

Minhao Zhang

List of Publications by Year in descending order

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1771
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#	ARTICLE	IF	CITATIONS
1	Experimental evidence for dissipationless transport of the chiral edge state of the high-field Chern insulator in MnBi_2Te_4 nanodevices. <i>Physical Review B</i> , 2022, 105, .	3.2	15
2	Unconventional anomalous Hall effect in magnetic topological insulator MnBi_4Te_7 device. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	7
3	The Material Efforts for Quantized Hall Devices Based on Topological Insulators. <i>Advanced Materials</i> , 2020, 32, e1904593.	21.0	19
4	Experimental Observation of the Gate-Controlled Reversal of the Anomalous Hall Effect in the Intrinsic Magnetic Topological Insulator MnBi_2Te_4 Device. <i>Nano Letters</i> , 2020, 20, 709-714.	9.1	60
5	A Gd@C82 single-molecule electret. <i>Nature Nanotechnology</i> , 2020, 15, 1019-1024.	31.5	70
6	Inclined Ultrathin $\text{Bi}_2\text{O}_2\text{Se}$ Films: A Building Block for Functional van der Waals Heterostructures. <i>ACS Nano</i> , 2020, 14, 16803-16812.	14.6	45
7	The mechanism exploration for zero-field ferromagnetism in intrinsic topological insulator MnBi_2Te_4 by Bi_2Te_3 intercalations. <i>Applied Physics Letters</i> , 2020, 116, 221902.	3.3	17
8	Layered topological semimetals for spintronics. , 2020, , 273-298.		0
9	Magneto-transport and Shubnikov-de Haas oscillations in the layered ternary telluride topological semimetal candidate Ta_3SiTe_6 . <i>Applied Physics Letters</i> , 2020, 116, .	3.3	15
10	Layered Topological Insulators and Semimetals for Δ Magneto-resistance Type Sensors. <i>Advanced Quantum Technologies</i> , 2019, 2, 1800039.	3.9	10
11	Intrinsic magnetic topological insulator phases in the Sb doped MnBi_2Te_4 bulks and thin flakes. <i>Nature Communications</i> , 2019, 10, 4469.	12.8	212
12	Nontopological origin of the planar Hall effect in the type-II Dirac semimetal NiTe_2 . <i>Physical Review B</i> , 2019, 99, .		
13	Scaling in the quantum Hall transport of topological-insulator $\text{Sn}_2\text{B}_2\text{I}_4$. <i>Physical Review B</i> , 2019, 99, .	3.2	13
14	Topological Phase Transition-Induced Triaxial Vector Magnetoresistance in $(\text{Bi}_x\text{In}_{1-x})_2\text{Se}_3$ Nanodevices. <i>ACS Nano</i> , 2018, 12, 1537-1543.	14.6	13
15	Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO_3 Epitaxial Thin Film System. <i>Advanced Electronic Materials</i> , 2018, 4, 1800055.	5.1	27
16	Transport evidence of 3D topological nodal-line semimetal phase in ZrSiS . <i>Frontiers of Physics</i> , 2018, 13, 1.	5.0	30
17	Electrical spin polarization through spin-momentum locking in topological-insulator nanostructures. <i>Chinese Physics B</i> , 2018, 27, 097307.	1.4	4
18	Band Structure Perfection and Superconductivity in Type-II Dirac Semimetal $\text{Pt}_x\text{Te}_{2-x}$. <i>Advanced Materials</i> , 2018, 30, e1801556.	21.0	47

#	ARTICLE	IF	CITATIONS
19	Ultrahigh Hall mobility and suppressed backward scattering in layered semiconductor Bi ₂ O ₂ Se. Applied Physics Letters, 2018, 113, .	3.3	27
20	Emergent Ferromagnetism: Direct Demonstration of the Emergent Magnetism Resulting from the Multivalence Mn in a LaMnO ₃ Epitaxial Thin Film System (Adv. Electron. Mater. 6/2018). Advanced Electronic Materials, 2018, 4, 1870030.	5.1	1
21	Intrinsic ferromagnetism and quantum transport transition in individual Fe-doped Bi ₂ Se ₃ topological insulator nanowires. Nanoscale, 2017, 9, 12372-12378.	5.6	18
22	Controllable synthesis and magnetotransport properties of Cd ₃ As ₂ Dirac semimetal nanostructures. RSC Advances, 2017, 7, 17689-17696.	3.6	21
23	Tuning the transport behavior of centimeter-scale WTe ₂ ultrathin films fabricated by pulsed laser deposition. Applied Physics Letters, 2017, 111, .	3.3	34
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	The Unique Current-Direction Dependent On-Off Switching in BiSbTeSe ₂ Topological Insulator Based Spin Valve Transistors. IEEE Electron Device Letters, 2016, , 1-1.	3.9	7
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	Room-temperature ferromagnetism observed in Nd-doped In ₂ O ₃ dilute magnetic semiconducting nanowires. Chinese Physics B, 2016, 25, 097502.	1.4	4
28	Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. Advanced Electronic Materials, 2016, 2, 1600228.	5.1	115
29	Effect of Superparamagnetic Fe ₃ O ₄ Nanoparticles on Schottky Barriers of Graphene. IEEE Transactions on Magnetics, 2015, 51, 1-4.	2.1	0