

Zefang Wang

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Strongly correlated excitonic insulator in atomic double layers. <i>Nature</i> , 2021 , 598, 585-589	50.4	18
19	Electrical switching of valley polarization in monolayer semiconductors. <i>Physical Review Materials</i> , 2020 , 4,	3.2	7
18	Spectral and spatial isolation of single tungsten diselenide quantum emitters using hexagonal boron nitride wrinkles. <i>APL Photonics</i> , 2020 , 5, 096105	5.2	0
17	Probing many-body interactions in monolayer transition-metal dichalcogenides. <i>Physical Review B</i> , 2019 , 99,	3.3	34
16	Spin tunnel field-effect transistors based on two-dimensional van der Waals heterostructures. <i>Nature Electronics</i> , 2019 , 2, 159-163	28.4	99
15	Pressure-controlled interlayer magnetism in atomically thin CrI. <i>Nature Materials</i> , 2019 , 18, 1303-1308	27	178
14	Evidence of high-temperature exciton condensation in two-dimensional atomic double layers. <i>Nature</i> , 2019 , 574, 76-80	50.4	162
13	Strongly Interaction-Enhanced Valley Magnetic Response in Monolayer WSe ₂ . <i>Physical Review Letters</i> , 2018 , 120, 066402	7.4	30
12	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe. <i>Nature Materials</i> , 2018 , 17, 504-508	27	58
11	Controlling magnetism in 2D CrI by electrostatic doping. <i>Nature Nanotechnology</i> , 2018 , 13, 549-553	28.7	525
10	Electrical Tuning of Interlayer Exciton Gases in WSe Bilayers. <i>Nano Letters</i> , 2018 , 18, 137-143	11.5	67
9	Probing the Spin-Polarized Electronic Band Structure in Monolayer Transition Metal Dichalcogenides by Optical Spectroscopy. <i>Nano Letters</i> , 2017 , 17, 740-746	11.5	80
8	Valley magnetoelectricity in single-layer MoS. <i>Nature Materials</i> , 2017 , 16, 887-891	27	101
7	Valley- and spin-polarized Landau levels in monolayer WSe. <i>Nature Nanotechnology</i> , 2017 , 12, 144-149	28.7	121
6	Ising pairing in superconducting NbSe ₂ atomic layers. <i>Nature Physics</i> , 2016 , 12, 139-143	16.2	534
5	Strongly enhanced charge-density-wave order in monolayer NbSe ₂ . <i>Nature Nanotechnology</i> , 2015 , 10, 765-9	28.7	474
4	Black phosphorus nanoelectromechanical resonators vibrating at very high frequencies. <i>Nanoscale</i> , 2015 , 7, 877-84	7.7	105

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| 3 | Tightly bound excitons in monolayer WSe ₂ . <i>Physical Review Letters</i> , 2014 , 113, 026803 | 7.4 | 762 |
| 2 | Variation of polarization distribution of reflected beam caused by spin separation. <i>Optics Express</i> , 2012 , 20, 1975-80 | 3.3 | 3 |
| 1 | Spin polarization separation of light reflected at Brewster angle. <i>Optics Letters</i> , 2012 , 37, 984-6 | 3 | 7 |