

# Chenhao Jin

## List of Publications by Year in descending order

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32  
papers

7,684  
citations

185998

28  
h-index

377514

34  
g-index

34  
all docs

34  
docs citations

34  
times ranked

10085  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrafast charge transfer in atomically thin MoS <sub>2</sub> /WS <sub>2</sub> heterostructures. Nature Nanotechnology, 2014, 9, 682-686.	15.6	1,838
2	Observation of moiré excitons in WSe <sub>2</sub> /WS <sub>2</sub> heterostructure superlattices. Nature, 2019, 567, 76-80.	13.7	791
3	Direct observation of the layer-dependent electronic structure in phosphorene. Nature Nanotechnology, 2017, 12, 21-25.	15.6	625
4	Mott and generalized Wigner crystal states in WSe <sub>2</sub> /WS <sub>2</sub> moiré superlattices. Nature, 2020, 579, 359-363.	13.7	536
5	Evolution of interlayer coupling in twisted molybdenum disulfide bilayers. Nature Communications, 2014, 5, 4966.	5.8	533
6	Topological valley transport at bilayer graphene domain walls. Nature, 2015, 520, 650-655.	13.7	502
7	Ultrafast dynamics in van der Waals heterostructures. Nature Nanotechnology, 2018, 13, 994-1003.	15.6	392
8	Ultrafast generation of pseudo-magnetic field for valley excitons in WSe <sub>2</sub> monolayers. Science, 2014, 346, 1205-1208.	6.0	261
9	Observation of ultralong valley lifetime in WSe <sub>2</sub> /MoS <sub>2</sub> heterostructures. Science Advances, 2017, 3, e1700518.	4.7	226
10	Revealing the biexciton and trion-exciton complexes in BN encapsulated WSe <sub>2</sub> . Nature Communications, 2018, 9, 3719.	5.8	175
11	Interlayer electron-phonon coupling in WSe <sub>2</sub> /hBN heterostructures. Nature Physics, 2017, 13, 127-131.	6.5	173
12	Imaging of pure spin-valley diffusion current in WS <sub>2</sub> -WSe <sub>2</sub> heterostructures. Science, 2018, 360, 893-896.	6.0	155
13	Electronic Structure, Surface Doping, and Optical Response in Epitaxial WSe <sub>2</sub> Thin Films. Nano Letters, 2016, 16, 2485-2491.	4.5	147
14	Stripe phases in WSe <sub>2</sub> /WS <sub>2</sub> moiré superlattices. Nature Materials, 2021, 20, 940-944.	13.3	137
15	Reconfiguring crystal and electronic structures of MoS <sub>2</sub> by substitutional doping. Nature Communications, 2018, 9, 199.	5.8	128
16	Soliton-dependent plasmon reflection at bilayer graphene domain walls. Nature Materials, 2016, 15, 840-844.	13.3	124
17	Amplitude- and Phase-Resolved Nanospectral Imaging of Phonon Polaritons in Hexagonal Boron Nitride. ACS Photonics, 2015, 2, 790-796.	3.2	115
18	Emerging photoluminescence from the dark-exciton phonon replica in monolayer WSe <sub>2</sub> . Nature Communications, 2019, 10, 2469.	5.8	102

#	ARTICLE	IF	CITATIONS
19	High-throughput optical imaging and spectroscopy of individual carbon nanotubes in devices. Nature Nanotechnology, 2013, 8, 917-922.	15.6	92
20	Identification of spin, valley and moiré quasi-angular momentum of interlayer excitons. Nature Physics, 2019, 15, 1140-1144.	6.5	91
21	Systematic determination of absolute absorption cross-section of individual carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7564-7569.	3.3	69
22	Manipulation of domain-wall solitons in bi- and trilayer graphene. Nature Nanotechnology, 2018, 13, 204-208.	15.6	67
23	Gate-dependent pseudospin mixing in graphene/boron nitride moiré superlattices. Nature Physics, 2014, 10, 743-747.	6.5	64
24	Van der Waals-coupled electronic states in incommensurate double-walled carbon nanotubes. Nature Physics, 2014, 10, 737-742.	6.5	63
25	Momentum-Dark Intervalley Exciton in Monolayer Tungsten Diselenide Brightened via Chiral Phonon. ACS Nano, 2019, 13, 14107-14113.	7.3	63
26	On Optical Dipole Moment and Radiative Recombination Lifetime of Excitons in WSe <sub>2</sub> . Advanced Functional Materials, 2017, 27, 1601741.	7.8	44
27	Apparent breakdown of Raman selection rule at valley exciton resonances in monolayer MoS <sub>2</sub> . Physical Review B, 2017, 95, .	1.1	38
28	Electrical switching between exciton dissociation to exciton funneling in MoSe <sub>2</sub> /WS <sub>2</sub> heterostructure. Nature Communications, 2020, 11, 2640.	5.8	38
29	Imaging and control of critical fluctuations in two-dimensional magnets. Nature Materials, 2020, 19, 1290-1294.	13.3	28
30	Interfacial Engineering of Van der Waals Coupled 2D Layered Materials. Advanced Materials Interfaces, 2017, 4, 1601054.	1.9	26
31	Phonon-exciton Interactions in WSe <sub>2</sub> under a quantizing magnetic field. Nature Communications, 2020, 11, 3104.	5.8	15
32	Dynamic Tuning of Moiré Excitons in a WSe <sub>2</sub> /WS <sub>2</sub> Heterostructure via Mechanical Deformation. Nano Letters, 2021, 21, 8910-8916.	4.5	15