

Jingming Shi

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

410
citations

840776

11
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

517
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of $N_3H_3Xe_3$ compound at the extreme condition of planetary interiors. Physical Review B, 2022, 105, .	3.2	5
2	Superconductivity in S-rich phases of lanthanum sulfide under high pressure. Physical Review Materials, 2022, 6, .	2.4	3
3	Formation of solid SiO_2 compound at high pressure and high temperature. Physical Review B, 2022, 106, .	2.2	1
4	Halogen molecular modifications at high pressure: the case of iodine. Physical Chemistry Chemical Physics, 2021, 23, 3321-3326.	2.8	5
5	Helium incorporation induced direct-gap silicides. Npj Computational Materials, 2021, 7, .	8.7	6
6	Superior carbon nanotube stability by molecular filling:a single-chirality study at extreme pressures. Carbon, 2021, 183, 884-892.	10.3	7
7	Superconducting hydrogen tubes in hafnium hydrides at high pressure. Physical Review B, 2021, 104, .	3.2	11
8	The intrinsic magnetism, quantum anomalous Hall effect and Curie temperature in 2D transition metal trihalides. Physical Chemistry Chemical Physics, 2020, 22, 2429-2436.	2.8	42
9	Hidden porous boron nitride as a high-efficiency membrane for hydrogen purification. Physical Chemistry Chemical Physics, 2020, 22, 22778-22784.	2.8	16
10	High-Pressure Phases and Properties of the Mg_3Sb_2 Compound. ACS Omega, 2020, 5, 31902-31907.	3.5	3
11	Formation of ammonia-helium compounds at high pressure. Nature Communications, 2020, 11, 3164.	12.8	39
12	Route to high- T_c superconductivity via CH_4 -intercalated Y_2N_3	3.2	98
13	Pressure-stabilized unconventional stoichiometric yttrium sulfides. Physical Review Research, 2020, 2, .	3.6	8
14	Prediction of strain-induced phonon-mediated superconductivity in monolayer YS. Journal of Materials Chemistry C, 2019, 7, 11184-11190.	5.5	11
15	Computational Design of Novel Hydrogen-Rich YS_2H Compounds. ACS Omega, 2019, 4, 14317-14323.	3.5	17
16	Ti-fraction-induced electronic and magnetic transformations in titanium oxide films. Journal of Chemical Physics, 2019, 150, 154704.	3.0	2
17	Prediction of superhard B_2N_3 with two-dimensional metallicity. Journal of Materials Chemistry C, 2019, 7, 4527-4532.	5.5	13
18	Prediction of pressure-induced phase transformations in Mg_3As_2 . RSC Advances, 2019, 9, 34401-34405.	3.6	2

#	ARTICLE	IF	CITATIONS
19	Effect of covalent bonding on the superconducting critical temperature of the H-S-Se system. <i>Physical Review B</i> , 2018, 98, .	3.2	54
20	Nitrogen-hydrogen-oxygen ternary phase diagram: New phases at high pressure from structural prediction. <i>Physical Review Materials</i> , 2018, 2, .	2.4	17
21	Prediction and Synthesis of a Non-Zintl Silicon Clathrate. <i>Chemistry of Materials</i> , 2016, 28, 3711-3717.	6.7	15
22	Investigation of new phases in the Ba-Si phase diagram under high pressure using ab initio structural search. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 8108-8114.	2.8	15
23	Hydrogen segregation and its roles in structural stability and metallization: silane under pressure. <i>Scientific Reports</i> , 2015, 5, 13039.	3.3	17