

Yang Zhang

List of Publications by Year in descending order

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papers

994
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times ranked

1196
citing authors

#	ARTICLE	IF	CITATIONS
1	Type-II Multiferroic $\text{Hf}_2\text{VC}_2\text{F}_2$ MXene Monolayer with High Transition Temperature. <i>Journal of the American Chemical Society</i> , 2018, 140, 9768-9773.	6.6	179
2	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. <i>Science Advances</i> , 2019, 5, eaav3780.	4.7	157
3	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. <i>Physical Review Letters</i> , 2019, 123, 067601.	2.9	52
4	Direct observation of ferroelectricity in $\text{Ca}_3\text{Mn}_2\text{O}_7$ and its prominent light absorption. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	51
5	Sequential structural and antiferromagnetic transitions in BaFe_2As_2 under pressure. <i>Physical Review B</i> , 2018, 97.		
6	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders $\text{A}_x\text{Fe}_{1-x}\text{As}_2$.		

#	ARTICLE	IF	CITATIONS
19	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. Physical Review Materials, 2017, 1, .	0.9	15
20	Noncollinear ferrielectricity and morphotropic phase boundary in monolayer GeS. Physical Review B, 2021, 103, .	1.1	14
21	Origin of insulating Ferromagnetism in Iron Oxychalcogenide CeO_2 . Physical Review Letters, 2021, 127, 077204.	1.1	14
22	Origin of the magnetic and orbital ordering in Sr_2CrO_4 . Physical Review B, 2021, 103, .	1.1	13
23	Orbital-selective Peierls phase in the metallic dimerized chain MoOCl_2 . Physical Review B, 2021, 104, .	1.1	13
24	Protective layer enhanced the stability and superconductivity of tailored antimonene bilayer. Physical Review Materials, 2018, 2, .	0.9	13
25	Orbital ordering in the layered perovskite material CsVF_4 . Physical Review Materials, 2021, 5, .	0.9	11
26	Magnetic states of the quasi-one-dimensional iron chalcogenide BaFeO_2 . Physical Review B, 2021, 104, .	1.1	10
27	Direct visualization of irreducible ferrielectricity in crystals. Npj Quantum Materials, 2020, 5, .	1.8	9
28	Antiferromagnetism of Double Molybdate $\text{LiFe}(\text{MoO}_4)_2$. Inorganic Chemistry, 2020, 59, 8127-8133.	1.9	8
29	New iron-based multiferroics with improper ferroelectricity. Journal Physics D: Applied Physics, 2018, 51, 243002.	1.3	7
30	Block antiferromagnetism and possible ferroelectricity in KFe_2Se_2 . Physica Status Solidi - Rapid Research Letters, 2016, 10, 757-761.	1.2	6
31	Electronic and magnetic properties of quasi-one-dimensional osmium halide OsCl_4 . Applied Physics Letters, 2022, 120, 023101.	1.5	6
32	Strongly anisotropic electronic and magnetic structures in oxide dichlorides RuOCl_2 and OsOCl_2 . Physical Review B, 2022, 105, .	1.1	6
33	Possible ferrimagnetism and ferroelectricity of half-substituted rare-earth titanate: A first-principles study on $\text{Y}_{0.5}\text{La}_{0.5}\text{TiO}_3$. Frontiers of Physics, 2016, 11, 1.	2.4	5
34	Prediction of orbital-selective Mott phases and block magnetic states in the quasi-one-dimensional iron chain CeO_2 under hole and electron doping. Physical Review B, 2022, 105, .	1.1	5
35	Magnetic and electronic properties of LaM_3O_7 and possible polaron formation in hole-doped LaM_3O_7 ($M = \text{Ru}$ and Os). Journal of Physics Condensed Matter, 2017, 29, 095803.	1.1	2
36	Electronic structure, magnetic properties, and pairing tendencies of the copper-based honeycomb lattice Na_2CuO_2 . Physical Review B, 2022, 105, .	1.1	0