

Charles Haines

List of Publications by Year in descending order

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17

papers

270

citations

1040056

9

h-index

940533

16

g-index

17

all docs

17

docs citations

17

times ranked

467

citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-Induced Electronic and Structural Phase Evolution in the van der Waals Compound FePS_3 . <i>Physical Review Letters</i> , 2018, 121, 266801.	7.8	83
2	Emergent Magnetic Phases in Pressure-Tuned van der Waals Antiferromagnet FePS_3 . <i>Physical Review X</i> , 2021, 11, .	8.9	36
3	Tuning dimensionality in van-der-Waals antiferromagnetic Mott insulators FePS_3 . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 124003.	1.8	33
4	Isostructural Mott transition in 2D honeycomb antiferromagnet $\text{V}_0.9\text{PS}_3$. <i>Npj Quantum Materials</i> , 2019, 4, .	5.2	22
5	Observation of new magnetic ground state in frustrated quantum antiferromagnet spin-liquid system Cs_2CuCl_4 . <i>Low Temperature Physics</i> , 2017, 43, 901-904.	0.6	13
6	Magnetoelastic coupling behavior at the ferromagnetic transition in the partially disordered double perovskite NiMn_2O_6 . <i>Physical Review B</i> , 2019, 100, .	3.2	12
7	Quantum critical phenomena in a compressible displacive ferroelectric. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12707-12712.	7.1	12
8	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. <i>Physical Review B</i> , 2020, 102, .	3.2	11
9	Group-theoretical analysis of structural instability, vacancy ordering and magnetic transitions in the system troilite (FeS)–pyrrhotite (Fe_1-xS_x). <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2019, 75, 1208-1224.	1.1	11
10	Magnetoelastic properties and behaviour of 4C pyrrhotite, Fe_7S_8 , through the Besnus transition. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 405401.	1.8	9
11	Pressure dependence of ferroelectric quantum critical fluctuations. <i>Physical Review B</i> , 2019, 100, .	3.2	7
12	Dielectric Response of Quantum Critical Ferroelectric as a Function of Pressure. <i>Scientific Reports</i> , 2018, 8, 14936.	3.3	5
13	Temperature Chaos, Memory Effect, and Domain Fluctuations in the Spiral Antiferromagnet Dy. <i>Scientific Reports</i> , 2019, 9, 5076.	3.3	5
14	Complex magnetic states of the heavy fermion compound CeGe. <i>Low Temperature Physics</i> , 2012, 38, 651-656.	0.6	4
15	Magnetoelastic coupling associated with vacancy ordering and ferrimagnetism in natural pyrrhotite, Fe_7S_8 . <i>Journal of Physics Condensed Matter</i> , 2020, 32, 385401.	1.8	4
16	Emergence of novel phenomena on the border of low dimensional spin and charge order. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	3
17	Morin-type transition in 5C pyrrhotite. <i>American Mineralogist</i> , 2020, 105, 1404-1411.	1.9	0