Juzar Thingna

List of Publications by Year
in descending order

34	778	567281 15	501196 28
papers	citations	h-index	g-index

34	34	34	687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nonequilibrium Greenâ€™s function method for quantum thermal transport. Frontiers of Physics, 2014, 9, 673-697.	5.0	158
2	Effective Floquetâ€“Gibbs states for dissipative quantum systems. New Journal of Physics, 2016, 18, 053008.	2.9	55
3	Generalized Gibbs state with modified Redfield solution: Exact agreement up to second order. Journal of Chemical Physics, 2012, 136, 194110.	3.0	47
4	Collective Power: Minimal Model for Thermodynamics of Nonequilibrium Phase Transitions. Physical Review X, 2018, 8, .	8.9	47
5	Reduced density matrix for nonequilibrium steady states: A modified Redfield solution approach. Physical Review E, 2013, 88, 052127.	2.1	44
6	Dynamical signatures of molecular symmetries in nonequilibrium quantum transport. Scientific Reports, 2016, 6, 28027.	3.3	43
7	Steady-state thermal transport in anharmonic systems: Application to molecular junctions. Physical Review B, 2012, 85, .	3.2	36
8	Boosting thermoelectric efficiency using time-dependent control. Scientific Reports, 2015, 5, 14870.	3.3	32
9	Improved Dyson series expansion for steady-state quantum transport beyond the weak coupling limit: Divergences and resolution. Journal of Chemical Physics, 2014, 141, 194101.	3.0	28
10	Many-body open quantum systems beyond Lindblad master equations. Physical Review A, 2019, 99, .	2.5	28
11	Nonlinearity enhanced interfacial thermal conductance and rectification. Europhysics Letters, 2013, 103, 64002.	2.0	26
12	Thermoelectric transport through a quantum nanoelectromechanical system and its backaction. Physical Review B, 2015, 91, .	3.2	18
13	Quantum thermal transport through anharmonic systems: A self-consistent approach. Physical Review B, 2016, 94, .	3.2	17
14	Monitoring Quantum Otto Engines. PRX Quantum, 2021, 2, .	9.2	17
15	Kinetics and thermodynamics of a driven open quantum system. Physical Review E, 2017, 96, 052132.	2.1	16
16	Finite coupling effects in double quantum dots near equilibrium. Physical Review B, 2017, 95, .	3.2	15
17	Interfacial thermal transport with strong system-bath coupling: A phonon delocalization effect. Physical Review B, 2018, 97, .	3.2	15
18	Single molecule and multiple bond characterization of catch bond associated cytoadhesion in malaria. Scientific Reports, 2017, 7, 4208.	3.3	14

#	Article	IF	Citations
19	Landau-Zener Lindblad equation and work extraction from coherences. Physical Review E, 2019, 99, 042142.	2.1	13
20	Thermodynamics of energy, charge, and spin currents in a thermoelectric quantum-dot spin valve. Physical Review B, 2018, 97, .	3.2	12
21	Degenerated Liouvillians and steady-state reduced density matrices. Chaos, 2021, 31, 073114.	2.5	12
22	Spin rectification in thermally driven XXZ spin chain via the spin-Seebeck effect. Europhysics Letters, 2013, 104, 37006.	2.0	11
23	Photo-absorption spectra of small hydrogenated silicon clusters using the time-dependent density functional theory. Journal of Physics and Chemistry of Solids, 2011, 72, 1096-1100.	4.0	10
24	Magnetic field induced symmetry breaking in nonequilibrium quantum networks. New Journal of Physics, 2020, 22, 083026.	2.9	10
25	Geometric quantum pumping in the presence of dissipation. Physical Review B, 2014, 90, .	3.2	9
26	Quantum measurements of sums. Physical Review A, 2020, 102, .	2.5	8
27	Temperature-Induced Catch-Slip to Slip Bond Transit in Plasmodium falciparum-Infected Erythrocytes. Biophysical Journal, 2020, 118, 105-116.	0.5	7
28	Stochastic thermodynamics of inertial-like Stuartâ€“Landau dimer. New Journal of Physics, 2021, 23, 105005.	2.9	7
29	Geometrical effects on spin injection: 3D spin drift diffusion model. Journal of Applied Physics, 2011, 109, 124303.	2.5	6
30	Comment on â€œLoss-Free Excitonic Quantum Batteryâ€• Journal of Physical Chemistry C, 2021, 125, 7518-7520.	3.1	5
31	Edge mode bifurcations of two-dimensional topological lasers. Optics Letters, 2020, 45, 3673.	3.3	5
32	Quasi-stationary states of game-driven systems: A dynamical approach. Chaos, 2020, 30, 123145.	2.5	4
33	Floquet engineering of Lie algebraic quantum systems. Physical Review B, 2022, 105, .	3.2	2
34	Quantum transient heat transport in the hyperparametric oscillator. Physical Review A, 2021, 104, .	2.5	1