

# Jincheng Zhuang

## List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Large-Gap Quantum Spin Hall State and Temperature-Induced Lifshitz Transition in $\text{Bi}_4\text{Br}_4$ . ACS Nano, 2022, 16, 3036-3044.	7.3	17
2	Facet-dependent Electronic Quantum Diffusion in the High-Order Topological Insulator $\text{Bi}_4\text{Te}_3$ . Physical Review Applied, 2022, 17, .	1.5	6
3	Moiré Potential-Induced Band Structure Engineering in Graphene and Silicene. Small, 2021, 17, e1903769.	5.2	9
4	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation. Advanced Materials, 2021, 33, e2101042.	11.1	38
5	Kondo Holes in the Two-Dimensional Itinerant Ising Ferromagnet $\text{Fe}_3\text{GeTe}_2$ . Nano Letters, 2021, 21, 6117-6123.	4.5	23
6	Epitaxial Growth of Quasi-One-Dimensional Bismuth-Halide Chains with Atomically Sharp Topological Non-Trivial Edge States. ACS Nano, 2021, 15, 14850-14857.	7.3	12
7	Germanium Nanosheets with Dirac Characteristics as a Saturable Absorber for Ultrafast Pulse Generation (Adv. Mater. 32/2021). Advanced Materials, 2021, 33, 2170247.	11.1	5
8	Resolving the intrinsic bandgap and edge effect of $\text{Bi}_3$ film epitaxially grown on graphene. Materials Today Physics, 2021, 20, 100454.	2.9	4
9	Capturing the active sites of multimetallic (oxy)hydroxides for the oxygen evolution reaction. Energy and Environmental Science, 2020, 13, 4225-4237.	15.6	186
10	Experimental Realization of Two-Dimensional Buckled Lieb Lattice. Nano Letters, 2020, 20, 2537-2543.	4.5	12
11	Palladium forms Ohmic contact on hydrogen-terminated diamond down to 4%K. Applied Physics Letters, 2020, 116, .	1.5	14
12	Reversible Potassium Intercalation in Blue Phosphorene-Au Network Driven by an Electric Field. Journal of Physical Chemistry Letters, 2020, 11, 5584-5590.	2.1	5
13	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 21985-21991.	4.0	17
14	The role of oxygen vacancies in the high cycling endurance and quantum conductance in $\text{BiVO}_4$ -based resistive switching memory. Information Materials, 2020, 2, 960-967.	8.5	21
15	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). Nano Letters, 2019, 19, 5340-5346.	4.5	27
16	Evidence for the dynamic relaxation behavior of oxygen vacancies in Aurivillius $\text{Bi}_2\text{MoO}_6$ from dielectric spectroscopy during resistance switching. Journal of Materials Chemistry C, 2019, 7, 8915-8922.	2.7	10
17	Native Surface Oxides Featured Liquid Metals for Printable Self-Powered Photoelectrochemical Device. Frontiers in Chemistry, 2019, 7, 356.	1.8	6
18	Rational design of two-dimensional hybrid Co/N-doped carbon nanosheet arrays for efficient bi-functional electrocatalysis. Sustainable Energy and Fuels, 2019, 3, 1757-1763.	2.5	11

#	ARTICLE	IF	CITATIONS
19	Realization of Strained Stanene by Interface Engineering. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1558-1565.	2.1	25
20	Recent Progress on Two-Dimensional Heterostructures for Catalytic, Optoelectronic, and Energy Applications. <i>ChemElectroChem</i> , 2019, 6, 2841-2851.	1.7	18
21	Role of Charge Density Wave in Monatomic Assembly in Transition Metal Dichalcogenides. <i>Advanced Functional Materials</i> , 2019, 29, 1900367.	7.8	28
22	High Pressure Driven Isostructural Electronic Phase Separation in 2D BiOI. <i>Physica Status Solidi - Rapid Research Letters</i> , 2019, 13, .	1.2	2
23	Activating Titania for Efficient Electrocatalysis by Vacancy Engineering. <i>ACS Catalysis</i> , 2018, 8, 4288-4293.	5.5	141
24	Realization of flat band with possible nontrivial topology in electronic Kagome lattice. <i>Science Advances</i> , 2018, 4, eaau4511.	4.7	131
25	Electronic Band Engineering in Elemental 2D Materials. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800749.	1.9	16
26	Dirac Signature in Germanene on Semiconducting Substrate. <i>Advanced Science</i> , 2018, 5, 1800207.	5.6	59
27	Band Gap Modulated by Electronic Superlattice in Blue Phosphorene. <i>ACS Nano</i> , 2018, 12, 5059-5065.	7.3	92
28	Cooperative Electron-Phonon Coupling and Buckled Structure in Germanene on Au(111). <i>ACS Nano</i> , 2017, 11, 3553-3559.	7.3	75
29	Construction of 2D lateral pseudoheterostructures by strain engineering. <i>2D Materials</i> , 2017, 4, 025102.	2.0	31
30	Role of Atomic Interaction in Electronic Hybridization in Two-Dimensional Ag <sub>2</sub> Ge Nanosheets. <i>Journal of Physical Chemistry C</i> , 2017, 121, 16754-16760.	1.5	13
31	Silicene: A Promising Anode for Lithium-Ion Batteries. <i>Advanced Materials</i> , 2017, 29, 1606716.	11.1	179
32	Synthesis of Multilayer Silicene on Si(111)- $\sqrt{3} \times \sqrt{3}$ -Ag. <i>Journal of Physical Chemistry C</i> , 2017, 121, 27182-27190.	1.5	34
33	A Gallium-Based Magnetocaloric Liquid Metal Ferrofluid. <i>Nano Letters</i> , 2017, 17, 7831-7838.	4.5	101
34	Nanodroplets for Stretchable Superconducting Circuits. <i>Advanced Functional Materials</i> , 2016, 26, 8111-8118.	7.8	158
35	Observation of van Hove Singularities in Twisted Silicene Multilayers. <i>ACS Central Science</i> , 2016, 2, 517-521.	5.3	37
36	Quasi-freestanding epitaxial silicene on Ag(111) by oxygen intercalation. <i>Science Advances</i> , 2016, 2, e1600067.	4.7	138

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37	Metal-silicene interaction studied by scanning tunneling microscopy. Journal of Physics Condensed Matter, 2016, 28, 034002.	0.7	9
38	Fabrication of Nb-sheathed FeSe <sub>0.5</sub> Te <sub>0.5</sub> tape by an ex-situ powder-in-tube method. Journal of Alloys and Compounds, 2016, 664, 218-222.	2.8	12
39	Investigation of electron-phonon coupling in epitaxial silicene by <i>in situ</i> Raman spectroscopy. Physical Review B, 2015, 91, .	1.1	67
40	Synthesis of high-quality FeSe <sub>0.5</sub> Te <sub>0.5</sub> polycrystal using an easy one-step technique. Journal of Alloys and Compounds, 2015, 644, 523-527.	2.8	26
41	Honeycomb silicon: a review of silicene. Science Bulletin, 2015, 60, 1551-1562.	4.3	74
42	Enhancement of weak localization for nitrogen-doped graphene by short range potentials. Carbon, 2015, 82, 346-352.	5.4	9
43	Epitaxial growth mechanism of silicene on Ag(111)., 2014, , .		3
44	Anisotropic superconductivity of Ca <sub>1-x</sub> La <sub>x</sub> FeAs <sub>2</sub> (x=0.18) single crystal. Applied Physics Express, 2014, 7, 063102.	1.1	27
45	Tuning the Band Gap in Silicene by Oxidation. ACS Nano, 2014, 8, 10019-10025.	7.3	175
46	Bulk Superconductivity in Fe <sub>1-x</sub> Te <sub>0.6</sub> Se <sub>0.4</sub> Induced by Removal of Excess Fe. Journal of the Physical Society of Japan, 2014, 83, 064704.	0.7	22
47	Unabridged phase diagram for single-phased Fe <sub>x</sub> Te <sub>1-x</sub> thin films. Scientific Reports, 2014, 4, 7273.	1.6	38
48	Effects of Oxygen Adsorption on the Surface State of Epitaxial Silicene on Ag(111). Scientific Reports, 2014, 4, 7543.	1.6	70
49	Raman Studies on Silicene and Germanene. Surface Innovations, 0, , 1-31.	1.4	2