

Jian-Li Wang

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66

papers

595

citations

13

h-index

21

g-index

66

ext. papers

708

ext. citations

3

avg, IF

4.22

L-index

#	Paper	IF	Citations
66	Spin-orbital coupling effect on the power factor in semiconducting transition-metal dichalcogenide monolayers. <i>Semiconductor Science and Technology</i> , 2016 , 31, 095011	1.8	42
65	Magnetic ordering and structural phase transitions in a strained ultrathin SrRuO ₃ /SrTiO ₃ superlattice. <i>Physical Review Letters</i> , 2012 , 109, 157003	7.4	42
64	Pressure enhanced thermoelectric properties in Mg ₂ Sn. <i>RSC Advances</i> , 2016 , 6, 31272-31276	3.7	32
63	Surface structure of strontium titanate. <i>Journal of Applied Physics</i> , 2009 , 105, 083526	2.5	30
62	Potential thermoelectric materials CsM ₁₃ (M = Sn and Pb) in perovskite structures from first-principles calculations. <i>RSC Advances</i> , 2016 , 6, 101552-101559	3.7	28
61	The time-splitting Fourier spectral method for the coupled Schrödinger-Boussinesq equations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 1201-1210	3.7	27
60	Design of Two-Dimensional Multiferroics with Direct Polarization-Magnetization Coupling. <i>Physical Review Letters</i> , 2020 , 125, 017601	7.4	24
59	Stabilities of the Intrinsic Defects on SrTiO ₃ Surface and SrTiO ₃ /LaAlO ₃ Interface. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 24993-24998	3.8	20
58	Thermodynamic stability of BaTiO ₃ (110) surfaces. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 796-800	1.3	17
57	The adsorption of Be on the surface of (0001) InN. <i>Applied Surface Science</i> , 2008 , 255, 2533-2537	6.7	17
56	Origins of magnetic structure and ferroelectricity in multiferroic Lu ₂ CoMnO ₆ . <i>Physical Review B</i> , 2016 , 93,	3.3	16
55	Stable structure and effects of the substrate Ti pre-treatment on the epitaxial growth of SrTiO ₃ on GaAs. <i>Europhysics Letters</i> , 2009 , 86, 46008	1.6	15
54	Interesting pressure dependence of power factor in BiTeI. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 215107	3	14
53	Structural and electronic properties of PbTiO ₃ /SrTiO ₃ superlattices from first principles. <i>Physical Review B</i> , 2010 , 82,	3.3	13
52	The effect of Cu on O adsorption on a ZnO(0001) surface: a first-principles study. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 095002	1.8	13
51	Magnetic properties and spin-driven ferroelectricity in multiferroic skyrmion host GaV ₄ S ₈ . <i>Physical Review B</i> , 2017 , 95,	3.3	11
50	Tunable electronic and optical properties of arsenene/MoTe ₂ van der Waals heterostructures. <i>Vacuum</i> , 2019 , 163, 128-134	3.7	11

49	Structural and electronic properties of CdTe:Cl from first-principles. <i>Materials Chemistry and Physics</i> , 2014 , 143, 637-641	4.4	11
48	Structural properties of oxygen on InN(0001) surface. <i>Surface Science</i> , 2007 , 601, 2161-2165	1.8	11
47	Structural distortion and charge redistribution in SrTiO ₃ (111) polar surfaces. <i>Vacuum</i> , 2015 , 120, 83-88	3.7	10
46	Electronic and optical properties tuned by strain and external electric field of g-ZnO/2H-TiS ₂ van der Waals heterostructures. <i>Vacuum</i> , 2020 , 174, 109232	3.7	10
45	Stability and band offsets of nonpolar (112̄0) ZnO on (001) LaAlO ₃ . <i>Vacuum</i> , 2018 , 150, 29-34	3.7	10
44	Stable structure and effects of sulfur in CdTe/CdS heterojunctions. <i>Surface and Interface Analysis</i> , 2012 , 44, 434-438	1.5	10
43	Strain-driven magnetic phase transitions from an antiferromagnetic to a ferromagnetic state in perovskite RMnO ₃ films. <i>Physical Review B</i> , 2018 , 98,	3.3	10
42	Stabilization of E-type magnetic order caused by epitaxial strain in perovskite manganites. <i>Physical Review B</i> , 2018 , 97,	3.3	9
41	Strain dependent electronic structure and optical properties tuning of InN/PtX ₂ (X=S, Se) van der waals heterostructures. <i>Vacuum</i> , 2019 , 168, 108805	3.7	9
40	Atomic structure for Mg on InN(0001) surface. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 1796-1799	2.3	9
39	Structural and electronic properties of Zn on a CdTe(001) surface. <i>Solid State Communications</i> , 2009 , 149, 982-985	1.6	9
38	Strain and electric field tuned electronic properties of BAs/MoSe ₂ van der Waals heterostructures for alternative electrodes and photovoltaic cell in photocatalysis. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2020 , 120, 114055	3	8
37	The adsorption of O on (001) and (111) CdTe surfaces: A first-principles study. <i>Thin Solid Films</i> , 2012 , 520, 3960-3964	2.2	6
36	Magnetism and spin-driven ferroelectricity in the multiferroic material Bi ₂ V ₂ O ₇ . <i>Physical Review B</i> , 2017 , 96,	3.3	6
35	Electronic and structural characterization of InN heterostructures grown on BiGaO ₂ (001) substrates. <i>Vacuum</i> , 2015 , 119, 106-111	3.7	6
34	The structure and electronic properties of AlN/SrTiO ₃ (111) interfaces. <i>Journal of Crystal Growth</i> , 2012 , 353, 134-139	1.6	6
33	Detecting p-type conduction in Ba-doped InN. <i>Applied Physics Letters</i> , 2013 , 102, 042109	3.4	6
32	Optical and electronic properties of dichalcogenides WX ₂ (X=S, Se, and Te) monolayers under biaxial strain. <i>Physica B: Condensed Matter</i> , 2019 , 568, 18-24	2.8	5

31	Thermoelectric properties of two-dimensional magnet CrI. <i>Nanotechnology</i> , 2020 , 31, 315713	3.4	5
30	Structural properties of InN on PbTiO ₃ (111) surfaces. <i>Journal of Materials Science</i> , 2014 , 49, 4715-4721	4.3	5
29	InN doped with Zn: Bulk and surface investigation from first principles. <i>Solid State Communications</i> , 2012 , 152, 1168-1171	1.6	5
28	Two-dimensional electron gas in GaAs/SrHfO ₃ heterostructure. <i>Journal of Applied Physics</i> , 2016 , 119, 235304	2.5	5
27	Spin valve effect in VN/GaN/VN van der Waals heterostructures. <i>Physical Review B</i> , 2021 , 103,	3.3	5
26	Strain engineering of magnetic and orbital order in perovskite LuMnO ₃ epitaxial films. <i>Physical Review B</i> , 2019 , 100,	3.3	4
25	Spin-induced ferroelectricity in a triangular-lattice antiferromagnet studied by magnetoelectric coupling tensors. <i>Physical Review B</i> , 2017 , 96,	3.3	4
24	Surface structure for Au on (0 0 1) SrTiO ₃ . <i>Chemical Physics</i> , 2009 , 360, 79-84	2.3	4
23	First-principles study of Sr adsorption on InN (0001). <i>European Physical Journal B</i> , 2010 , 73, 75-78	1.2	4
22	Band alignments and polarization properties in ZnO (112̄0)/PbTiO ₃ (001) heterostructures. <i>Vacuum</i> , 2019 , 166, 264-269	3.7	3
21	Metallic behavior of GaAs/BaTiO ₃ heterostructure. <i>Europhysics Letters</i> , 2016 , 115, 16001	1.6	3
20	Band alignment of nonpolar (101̄0) ZnO on (112) LaAlO ₃ . <i>Solid State Communications</i> , 2019 , 287, 23-26	1.6	3
19	Stability and band offsets between Si and LaAlO ₃ . <i>European Physical Journal B</i> , 2017 , 90, 1	1.2	2
18	Stability and band offsets between GaAs semiconductor and CeO ₂ gate dielectric. <i>AIP Advances</i> , 2019 , 9, 025117	1.5	2
17	Structural properties of Ge on SrTiO ₃ (001) surface and Ge/SrTiO ₃ interface. <i>Journal of Applied Physics</i> , 2015 , 117, 105307	2.5	2
16	Stability and band offsets between c-plane ZnO semiconductor and LaAlO ₃ gate dielectric. <i>Journal of Applied Physics</i> , 2018 , 123, 115302	2.5	2
15	Interface properties of Ge on cubic SrHfO ₃ (001). <i>Journal of Crystal Growth</i> , 2016 , 443, 66-74	1.6	2
14	The adsorption of In on the surface of (001) CdTe. <i>Physica B: Condensed Matter</i> , 2009 , 404, 3530-3533	2.8	2

13	Tunable electronic properties of silicene based heterojunctions with ultrathin high- ϵ La ₂ O ₃ gate dielectric. <i>Superlattices and Microstructures</i> , 2020 , 147, 106686	2.8	2
12	Significant enhancement of magnetic anisotropy and conductivity in GaN/CrI ₃ van der Waals heterostructures via electrostatic doping. <i>Physical Review B</i> , 2021 , 104,	3.3	2
11	The structure and electronic properties of Ge/SrZrO ₃ . <i>Vacuum</i> , 2016 , 130, 165-173	3.7	1
10	Effect of an Al-adlayer in the c-plane ZnO/AlN heterostructure. <i>Europhysics Letters</i> , 2018 , 122, 26003	1.6	1
9	Stable structure and effects of oxygen on InN (1 0 1 $\bar{0}$) and (1 1 2 $\bar{0}$) surfaces. <i>Journal of Crystal Growth</i> , 2011 , 327, 233-236	1.6	1
8	Hybrid improper ferroelectricity and magnetoelectric coupling in a two-dimensional perovskite oxide. <i>Physical Review B</i> , 2021 , 103,	3.3	1
7	Magnetoelectric coupling dependent on ferroelectric switching paths in two-dimensional perovskite multiferroics. <i>Physical Review B</i> , 2021 , 103,	3.3	1
6	Interface properties of nonpolar LiAlO ₂ /SrTiO ₃ heterostructures. <i>Vacuum</i> , 2019 , 161, 98-102	3.7	1
5	Structural stability and band alignment in the c-plane ZnO/GaN heterostructure. <i>Semiconductor Science and Technology</i> , 2019 , 34, 095008	1.8	0
4	Magnetic and phonon transport properties of two-dimensional room-temperature ferromagnet VSe ₂ . <i>Journal of Materials Science</i> , 2021 , 56, 15844-15858	4.3	0
3	InN growth on BaTiO ₃ (111) substrates: A first-principles study. <i>Journal of Crystal Growth</i> , 2014 , 395, 98-103	1.6	
2	Band offsets in La ₂ O ₃ /InN heterostructures. <i>Solid State Communications</i> , 2017 , 265, 19-22	1.6	
1	Room temperature ferromagnetism and transport properties in InN/VTe ₂ van der Waals heterostructures. <i>Applied Surface Science</i> , 2022 , 598, 153781	6.7	