

Jian-Li Wang

List of Publications by Year in descending order

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1223
citing authors

#	ARTICLE	IF	CITATIONS
1	Room temperature ferromagnetism and transport properties in InN/VTe ₂ van der Waals heterostructures. Applied Surface Science, 2022, 598, 153781.	3.1	3
2	Spin valve effect in VN/GaN/VN van der Waals heterostructures. Physical Review B, 2021, 103, .	1.1	21
3	Hybrid improper ferroelectricity and magnetoelectric coupling in a two-dimensional perovskite oxide. Physical Review B, 2021, 103, .	1.1	8
4	Magnetoelectric coupling dependent on ferroelectric switching paths in two-dimensional perovskite multiferroics. Physical Review B, 2021, 103, .	1.1	5
5	Magnetic and phonon transport properties of two-dimensional room-temperature ferromagnet VSe ₂ . Journal of Materials Science, 2021, 56, 15844-15858.	1.7	11
6	Significant enhancement of magnetic anisotropy and conductivity in GaN/CrI_3 van der Waals heterostructures via electrostatic doping. Physical Review B, 2021, 104, .	1.1	1
7	Tunable electronic properties of silicene based heterojunctions with ultrathin high- ϵ La ₂ O ₃ gate dielectric. Superlattices and Microstructures, 2020, 147, 106686.	1.4	4
8	Strain and electric field tuned electronic properties of BAs/MoSe ₂ van der Waals heterostructures for alternative electrodes and photovoltaic cell in photocatalysis. Physica E: Low-Dimensional Systems and Nanostructures, 2020, 120, 114055.	1.3	12
9	Design of Two-Dimensional Multiferroics with Direct Polarization-Magnetization Coupling. Physical Review Letters, 2020, 125, 017601.	2.9	48
10	Electronic and optical properties tuned by strain and external electric field of g-ZnO/2H-TiS ₂ van der Waals heterostructures. Vacuum, 2020, 174, 109232.	1.6	12
11	Thermoelectric properties of two-dimensional magnet CrI ₃ . Nanotechnology, 2020, 31, 315713.	1.3	12
12	Structural stability and band alignment in the c-plane ZnO/GaN heterostructure. Semiconductor Science and Technology, 2019, 34, 095008.	1.0	1
13	Strain dependent electronic structure and optical properties tuning of InN/PtX ₂ (X=S, Se) van der waals heterostructures. Vacuum, 2019, 168, 108805.	1.6	13
14	Strain engineering of magnetic and orbital order in perovskite LuMnO_3 epitaxial films. Physical Review B, 2019, 100, .	1.1	1
15	Band alignments and polarization properties in ZnO (110) ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 192 Td (001) heterostructures. Vacuum, 2019, 166, 264-269.	1.6	4
16	Optical and electronic properties of dichalcogenides WX ₂ (X=S, Se, and Te) monolayers under biaxial strain. Physica B: Condensed Matter, 2019, 568, 18-24.	1.3	15
17	Stability and band offsets between GaAs semiconductor and CeO ₂ gate dielectric. AIP Advances, 2019, 9, 025117.	0.6	4
18	Tunable electronic and optical properties of arsenene/MoTe ₂ van der Waals heterostructures. Vacuum, 2019, 163, 128-134.	1.6	13

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19	Interface properties of nonpolar LiAlO ₂ /SrTiO ₃ heterostructures. <i>Vacuum</i> , 2019, 161, 98-102.	1.6	2
20	Band alignment of nonpolar (100) ZnO on (112) LaAlO ₃ . <i>Solid State Communications</i> , 2019, 287, 23-26.	0.9	3
21	Stabilization of E_c -type magnetic order caused by epitaxial strain in perovskite manganites. <i>Physical Review B</i> , 2018, 97, .	1.1	12
22	Stability and band offsets of nonpolar (110) ZnO on (001) LaAlO ₃ . <i>Vacuum</i> , 2018, 150, 29-34.	1.6	10
23	Stability and band offsets between c -plane ZnO semiconductor and LaAlO ₃ gate dielectric. <i>Journal of Applied Physics</i> , 2018, 123, .	1.1	2
24	Strain-driven magnetic phase transitions from an antiferromagnetic to a ferromagnetic state in perovskite $R_{1-x}Mn_xO_3$ films. <i>Physical Review B</i> , 2018, 98, .	1.1	17
25	Effect of an Al-adlayer in the c -plane ZnO/AlN heterostructure. <i>Europhysics Letters</i> , 2018, 122, 26003.	0.7	2
26	Magnetic properties and spin-driven ferroelectricity in multiferroic skyrmion host GaV ₄ S ₈ . <i>Physical Review B</i> , 2017, 95, .	1.1	13
27	Stability and band offsets between Si and LaAlO ₃ . <i>European Physical Journal B</i> , 2017, 90, 1.	0.6	2
28	Band offsets in La ₂ O ₃ /InN heterostructures. <i>Solid State Communications</i> , 2017, 265, 19-22.	0.9	0
29	Magnetism and spin-driven ferroelectricity in the multiferroic material V_2O_7 . <i>Physical Review B</i> , 2017, 96, .	1.1	9
30	Spin-induced ferroelectricity in a triangular-lattice antiferromagnet studied by magnetoelectric coupling tensors. <i>Physical Review B</i> , 2017, 96, .	1.1	8
31	Metallic behavior of GaAs/BaTiO ₃ heterostructure. <i>Europhysics Letters</i> , 2016, 115, 16001.	0.7	4
32	Two-dimensional electron gas in GaAs/SrHfO ₃ heterostructure. <i>Journal of Applied Physics</i> , 2016, 119, 235304.	1.1	6
33	Interesting pressure dependence of power factor in BiTeI. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 215107.	1.3	16
34	Potential thermoelectric materials CsM ₃ (M = Sn and Pb) in perovskite structures from first-principles calculations. <i>RSC Advances</i> , 2016, 6, 101552-101559.	1.7	36
35	Spin-orbital coupling effect on the power factor in semiconducting transition-metal dichalcogenide monolayers. <i>Semiconductor Science and Technology</i> , 2016, 31, 095011.	1.0	56
36	Origins of E_c structure and ferroelectricity in multiferroic $R_{1-x}Mn_xO_3$. <i>Physical Review B</i> , 2016, 93, .	1.1	20

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37	The structure and electronic properties of Ge/SrZrO ₃ . Vacuum, 2016, 130, 165-173.	1.6	2
38	Interface properties of Ge on cubic SrHfO ₃ (001). Journal of Crystal Growth, 2016, 443, 66-74.	0.7	2
39	Pressure enhanced thermoelectric properties in Mg ₂ Sn. RSC Advances, 2016, 6, 31272-31276.	1.7	38
40	Electronic and structural characterization of InN heterostructures grown on $\hat{\Gamma}^2$ -LiGaO ₂ (001) substrates. Vacuum, 2015, 119, 106-111.	1.6	9
41	Structural distortion and charge redistribution in SrTiO ₃ (111) polar surfaces. Vacuum, 2015, 120, 83-88.	1.6	12
42	Structural properties of Ge on SrTiO ₃ (001) surface and Ge/SrTiO ₃ interface. Journal of Applied Physics, 2015, 117, .	1.1	3
43	Structural properties of InN on PbTiO ₃ (111) surfaces. Journal of Materials Science, 2014, 49, 4715-4721.	1.7	5
44	InN growth on BaTiO ₃ (111) substrates: A first-principles study. Journal of Crystal Growth, 2014, 395, 98-103.	0.7	0
45	Structural and electronic properties of CdTe:Cl from first-principles. Materials Chemistry and Physics, 2014, 143, 637-641.	2.0	15
46	Detecting p-type conduction in Ba-doped InN. Applied Physics Letters, 2013, 102, 042109.	1.5	6
47	Magnetic Ordering and Structural Phase Transitions in a Strained Ultrathin SrRuO_3 . Physical Review Letters, 2012, 109, 157003.	2.9	51
48	Stabilities of the Intrinsic Defects on SrTiO ₃ Surface and SrTiO ₃ /LaAlO ₃ Interface. Journal of Physical Chemistry C, 2012, 116, 24993-24998.	1.5	21
49	The structure and electronic properties of AlN/SrTiO ₃ (111) interfaces. Journal of Crystal Growth, 2012, 353, 134-139.	0.7	7
50	Stable structure and effects of sulfur in CdTe/CdS heterojunctions. Surface and Interface Analysis, 2012, 44, 434-438.	0.8	10
51	Thermodynamic stability of BaTiO ₃ (110) surfaces. Physica Status Solidi (B): Basic Research, 2012, 249, 796-800.	0.7	17
52	The time-splitting Fourier spectral method for the coupled Schrödinger-Boussinesq equations. Communications in Nonlinear Science and Numerical Simulation, 2012, 17, 1201-1210.	1.7	39
53	InN doped with Zn: Bulk and surface investigation from first principles. Solid State Communications, 2012, 152, 1168-1171.	0.9	5
54	The adsorption of O on (001) and (111) CdTe surfaces: A first-principles study. Thin Solid Films, 2012, 520, 3960-3964.	0.8	6

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55	Stable structure and effects of oxygen on InN (101 \hat{A} 0) and (112 \hat{A} 0) surfaces. Journal of Crystal Growth, 2011, 327, 233-236.	0.7	2
56	First-principles study of Sr adsorption on InN (0001). European Physical Journal B, 2010, 73, 75-78.	0.6	4
57	Structural and electronic properties of PbTiO ₃ /SrTiO ₃ superlattices from first principles. Physical Review B, 2010, 82, .	1.1	14
58	Surface structure of strontium titanate. Journal of Applied Physics, 2009, 105, 083526.	1.1	33
59	Atomic structure for Mg on InN(0001) surface. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 1796-1799.	0.9	9
60	Surface structure for Au on (001) SrTiO ₃ . Chemical Physics, 2009, 360, 79-84.	0.9	4
61	The adsorption of In on the surface of (001) CdTe. Physica B: Condensed Matter, 2009, 404, 3530-3533.	1.3	2
62	Structural and electronic properties of Zn on a CdTe(001) surface. Solid State Communications, 2009, 149, 982-985.	0.9	9
63	Stable structure and effects of the substrate Ti pre-treatment on the epitaxial growth of SrTiO ₃ on GaAs. Europhysics Letters, 2009, 86, 46008.	0.7	15
64	The adsorption of Be on the surface of (0001) InN. Applied Surface Science, 2008, 255, 2533-2537.	3.1	17
65	The effect of Cu on O adsorption on a ZnO(0001) surface: a first-principles study. Journal of Physics Condensed Matter, 2008, 20, 095002.	0.7	14
66	Structural properties of oxygen on InN(0001) surface. Surface Science, 2007, 601, 2161-2165.	0.8	11