

Tong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,220
citations

361413

20
h-index

454955

30
g-index

30
all docs

30
docs citations

30
times ranked

4077
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-orbit coupling proximity effect in MoS ₂ /Fe ₃ GeTe ₂ heterostructures. Applied Physics Letters, 2022, 120, .	3.3	11
2	Fusion of Majorana bound states with mini-gate control in two-dimensional systems. Nature Communications, 2022, 13, 1738.	12.8	22
3	Synthesis, Magnetic Properties, and Electronic Structure of Magnetic Topological Insulator MnBi ₂ Se ₄ . Nano Letters, 2021, 21, 5083-5090.	9.1	28
4	Water-Dispersible CsPbBr ₃ Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO ₂ Reduction. Nano-Micro Letters, 2021, 13, 172.	27.0	20
5	Quantum Spin-Valley Hall Kink States: From Concept to Materials Design. Physical Review Letters, 2021, 127, 116402.	7.8	25
6	Large Tunneling Magnetoresistance in van der Waals Ferromagnet/Semiconductor Heterojunctions. Advanced Materials, 2021, 33, e2104658.	21.0	61
7	Optically Probing Tunable Band Topology in Atomic Monolayers. Physical Review Letters, 2020, 125, 157402.	7.8	21
8	Localized Excitons in NbSe ₂ -MoSe ₂ Heterostructures. ACS Nano, 2020, 14, 8528-8538.	14.6	26
9	Phase Control of Majorana Bound States in a Topological X Junction. Physical Review Letters, 2020, 124, 137001.	7.8	29
10	Electrical Control of Majorana Bound States Using Magnetic Stripes. Physical Review Applied, 2019, 12, .	3.8	32
11	Engineering a topological quantum dot device through planar magnetization in bismuthene. Physical Review B, 2019, 99, .	3.2	6
12	Nanoelectronics with proximitized materials. Solid-State Electronics, 2019, 155, 93-98.	1.4	1
13	Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. Physical Review B, 2019, 99, .	3.2	41
14	Novel Chern insulators with half-metallic edge states. NPG Asia Materials, 2018, 10, e467-e467.	7.9	20
15	Strong magnetization and Chern insulators in compressed graphene van der Waals heterostructures. Physical Review B, 2018, 97, .	3.2	26
16	Large valley polarization in monolayer MoTe ₂ on a magnetic substrate. Physical Chemistry Chemical Physics, 2018, 20, 3805-3812.	2.8	46
17	Tailoring magnetism in semiconductors. Science China: Physics, Mechanics and Astronomy, 2018, 61, 1.	5.1	12
18	Coupling effect of topological states and Chern insulators in two-dimensional triangular lattices. Physical Review B, 2018, 97, .	3.2	25

#	ARTICLE	IF	CITATIONS
19	Giant spin-valley polarization and multiple Hall effect in functionalized bismuth monolayers. Npj Quantum Materials, 2018, 3, .	5.2	44
20	Li ₂ TiSiO ₅ : a low potential and large capacity Ti-based anode material for Li-ion batteries. Energy and Environmental Science, 2017, 10, 1456-1464.	30.8	93
21	Quantum spinâ€“quantum anomalous Hall effect with tunable edge states in Sb monolayer-based heterostructures. Physical Review B, 2016, 94, .	3.2	42
22	Quantum anomalous Hall effect in stanene on a nonmagnetic substrate. Physical Review B, 2016, 94, .	3.2	31
23	Quantum anomalous Hall effect in real materials. Chinese Physics B, 2016, 25, 117308.	1.4	15
24	Enhanced thermoelectric properties of the Dirac semimetal Cd ₃ As ₂ . Inorganic Chemistry Frontiers, 2016, 3, 1637-1643.	6.0	34
25	Bioâ€“inspired Leafâ€“Mimicking Nanosheet/Nanotube Heterostructure as a Highly Efficient Oxygen Evolution Catalyst. Advanced Science, 2015, 2, 1500003.	11.2	90
26	Quantum Spin-Quantum Anomalous Hall Insulators and Topological Transitions in Functionalized Sb(111) Monolayers. Nano Letters, 2015, 15, 5149-5155.	9.1	52
27	Nanoparticle Superlattices as Efficient Bifunctional Electrocatalysts for Water Splitting. Journal of the American Chemical Society, 2015, 137, 14305-14312.	13.7	377
28	Thermal transport in folded zigzag and armchair graphene nanoribbons. Applied Physics Letters, 2014, 104, .	3.3	20
29	Reversible Chemical Tuning of Charge Carriers for Enhanced Photoelectrochemical Conversion and Probing of Living Cells. Small, 2014, 10, 4967-4974.	10.0	18
30	Reduced Mesoporous Co ₃ O ₄ Nanowires as Efficient Water Oxidation Electrocatalysts and Supercapacitor Electrodes. Advanced Energy Materials, 2014, 4, 1400696.	19.5	852