

Wei Jiang

List of Publications by Year in descending order

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1,087
citations

430874

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docs citations

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times ranked

1515
citing authors

#	ARTICLE	IF	CITATIONS
1	Bis(aminthiolato)nickel nanosheet as a redox switch for conductivity and an electrocatalyst for the hydrogen evolution reaction. <i>Chemical Science</i> , 2017, 8, 8078-8085.	7.4	120
2	Prediction of two-dimensional nodal-line semimetals in a carbon nitride covalent network. <i>Journal of Materials Chemistry A</i> , 2018, 6, 11252-11259.	10.3	101
3	Gapped Spin-1/2 Spinon Excitations in a New Kagome Quantum Spin Liquid Compound $\text{Cu}_3\text{Zn}(\text{OH})_6\text{FBr}$. <i>Chinese Physics Letters</i> , 2017, 34, 077502.	3.3	98
4	Exotic Topological Bands and Quantum States in Metal-Organic and Covalent-Organic Frameworks. <i>Accounts of Chemical Research</i> , 2021, 54, 416-426.	15.6	82
5	Giant Enhancement of Photoluminescence Emission in WS_2 -Two-Dimensional Perovskite Heterostructures. <i>Nano Letters</i> , 2019, 19, 4852-4860.	9.1	72
6	A Lieb-like lattice in a covalent-organic framework and its Stoner ferromagnetism. <i>Nature Communications</i> , 2019, 10, 2207.	12.8	67
7	Topological band evolution between Lieb and kagome lattices. <i>Physical Review B</i> , 2019, 99, .	3.2	66
8	Optical control of ferroelectric switching and multifunctional devices based on van der Waals ferroelectric semiconductors. <i>Nanoscale</i> , 2020, 12, 23488-23496.	5.6	49
9	Topological Band Engineering of Lieb Lattice in Phthalocyanine-Based Metal-Organic Frameworks. <i>Nano Letters</i> , 2020, 20, 1959-1966.	9.1	43
10	Kagome bands disguised in a coloring-triangle lattice. <i>Physical Review B</i> , 2019, 99, .	3.2	42
11	Prediction of large gap flat Chern band in a two-dimensional metal-organic framework. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	37
12	Dichotomy between frustrated local spins and conjugated electrons in a two-dimensional metal-organic framework. <i>Nanoscale</i> , 2019, 11, 955-961.	5.6	34
13	$\text{ZrTe}_2/\text{CrTe}_2$: an epitaxial van der Waals platform for spintronics. <i>Nature Communications</i> , 2022, 13, .	12.8	32
14	Intrinsic quantum anomalous hall effect in a two-dimensional anilato-based lattice. <i>Nanoscale</i> , 2018, 10, 11901-11906.	5.6	29
15	Magnetic Weyl semimetals with diamond structure realized in spinel compounds. <i>Physical Review B</i> , 2020, 101, .	3.2	27
16	Band gap reduction in van der Waals layered 2D materials via a de-charge transfer mechanism. <i>Nanoscale</i> , 2018, 10, 16759-16764.	5.6	25
17	Flexible and Transparent Electrode of Hybrid $\text{Ti}_3\text{C}_2\text{Tx}$ MXene-Silver Nanowires for High-Performance Quantum Dot Light-Emitting Diodes. <i>ACS Nano</i> , 2022, 16, 9203-9213.	14.6	22
18	Tunable topological semimetal states with ultraflat nodal rings in strained YN. <i>Physical Review B</i> , 2018, 98, .	3.2	21

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19	Oxidation-promoted Interfacial Synthesis of Redox-active Bis(diimino)nickel Nanosheet. Chemistry Letters, 2018, 47, 126-129.	1.3	18
20	Giant Anomalous Hall Effect due to Double-Degenerate Quasiflat Bands. Physical Review Letters, 2021, 126, 106601.	7.8	16
21	Bipolar Electric-Field Switching of Perpendicular Magnetic Tunnel Junctions through Voltage-Controlled Exchange Coupling. Nano Letters, 2022, 22, 622-629.	9.1	15
22	Threshold conductivity switching in sulfurized antimony selenide nanowires. Applied Physics Letters, 2011, 99, .	3.3	13
23	Creation of half-metallic π -orbital Dirac fermion with superlight elements in orbital-designed molecular lattice. Physical Review B, 2017, 96, .	3.2	10
24	Spintronic detection of interfacial magnetic switching in a paramagnetic thin film of tris(8-hydroxyquinoline)iron(III). Physical Review B, 2017, 95, .	3.2	9
25	Tuning interfacial spin filters from metallic to resistive within a single organic semiconductor family. Physical Review B, 2017, 95, .	3.2	8
26	Paving a way to suppress hydrogen blistering by investigating the hydrogen-beryllium interaction in tungsten. RSC Advances, 2016, 6, 103622-103631.	3.6	6
27	Li doped kagome spin liquid compounds. Physical Chemistry Chemical Physics, 2018, 20, 21693-21698.	2.8	6
28	Ferromagnetic phase of the spinel compound MgV_2O_4 and its spintronics properties. Physical Review B, 2020, 102, .	3.2	6
29	π conjugation in the epitaxial Si(111)- $\sqrt{3}\times\sqrt{3}$ surface: Unconventional π -bonding geometry for Si. Physical Review B, 2017, 95, .	3.2	5
30	Transition Metal-Free Half-Metallicity in Two-Dimensional Gallium Nitride with a Quasi-Flat Band. Journal of Physical Chemistry Letters, 2021, 12, 12150-12156.	4.6	3
31	Methodological framework for materials discovery using machine learning. Physical Review Materials, 2022, 6, .	2.4	3
32	Organic Topological Insulators. Materials and Energy, 2018, , 201-224.	0.1	2