

Marcus V S BonanÃ§a

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Fluctuation theorem for irreversible entropy production in electrical conduction. <i>Physical Review E</i> , 2022, 105, L012105.	2.1	4
2	Series Expansion of the Excess Work Using Nonlinear Response Theory. <i>Journal of Statistical Physics</i> , 2022, 186, 1.	1.2	1
3	Three phases of quantum annealing: Fast, slow, and very slow. <i>Physical Review A</i> , 2022, 105, .	2.5	6
4	Kibbleâ€™Zurek Scaling from Linear Response Theory. <i>Entropy</i> , 2022, 24, 666.	2.2	4
5	Assessing the performance of quantum annealing with nonlinear driving. <i>Physical Review A</i> , 2022, 105, .	2.5	5
6	Negative entropy production rates in Drude-Sommerfeld metals. <i>Physical Review E</i> , 2021, 103, 012109.	2.1	7
7	Thermodynamic control â€™An old paradigm with new applications. <i>Europhysics Letters</i> , 2020, 131, 20001.	2.0	51
8	Compatibility of linear-response theory with the second law of thermodynamics and the emergence of negative entropy production rates. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 013206.	2.3	13
9	Verification of finite bath fluctuation theorem for a non-ergodic system. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2020, 53, 345002.	2.1	2
10	Energy extraction of a chaotic system in a cyclic process: a SzilÃ¡rd engine perspective. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 083210.	2.3	1
11	Approaching Carnot efficiency at maximum power in linear response regime. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 123203.	2.3	17
12	Minimal dissipation in processes far from equilibrium. <i>Physical Review E</i> , 2018, 98, .	2.1	24
13	Microcanonical SzilÃ¡rd engines beyond the quasistatic regime. <i>Physical Review E</i> , 2017, 96, 062117.	2.1	2
14	Conditional reversibility in nonequilibrium stochastic systems. <i>Physical Review E</i> , 2016, 93, 022101.	2.1	7
15	Non-Monotonic Behavior of the Thermodynamic Work as a Function of Switching Time. <i>Brazilian Journal of Physics</i> , 2016, 46, 248-253.	1.4	5
16	Shortcuts to adiabaticity from linear response theory. <i>Physical Review E</i> , 2015, 92, 042148.	2.1	46
17	Degenerate optimal paths in thermally isolated systems. <i>Physical Review E</i> , 2015, 91, 042141.	2.1	25
18	Optimal driving of isothermal processes close to equilibrium. <i>Journal of Chemical Physics</i> , 2014, 140, 244119.	3.0	66

#	ARTICLE	IF	CITATIONS
19	Relaxation in finite and isolated classical systems: An extension of Onsager's regression hypothesis. Physical Review E, 2012, 85, 031122.	2.1	2
20	Lyapunov decoherence rate in classically chaotic systems. Physical Review E, 2011, 83, 046214.	2.1	10
21	Fluctuation-dissipation theorem for the microcanonical ensemble. Physical Review E, 2008, 78, 031107.	2.1	5
22	Classical dissipation and asymptotic equilibrium via interaction with chaotic systems. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 333-350.	2.6	13
23	Quantum dissipation and decoherence via interaction with low-dimensional chaos: A Feynman-Vernon approach. Physical Review A, 2006, 74, .	2.5	6