

Yun-Peng Wang

List of Publications by Year in descending order

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34
papers

725
citations

759233

12
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552781

26
g-index

34
all docs

34
docs citations

34
times ranked

1209
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and properties of free-standing monolayer amorphous carbon. <i>Nature</i> , 2020, 577, 199-203.	27.8	250
2	Absence of a Dirac cone in silicene on Ag(111): First-principles density functional calculations with a modified effective band structure technique. <i>Physical Review B</i> , 2013, 87, .	3.2	141
3	Modifications of magnetic anisotropy of Fe ₃ GeTe ₂ by the electric field effect. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	30
4	Molecular analogue of the perovskite repeating unit and evidence for direct Mn ^{III} -Ce ^{IV} -Mn ^{III} exchange coupling pathway. <i>Nature Communications</i> , 2017, 8, 500.	12.8	28
5	Electronic and magnetic properties of van der Waals ferromagnetic semiconductor VI_3S_8 . <i>Physical Review B</i> , 2020, 101, .	3.2	28
6	Outstanding thermoelectric properties of solvothermal-synthesized Sn _{1-3x} In _x Ag _{2x} Te micro-crystals through defect engineering and band tuning. <i>Journal of Materials Chemistry A</i> , 2020, 8, 3978-3987.	10.3	25
7	Engineering Dual Single-Atom Sites on 2D Ultrathin N-doped Carbon Nanosheets Attaining Ultra-low-temperature Zinc-Air Battery. <i>Angewandte Chemie</i> , 0, .	2.0	24
8	All-electron self-consistent GW calculations in the Matsubara-time domain: Implementation and benchmarks of semiconductors and insulators. <i>Physical Review B</i> , 2016, 93, .	3.2	23
9	Two-dimensional lateral GaN/SiC heterostructures: First-principles studies of electronic and magnetic properties. <i>Physical Review B</i> , 2017, 95, .	3.2	22
10	First-principles studies of electric field effects on the electronic structure of trilayer graphene. <i>Physical Review B</i> , 2016, 94, .	3.2	20
11	$\text{DFT} + \text{DMFT}$ calculations of the complex band and tunneling behavior for the transition metal monoxides MnO, FeO, CoO, and NiO. <i>Physical Review B</i> , 2019, 100, .	3.2	18
12	Observation of split defect-bound excitons in twisted WSe ₂ /WSe ₂ homostructure. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	18
13	First-principles simulations of a graphene-based field-effect transistor. <i>Physical Review B</i> , 2015, 91, .	3.2	15
14	Engineering the Crack Structure and Fracture Behavior in Monolayer MoS ₂ By Selective Creation of Point Defects. <i>Advanced Science</i> , 2022, 9, .	11.2	10
15	Resistance of Ag-silicene-Ag junctions: A combined nonequilibrium Green's function and Boltzmann transport study. <i>Physical Review B</i> , 2013, 88, .	3.2	9
16	First-principles prediction of switchable metallic ferroelectricity in multiferroic tunnel junctions. <i>Physical Review B</i> , 2019, 99, .	3.2	8
17	First-principles investigations on a two-dimensional S ₃ N ₂ /black phosphorene van der Waals heterostructure: mechanical, carrier transport and thermoelectric anisotropy. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 425301.	1.8	7
18	Magnetic phase transition induced by electrostatic gating in two-dimensional square metal-organic frameworks. <i>Physical Review B</i> , 2018, 97, .	3.2	6

#	ARTICLE	IF	CITATIONS
19	Paramagnetic phases of two-dimensional magnetic materials. <i>Physical Review B</i> , 2020, 102, .	3.2	6
20	Negative thermal expansion of two-dimensional magnets. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	6
21	Gate field effects on the topological insulator BiSbTeSe ₂ interface. <i>Applied Physics Letters</i> , 2020, 116, 031601.	3.3	5
22	Giant ferroelectric modulation of barrier height and width in multiferroic tunnel junctions. <i>Physical Review B</i> , 2021, 103, .	3.2	4
23	The Magnetic Proximity Effect at the MoS ₂ /CrI ₃ Interface. <i>Journal of Physics Condensed Matter</i> , 2021, 34, .	1.8	4
24	Cation Substitution Effect on a Molecular Analogue of Perovskite Manganites. <i>Journal of Physical Chemistry C</i> , 2017, 121, 10893-10898.	3.1	3
25	Thermal transport of monolayer amorphous carbon and boron nitride. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	3
26	Multicontrol Over Grapheneâ€Molecule Heterojunctions. <i>ACS Omega</i> , 2017, 2, 5824-5830.	3.5	2
27	Comparative investigation of electronic transport across three-dimensional nanojunctions. <i>Physical Review B</i> , 2017, 95, .	3.2	2
28	Tuning spin transport across two-dimensional organometallic junctions. <i>Physical Review B</i> , 2018, 97, .	3.2	2
29	The spin-polarized edge states of blue phosphorene nanoribbons induced by electric field and electron doping. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 105302.	1.8	2
30	CONTROL OF CONDUCTANCE AND MAGNETORESISTANCE OF MOLECULAR JUNCTIONS. <i>Spin</i> , 2014, 04, 1440011.	1.3	1
31	Thermodynamic properties of metastable wurtzite InP nanosheets. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 505112.	2.8	1
32	One-dimensional model for coupling between magnon and optical phonon. <i>Physical Review B</i> , 2021, 104, .	3.2	1
33	Enhanced tunneling electroresistance effect by designing interfacial ferroelectric polarization in multiferroic tunnel junctions. <i>Physical Review B</i> , 2022, 105, .	3.2	1
34	Effects of pressure and strain on physical properties of VI ₃ . <i>Journal of Physics Condensed Matter</i> , 2021, 33, 485402.	1.8	0