 70 |
| 5 | Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBi<sub>2</sub>Te<sub>4</sub> Device. Nano Letters, 2020, 20, 709-714. | 9.1 | 60 |
| 6 | Band Structure Perfection and Superconductivity in Typeâ€II Dirac Semimetal Ir<sub>1â^'</sub><sub>x</sub>Pt<sub>x</sub>Te<sub>2</sub>. Advanced Materials, 2018, 30, e1801556. | 21.0 | 47 |
| 7 | Inclined Ultrathin Bi<sub>2</sub>O<sub>2</sub>Se Films: A Building Block for Functional van der Waals Heterostructures. ACS Nano, 2020, 14, 16803-16812. | 14.6 | 45 |
| 8 | Tuning the transport behavior of centimeter-scale WTe2 ultrathin films fabricated by pulsed laser deposition. Applied Physics Letters, 2017, 111, . | 3.3 | 34 |
| 9 | Transport evidence of 3D topological nodal-line semimetal phase in ZrSiS. Frontiers of Physics, 2018, 13, 1. | 5.0 | 30 |
| 10 | Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO<sub>3</sub> Epitaxial Thin Film System. Advanced Electronic Materials, 2018, 4, 1800055. | 5.1 | 27 |
| 11 | Ultrahigh Hall mobility and suppressed backward scattering in layered semiconductor Bi2O2Se. Applied Physics Letters, 2018, 113, . | 3.3 | 27 |
| 12 | Controllable synthesis and magnetotransport properties of Cd<sub>3</sub>As<sub>2</sub>Dirac semimetal nanostructures. RSC Advances, 2017, 7, 17689-17696. | 3.6 | 21 |
| 13 | The Material Efforts for Quantized Hall Devices Based on Topological Insulators. Advanced Materials, 2020, 32, e1904593. | 21.0 | 19 |
| 14 | Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped Bi<sub>2</sub>Se<sub>3</sub> topological insulator nanowires. Nanoscale, 2017, 9, 12372-12378. | 5.6 | 18 |
| 15 | The mechanism exploration for zero-field ferromagnetism in intrinsic topological insulator MnBi2Te4 by Bi2Te3 intercalations. Applied Physics Letters, 2020, 116, 221902. | 3.3 | 17 |
| 16 | Magneto-transport and Shubnikov-de Haas oscillations in the layered ternary telluride topological semimetal candidate Ta3SiTe6. Applied Physics Letters, 2020, 116, . | 3.3 | 15 |
| 17 | Experimental evidence for dissipationless transport of the chiral edge state of the high-field Chern insulator in <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> nanodevices. Physical Review B, 2022, 105, . | 3.2 | 15 |
| 18 | Topological Phase Transition-Induced Triaxial Vector Magnetoresistance in (Bi<sub>1â€“x</sub>In<sub>x</sub>)<sub>2</sub>Se<sub>3</sub> Nanodevices. ACS Nano, 2018, 12, 1537-1543. | 14.6 | 13 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Sn</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mrow><mml:mn>1.1</mml:mn></mml:mrow></mml:msub><mml:mi | 3.2 | 13 |
| 20 | Layered Topological Insulators and Semimetals forÂMagnetoresistance Type Sensors. Advanced Quantum Technologies, 2019, 2, 1800039. | 3.9 | 10 |
| 21 | The Unique Current-Direction Dependent On-Off Switching in BiSbTeSe<sub>2</sub> Topological Insulator Based Spin Valve Transistors. IEEE Electron Device Letters, 2016, , 1-1. | 3.9 | 7 |
| 22 | Unconventional anomalous Hall effect in magnetic topological insulator MnBi4Te7 device. Applied Physics Letters, 2021, 118, . | 3.3 | 7 |
| 23 | Room-temperature ferromagnetism observed in Nd-doped In <sub>2</sub> O <sub>3</sub> dilute magnetic semiconducting nanowires. Chinese Physics B, 2016, 25, 097502. | 1.4 | 4 |
| 24 | Quantum oscillations and nontrivial transport in (Bi 0.92 In 0.08 ) 2 Se 3. Chinese Physics B, 2017, 26, 127305. | 1.4 | 4 |
| 25 | Electrical spin polarization through spinâ€“momentum locking in topological-insulator nanostructures. Chinese Physics B, 2018, 27, 097307. | 1.4 | 4 |
| 26 | Quantum Electronics: Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS (Adv. Electron. Mater. 10/2016). Advanced Electronic Materials, 2016, 2, . | 5.1 | 3 |
| 27 | Emergent Ferromagnetism: Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO<sub>3</sub> Epitaxial Thin Film System (Adv. Electron. Mater. 6/2018). Advanced Electronic Materials, 2018, 4, 1870030. | 5.1 | 1 |
| 28 | Effect of Superparamagnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles on Schottky Barriers of Graphene. IEEE Transactions on Magnetics, 2015, 51, 1-4. | 2.1 | 0 |
| 29 | Layered topological semimetals for spintronics. , 2020, , 273-298. | | 0 |