Marcus V S BonanÃ§a

List of Publications by Year
in descending order

23	322	1040056 9	839539 18
papers	citations	h-index	g-index

23	23	23	203
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optimal driving of isothermal processes close to equilibrium. Journal of Chemical Physics, 2014, 140, 244119.	3.0	66
2	Thermodynamic control â€"An old paradigm with new applications. Europhysics Letters, 2020, 131, 20001.	2.0	51
3	Shortcuts to adiabaticity from linear response theory. Physical Review E, 2015, 92, 042148.	2.1	46
4	Degenerate optimal paths in thermally isolated systems. Physical Review E, 2015, 91, 042141.	2.1	25
5	Minimal dissipation in processes far from equilibrium. Physical Review E, 2018, 98, .	2.1	24
6	Approaching Carnot efficiency at maximum power in linear response regime. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 123203.	2.3	17
7	Classical dissipation and asymptotic equilibrium via interaction with chaotic systems. Physica A: Statistical Mechanics and Its Applications, 2006, 365, 333-350.	2.6	13
8	Compatibility of linear-response theory with the second law of thermodynamics and the emergence of negative entropy production rates. Journal of Statistical Mechanics: Theory and Experiment, 2020, 2020, 013206.	2.3	13
9	Lyapunov decoherence rate in classically chaotic systems. Physical Review E, 2011, 83, 046214.	2.1	10
10	Conditional reversibility in nonequilibrium stochastic systems. Physical Review E, 2016, 93, 022101.	2.1	7
11	Negative entropy production rates in Drude-Sommerfeld metals. Physical Review E, 2021, 103, 012109.	2.1	7
12	Quantum dissipation and decoherence via interaction with low-dimensional chaos: A Feynman-Vernon approach. Physical Review A, 2006, 74, .	2.5	6
13	Three phases of quantum annealing: Fast, slow, and very slow. Physical Review A, 2022, 105, .	2.5	6
14	Fluctuation-dissipation theorem for the microcanonical ensemble. Physical Review E, 2008, 78, 031107.	2.1	5
15	Non-Monotonic Behavior of the Thermodynamic Work as a Function of Switching Time. Brazilian Journal of Physics, 2016, 46, 248-253.	1.4	5
16	Assessing the performance of quantum annealing with nonlinear driving. Physical Review A, 2022, 105, .	2.5	5
17	Fluctuation theorem for irreversible entropy production in electrical conduction. Physical Review E, 2022, 105, L012105.	2.1	4
18	Kibbleâ€"Zurek Scaling from Linear Response Theory. Entropy, 2022, 24, 666.	2.2	4

#	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	Microcanonical SzilÃ¡rd engines beyond the quasistatic regime. Physical Review E, 2017, 96, 062117.	2.1	2
21	Verification of finite bath fluctuation theorem for a non-ergodic system. Journal of Physics A: Mathematical and Theoretical, 2020, 53, 345002.	2.1	2
22	Energy extraction of a chaotic system in a cyclic process: a SzilÃ¡rd engine perspective. Journal of Statistical Mechanics: Theory and Experiment, 2019, 2019, 083210.	2.3	1
23	Series Expansion of the Excess Work Using Nonlinear Response Theory. Journal of Statistical Physics, 2022, 186, 1.	1.2	1