Zefang Wang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2790440/publications.pdf

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20 papers	5,125 citations	471371 17 h-index	752573 20 g-index
20 all docs	20 docs citations	20 times ranked	7427 citing authors

#	Article	IF	Citations
1	Tightly Bound Excitons in Monolayer<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math>: Physical Review Letters, 2014, 113, 026803.	2.9	964
2	Controlling magnetism in 2D CrI3 by electrostatic doping. Nature Nanotechnology, 2018, 13, 549-553.	15.6	836
3	Ising pairing in superconducting NbSe2 atomicÂlayers. Nature Physics, 2016, 12, 139-143.	6.5	806
4	Strongly enhanced charge-density-wave order in monolayer NbSe2. Nature Nanotechnology, 2015, 10, 765-769.	15.6	643
5	Pressure-controlled interlayer magnetism in atomically thin CrI3. Nature Materials, 2019, 18, 1303-1308.	13.3	364
6	Evidence of high-temperature exciton condensation in two-dimensional atomic double layers. Nature, 2019, 574, 76-80.	13.7	331
7	Spin tunnel field-effect transistors based on two-dimensional van der Waals heterostructures. Nature Electronics, 2019, 2, 159-163.	13.1	198
8	Valley magnetoelectricity in single-layer MoS2. Nature Materials, 2017, 16, 887-891.	13.3	150
9	Valley- and spin-polarized Landau levels in monolayer WSe2. Nature Nanotechnology, 2017, 12, 144-149.	15.6	150
10	Black phosphorus nanoelectromechanical resonators vibrating at very high frequencies. Nanoscale, 2015, 7, 877-884.	2.8	128
11	Probing the Spin-Polarized Electronic Band Structure in Monolayer Transition Metal Dichalcogenides by Optical Spectroscopy. Nano Letters, 2017, 17, 740-746.	4.5	108
12	Electrical Tuning of Interlayer Exciton Gases in WSe₂ Bilayers. Nano Letters, 2018, 18, 137-143.	4.5	106
13	Strongly correlated excitonic insulator in atomic double layers. Nature, 2021, 598, 585-589.	13.7	105
14	An unusual continuous paramagnetic-limited superconducting phase transition in 2D NbSe 2. Nature Materials, 2018, 17, 504-508.	13.3	98
15	Probing many-body interactions in monolayer transition-metal dichalcogenides. Physical Review B, 2019, 99, .	1.1	56
16	Strongly Interaction-Enhanced Valley Magnetic Response in Monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WSe</mml:mi></mml:mrow><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2018, 120, 066402.	2.9	45
17	Electrical switching of valley polarization in monolayer semiconductors. Physical Review Materials, 2020, 4, .	0.9	19
18	Spin polarization separation of light reflected at Brewster angle. Optics Letters, 2012, 37, 984.	1.7	8

#	Article	IF	Citations
19	Spectral and spatial isolation of single tungsten diselenide quantum emitters using hexagonal boron nitride wrinkles. APL Photonics, 2020, 5, 096105.	3.0	7
20	Variation of polarization distribution of reflected beam caused by spin separation. Optics Express, 2012, 20, 1975.	1.7	3