Haiping Wu

List of Publications by Year
in descending order

28 papers	972 citations	759233 12 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	1453 citing authors

#	Article	IF	Citations
1	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
2	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
3	First-principles study on S and N doping graphene/SnS2 heterostructure for lithium-ion battery. Chemical Physics Letters, 2021, 769, 138391.	2.6	12
4	PC-silicene: A two-dimensional silicene allotrope with strong anisotropic conductance. Europhysics Letters, 2021, 134, 57004.	2.0	4
5	Substrate-induced half-metallic property in epitaxial silicene. Europhysics Letters, 2019, 126, 57006.	2.0	1
6	Prediction of Intrinsic Ferromagnetic Ferroelectricity in a Transition-Metal Halide Monolayer. Physical Review Letters, 2018, 120, 147601.	7.8	217
7	Atomically thin mononitrides SiN and GeN: New two-dimensional wide band gap semiconductors. Europhysics Letters, 2018, 122, 47002.	2.0	5
8	Quantum anomalous Hall effect in ferromagnetic transition metal halides. Physical Review B, 2017, 95, .	3.2	110
9	Prediction of another semimetallic silicene allotrope with Dirac fermions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 3754-3759.	2.1	31
10	Half-metallicity obtained in silicene nanosheet by nitrogenation engineering. Journal of Applied Physics, 2016, 120, 234303.	2.5	9
11	Quantum Phase Transition in Germanene and Stanene Bilayer: From Normal Metal to Topological Insulator. Journal of Physical Chemistry Letters, 2016, 7, 1919-1924.	4.6	33
12	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
13	High-capacity hydrogen storage in Li-adsorbed g-C3N4. Materials Chemistry and Physics, 2016, 180, 440-444.	4.0	21
14	New Ferroelectric Phase in Atomic-Thick Phosphorene Nanoribbons: Existence of in-Plane Electric Polarization. Nano Letters, 2016, 16, 8015-8020.	9.1	55
15	Efficient band structure tuning, charge separation, and visible-light response in ZrS₂-based van der Waals heterostructures. Energy and Environmental Science, 2016, 9, 841-849.	30.8	161
16	A theoretical study on the electronic property of a new two-dimensional material molybdenum dinitride. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 768-772.	2.1	27
17	Two-dimensional silicon monolayers generated on c-BN(111) substrate. Physical Chemistry Chemical Physics, 2015, 17, 15694-15700.	2.8	10
18	Atomically Thin Transition-Metal Dinitrides: High-Temperature Ferromagnetism and Half-Metallicity. Nano Letters, 2015, 15, 8277-8281.	9.1	168

#	Article	IF	Citations
19	Ferroelectric-like structural transition in metallic LiOsO3. RSC Advances, 2014, 4, 26843.	3.6	7
20	Tuning the physical properties of antiferromagnetic perovskite oxide NiCrO3 by high-pressure from density-functional calculations. Solid State Communications, 2013, 170, 24-29.	1.9	5
21	d0 magnetism in semiconductors through confining delocalized atomic orbitals. Applied Physics Letters, 2013, 102, 022422.	3.3	10
22	Laser-parameter effects on the generation of ultrabroad harmonic and ultrashort attosecond pulse in a long-plus-short scheme. Journal of Modern Optics, 2012, 59, 1640-1649.	1.3	14
23	S doping effect on the properties of double perovskite La2FeMoO6. Applied Physics Letters, 2012, 100, .	3.3	14
24	Isolated sub-10 attosecond pulse generation by a 6-fs driving pulse and a 5-fs subharmonic controlling pulse. AIP Advances, 2012, 2, 022102.	1.3	12
25	Theoretical search for half-metallic material: Y MnS3. Solid State Communications, 2012, 152, 288-291.	1.9	3
26	A theoretical investigation of the special properties of SrFe1â^'xCoxO3. Solid State Communications, 2011, 151, 1616-1621.	1.9	6
27	Disorder effect on the electronic and magnetic properties of Sr2FeCoO6: A density-functional theoretical investigation. Journal of Applied Physics, 2011, 110, 083701.	2.5	8
28	The theoretical search for half-metallic material: The non-stoichiometric peroskite oxide Sr2FeCoO6â^'Î´. Applied Physics Letters, 2011, 99, .	3.3	20