

Junjie Liu

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

337
citations

759233

12
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

256
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermodynamic uncertainty relation in quantum thermoelectric junctions. <i>Physical Review E</i> , 2019, 99, 062141.	2.1	56
2	Loss-Free Excitonic Quantum Battery. <i>Journal of Physical Chemistry C</i> , 2019, 123, 18303-18314.	3.1	38
3	Energy transfer in the nonequilibrium spin-boson model: From weak to strong coupling. <i>Physical Review E</i> , 2017, 96, 012135.	2.1	31
4	Coherences and the thermodynamic uncertainty relation: Insights from quantum absorption refrigerators. <i>Physical Review E</i> , 2021, 103, 032138.	2.1	25
5	Efficient and Deterministic Propagation of Mixed Quantum-Classical Liouville Dynamics. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 3928-3933.	4.6	23
6	Periodically Driven Quantum Thermal Machines from Warming up to Limit Cycle. <i>Physical Review Letters</i> , 2021, 127, 200602.	7.8	23
7	Renormalized phonons in nonlinear lattices: A variational approach. <i>Physical Review E</i> , 2015, 91, 042910.	2.1	19
8	A Nonequilibrium Variational Polaron Theory to Study Quantum Heat Transport. <i>Journal of Physical Chemistry C</i> , 2019, 123, 17196-17204.	3.1	17
9	Generalized input-output method to quantum transport junctions. I. General formulation. <i>Physical Review B</i> , 2020, 101, .	3.2	16
10	Frequency-dependent current noise in quantum heat transfer: A unified polaron calculation. <i>Journal of Chemical Physics</i> , 2018, 148, 234104.	3.0	15
11	Heat transfer statistics in mixed quantum-classical systems. <i>Journal of Chemical Physics</i> , 2018, 149, 224104.	3.0	14
12	Unusual Transport Properties with Noncommutative Systemâ€™s Bath Coupling Operators. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 4080-4085.	4.6	13
13	Generalized input-output method to quantum transport junctions. II. Applications. <i>Physical Review B</i> , 2020, 101, .	3.2	12
14	Sharp Negative Differential Resistance from Vibrational Mode Softening in Molecular Junctions. <i>Nano Letters</i> , 2020, 20, 6128-6134.	9.1	10
15	Greenâ€™s functions for spin boson systems: Beyond conventional perturbation theories. <i>Chemical Physics</i> , 2016, 481, 42-53.	1.9	9
16	Hybrid quantum-classical simulation of quantum speed limits in open quantum systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2019, 52, 215301.	2.1	6
17	Interplay of Direct and Indirect Charge-Transfer Pathways in Donorâ€™s Bridgeâ€™s Acceptor Systems. <i>Journal of Physical Chemistry B</i> , 2019, 123, 6099-6110.	2.6	5
18	Quantum nondemolition photon counting with a hybrid electromechanical probe. <i>Physical Review A</i> , 2020, 102, .	2.5	4

#	ARTICLE	IF	CITATIONS
19	Dissipation engineering of nonreciprocal quantum dot circuits: An input-output approach. Physical Review B, 2020, 102, .	3.2	1
20	Reply to the "Comment on "Loss-Free Excitonic Quantum Battery"™". Journal of Physical Chemistry C, 2021, 125, 7521-7522.	3.1	0