

Shunbo Hu

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

458
citations

623734

14
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

844
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive first-principle study of borophene-based nano gas sensor with gold electrodes. <i>Frontiers of Physics</i> , 2022, 17, 1.	5.0	7
2	Accurate Band Offset Prediction of $\text{Sc}_2\text{O}_3/\text{GaN}$ and $\text{Al}_2\text{O}_3/\text{GaN}$ Heterojunctions Using a Dielectric-Dependent Hybrid Functional. <i>ACS Applied Electronic Materials</i> , 2022, 4, 2747-2752.	4.3	2
3	Improving Symbolic Regression for Predicting Materials Properties with Iterative Variable Selection. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4945-4951.	5.3	11
4	Intrinsic multiferroic MnOF monolayer with room-temperature ferromagnetism. <i>Materials Today Physics</i> , 2022, 27, 100775.	6.0	6
5	Tunable Magnetism and Insulator-Metal Transition in Bilayer Perovskites. <i>Journal of Physical Chemistry C</i> , 2021, 125, 6157-6162.	3.1	6
6	Predicting the structural, electronic and magnetic properties of few atomic-layer polar perovskite. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 5578-5582.	2.8	8
7	Persistent Spin-texture and Ferroelectric Polarization in 2D Hybrid Perovskite Benzylammonium Lead-halide. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5177-5183.	4.6	34
8	Pressure-induced reversible framework rearrangement and increased polarization in the polar $[\text{NH}_4][\text{Cd}(\text{HCOO})_3]$ hybrid perovskite. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2379-2386.	6.0	9
9	Viewpoint: Atomic-Scale Design Protocols toward Energy, Electronic, Catalysis, and Sensing Applications. <i>Inorganic Chemistry</i> , 2019, 58, 14939-14980.	4.0	23
10	Interplay of electronic, magnetic, and structural properties of GdBi_2O_7 from first principles. <i>Physical Review B</i> , 2019, 100, .	3.2	19
11	Bioferroelectric Properties of Glycine Crystals. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1319-1324.	4.6	32
12	Electronic transport of organic-inorganic hybrid perovskites from first-principles and machine learning. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	16
13	One-Dimensional Organic-Inorganic Hybrid Perovskite Incorporating Near-Infrared-Absorbing Cyanine Cations. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 2438-2442.	4.6	22
14	Allotropes of tellurium from first-principles crystal structure prediction calculations under pressure. <i>RSC Advances</i> , 2018, 8, 39650-39656.	3.6	9
15	Ferroelectric polarization of hydroxyapatite from density functional theory. <i>RSC Advances</i> , 2017, 7, 21375-21379.	3.6	37
16	First-principles study of Ga-vacancy induced magnetism in Ga_2O_3 . <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 28928-28935.	2.8	17
17	Electric-Magneto-Optical Kerr Effect in a Hybrid Organic-Inorganic Perovskite. <i>Journal of the American Chemical Society</i> , 2017, 139, 12883-12886.	13.7	49
18	Dipole Order in Halide Perovskites: Polarization and Rashba Band Splittings. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23045-23054.	3.1	56

#	ARTICLE	IF	CITATIONS
19	Structural properties and strain engineering of a BeB ₂ monolayer from first-principles. RSC Advances, 2017, 7, 38410-38414.	3.6	14
20	Effect of swap disorder on the physical properties of the quaternary Heusler alloy PdMnTiAl: a first-principles study. IUCr, 2017, 4, 506-511.	2.2	19
21	Stabilisation of Fe ₂ O ₃ -rich Perovskite Nanophase in Epitaxial Rare-earth Doped BiFeO ₃ Films. Scientific Reports, 2015, 5, 13066.	3.3	9
22	Magnetic field controllable electric polarization in Y-type hexaferrite Ba _{0.5} Sr _{1.5} Co ₂ Fe ₁₂ O ₂₂ . Journal of Applied Physics, 2015, 118, .	2.5	25
23	Selected multiferroic perovskite oxides containing rare earth and transition metal elements. Science Bulletin, 2014, 59, 5170-5179.	1.7	18
24	Modeling of hysteretic behavior of the levitation force between superconductor and permanent magnet. Physica C: Superconductivity and Its Applications, 2013, 486, 17-22.	1.2	17
25	The observation and explanation of the spontaneous nucleation behavior in SmBaCuO/Ag solution. Superconductor Science and Technology, 2012, 25, 075005.	3.5	3