

# Jiangxiazhi Lin

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spin-orbit-driven ferromagnetism at half moiré filling in magic-angle twisted bilayer graphene. Science, 2022, 375, 437-441.	12.6	61
2	Bridging the gap between atomically thin semiconductors and metal leads. Nature Communications, 2022, 13, 1777.	12.8	17
3	Interaction effects and superconductivity signatures in twisted double-bilayer $WSe_2$ . Nanoscale Horizons, 2020, 5, 1309-1316.	8.0	68
4	Effects of Hexagonal Boron Nitride Encapsulation on the Electronic Structure of Few-Layer $MoS_2$ . Journal of Physical Chemistry C, 2019, 123, 14797-14802.	3.1	42
5	Intrinsic valley Hall transport in atomically thin $MoS_2$ . Nature Communications, 2019, 10, 611.	12.8	77
6	Determining Interaction Enhanced Valley Susceptibility in Spin-Valley-Locked $MoS_2$ . Nano Letters, 2019, 19, 1736-1742.	9.1	35
7	Fluctuation-induced tunneling conduction in iodine-doped bilayer graphene. Journal of Applied Physics, 2018, 123, 244302.	2.5	2
8	Odd-Integer Quantum Hall States and Giant Spin Susceptibility in $p$ -Type Few-Layer $WSe_2$ . Physical Review Letters, 2017, 118, 067702.	7.8	37
9	Ambipolar quantum transport in few-layer black phosphorus. Physical Review B, 2017, 96, .	3.2	26
10	Achieving Ultrahigh Carrier Mobility in Two-Dimensional Hole Gas of Black Phosphorus. Nano Letters, 2016, 16, 7768-7773.	9.1	242
11	Charge density wave phase transition on the surface of electrostatically doped multilayer graphene. Applied Physics Letters, 2016, 109, .	3.3	4
12	Probing the electronic states and impurity effects in black phosphorus vertical heterostructures. 2D Materials, 2016, 3, 015012.	4.4	16
13	Negative compressibility in graphene-terminated black phosphorus heterostructures. Physical Review B, 2016, 93, .	3.2	10
14	Even-odd layer-dependent magnetotransport of high-mobility Q-valley electrons in transition metal disulfides. Nature Communications, 2016, 7, 12955.	12.8	82
15	Universal low-temperature Ohmic contacts for quantum transport in transition metal dichalcogenides. 2D Materials, 2016, 3, 021007.	4.4	102
16	A fast transfer-free synthesis of high-quality monolayer graphene on insulating substrates by a simple rapid thermal treatment. Nanoscale, 2016, 8, 2594-2600.	5.6	20
17	Detection of interlayer interaction in few-layer graphene. Physical Review B, 2015, 92, .	3.2	22
18	van der Waals Epitaxial Growth of Atomically Thin $Bi_2Se_3$ and Thickness-Dependent Topological Phase Transition. Nano Letters, 2015, 15, 2645-2651.	9.1	54