

Tong Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

2,220
citations

361413

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h-index

454955

30
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docs citations

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times ranked

4077
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Mesoporous Co ₃ O ₄ Nanowires as Efficient Water Oxidation Electrocatalysts and Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , 2014, 4, 1400696.	19.5	852
2	Nanoparticle Superlattices as Efficient Bifunctional Electrocatalysts for Water Splitting. <i>Journal of the American Chemical Society</i> , 2015, 137, 14305-14312.	13.7	377
3	Strong magnetization and Chern insulators in compressed $\frac{1}{2}$ van der Waals heterostructures. <i>Physical Review B</i> , 2018, 97, .	11.2	90
4	Li ₂ TiSiO ₅ : a low potential and large capacity Ti-based anode material for Li-ion batteries. <i>Energy and Environmental Science</i> , 2017, 10, 1456-1464.	30.8	93
5	Bio-inspired Leaf-mimicking Nanosheet/Nanotube Heterostructure as a Highly Efficient Oxygen Evolution Catalyst. <i>Advanced Science</i> , 2015, 2, 1500003.	11.2	90
6	Large Tunneling Magnetoresistance in van der Waals Ferromagnet/Semiconductor Heterojunctions. <i>Advanced Materials</i> , 2021, 33, e2104658.	21.0	61
7	Quantum Spin-Quantum Anomalous Hall Insulators and Topological Transitions in Functionalized Sb(111) Monolayers. <i>Nano Letters</i> , 2015, 15, 5149-5155.	9.1	52
8	Large valley polarization in monolayer MoTe ₂ on a magnetic substrate. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3805-3812.	2.8	46
9	Giant spin-valley polarization and multiple Hall effect in functionalized bismuth monolayers. <i>Npj Quantum Materials</i> , 2018, 3, .	5.2	44
10	Quantum spin-quantum anomalous Hall effect with tunable edge states in Sb monolayer-based heterostructures. <i>Physical Review B</i> , 2016, 94, .	3.2	42
11	Tunable magnetic textures in spin valves: From spintronics to Majorana bound states. <i>Physical Review B</i> , 2019, 99, .	3.2	41
12	Enhanced thermoelectric properties of the Dirac semimetal Cd ₃ As ₂ . <i>Inorganic Chemistry Frontiers</i> , 2016, 3, 1637-1643.	6.0	34
13	Electrical Control of Majorana Bound States Using Magnetic Stripes. <i>Physical Review Applied</i> , 2019, 12, .	3.8	32
14	Quantum anomalous Hall effect in stanene on a nonmagnetic substrate. <i>Physical Review B</i> , 2016, 94, .	3.2	31
15	Phase Control of Majorana Bound States in a Topological $\frac{1}{2}$ Junction. <i>Physical Review Letters</i> , 2020, 124, 137001.	7.8	29
16	Synthesis, Magnetic Properties, and Electronic Structure of Magnetic Topological Insulator MnBi ₂ Se ₄ . <i>Nano Letters</i> , 2021, 21, 5083-5090.	9.1	28
17	Localized Excitons in NbSe ₂ -MoSe ₂ Heterostructures. <i>ACS Nano</i> , 2020, 14, 8528-8538.	14.6	26
18	Coupling effect of topological states and Chern insulators in two-dimensional triangular lattices. <i>Physical Review B</i> , 2018, 97, .	3.2	25

#	ARTICLE	IF	CITATIONS
19	Quantum Spin-Valley Hall Kink States: From Concept to Materials Design. <i>Physical Review Letters</i> , 2021, 127, 116402.	7.8	25
20	Fusion of Majorana bound states with mini-gate control in two-dimensional systems. <i>Nature Communications</i> , 2022, 13, 1738.	12.8	22
21	Optically Probing Tunable Band Topology in Atomic Monolayers. <i>Physical Review Letters</i> , 2020, 125, 157402.	7.8	21
22	Thermal transport in folded zigzag and armchair graphene nanoribbons. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	20
23	Novel Chern insulators with half-metallic edge states. <i>NPG Asia Materials</i> , 2018, 10, e467-e467.	7.9	20
24	Water-Dispersible CsPbBr ₃ Perovskite Nanocrystals with Ultra-Stability and its Application in Electrochemical CO ₂ Reduction. <i>Nano-Micro Letters</i> , 2021, 13, 172.	27.0	20
25	Reversible Chemical Tuning of Charge Carriers for Enhanced Photoelectrochemical Conversion and Probing of Living Cells. <i>Small</i> , 2014, 10, 4967-4974.	10.0	18
26	Quantum anomalous Hall effect in real materials. <i>Chinese Physics B</i> , 2016, 25, 117308.	1.4	15
27	Tailoring magnetism in semiconductors. <i>Science China: Physics, Mechanics and Astronomy</i> , 2018, 61, 1.	5.1	12
28	Spin-orbit coupling proximity effect in MoS ₂ /Fe ₃ GeTe ₂ heterostructures. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	11
29	Engineering a topological quantum dot device through planar magnetization in bismuthene. <i>Physical Review B</i> , 2019, 99, .	3.2	6
30	Nanoelectronics with proximitized materials. <i>Solid-State Electronics</i> , 2019, 155, 93-98.	1.4	1