

Qingyun Zhang

List of Publications by Year in descending order

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34
papers

1,302
citations

471061

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docs citations

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times ranked

2276
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Spin Valley Polarization in Monolayer MoTe_2 on Top of $\text{EuO}(111)$. <i>Advanced Materials</i> , 2016, 28, 959-966.	11.1	239
2	Valley polarization in magnetically doped single-layer transition-metal dichalcogenides. <i>Physical Review B</i> , 2014, 89, .	1.1	181
3	Photovoltaic Heterojunctions of Fullerenes with MoS_2 and WS_2 Monolayers. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1445-1449.	2.1	139
4	Origin of the Phase Transition in Lithiated Molybdenum Disulfide. <i>ACS Nano</i> , 2014, 8, 11447-11453.	7.3	111
5	Signals for Specular Andreev Reflection. <i>Physical Review Letters</i> , 2008, 101, 047005.	2.9	89
6	Two-dimensional ferromagnet/semiconductor transition metal dichalcogenide contacts: p -type Schottky barrier and spin-injection control. <i>Physical Review B</i> , 2013, 88, .	1.1	58
7	Order-disorder phase transitions in the two-dimensional semiconducting transition metal dichalcogenide alloys $\text{Mo}_1-x\text{W}_x\text{X}_2$ ($X = \text{S}, \text{Se}$ and Te). <i>Scientific Reports</i> , 2014, 4, 6691.	1.6	54
8	Giant valley drifts in uniaxially strained monolayer MoS_2 . <i>Physical Review B</i> , 2013, 88, .	1.1	47
9	$M\text{GaX}_2$		

#	ARTICLE	IF	CITATIONS
19	Floquet edge states in germanene nanoribbons. <i>Scientific Reports</i> , 2016, 6, 31821.	1.6	16
20	Emergence of topological and topological crystalline phases in TlBiS ₂ and TlSbS ₂ . <i>Scientific Reports</i> , 2015, 5, 8379.	1.6	15
21	Tunable giant Rashba-type spin splitting in PtSe ₂ /MoSe ₂ heterostructure. <i>Applied Physics Letters</i> , 2019, 115, 203501.	1.5	15
22	First-principles prediction of Tl/SiC for valleytronics. <i>Journal of Materials Chemistry C</i> , 2017, 5, 10427-10433.	2.7	12
23	Exact muffin tin orbital based first-principles method for electronic-structure and electron-transport simulation of device materials. <i>Physical Review B</i> , 2019, 100, .	1.1	12
24	Anomalous transparency induced by cooperative disorders in phonon transport. <i>Physical Review B</i> , 2019, 99, .	1.1	12
25	Auxiliary coherent medium theory for lattice vibrations in random binary alloys with mass and force-constant disorders. <i>Physical Review B</i> , 2019, 99, .	1.1	10
26	Exact muffin-tin orbital based fully relativistic simulation of device materials: Electronic charge and spin current. <i>Physical Review B</i> , 2020, 102, .	1.1	10
27	First-principles nonequilibrium dynamical cluster theory for quantum transport simulations of disordered nanoelectronic devices. <i>Physical Review B</i> , 2021, 104, .	1.1	5
28	Tunable supercurrent in a triangular triple quantum dot system. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010, 374, 2584-2588.	0.9	4
29	Transmission comb of a distributed Bragg reflector with two surface dielectric gratings. <i>Scientific Reports</i> , 2016, 6, 21125.	1.6	4
30	Strong interlayer excitons in PtSe ₂ /ZrS ₂ van der Waals heterobilayer. <i>Applied Physics Letters</i> , 2021, 118, 093101.	1.5	3
31	Generation and Quantum Interference of Entangled Electron-Hole Pairs in a Hanbury Brown and Twiss Interferometer. <i>Chinese Physics Letters</i> , 2010, 27, 097401.	1.3	2
32	Novel technique for characterizing feature profiles in photolithography process. <i>Chinese Optics Letters</i> , 2012, 10, 061202-61205.	1.3	2
33	Curvature effects in two-dimensional optical devices inspired by transformation optics. <i>Applied Physics Letters</i> , 2016, 109, 201105.	1.5	1
34	Spin-Charge Separation in Finite Length Metallic Carbon Nanotubes. <i>Nano Letters</i> , 2017, 17, 6747-6751.	4.5	1