

Charles Haines

List of Publications by Year in descending order

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17
papers

270
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1040056

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docs citations

17
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS_3 . Physical Review X, 2021, 11, .	8.9	36
2	Domain wall generated polarity in ferroelastics: Results from resonance piezoelectric spectroscopy, piezoelectric force microscopy, and optical second harmonic generation measurements in LaAlO_3 with twin and tweed microstructures. Physical Review B, 2020, 102, .	3.2	11
3	Morin-type transition in 5C pyrrhotite. American Mineralogist, 2020, 105, 1404-1411.	1.9	0
4	Magnetoelastic properties and behaviour of 4C pyrrhotite, Fe_7S_8 , through the Besnus transition. Journal of Physics Condensed Matter, 2020, 32, 405401.	1.8	9
5	Quantum critical phenomena in a compressible displacive ferroelectric. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12707-12712.	7.1	12
6	Magnetoelastic coupling associated with vacancy ordering and ferrimagnetism in natural pyrrhotite, Fe_7S_8 . Journal of Physics Condensed Matter, 2020, 32, 385401.	1.8	4
7	Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators TMPS_3 . Journal of Physics Condensed Matter, 2020, 32, 124003.	1.8	33
8	Magnetoelastic coupling behavior at the ferromagnetic transition in the partially ordered double perovskite $\text{La}_2\text{NiMn}_2\text{O}_6$. Physical Review B, 2019, 100, .	3.2	12
9	Isostructural Mott transition in 2D honeycomb antiferromagnet $\text{VO}_9\text{P}_3\text{S}_3$. Npj Quantum Materials, 2019, 4, .	5.2	22
10	Temperature Chaos, Memory Effect, and Domain Fluctuations in the Spiral Antiferromagnet Dy. Scientific Reports, 2019, 9, 5076.	3.3	5
11	Pressure dependence of ferroelectric quantum critical fluctuations. Physical Review B, 2019, 100, .	3.2	7
12	Group-theoretical analysis of structural instability, vacancy ordering and magnetic transitions in the system troilite (FeS) \leftrightarrow pyrrhotite (Fe_{1-x}S). Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2019, 75, 1208-1224.	1.1	11
13	Dielectric Response of Quantum Critical Ferroelectric as a Function of Pressure. Scientific Reports, 2018, 8, 14936.	3.3	5
14	Pressure-Induced Electronic and Structural Phase Evolution in the van der Waals Compound FePS_3 . Physical Review Letters, 2018, 121, 266801.	7.8	83
15	Emergence of novel phenomena on the border of low dimensional spin and charge order. European Physical Journal B, 2018, 91, 1.	1.5	3
16	Observation of new magnetic ground state in frustrated quantum antiferromagnet spin-liquid system Cs_2CuCl_4 . Low Temperature Physics, 2017, 43, 901-904.	0.6	13
17	Complex magnetic states of the heavy fermion compound CeGe . Low Temperature Physics, 2012, 38, 651-656.	0.6	4