

Liping Chen

List of Publications by Year in descending order

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22
papers

1,232
citations

394421

19
h-index

713466

21
g-index

22
all docs

22
docs citations

22
times ranked

1262
citing authors

#	ARTICLE	IF	CITATIONS
1	Stark control of electrons along nanojunctions. <i>Nature Communications</i> , 2018, 9, 2070.	12.8	32
2	When can time-dependent currents be reproduced by the Landauer steady-state approximation?. <i>Journal of Chemical Physics</i> , 2017, 146, 174101.	3.0	18
3	Understanding the Fundamental Connection Between Electronic Correlation and Decoherence. <i>Journal of Physical Chemistry Letters</i> , 2016, 7, 1616-1621.	4.6	11
4	Simple and Accurate Method for Time-Dependent Transport along Nanoscale Junctions. <i>Journal of Physical Chemistry C</i> , 2014, 118, 20009-20017.	3.1	41
5	Designing covered graphene nanoribbons with charge carrier mobility approaching that of graphene. <i>Carbon</i> , 2014, 77, 868-879.	10.3	20
6	Equilibrium excited state and emission spectra of molecular aggregates from the hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , 2013, 138, 045101.	3.0	28
7	Energy Level Alignment and Charge Carrier Mobility in Noncovalently Functionalized Graphene. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 2158-2165.	4.6	83
8	Quantized Hamiltonian dynamics captures the low-temperature regime of charge transport in molecular crystals. <i>Journal of Chemical Physics</i> , 2013, 139, 174109.	3.0	25
9	Mixed quantum-classical simulations of charge transport in organic materials: Numerical benchmark of the Su-Schrieffer-Heeger model. <i>Journal of Chemical Physics</i> , 2011, 134, 244116.	3.0	49
10	Quantum rate dynamics for proton transfer reaction in a model system: Effect of the rate promoting vibrational mode. <i>Journal of Chemical Physics</i> , 2011, 135, 044505.	3.0	27
11	Simulation of the two-dimensional electronic spectra of the Fenna-Matthews-Olson complex using the hierarchical equations of motion method. <i>Journal of Chemical Physics</i> , 2011, 134, 194508.	3.0	95
12	Two-dimensional electronic spectra from the hierarchical equations of motion method: Application to model dimers. <i>Journal of Chemical Physics</i> , 2010, 132, 024505.	3.0	64
13	Communications: A nonperturbative quantum master equation approach to charge carrier transport in organic molecular crystals. <i>Journal of Chemical Physics</i> , 2010, 132, 081101.	3.0	40
14	Multiscale study of charge mobility of organic semiconductor with dynamic disorders. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3309.	2.8	152
15	Optical line shapes of molecular aggregates: Hierarchical equations of motion method. <i>Journal of Chemical Physics</i> , 2009, 131, 094502.	3.0	116
16	Quantum rate dynamics for proton transfer reactions in condensed phase: The exact hierarchical equations of motion approach. <i>Journal of Chemical Physics</i> , 2009, 130, 134505.	3.0	34
17	Efficient hierarchical Liouville space propagator to quantum dissipative dynamics. <i>Journal of Chemical Physics</i> , 2009, 130, 084105.	3.0	215
18	Electron transfer dynamics: Zusman equation versus exact theory. <i>Journal of Chemical Physics</i> , 2009, 130, 164518.	3.0	76

#	ARTICLE	IF	CITATIONS
19	The effects of pyridine derivative additives on interface processes at nanocrystalline TiO ₂ thin film in dye-sensitized solar cells. <i>Surface and Interface Analysis</i> , 2007, 39, 809-816.	1.8	45
20	Singlet-Triplet Splittings and Their Relevance to the Spin-Dependent Exciton Formation in Light-Emitting Polymers: An EOM/CCSD Study. <i>Journal of Physical Chemistry A</i> , 2006, 110, 13349-13354.	2.5	27
21	Field Effect on the Singlet and Triplet Exciton Formation in Organic/Polymeric Light-Emitting Diodes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9608-9613.	2.6	34
22	Theoretical Investigation of the Spin-Dependent Exciton Formation Rates in Polymeric Light-Emitting Diodes. <i>Journal of the Chinese Chemical Society</i> , 2003, 50, 691-702.	1.4	0