

# Dong Zhang

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4420053/publications.pdf>

Version: 2024-02-01

26  
papers

1,220  
citations

623734

14  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2314  
citing authors

#	ARTICLE	IF	CITATIONS
1	Interlayer Transition and Infrared Photodetection in Atomically Thin Type-II MoTe <sub>2</sub> /MoS <sub>2</sub> van der Waals Heterostructures. ACS Nano, 2016, 10, 3852-3858.	14.6	453
2	Fast, multicolor photodetection with graphene-contacted p-GaSe/n-InSe van der Waals heterostructures. Nanotechnology, 2017, 28, 27LT01.	2.6	180
3	Interface-Induced Topological Insulator Transition in GaAs/Ge/GaAs Wells. Physical Review Letters, 2013, 111, 156402.	7.8	123
4	Electronic and magneto-optical properties of monolayer phosphorene quantum dots. 2D Materials, 2015, 2, 045012.	4.4	64
5	Bright Exciton Fine-Structure in Two-Dimensional Lead Halide Perovskites. Nano Letters, 2020, 20, 5141-5148.	9.1	57
6	Light-Induced Exciton Spin Hall Effect in van der Waals Heterostructures. Physical Review Letters, 2015, 115, 166804.	7.8	48
7	Interface engineering of electronic properties of graphene/boron nitride lateral heterostructures. 2D Materials, 2015, 2, 041001.	4.4	40
8	Coexistence of topological nodal lines, Weyl points, and triply degenerate points in TaS. Physical Review B, 2017, 96, .	3.2	39
9	Spin Hall effect in the monolayer Janus compound MoSSe enhanced by Rashba spin-orbit coupling. Physical Review B, 2021, 104, .	3.2	34
10	Effective g-factor in black phosphorus thin films. Physical Review B, 2017, 95, .	3.2	29
11	kp theory of monolayer XSe		

#	ARTICLE	IF	CITATIONS
19	Electronic structure of rectangular HgTe quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017, 93, 58-62.	2.7	6
20	Electronic Structures of Carbon-Based KagomÃ© Lattices. <i>Chinese Physics Letters</i> , 2014, 31, 028102.	3.3	4
21	Single- and Few-Electron States in Deformed Topological Insulator Quantum Dots. <i>Chinese Physics Letters</i> , 2015, 32, 047303.	3.3	3
22	B5N5 monolayer: a room-temperature light element antiferromagnetic insulator. <i>Nanoscale Advances</i> , 2020, 2, 4421-4426.	4.6	3
23	Exciton Vortices in Two-Dimensional Hybrid Perovskite Monolayers. <i>Chinese Physics Letters</i> , 2020, 37, 117102.	3.3	3
24	Bandgap engineering of PbTe ultra-thin layers by surface passivations. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 295503.	1.8	2
25	Checked patterned elemental distribution in AlGaAs nanowire branches via vaporâ€“liquidâ€“solid growth. <i>Nanoscale</i> , 2020, 12, 15711-15720.	5.6	1
26	Theoretical progress of polarized interfaces in semiconductors. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 167101.	0.5	1