

Xin Zhong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8773323/publications.pdf>

Version: 2024-02-01

24
papers

473
citations

933447

10
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Above-Room-Temperature Superconductivity in Lanthanide/Actinide Extreme Superhydrides. <i>Journal of the American Chemical Society</i> , 2022, 144, 13394-13400.	13.7	33
2	Predicted Stable Structures of the Li δ -Ag System at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2021, 12, 1671-1675.	4.6	8
3	The unconventionally stoichiometric compounds in the Na δ -K system at high pressures. <i>Computational Materials Science</i> , 2021, 200, 110818.	3.0	2
4	Two-Dimensional TeB Structures with Anisotropic Carrier Mobility and Tunable Bandgap. <i>Molecules</i> , 2021, 26, 6404.	3.8	0
5	Unconventional Stoichiometries of Na δ -O Compounds at High Pressures. <i>Materials</i> , 2021, 14, 7650.	2.9	0
6	The intrinsic magnetism, quantum anomalous Hall effect and Curie temperature in 2D transition metal trihalides. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 2429-2436.	2.8	42
7	The Electric and Dielectric Properties of SrF ₂ :Tb ³⁺ Nanocrystals Revealed by AC Impedance Spectroscopy. <i>Crystals</i> , 2020, 10, 31.	2.2	0
8	Electrical Control of Magnetic Phase Transition in a Type-I Multiferroic Double-Metal Trihalide Monolayer. <i>Physical Review Letters</i> , 2020, 124, 067602.	7.8	84
9	Charge Carrier Transport Behavior and Dielectric Properties of BaF ₂ :Tb ³⁺ Nanocrystals. <i>Nanomaterials</i> , 2020, 10, 155.	4.1	0
10	Structure evolution of chromium-doped boron clusters: toward the formation of endohedral boron cages. <i>RSC Advances</i> , 2019, 9, 2870-2876.	3.6	18
11	Decomposition and Recombination of Binary Interalkali Na ₂ K at High Pressures. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 3006-3012.	4.6	10
12	Ti-fraction-induced electronic and magnetic transformations in titanium oxide films. <i>Journal of Chemical Physics</i> , 2019, 150, 154704.	3.0	2
13	π -symmetry-protected Dirac states in strain-induced hidden π bands in MoS ₂ monolayer. <i>Physical Review B</i> , 2019, 100, .		9
14	Novel high-pressure structure and superconductivity of titanium trisulfide. <i>Computational Materials Science</i> , 2019, 158, 192-196.	3.0	6
15	Crystal Structures and Electronic Properties of Oxygen-rich Titanium Oxides at High Pressure. <i>Inorganic Chemistry</i> , 2018, 57, 3254-3260.	4.0	19
16	C-O bond activation and splitting behaviours of CO ₂ on a 4H-SiC surface: a DFT study. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 26846-26852.	2.8	6
17	Ionic Transportation and Dielectric Properties of YF ₃ :Eu ³⁺ Nanocrystals. <i>Nanomaterials</i> , 2018, 8, 995.	4.1	9
18	Predicting the structure and stability of titanium oxide electrides. <i>Npj Computational Materials</i> , 2018, 4, .	8.7	25

#	ARTICLE	IF	CITATIONS
19	Effect of Tb-doped Concentration Variation on the Electrical and Dielectric Properties of CaF ₂ Nanoparticles. <i>Nanomaterials</i> , 2018, 8, 532.	4.1	10
20	The Electrical Properties of Tb-Doped CaF ₂ Nanoparticles under High Pressure. <i>Crystals</i> , 2018, 8, 98.	2.2	8
21	Monoclinic high-pressure polymorph of AlOOH predicted from first principles. <i>Physical Review B</i> , 2016, 94, .	3.2	13
22	Tellurium Hydrides at High Pressures: High-Temperature Superconductors. <i>Physical Review Letters</i> , 2016, 116, 057002.	7.8	132
23	Ten-fold coordinated polymorph and metallization of TiO ₂ under high pressure. <i>RSC Advances</i> , 2015, 5, 54253-54257.	3.6	16
24	Pressure stabilization of long-missing bare C ₆ hexagonal rings in binary sesquicarbides. <i>Chemical Science</i> , 2014, 5, 3936-3940.	7.4	21