

# Qingyun Zhang

## List of Publications by Year in descending order

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34  
papers

1,302  
citations

471061

17  
h-index

395343

33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2276  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong interlayer excitons in PtSe <sub>2</sub> /ZrS <sub>2</sub> van der Waals heterobilayer. Applied Physics Letters, 2021, 118, 093101.	1.5	3
2	First-principles nonequilibrium dynamical cluster theory for quantum transport simulations of disordered nanoelectronic devices. Physical Review B, 2021, 104, .	1.1	5
3	Exact muffin-tin orbital based fully relativistic simulation of device materials: Electronic charge and spin current. Physical Review B, 2020, 102, .	1.1	10
4	Exact muffin tin orbital based first-principles method for electronic-structure and electron-transport simulation of device materials. Physical Review B, 2019, 100, .	1.1	12
5	Tunable giant Rashba-type spin splitting in PtSe <sub>2</sub> /MoSe <sub>2</sub> heterostructure. Applied Physics Letters, 2019, 115, 203501.	1.5	15
6	Anomalous transparency induced by cooperative disorders in phonon transport. Physical Review B, 2019, 99, .	1.1	12
7	Auxiliary coherent medium theory for lattice vibrations in random binary alloys with mass and force-constant disorders. Physical Review B, 2019, 99, .	1.1	10
8	Rashba effect and enriched spin-valley coupling in $\text{GaX}_M\text{X}$		

#	ARTICLE	IF	CITATIONS
19	Strain tuning of the charge density wave in monolayer and bilayer 1T-TaS <sub>2</sub> . Physical Chemistry Chemical Physics, 2016, 18, 3080-3085.	1.3	22
20	Two-Dimensional MnO <sub>2</sub> /Graphene Interface: Half-Metallicity and Quantum Anomalous Hall State. Journal of Physical Chemistry C, 2016, 120, 2119-2125.	1.5	29
21	Emergence of topological and topological crystalline phases in TlBiS <sub>2</sub> and TlSbS <sub>2</sub> . Scientific Reports, 2015, 5, 8379.	1.6	15
22	A global view of the phase transitions of SnO <sub>2</sub> in rechargeable batteries based on results of high throughput calculations. Journal of Materials Chemistry A, 2015, 3, 19483-19489.	5.2	21
23	Photovoltaic Heterojunctions of Fullerenes with MoS <sub>2</sub> and WS <sub>2</sub> Monolayers. Journal of Physical Chemistry Letters, 2014, 5, 1445-1449.	2.1	139
24	Origin of the Phase Transition in Lithiated Molybdenum Disulfide. ACS Nano, 2014, 8, 11447-11453.	7.3	111
25	Spin polarization driven by a charge-density wave in monolayer TaS <sub>2</sub> . Physical Review B, 2014, 90, .	1.1	31
26	Valley polarization in magnetically doped single-layer transition-metal dichalcogenides. Physical Review B, 2014, 89, .	1.1	181
27	Order-disorder phase transitions in the two-dimensional semiconducting transition metal dichalcogenide alloys Mo <sub>1-x</sub> W <sub>x</sub> (X = S, Se and Te). Scientific Reports, 2014, 4, 6691.	1.6	54
28	Giant valley drifts in uniaxially strained monolayer MoS <sub>2</sub> . Physical Review B, 2013, 88, .	1.1	47
29	Two-dimensional ferromagnet/semiconductor transition metal dichalcogenide contacts: p-type Schottky barrier and spin-injection control. Physical Review B, 2013, 88, .	1.1	58
30	Series of topological phase transitions in TiTe <sub>2</sub> under strain. Physical Review B, 2013, 88, .	1.1	29
31	Novel technique for characterizing feature profiles in photolithography process. Chinese Optics Letters, 2012, 10, 061202-61205.	1.3	2
32	Tunable supercurrent in a triangular triple quantum dot system. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 2584-2588.	0.9	4
33	Generation and Quantum Interference of Entangled Electron-Hole Pairs in a Hanbury Brown and Twiss Interferometer. Chinese Physics Letters, 2010, 27, 097401.	1.3	2
34	Signals for Specular Andreev Reflection. Physical Review Letters, 2008, 101, 047005.	2.9	89