Jonathan Schmidt

List of Publications by Year
in descending order

14 papers	1,879 citations	933447 10 h-index	1058476 14 g-index
14 all docs	14 docs citations	14 times ranked	2726 citing authors

#	Article	IF	Citations
1	Machine learning the derivative discontinuity of density-functional theory. Machine Learning: Science and Technology, 2022, 3, 015011.	5.0	10
2	A dataset of 175k stable and metastable materials calculated with the PBEsol and SCAN functionals. Scientific Data, 2022, 9, 64.	5.3	8
3	Machine-learning correction to density-functional crystal structure optimization. MRS Bulletin, 2022, 47, 765-771.	3.5	7
4	Superconductivity in antiperovskites. Npj Computational Materials, 2022, 8, .	8.7	11
5	A high-throughput study of oxynitride, oxyfluoride and nitrofluoride perovskites. Journal of Materials Chemistry A, 2021, 9, 8501-8513.	10.3	18
6	Machine learning universal bosonic functionals. Physical Review Research, 2021, 3, .	3.6	11
7	Crystal graph attention networks for the prediction of stable materials. Science Advances, 2021, 7, eabi7948.	10.3	37
8	Exchange-correlation functionals for band gaps of solids: benchmark, reparametrization and machine learning. Npj Computational Materials, 2020, 6, .	8.7	156
9	Recent advances and applications of machine learning in solid-state materials science. Npj Computational Materials, 2019, 5, .	8.7	1,289
10	Reduced density matrix functional theory for superconductors. Physical Review B, 2019, 99, .	3.2	18
11	Machine Learning the Physical Nonlocal Exchangeâ€“Correlation Functional of Density-Functional Theory. Journal of Physical Chemistry Letters, 2019, 10, 6425-6431.	4.6	62
12	Representability problem of density functional theory for superconductors. Physical Review B, 2019, 99, .	3.2	5
13	Predicting the stability of ternary intermetallics with density functional theory and machine learning. Journal of Chemical Physics, 2018, 148, 241728.	3.0	30
14	Predicting the Thermodynamic Stability of Solids Combining Density Functional Theory and Machine Learning. Chemistry of Materials, 2017, 29, 5090-5103.	6.7	217