

Haiping Wu

List of Publications by Year in descending order

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28
papers

972
citations

759233

12
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526287

27
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all docs

28
docs citations

28
times ranked

1453
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Intrinsic Ferromagnetic Ferroelectricity in a Transition-Metal Halide Monolayer. <i>Physical Review Letters</i> , 2018, 120, 147601.	7.8	217
2	Atomically Thin Transition-Metal Dinitrides: High-Temperature Ferromagnetism and Half-Metallicity. <i>Nano Letters</i> , 2015, 15, 8277-8281.	9.1	168
3	Efficient band structure tuning, charge separation, and visible-light response in ZrS ₂ -based van der Waals heterostructures. <i>Energy and Environmental Science</i> , 2016, 9, 841-849.	30.8	161
4	Quantum anomalous Hall effect in ferromagnetic transition metal halides. <i>Physical Review B</i> , 2017, 95, .	3.2	110
5	New Ferroelectric Phase in Atomic-Thick Phosphorene Nanoribbons: Existence of in-Plane Electric Polarization. <i>Nano Letters</i> , 2016, 16, 8015-8020.	9.1	55
6	Quantum Phase Transition in Germanene and Stanene Bilayer: From Normal Metal to Topological Insulator. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1919-1924.	4.6	33
7	Prediction of another semimetallic silicene allotrope with Dirac fermions. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3754-3759.	2.1	31
8	A theoretical study on the electronic property of a new two-dimensional material molybdenum dinitride. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 768-772.	2.1	27
9	High-capacity hydrogen storage in Li-adsorbed g-C ₃ N ₄ . <i>Materials Chemistry and Physics</i> , 2016, 180, 440-444.	4.0	21
10	The theoretical search for half-metallic material: The non-stoichiometric perovskite oxide Sr ₂ FeCoO ₆ . <i>Applied Physics Letters</i> , 2011, 99, .	3.3	20
11	Laser-parameter effects on the generation of ultrabroad harmonic and ultrashort attosecond pulse in a long-plus-short scheme. <i>Journal of Modern Optics</i> , 2012, 59, 1640-1649.	1.3	14
12	S doping effect on the properties of double perovskite La ₂ FeMoO ₆ . <i>Applied Physics Letters</i> , 2012, 100, .	3.3	14
13	Isolated sub-10 attosecond pulse generation by a 6-fs driving pulse and a 5-fs subharmonic controlling pulse. <i>AIP Advances</i> , 2012, 2, 022102.	1.3	12
14	First-principles study on S and N doping graphene/SnS ₂ heterostructure for lithium-ion battery. <i>Chemical Physics Letters</i> , 2021, 769, 138391.	2.6	12
15	d ₀ magnetism in semiconductors through confining delocalized atomic orbitals. <i>Applied Physics Letters</i> , 2013, 102, 022422.	3.3	10
16	Two-dimensional silicon monolayers generated on c-BN(111) substrate. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15694-15700.	2.8	10
17	Half-metallicity obtained in silicene nanosheet by nitrogenation engineering. <i>Journal of Applied Physics</i> , 2016, 120, 234303.	2.5	9
18	Disorder effect on the electronic and magnetic properties of Sr ₂ FeCoO ₆ : A density-functional theoretical investigation. <i>Journal of Applied Physics</i> , 2011, 110, 083701.	2.5	8

#	ARTICLE	IF	CITATIONS
19	Ferroelectric-like structural transition in metallic LiOsO ₃ . RSC Advances, 2014, 4, 26843.	3.6	7
20	A theoretical investigation of the special properties of SrFe _{1-x} CoxO ₃ . Solid State Communications, 2011, 151, 1616-1621.	1.9	6
21	Tuning the physical properties of antiferromagnetic perovskite oxide NiCrO ₃ by high-pressure from density-functional calculations. Solid State Communications, 2013, 170, 24-29.	1.9	5
22	Atomically thin mononitrides SiN and GeN: New two-dimensional wide band gap semiconductors. Europhysics Letters, 2018, 122, 47002.	2.0	5
23	D-C4N3: A superhard ferromagnetic half-metal predicted by first-principles study. Physics Letters, Section A: General, Atomic and Solid State Physics, 2022, 423, 127814.	2.1	5
24	Theoretical realization of half-metallicity in two-dimensional monolayered molybdenum dinitride by Mo vacancy tuning. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2669-2673.	2.1	4
25	PC-silicene: A two-dimensional silicene allotrope with strong anisotropic conductance. Europhysics Letters, 2021, 134, 57004.	2.0	4
26	Theoretical search for half-metallic material: Y MnS ₃ . Solid State Communications, 2012, 152, 288-291.	1.9	3
27	Substrate-induced half-metallic property in epitaxial silicene. Europhysics Letters, 2019, 126, 57006.	2.0	1
28	Transition between half-metal and ferromagnetic semiconductor induced by silicon vacancy in bulk non-metallic substrate supported silicene. Journal Physics D: Applied Physics, 2021, 54, 125302.	2.8	0