

# Feipeng Zheng

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Environmentally Responsive Intelligent Dynamic Water Collector. ACS Applied Materials & Interfaces, 2022, 14, 2202-2210.	8.0	4
2	Two-gap superconductivity in a Janus MoSH monolayer. Physical Review B, 2022, 105, .	3.2	24
3	On-Site Synthesis and Characterizations of Atomically-Thin Nickel Tellurides with Versatile Stoichiometric Phases through Self-Intercalation. ACS Nano, 2022, 16, 11444-11454.	14.6	10
4	Study on the enhancing water collection efficiency of cactus- and beetle-like biomimetic structure using UV-induced controllable diffusion method and 3D printing technology. RSC Advances, 2021, 11, 14769-14776.	3.6	11
5	Enhanced superconductivity in bilayer $\text{PtTe}_2$ by alkali-metal intercalations. Physical Review B, 2021, 103, .	3.2	10
6	Electronic structural descriptors for hydrogen evolution and superior catalytic activity of graphene based structures. Applied Surface Science, 2021, 569, 151009.	6.1	8
7	Emergent superconductivity in two-dimensional $\text{NiTe}_2$ crystals. Physical Review B, 2020, 101, .	3.2	10
8	A High-Power Aqueous Zinc-Organic Radical Battery with Tunable Operating Voltage Triggered by Selected Anions. ChemSusChem, 2020, 13, 2239-2244.	6.8	59
9	Distinction between pristine and disorder-perturbed charge density waves in $\text{ZrTe}_3$ . Nature Communications, 2020, 11, 98.	12.8	21
10	Uncovering the Surface and Phase Effect of Molybdenum Carbides on Hydrogen Evolution: A First-Principles Study. Journal of Physical Chemistry C, 2019, 123, 21878-21887.	3.1	23
11	Electron-phonon coupling and the coexistence of superconductivity and charge-density wave in monolayer $\text{NbSe}_2$ . Physical Review B, 2019, 99, .	3.2	48
12	Determination of electron effective mass in InN by cyclotron resonance spectroscopy. Superlattices and Microstructures, 2019, 136, 106318.	3.1	1
13	Computational Screening of Electrocatalytic Materials for Hydrogen Evolution: Platinum Monolayer on Transitional Metals. Journal of Physical Chemistry C, 2019, 123, 495-503.	3.1	15
14	First-principles study of charge and magnetic ordering in monolayer $\text{NbSe}_2$ . Physical Review B, 2018, 97, .	3.2	38
15	Ising Superconductivity and Quantum Phase Transition in Macro-Size Monolayer $\text{NbSe}_2$ . Nano Letters, 2017, 17, 6802-6807.	9.1	155
16	On the Quantum Spin Hall Gap of Monolayer $\text{WT}_2$ . Advanced Materials, 2016, 28, 4845-4851.	21.0	141
17	Charge density waves and phonon-electron coupling in $\text{ZrTe}_3$ . Physical Review B, 2015, 91, .	3.2	33
18	Template synthesis of $\text{SnO}_2/\text{Fe}_2\text{O}_3$ nanotube array for 3D lithium ion battery anode with large areal capacity. Nanoscale, 2012, 4, 2760.	5.6	142