

Junran Zhang

List of Publications by Year in descending order

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1163117

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761
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS. <i>Advanced Electronic Materials</i> , 2016, 2, 1600228.	5.1	115
2	Sensitive and Ultrabroadband Phototransistor Based on Two-Dimensional Bi ₂ O ₂ Se Nanosheets. <i>Advanced Functional Materials</i> , 2019, 29, 1905806.	14.9	106
3	Transport evidence of 3D topological nodal-line semimetal phase in ZrSiS. <i>Frontiers of Physics</i> , 2018, 13, 1.	5.0	30
4	Lattice dynamics of Dirac node-line semimetal ZrSiS. <i>Physical Review B</i> , 2017, 96, .	3.2	28
5	Ultrahigh Hall mobility and suppressed backward scattering in layered semiconductor Bi ₂ O ₂ Se. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	27
6	Ultrathin two-dimensional hybrid perovskites toward flexible electronics and optoelectronics. <i>National Science Review</i> , 2022, 9, nwab129.	9.5	17
7	Stimulating and Manipulating Robust Circularly Polarized Photoluminescence in Achiral Hybrid Perovskites. <i>Nano Letters</i> , 2022, 22, 3961-3968.	9.1	13
8	Enhanced photodetector performance of black phosphorus by interfacing with chiral perovskite. <i>Nano Research</i> , 2022, 15, 7492-7497.	10.4	12
9	Ultra-sensitive anomalous Hall effect sensors based on Cr-doped Bi ₂ Te ₃ topological insulator thin films. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 505001.	2.8	8
10	Manipulation of Gilbert damping in ultrathin half-metallic Co ₂ FeAl _{1+x} by composition-deficiency-compensation. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
11	Enhancement of the spin-orbit torque efficiency in W/Cu/CoFeB heterostructures via interface engineering. <i>Applied Physics Letters</i> , 2020, 117, 082409.	3.3	6
12	Bi ₂ O ₂ Se/Au-Based Schottky Phototransistor With Fast Response and Ultrahigh Responsivity. <i>IEEE Electron Device Letters</i> , 2020, 41, 1464-1467.	3.9	5
13	Quantum Electronics: Evidence of Both Surface and Bulk Dirac Bands and Anisotropic Nonsaturating Magnetoresistance in ZrSiS (<i>Adv. Electron. Mater.</i> 10/2016). <i>Advanced Electronic Materials</i> , 2016, 2, .	5.1	3
14	Tunable excitonic properties in two-dimensional heterostructures based on solution-processed PbI ₂ flakes. <i>Journal of Materials Science</i> , 2020, 55, 10656-10667.	3.7	3
15	Thermal induced spin-polarized current protected by spin-momentum locking in ZrTe ₅ nanowires. <i>Physical Review B</i> , 2021, 104, .		
16	Effect of Superparamagnetic Fe ₃ O ₄ Nanoparticles on Schottky Barriers of Graphene. <i>IEEE Transactions on Magnetics</i> , 2015, 51, 1-4.	2.1	0
17	Interface Magnetic and Electrical Properties of CoFeB/InAs Heterostructures. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	0