

Dong Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,220
citations

623734

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552781

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26
all docs

26
docs citations

26
times ranked

2314
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Hall effect in the monolayer Janus compound MoSSe enhanced by Rashba spin-orbit coupling. Physical Review B, 2021, 104, .	3.2	34
2	Checked patterned elemental distribution in AlGaAs nanowire branches via vapor-liquid-solid growth. Nanoscale, 2020, 12, 15711-15720.	5.6	1
3	Bright Exciton Fine-Structure in Two-Dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 5141-5148.	9.1	57
4	B5N5 monolayer: a room-temperature light element antiferromagnetic insulator. Nanoscale Advances, 2020, 2, 4421-4426.	4.6	3
5	Exciton Vortices in Two-Dimensional Hybrid Perovskite Monolayers. Chinese Physics Letters, 2020, 37, 117102.	3.3	3
6	Few-shot machine learning in the three-dimensional Ising model. Physical Review B, 2019, 99, .	3.2	14
7	Spin-charge conversion in InSe bilayers. Physical Review B, 2019, 99, .	3.2	14
8	Bandgap engineering of PbTe ultra-thin layers by surface passivations. Journal of Physics Condensed Matter, 2019, 31, 295503.	1.8	2
9	Current-induced spin polarization in monolayer InSe. Physical Review B, 2019, 100, .	3.2	14
10	Theoretical progress of polarized interfaces in semiconductors. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 167101.	0.5	1
11	Effective g factor in black phosphorus thin films. Physical Review B, 2017, 95, .	3.2	29
12	Electronic structure of rectangular HgTe quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 93, 58-62.	2.7	6
13	Fast, multicolor photodetection with graphene-contacted p -GaSe/ n -InSe van der Waals heterostructures. Nanotechnology, 2017, 28, 27LT01.	2.6	180
14	Molybdenum Carbide: A Stable Topological Semimetal with Line Nodes and Triply Degenerate Points. Chinese Physics Letters, 2017, 34, 027102.	3.3	14
15	Band structure and theory of monolayer X Se		

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19	Light-Induced Exciton Spin Hall Effect in van der Waals Heterostructures. Physical Review Letters, 2015, 115, 166804.	7.8	48
20	Interface engineering of electronic properties of graphene/boron nitride lateral heterostructures. 2D Materials, 2015, 2, 041001.	4.4	40
21	Single- and Few-Electron States in Deformed Topological Insulator Quantum Dots. Chinese Physics Letters, 2015, 32, 047303.	3.3	3
22	Excitons in monolayer transition metal dichalcogenides. Journal of Physics Condensed Matter, 2015, 27, 315301.	1.8	16
23	Electronic and magneto-optical properties of monolayer phosphorene quantum dots. 2D Materials, 2015, 2, 045012.	4.4	64
24	Electronic Structures of Carbon-Based KagomÃ© Lattices. Chinese Physics Letters, 2014, 31, 028102.	3.3	4
25	Single- and few-electron states in topological-insulator quantum dots. Physical Review B, 2014, 90, .	3.2	21
26	Interface-Induced Topological Insulator Transition in $\text{GaAs}/\text{Ge}/\text{GaAs}$ Wells. Physical Review Letters, 2013, 111, 156402.	7.8	123