Zefang Wang

List of Publications by Citations

20 papers	3,365 citations	16 h-index	20 g-index
20 ext. papers	4,317 ext. citations	18.2 avg, IF	5.63 L-index

#	Paper	IF	Citations
20	Tightly bound excitons in monolayer WSe(2). *Physical Review Letters*, **2014**, 113, 026803	7.4	762
19	Ising pairing in superconducting NbSe2 atomic layers. *Nature Physics*, **2016**, 12, 139-143	16.2	534
18	Controlling magnetism in 2D CrI by electrostatic doping. *Nature Nanotechnology*, **2018**, 13, 549-553	28.7	525
17	Strongly enhanced charge-density-wave order in monolayer NbSe2. *Nature Nanotechnology*, **2015**, 10, 765-9	28.7	474
16	Pressure-controlled interlayer magnetism in atomically thin CrI. *Nature Materials*, **2019**, 18, 1303-1308	27	178
15	Evidence of high-temperature exciton condensation in two-dimensional atomic double layers. *Nature*, **2019**, 574, 76-80	50.4	162
14	Valley- and spin-polarized Landau levels in monolayer WSe. *Nature Nanotechnology*, **2017**, 12, 144-149	28.7	121
13	Black phosphorus nanoelectromechanical resonators vibrating at very high frequencies. *Nanoscale*, **2015**, 7, 877-84	7.7	105
12	Valley magnetoelectricity in single-layer MoS. *Nature Materials*, **2017**, 16, 887-891	27	101
11	Spin tunnel field-effect transistors based on two-dimensional van der Waals heterostructures. *Nature Electronics*, **2019**, 2, 159-163	28.4	99
10	Probing the Spin-Polarized Electronic Band Structure in Monolayer Transition Metal Dichalcogenides by Optical Spectroscopy. *Nano Letters*, **2017**, 17, 740-746	11.5	80
9	Electrical Tuning of Interlayer Exciton Gases in WSe Bilayers. *Nano Letters*, **2018**, 18, 137-143	11.5	67
8	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe. *Nature Materials*, **2018**, 17, 504-508	27	58
7	Probing many-body interactions in monolayer transition-metal dichalcogenides. *Physical Review B*, **2019**, 99,	3.3	34
6	Strongly Interaction-Enhanced Valley Magnetic Response in Monolayer WSe_{2}. *Physical Review Letters*, **2018**, 120, 066402	7.4	30
5	Strongly correlated excitonic insulator in atomic double layers. *Nature*, **2021**, 598, 585-589	50.4	18
4	Spin polarization separation of light reflected at Brewster angle. *Optics Letters*, **2012**, 37, 984-6	3	7

3	Electrical switching of valley polarization in monolayer semiconductors. *Physical Review Materials*, **2020**, 4,	3.2	7
2	Variation of polarization distribution of reflected beam caused by spin separation. *Optics Express*, **2012**, 20, 1975-80	3.3	3
1	Spectral and spatial isolation of single tungsten diselenide quantum emitters using hexagonal boron nitride wrinkles. *APL Photonics*, **2020**, 5, 096105	5.2	0