

Julian J Kranz

List of Publications by Year in descending order

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