Julian J Kranz

List of Publications by Year
in descending order

8 papers	319 citations	1163117 8 h-index	1588992 8 g-index
8 all docs	8 docs citations	8 times ranked	495 citing authors

#	Article	IF	Citations
1	Time-Dependent Extension of the Long-Range Corrected Density Functional Based Tight-Binding Method. Journal of Chemical Theory and Computation, 2017, 13, 1737-1747.	5.3	67
2	Parametrization and Benchmark of Long-Range Corrected DFTB2 for Organic Molecules. Journal of Chemical Theory and Computation, 2018, 14, 115-125.	5.3	60
3	Multi-Scale Approach to Non-Adiabatic Charge Transport in High-Mobility Organic Semiconductors. Journal of Chemical Theory and Computation, 2015, 11, 5068-5082.	5.3	53
4	Generalized Density-Functional Tight-Binding Repulsive Potentials from Unsupervised Machine Learning. Journal of Chemical Theory and Computation, 2018, 14, 2341-2352.	5.3	44
5	Benchmark and performance of long-range corrected time-dependent density functional tight binding (LC-TD-DFTB) on rhodopsins and light-harvesting complexes. Physical Chemistry Chemical Physics, 2020, 22, 10500-10518.	2.8	36
6	Simulation of Temperature-Dependent Charge Transport in Organic Semiconductors with Various Degrees of Disorder. Journal of Chemical Theory and Computation, 2016, 12, 3087-3096.	5.3	27
7	Simulation of Singlet Exciton Diffusion in Bulk Organic Materials. Journal of Chemical Theory and Computation, 2016, 12, 4209-4221.	5.3	22
8	Analytical Time-Dependent Long-Range Corrected Density Functional Tight Binding (TD-LC-DFTB) Gradients in DFTB+: Implementation and Benchmark for Excited-State Geometries and Transition Energies. Journal of Chemical Theory and Computation, 2021, 17, 2266-2282.	5.3	10