Chee-Kong Lee

List of Publications by Year
in descending order

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15 papers	350 citations	933447 10 h-index	996975 15 g-index
15 all docs	15 docs citations	15 times ranked	474 citing authors

#	Article	IF	Citations
1	Excitonic energy transfer in light-harvesting complexes in purple bacteria. Journal of Chemical Physics, 2012, 136, 245104.	3.0	56
2	Coherent quantum transport in disordered systems: A unified polaron treatment of hopping and band-like transport. Journal of Chemical Physics, 2015, 142, 164103.	3.0	54
3	The Enhancement of Interfacial Exciton Dissociation by Energetic Disorder Is a Nonequilibrium Effect. ACS Central Science, 2017, 3, 1262-1270.	11.3	44
4	Quantum Diffusion on Molecular Tubes: Universal Scaling of the 1D to 2D Transition. Physical Review Letters, 2016, 116, 196803.	7.8	35
5	Deep Learning for Optoelectronic Properties of Organic Semiconductors. Journal of Physical Chemistry C, 2020, 124, 7048-7060.	3.1	35
6	Transfer learning with graph neural networks for optoelectronic properties of conjugated oligomers. Journal of Chemical Physics, 2021, 154, 024906.	3.0	28
7	Machine learning Frenkel Hamiltonian parameters to accelerate simulations of exciton dynamics. Journal of Chemical Physics, 2020, 153, 074111.	3.0	20
8	A Model of Charge-Transfer Excitons: Diffusion, Spin Dynamics, and Magnetic Field Effects. Journal of Physical Chemistry Letters, 2016, 7, 2246-2251.	4.6	18
9	Neural-network variational quantum algorithm for simulating many-body dynamics. Physical Review Research, 2021, 3, .	3.6	14
10	Unitary-coupled restricted Boltzmann machine ansatz for quantum simulations. Npj Quantum Information, 2021, 7, .	6.7	13
11	Modeling the Influence of Correlated Molecular Disorder on the Dynamics of Excitons in Organic Molecular Semiconductors. Journal of Physical Chemistry C, 2019, 123, 306-314.	3.1	11
12	Simulation of Condensed-Phase Spectroscopy with Near-Term Digital Quantum Computers. Journal of Chemical Theory and Computation, 2021, 17, 7178-7186.	5.3	8
13	Variational Quantum Simulation of Chemical Dynamics with Quantum Computers. Journal of Chemical Theory and Computation, 2022, 18, 2105-2113.	5.3	7
14	Simulating Energy Transfer in Molecular Systems with Digital Quantum Computers. Journal of Chemical Theory and Computation, 2022, 18, 1347-1358.	5.3	4
15	Representing the Molecular Signatures of Disordered Molecular Semiconductors in Size-Extendable Models of Exciton Dynamics. Journal of Physical Chemistry B, 2020, 124, 5238-5245.	2.6	3