Zhenxian Liu

List of Publications by Year
in descending order

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12 papers	302 citations	1478505 6 h-index	1372567 10 g-index
12 all docs	12 docs citations	12 times ranked	661 citing authors

#	Article	IF	Citations
1	Isothermal pressure-derived metastable states in 2D hybrid perovskites showing enduring bandgap narrowing. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 8076-8081.	7.1	137
2	Large bandgap of pressurized trilayer graphene. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 9186-9190.	7.1	59
3	A role for subducted super-hydrated kaolinite in Earthâ€™s deep water cycle. Nature Geoscience, 2017, 10, 947-953.	12.9	47
4	Modifying Carbon Nitride through Extreme Phosphorus Substitution. , 2019, 1, 14-19.		13
5	Lattice frustration in spin-orbit Mott insulator Sr3Ir2O7 at high pressure. Npj Quantum Materials, 2019, 4, .	5.2	12
6	Thermally induced coloration of KBr at high pressures. Physical Review B, 2018, 97, .	3.2	7
7	High-pressure phase transformation of carbonate malachite Cu2(CO3)(OH)2 driven by [CuO6] regularization and [CO3] rotation. Geoscience Frontiers, 2021, 12, 965-973.	8.4	7
8	Spinâ€“Lattice Coupling Across the Magnetic Quantum-Phase Transition in Copper-Containing Coordination Polymers. Inorganic Chemistry, 2020, 59, 2127-2135.	4.0	7
9	Competing magnetostructural phases in a semiclassical system. Npj Quantum Materials, 2017, 2, .	5.2	5
10	High-pressure spectroscopic investigation of multiferroic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Ni</mml:mi><mml:mn>32</mml:mn></mml:msub></mml:mrow></mml:math> Physical Review B, 2018, 98, .	3.2	4
11	Symmetry progression and possible polar metallicity in NiPS3 under pressure. Npj 2D Materials and Applications, 2022, 6, .	7.9	4
12	Infrared and Raman Microspectroscopy of Materials Under Pressure. Microscopy and Microanalysis, 2003, 9, 1098-1099.	0.4	0