

Wen-Hao Zhang

List of Publications by Year in descending order

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25
papers

2,515
citations

516561

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580701

25
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25
docs citations

25
times ranked

2414
citing authors

#	ARTICLE	IF	CITATIONS
1	Interface-Induced High-Temperature Superconductivity in Single Unit-Cell FeSe Films on SrTiO ₃ . Chinese Physics Letters, 2012, 29, 037402.	1.3	972
2	Electronic origin of high-temperature superconductivity in single-layer FeSe superconductor. Nature Communications, 2012, 3, 931.	5.8	495
3	Direct Observation of High-Temperature Superconductivity in One-Unit-Cell FeSe Films. Chinese Physics Letters, 2014, 31, 017401.	1.3	222
4	Interface charge doping effects on superconductivity of single-unit-cell FeSe films on SrTiO ₃ . Physical Review B, 2014, 89, .	1.1	26
5	High temperature superconducting FeSe films on SrTiO ₃ substrates. Scientific Reports, 2014, 4, 6040.	1.6	109
6	Atomic and electronic structures of single-layer FeSe on SrTiO ₃ (001): The role of oxygen deficiency. Physical Review B, 2013, 87, .	1.1	86
7	Electronic evidence of an insulator–superconductor crossover in single-layer FeSe/SrTiO ₃ films. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 18501-18506.	3.3	67
8	Spin mapping of intralayer antiferromagnetism and field-induced spin reorientation in monolayer CrTe ₂ . Nature Communications, 2022, 13, 257.	5.8	62
9	Dichotomy of the electronic structure and superconductivity between single-layer and double-layer FeSe/SrTiO ₃ films. Nature Communications, 2014, 5, 5047.	5.8	57
10	Interface-enhanced high-temperature superconductivity in single-unit-cell FeTe _{1-x} S _x films on SrTiO ₃ substrates. Physical Review B, 2018, 98, .	1.1	48
11	Visualizing topological edge states of single and double bilayer Bi supported on multibilayer Bi(111) films. Physical Review B, 2018, 98, .	1.1	40
12	Dimensional Crossover and Topological Phase Transition in Dirac Semimetal Na ₃ Bi Films. ACS Nano, 2019, 13, 9647-9654.	7.3	27
13	Atomic Visualization and Switching of Ferroelectric Order in In_2Se_3 Films at the Single Layer Limit. Advanced Materials, 2022, 34, e2106951.	11.1	27
14	Hexagonal Boron Nitride–Graphene Core–Shell Arrays Formed by Self-Symmetrical Etching Growth. Journal of the American Chemical Society, 2017, 139, 13997-14000.	6.6	25
15	Charge Transfer Gap Tuning via Structural Distortion in Monolayer 1T-NbSe ₂ . Nano Letters, 2021, 21, 7005-7011.	4.5	24
16	Unusual Electronic States and Superconducting Proximity Effect of Bi Films Modulated by a NbSe ₂ Substrate. ACS Nano, 2019, 13, 1885-1892.	7.3	23
17	Realization of AlSb in the Double-Layer Honeycomb Structure: A Robust Class of Two-Dimensional Material. ACS Nano, 2021, 15, 8184-8191.	7.3	20
18	Strain-Induced Bandgap Enhancement of InSe Ultrathin Films with Self-Formed Two-Dimensional Electron Gas. ACS Nano, 2021, 15, 10700-10709.	7.3	19

#	ARTICLE	IF	CITATIONS
19	Mott phase in a van der Waals transition-metal halide at single-layer limit. <i>Physical Review Research</i> , 2020, 2, .	1.3	15
20	Observation of short-range Yu-Shiba-Rusinov states with threefold symmetry in layered superconductor 2H-NbSe ₂ . <i>Nanoscale</i> , 2020, 12, 8174-8179.	2.8	11
21	Controllable synthesis and electronic structure characterization of multiple phases of iron telluride thin films. <i>Physical Review Materials</i> , 2020, 4, .	0.9	11
22	Planar Heterojunction of Ultrathin CrTe ₃ and CrTe ₂ van der Waals Magnet. <i>ACS Nano</i> , 2022, 16, 4348-4356.	7.3	10
23	Possible Phason-Polaron Effect on Purely One-Dimensional Charge Order of Mo_6 Nanowires. <i>Physical Review X</i> , 2020, 10, .	2.8	9
24	Heterostructures of tellurium on NbSe ₂ from sub-monolayer to few-layer films. <i>Nanoscale</i> , 2020, 12, 1994-2001.	2.8	7
25	Valley dependent superconducting proximity effect in a twisted van der Waals heterojunction. <i>Physical Review Research</i> , 2020, 2, .	1.3	1