

Jiang Zeng

List of Publications by Year in descending order

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15
papers

490
citations

1040056

9
h-index

996975

15
g-index

15
all docs

15
docs citations

15
times ranked

995
citing authors

#	ARTICLE	IF	CITATIONS
1	Half Layer By Half Layer Growth of a Blue Phosphorene Monolayer on a GaN(001) Substrate. Physical Review Letters, 2017, 118, 046101.	7.8	149
2	Enhancing the Hydrogen Activation Reactivity of Nonprecious Metal Substrates via Confined Catalysis Underneath Graphene. Nano Letters, 2016, 16, 6058-6063.	9.1	101
3	Contrasting Structural Reconstructions, Electronic Properties, and Magnetic Orderings along Different Edges of Zigzag Transition Metal Dichalcogenide Nanoribbons. Nano Letters, 2017, 17, 1097-1101.	9.1	75
4	Competing Gap Opening Mechanisms of Monolayer Graphene and Graphene Nanoribbons on Strong Topological Insulators. Nano Letters, 2017, 17, 4013-4018.	9.1	41
5	Multiorbital model reveals a second-order topological insulator in 1H transition metal dichalcogenides. Physical Review B, 2021, 104, .	8.0	26
6	Enhanced half-metallicity in orientationally misaligned graphene/hexagonal boron nitride lateral heterojunctions. Physical Review B, 2016, 94, .	3.2	17
7	Freestanding Cubic ZrN Single-Crystalline Films with Two-Dimensional Superconductivity. Journal of the American Chemical Society, 2019, 141, 10183-10187.	13.7	16
8	Exploring High Transition Temperature Superconductivity in a Freestanding or 3C -Supported CoSb Monolayer. Physical Review Letters, 2020, 124, 027002.	7.8	14
9	Valley-selective Floquet Chern flat bands in twisted multilayer graphene. Physical Review B, 2021, 103, .	3.2	11
10	Predictive design of intrinsic half-metallicity in zigzag tungsten dichalcogenide nanoribbons. Physical Review B, 2019, 100, .	3.2	9
11	A first-principles study of exciton self-trapping and electric polarization in one-dimensional organic lead halide perovskites. Physical Chemistry Chemical Physics, 2022, 24, 17323-17328.	2.8	9
12	Realistic flat-band model based on degenerate p-orbitals in two-dimensional ionic materials. Science Bulletin, 2021, 66, 765-770.	9.0	7
13	Nuclear Quantum Effects on the Charge-Density Wave Transition in NbX_2 ($X = \text{S}, \text{Se}$). Nano Letters, 2022, 22, 1858-1865.	9.1	7
14	A Majorana perspective on understanding and identifying axion insulators. Communications Physics, 2021, 4, .	5.3	6
15	Varying topological properties of two-dimensional honeycomb lattices composed of endohedral fullerenes. Physical Review B, 2019, 100, .	3.2	2