Huan Tran

List of Publications by Year
in descending order

9	**311**	1307594 **7**	1474206 **9**
papers	citations	h-index	g-index
9	**9**	**9**	**315**
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer design using genetic algorithm and machine learning. Computational Materials Science, 2021, 186, 110067.	3.0	105
2	Machine learning models for the lattice thermal conductivity prediction of inorganic materials. Computational Materials Science, 2019, 170, 109155.	3.0	84
3	Polymer informatics with multi-task learning. Patterns, 2021, 2, 100238.	5.9	43
4	polyG2G: A Novel Machine Learning Algorithm Applied to the Generative Design of Polymer Dielectrics. Chemistry of Materials, 2021, 33, 7008-7016.	6.7	23
5	Dielectric Polymers Tolerant to Electric Field and Temperature Extremes: Integration of Phenomenology, Informatics, and Experimental Validation. ACS Applied Materials & Interfaces, 2021, 13, 53416-53424.	8.0	20
6	Novel high voltage polymer insulators using computational and data-driven techniques. Journal of Chemical Physics, 2021, 154, 174906.	3.0	12
7	Valence bond entanglement and fluctuations in random singlet phases. Physical Review B, 2011, 84, .	3.2	10
8	Monte Carlo simulations of interacting anyon chains. Computational Materials Science, 2010, 49, S395-S398.	3.0	7
9	Polymer Structure Predictor (PSP): A Python Toolkit for Predicting Atomic-Level Structural Models for a Range of Polymer Geometries. Journal of Chemical Theory and Computation, 2022, 18, 2737-2748.	5.3	7