

Yang Zhang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

512
citations

13
h-index

22
g-index

36
ext. papers

781
ext. citations

4.2
avg, IF

4.19
L-index

#	Paper	IF	Citations
32	Type-II Multiferroic HfVCF MXene Monolayer with High Transition Temperature. <i>Journal of the American Chemical Society</i> , 2018 , 140, 9768-9773	16.4	105
31	Origin of giant negative piezoelectricity in a layered van der Waals ferroelectric. <i>Science Advances</i> , 2019 , 5, eaav3780	14.3	74
30	Direct observation of ferroelectricity in Ca ₃ Mn ₂ O ₇ and its prominent light absorption. <i>Applied Physics Letters</i> , 2018 , 113, 022902	3.4	35
29	Pressure-driven phase transition from antiferromagnetic semiconductor to nonmagnetic metal in the two-leg ladders AFe ₂ X ₃ (A=Ba,K; X=S,Se). <i>Physical Review B</i> , 2017 , 95,	3.3	31
28	Frustrated Dipole Order Induces Noncollinear Proper Ferrielectricity in Two Dimensions. <i>Physical Review Letters</i> , 2019 , 123, 067601	7.4	30
27	Sequential structural and antiferromagnetic transitions in BaFe ₂ Se ₃ under pressure. <i>Physical Review B</i> , 2018 , 97,	3.3	27
26	Tuning Magnetism in Layered Magnet VI ₃ : A Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30545-30550	3.8	23
25	Appearance and disappearance of ferromagnetism in ultrathin LaMnO ₃ on SrTiO ₃ substrate: A viewpoint from first principles. <i>Physical Review B</i> , 2017 , 96,	3.3	19
24	Similarities and differences between nickelate and cuprate films grown on a SrTiO ₃ substrate. <i>Physical Review B</i> , 2020 , 102,	3.3	18
23	First-principles study of the low-temperature charge density wave phase in the quasi-one-dimensional Weyl chiral compound (TaSe ₄) ₂ I. <i>Physical Review B</i> , 2020 , 101,	3.3	15
22	Cycloidal magnetism driven ferroelectricity in double tungstate LiFe(WO ₄) ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	14
21	Electronic Transport Evidence for Topological Nodal-Line Semimetals of ZrGeSe Single Crystals. <i>ACS Applied Electronic Materials</i> , 2019 , 1, 869-876	4	13
20	Ferroelectric ferrimagnetic LiFe ₂ F ₆ : Charge-ordering-mediated magnetoelectricity. <i>Physical Review Materials</i> , 2017 , 1,	3.2	13
19	Magnetic states of iron-based two-leg ladder tellurides. <i>Physical Review B</i> , 2019 , 100,	3.3	13
18	Exchange striction driven magnetodielectric effect and potential photovoltaic effect in polar CaOFeS. <i>Physical Review Materials</i> , 2017 , 1,	3.2	11
17	Iron telluride ladder compounds: Predicting the structural and magnetic properties of BaFe ₂ Te ₃ . <i>Physical Review B</i> , 2020 , 101,	3.3	10
16	Quasi-one-dimensional ferroelectricity and piezoelectricity in WO _X halogens. <i>Physical Review Materials</i> , 2019 , 3,	3.2	9

15	Peierls transition, ferroelectricity, and spin-singlet formation in monolayer VOI ₂ . <i>Physical Review B</i> , 2021 , 103,	3-3	9
14	Antiferromagnetism of Double Molybdate LiFe(MoO). <i>Inorganic Chemistry</i> , 2020 , 59, 8127-8133	5-1	5
13	Block antiferromagnetism and possible ferroelectricity in KFe ₂ Se ₂ . <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 757-761	2-5	5
12	Possible ferrimagnetism and ferroelectricity of half-substituted rare-earth titanate: A first-principles study on Y _{0.5} La _{0.5} TiO ₃ . <i>Frontiers of Physics</i> , 2016 , 11, 1	3-7	4
11	New iron-based multiferroics with improper ferroelectricity. <i>Journal Physics D: Applied Physics</i> , 2018 , 51, 243002	3	4
10	Protective layer enhanced the stability and superconductivity of tailored antimonene bilayer. <i>Physical Review Materials</i> , 2018 , 2,	3-2	4
9	Noncollinear ferrielectricity and morphotropic phase boundary in monolayer GeS. <i>Physical Review B</i> , 2021 , 103,	3-3	4
8	Origin of the magnetic and orbital ordering in Br ₂ CrO ₄ . <i>Physical Review B</i> , 2021 , 103,	3-3	4
7	Orbital ordering in the layered perovskite material CsVF ₄ . <i>Physical Review Materials</i> , 2021 , 5,	3-2	3
6	Direct visualization of irreducible ferrielectricity in crystals. <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
5	Orbital-selective Peierls phase in the metallic dimerized chain MoOCl ₂ . <i>Physical Review B</i> , 2021 , 104,	3-3	3
4	Origin of Insulating Ferromagnetism in Iron Oxychalcogenide Ce ₂ O ₂ FeSe ₂ . <i>Physical Review Letters</i> , 2021 , 127, 077204	7-4	2
3	Magnetic states of the quasi-one-dimensional iron chalcogenide Ba ₂ FeS ₃ . <i>Physical Review B</i> , 2021 , 104,	3-3	1
2	Electronic and magnetic properties of quasi-one-dimensional osmium halide OsCl ₄ . <i>Applied Physics Letters</i> , 2022 , 120, 023101	3-4	0
1	Magnetic and electronic properties of La MO and possible polaron formation in hole-doped La MO (M = Ru and Os). <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 095803	1-8	