

Xuetao Zhu

List of Publications by Year in descending order

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201674

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docs citations

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Existence of interfacial polaronic plasmon: A comparative study between FeSe and CoSe . <i>Physical Review B</i> , 2022, 105, .	3.2	0
2	Geometric effect of high-resolution electron energy loss spectroscopy on the identification of plasmons: An example of graphene. <i>Surface Science</i> , 2022, 721, 122067.	1.9	4
3	Tuning of the oxygen vacancies in LaCoO_3 films at the atomic scale. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	6
4	Three dimensional band-filling control of complex oxides triggered by interfacial electron transfer. <i>Nature Communications</i> , 2021, 12, 2447.	12.8	14
5	Formation of dislocations via misfit strain across interfaces in epitaxial BaTiO_3 and SrIrO_3 heterostructures. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 275003.	1.8	4
6	Collective excitations and quantum size effects on the surfaces of $\text{Pb}(111)$ films: An experimental study*. <i>Chinese Physics B</i> , 2021, 30, 077308.	1.4	0
7	Surface Fermi contours and phonon anomalies at the surface of the random alloy. <i>Journal of Physics Communications</i> , 2021, 5, 075008.	1.2	0
8	High temperature superconductivity at $\text{FeSe}/\text{LaFeO}_3$ interface. <i>Nature Communications</i> , 2021, 12, 5926.	12.8	21
9	Observation of Nodal-Line Plasmons in ZrSiS . <i>Physical Review Letters</i> , 2021, 127, 186802.	7.8	12
10	Evidence for topological semimetallicity in a chain-compound TaSe_3 . <i>Npj Quantum Materials</i> , 2020, 5, .	5.2	20
11	Superconductivity enhancement in $\text{FeSe}/\text{SrTiO}_3$: a review from the perspective of electron-phonon coupling. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 343003.	1.8	12
12	Real-space investigation of the charge density wave in VTe_2 monolayer with broken rotational and mirror symmetries. <i>Physical Review B</i> , 2020, 101, .	3.2	21
13	Topologically nontrivial interband plasmons in type-II Weyl semimetal MoTe_2 . <i>New Journal of Physics</i> , 2020, 22, 103032.	2.9	10
14	Interfacial effects on the superconducting properties of LaS_2 films on $\text{Si}(111)$. <i>Physical Review B</i> , 2019, 100, .	3.2	1
15	Atomically imaged crystal structure and normal-state properties of superconducting $\text{Ca}_{10}\text{Pt}_4\text{As}_8((\text{Fe}_{1-x}\text{Pt}_x)_2\text{As}_2)_5$. <i>Physical Review B</i> , 2019, 100, .	3.2	3
16	Role of disorder and correlations in the metal-insulator transition in ultrathin SrVO_3 films. <i>Physical Review B</i> , 2019, 100, .	3.2	17
17	Electron-phonon coupling and Kohn anomaly due to floating two-dimensional electronic bands on the surface of ZrSiS . <i>Physical Review B</i> , 2019, 100, .	3.2	5
18	Probing the Interfacial Symmetry Using Rotational Second-Harmonic Generation in Oxide Heterostructures. <i>Journal of Physical Chemistry C</i> , 2019, 123, 23000-23006.	3.1	5

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37	Realization of In ϵ Plane p ϵ n Junctions with Continuous Lattice of a Homogeneous Material. <i>Advanced Materials</i> , 2018, 30, e1802065.	21.0	17
38	Nontrivial Berry phase in magnetic BaMnSb $\times 2$ semimetal. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6256-6261.	7.1	71
39	Interface-induced multiferroism by design in complex oxide superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E5062-E5069.	7.1	42
40	Surface phases of the transition-metal dichalcogenide IrTe $_2$. <i>Physical Review B</i> , 2017, 95, .	3.2	20
41	Anomalous Acoustic Plasmon Mode from Topologically Protected States. <i>Physical Review Letters</i> , 2017, 119, 136805.	7.8	41
42	Predicting hidden bulk phases from surface phases in bilayered Sr $_3$ Ru $_2$ O $_7$. <i>Scientific Reports</i> , 2017, 7, 10265.	3.3	7
43	Misconceptions associated with the origin of charge density waves. <i>Advances in Physics: X</i> , 2017, 2, 622-640.	4.1	61
44	Superconducting transition of FeSe / SrTiO $_3$ induced by adsorption of semiconducting organic molecules. <i>Physical Review B</i> , 2017, 95, .	3.2	10
45	Manipulating the polar mismatch at the $\text{LaNiO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2017, 95, .	1.3	9
46	$\text{Doping of oxygen vacancies dictated by thermodynamics in epitaxial SrTiO}_3$ films. <i>AIP Advances</i> , 2017, 7, .	1.3	9
47	Reemergence of low-temperature nonmetallic phase of $\text{LaNiO}_3/\text{SrTiO}_3$ interface. <i>Physical Review B</i> , 2017, 95, .	2.4	5
48	Emerging single-phase state in small manganite nanodisks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 9228-9231.	7.1	18
49	Role of SrTiO_3 penetrating into thin FeSe films in the enhancement of superconductivity. <i>Physical Review B</i> , 2016, 94, .	3.2	7
50	Polar compensation at the surface of SrTiO_3 (111). <i>Physical Review B</i> , 2016, 93, .	3.2	6
51	Anomalous deep polarization in SrTiO_3 (001) interfaced with an epitaxial ultrathin manganite film. <i>Physical Review B</i> , 2016, 94, .	3.2	14
52	Hidden phases revealed at the surface of double-layered $\text{Sr}_3(\text{Ru}_{1-x}\text{Mn}_x)_2\text{O}_7$. <i>Physical Review B</i> , 2016, 94, .	3.2	7
53	Interrogating the superconductor $\text{Ca}_{10}(\text{Pt}_4\text{As}_8)(\text{Fe}_2\text{Pt}_x\text{As}_2)_5$ Layer-by-layer. <i>Scientific Reports</i> , 2016, 6, 35365.	3.3	6
54	Giant magneto-optical Raman effect in a layered transition metal compound. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 2349-2353.	7.1	24

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55	Anisotropic field-induced melting of orbital ordered structure in Pr _{0.6} Ca _{0.4} MnO ₃ . Physical Review B, 2015, 91, .	3.2	7
56	Electron-phonon coupling in a system with broken symmetry: Surface of BeO . Physical Review B, 2015, 92, .	3.2	10
57	Transition in ultrathin films of LaS_2 . Physical Review B, 2015, 92, .	3.2	80
58	High resolution electron energy loss spectroscopy with two-dimensional energy and momentum mapping. Review of Scientific Instruments, 2015, 86, 083902.	1.3	36
59	Classification of charge density waves based on their nature. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 2367-2371.	7.1	241
60	Manipulating electronic phase separation in strongly correlated oxides with an ordered array of antidots. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 9558-9562.	7.1	15
61	Oxygen-Assisted Chemical Vapor Deposition Growth of Large Single-Crystal and High-Quality Monolayer MoS ₂ . Journal of the American Chemical Society, 2015, 137, 15632-15635.	13.7	301
62	Role of Antiferromagnetic Ordering in the (1 $\bar{1}$ -2) Surface Reconstruction of Ca(Fe _{1-x} Cox) ₂ As ₂ . Physical Review Letters, 2014, 112, 077205.	7.8	7
63	Reconstructions on SrTiO ₃ (111) surface tuned by Ti/Sr deposition. Surface Science, 2013, 614, 38-45.	1.9	28
64	Tuning properties of columnar nanocomposite oxides. Applied Physics Letters, 2013, 103, 043112.	3.3	10
65	Dielectric and insulating properties of SrTiO ₃ /Si heterostructure controlled by cation concentration. Science China: Physics, Mechanics and Astronomy, 2013, 56, 2404-2409.	5.1	2
66	SURFACES OF TRANSITION-METAL COMPOUNDS: THE INTERPLAY BETWEEN STRUCTURE AND FUNCTIONALITY. Single-Layer MnO_2 . Physical Review Letters, 2013, 111, 215-267.		0
67	Single-Layer MnO_2 Type Antiferromagnetism in Mn-Substituted SrRuO ₃ . Physical Review Letters, 2013, 111, 077205.	3.2	26
68	Coupled structural and magnetic antiphase domain walls on BaFe ₂ As ₂ . Physical Review B, 2012, 86, .	3.2	12
69	Electron-Phonon Coupling on the Surface of the Topological Insulator Bi_2Te_3 from Surface-Phonon Dispersion Measurements. Physical Review Letters, 2012, 108, 185501.	7.8	127
70	Interaction of Phonons and Dirac Fermions on the Surface of Bi_2Te_3 . Physical Review Letters, 2011, 107, 186102.	7.8	86
71	A Strong Kohn Anomaly. Physical Review Letters, 2011, 107, 186102.	3.2	66
72	Foundations of Plasmonics. Advances in Physics, 2011, 60, 799-898.	14.4	121

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73	Temperature-dependent anomalies in the structure of the (001) surface of LiCu ₂ O ₂ . Surface Science, 2011, 605, 376-382. Structure-property coupling in Sr	1.9	6

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#	ARTICLE	IF	CITATIONS
91	Thermal expansion at a metal surface: A study of Mg(0001) and Be(101 $\bar{1}$ 0). Physical Review B, 2002, 66, .	3.2	22
92	Magnetic coupling in the insulating and metallic ferromagnetic La $_{1-x}$ Ca $_x$ MnO $_3$. Physical Review B, 2001, 64, .	3.2	43
93	Complex structural phase transition in a defect-populated two-dimensional system. Physical Review B, 2001, 64, .	3.2	12
94	Surface segregation and restructuring of colossal-magnetoresistant manganese perovskites La $_{0.65}$ Sr $_{0.35}$ MnO $_3$. Physical Review B, 2000, 62, R14629-R14632.	3.2	163
95	Ferromagnetism Stabilized by Lattice Distortion at the Surface of the p-Wave Superconductor Sr $_2$ RuO $_4$. Science, 2000, 289, 746-748.	12.6	211
96	Surface Charge Ordering Transition: Γ_2 Phase of Sn/Ge(111). Physical Review Letters, 1997, 79, 2859-2862.	7.8	219
97	Anisotropic Two-Dimensional Friedel Oscillations. Physical Review Letters, 1997, 79, 265-268.	7.8	93