

# Qingyun Wu

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Giant tunneling magnetoresistance in atomically thin VSi <sub>2</sub> N <sub>4</sub> /MoSi <sub>2</sub> N <sub>4</sub> /VSi <sub>2</sub> N <sub>4</sub> magnetic tunnel junction. Applied Physics Letters, 2022, 120, .	3.3	17
2	Tunable electronic properties and band alignments of MoSi <sub>2</sub> N <sub>4</sub> /GaN and MoSi <sub>2</sub> N <sub>4</sub> /ZnO van der Waals heterostructures. Applied Physics Letters, 2022, 120, .	3.3	33
3	Semiconductor-to-metal transition in bilayer MoSi <sub>2</sub> N <sub>4</sub> and WSi <sub>2</sub> N <sub>4</sub> with strain and electric field. Applied Physics Letters, 2021, 118, .	3.3	65
4	Superior and tunable gas sensing properties of Janus PtSSe monolayer. Nano Express, 2020, 1, 010042.	2.4	18
5	Electrical Contact between an Ultrathin Topological Dirac Semimetal and a Two-Dimensional Material. Physical Review Applied, 2020, 13, .	3.8	23
6	Highly Efficient Water Treatment via a Wood-Based and Reusable Filter. , 2020, 2, 430-437.		50
7	Tunable band alignment in boron carbon nitride and blue phosphorene van der Waals heterostructure. Nano Express, 2020, 1, 020021.	2.4	2
8	Design of metal contacts for monolayer Fe <sub>3</sub> GeTe <sub>2</sub> based devices. Applied Physics Letters, 2019, 115, .	3.3	19
9	Decoupling Ionic and Electronic Pathways in Low-Dimensional Hybrid Conductors. Journal of the American Chemical Society, 2019, 141, 17830-17837.	13.7	42
10	Janus PtSSe and graphene heterostructure with tunable Schottky barrier. Applied Physics Letters, 2019, 115, .	3.3	69
11	Robust two-dimensional bipolar magnetic semiconductors by defect engineering. Journal of Materials Chemistry C, 2018, 6, 8435-8443.	5.5	26
12	Prospects of spintronics based on $2D$ materials. Wiley Interdisciplinary Reviews: Computational Molecular Science, 2017, 7, e1313.	14.6	161
13	Ultra-low magnetic damping of perovskite La <sub>0.7</sub> Sr <sub>0.3</sub> MnO <sub>3</sub> thin films. Applied Physics Letters, 2017, 110, .	3.3	45
14	Tunable magnetization relaxation of $2D$ half-metallic Heusler alloys by band structure engineering. Physical Review Materials, 2017, 1, .	2.4	16
15	Achieving giant tunneling electroresistance and magnetoresistance by $2D$ barrier and Heusler alloy electrode. Physical Review Materials, 2017, 1, .	2.4	15
16	2D Materials and Devices for Spintronics: First-Principles Studies. , 2016, , .		0
17	Giant tunneling electroresistance induced by ferroelectrically switchable two-dimensional electron gas at nonpolar $2D$ barrier and Heusler alloy electrode. Physical Review B, 2016, 94, .	3.2	15
18	Electronic and transport properties of phosphorene nanoribbons. Physical Review B, 2015, 92, .	3.2	145

#	ARTICLE	IF	CITATIONS
19	Efficient Spin Injection into Graphene through a Tunnel Barrier: Overcoming the Spin-Conductance Mismatch. <i>Physical Review Applied</i> , 2014, 2, .	3.8	39
20	Boron diffusion induced symmetry reduction and scattering in CoFeB/MgO/CoFeB magnetic tunnel junctions. <i>Physical Review B</i> , 2013, 87, .	3.2	33