

Liping Chen

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/11194659/publications.pdf>

Version: 2024-02-01

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	Efficient hierarchical Liouville space propagator to quantum dissipative dynamics. Journal of Chemical Physics, 2009, 130, 084105.	3.0	215
2	Multiscale study of charge mobility of organic semiconductor with dynamic disorders. Physical Chemistry Chemical Physics, 2010, 12, 3309.	2.8	152
3	Optical line shapes of molecular aggregates: Hierarchical equations of motion method. Journal of Chemical Physics, 2009, 131, 094502.	3.0	116
4	Simulation of the two-dimensional electronic spectra of the Fenna-Matthews-Olson complex using the hierarchical equations of motion method. Journal of Chemical Physics, 2011, 134, 194508.	3.0	95
5	Energy Level Alignment and Charge Carrier Mobility in Noncovalently Functionalized Graphene. Journal of Physical Chemistry Letters, 2013, 4, 2158-2165.	4.6	83
6	Electron transfer dynamics: Zusman equation versus exact theory. Journal of Chemical Physics, 2009, 130, 164518.	3.0	76
7	Two-dimensional electronic spectra from the hierarchical equations of motion method: Application to model dimers. Journal of Chemical Physics, 2010, 132, 024505.	3.0	64
8	Mixed quantum-classical simulations of charge transport in organic materials: Numerical benchmark of the Su-Schrieffer-Heeger model. Journal of Chemical Physics, 2011, 134, 244116.	3.0	49
9	The effects of pyridine derivative additives on interface processes at nanocrystalline TiO ₂ thin film in dye-sensitized solar cells. Surface and Interface Analysis, 2007, 39, 809-816.	1.8	45
10	Simple and Accurate Method for Time-Dependent Transport along Nanoscale Junctions. Journal of Physical Chemistry C, 2014, 118, 20009-20017.	3.1	41
11	Communications: A nonperturbative quantum master equation approach to charge carrier transport in organic molecular crystals. Journal of Chemical Physics, 2010, 132, 081101.	3.0	40
12	Field Effect on the Singlet and Triplet Exciton Formation in Organic/Polymeric Light-Emitting Diodes. Journal of Physical Chemistry B, 2004, 108, 9608-9613.	2.6	34
13	Quantum rate dynamics for proton transfer reactions in condensed phase: The exact hierarchical equations of motion approach. Journal of Chemical Physics, 2009, 130, 134505.	3.0	34
14	Stark control of electrons along nanojunctions. Nature Communications, 2018, 9, 2070.	12.8	32
15	Equilibrium excited state and emission spectra of molecular aggregates from the hierarchical equations of motion approach. Journal of Chemical Physics, 2013, 138, 045101.	3.0	28
16	Singlet-Triplet Splittings and Their Relevance to the Spin-Dependent Exciton Formation in Light-Emitting Polymers: An EOM/CCSD Study. Journal of Physical Chemistry A, 2006, 110, 13349-13354.	2.5	27
17	Quantum rate dynamics for proton transfer reaction in a model system: Effect of the rate promoting vibrational mode. Journal of Chemical Physics, 2011, 135, 044505.	3.0	27
18	Quantized Hamiltonian dynamics captures the low-temperature regime of charge transport in molecular crystals. Journal of Chemical Physics, 2013, 139, 174109.	3.0	25

#	ARTICLE	IF	CITATIONS
19	Designing covered graphene nanoribbons with charge carrier mobility approaching that of graphene. Carbon, 2014, 77, 868-879.	10.3	20
20	When can time-dependent currents be reproduced by the Landauer steady-state approximation?. Journal of Chemical Physics, 2017, 146, 174101.	3.0	18
21	Understanding the Fundamental Connection Between Electronic Correlation and Decoherence. Journal of Physical Chemistry Letters, 2016, 7, 1616-1621.	4.6	11
22	Theoretical Investigation of the Spin-Dependent Exciton Formation Rates in Polymeric Light-Emitting Diodes. Journal of the Chinese Chemical Society, 2003, 50, 691-702.	1.4	0