

Michele Campisi

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6279651/michele-campisi-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

68

papers

2,856

citations

24

h-index

53

g-index

73

ext. papers

3,402

ext. citations

4.1

avg, IF

5.86

L-index

#	Paper	IF	Citations
68	Colloquium: Quantum fluctuation relations: Foundations and applications. <i>Reviews of Modern Physics</i> , 2011 , 83, 771-791	40.5	802
67	Fluctuation theorem for arbitrary open quantum systems. <i>Physical Review Letters</i> , 2009 , 102, 210401	7.4	236
66	The power of a critical heat engine. <i>Nature Communications</i> , 2016 , 7, 11895	17.4	157
65	Nonequilibrium fluctuations in quantum heat engines: theory, example, and possible solid state experiments. <i>New Journal of Physics</i> , 2015 , 17, 035012	2.9	124
64	High-Power Collective Charging of a Solid-State Quantum Battery. <i>Physical Review Letters</i> , 2018 , 120, 117702	7.4	110
63	Fluctuation theorems in driven open quantum systems. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2009 , 2009, P02025	1.9	101
62	Fluctuation theorems for continuously monitored quantum fluxes. <i>Physical Review Letters</i> , 2010 , 105, 140601	7.4	94
61	Extractable Work, the Role of Correlations, and Asymptotic Freedom in Quantum Batteries. <i>Physical Review Letters</i> , 2019 , 122, 047702	7.4	79
60	Influence of measurements on the statistics of work performed on a quantum system. <i>Physical Review E</i> , 2011 , 83, 041114	2.4	57
59	Assessing the Nonequilibrium Thermodynamics in a Quenched Quantum Many-Body System via Single Projective Measurements. <i>Physical Review X</i> , 2014 , 4,	9.1	55
58	Thermodynamics of quantum information scrambling. <i>Physical Review E</i> , 2017 , 95, 062127	2.4	48
57	Quantum Measurement Cooling. <i>Physical Review Letters</i> , 2019 , 122, 070603	7.4	47
56	Fluctuation relation for quantum heat engines and refrigerators. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 245001	2	46
55	Employing circuit QED to measure non-equilibrium work fluctuations. <i>New Journal of Physics</i> , 2013 , 15, 105028	2.9	44
54	Construction of microcanonical entropy on thermodynamic pillars. <i>Physical Review E</i> , 2015 , 91, 052147	2.4	42
53	On the mechanical foundations of thermodynamics: The generalized Helmholtz theorem. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2005 , 36, 275-290	1	42
52	Quantum fluctuation theorems and generalized measurements during the force protocol. <i>Physical Review E</i> , 2014 , 89, 032114	2.4	41

51	Self-Oscillating Josephson Quantum Heat Engine. <i>Physical Review Applied</i> , 2016 , 6,	4.3	35
50	Quantum Bochkov-Kuzovlev work fluctuation theorems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2011 , 369, 291-306	3	34
49	Derivation of the Boltzmann principle. <i>American Journal of Physics</i> , 2010 , 78, 608-615	0.7	34
48	Thermodynamics and fluctuation theorems for a strongly coupled open quantum system: an exactly solvable case. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2009 , 42, 392002	2	34
47	Finite bath fluctuation theorem. <i>Physical Review E</i> , 2009 , 80, 031145	2.4	33
46	Thermodynamic anomalies in open quantum systems: Strong coupling effects in the isotropic XY model. <i>Chemical Physics</i> , 2010 , 375, 187-194	2.3	25
45	Coupled qubits as a quantum heat switch. <i>Quantum Science and Technology</i> , 2017 , 2, 044007	5.5	22
44	A soft-lithographed chaotic electrokinetic micromixer for efficient chemical reactions in lab-on-chips. <i>Journal of Micro-Nano Mechatronics</i> , 2009 , 5, 69-76		22
43	Geometric magnetism in open quantum systems. <i>Physical Review A</i> , 2012 , 86,	2.6	21
42	Fluctuation, Dissipation and the Arrow of Time. <i>Entropy</i> , 2011 , 13, 2024-2035	2.8	21
41	Statistical mechanical proof of the second law of thermodynamics based on volume entropy. <i>Studies in History and Philosophy of Science Part B - Studies in History and Philosophy of Modern Physics</i> , 2008 , 39, 181-194	1	21
40	Logarithmic oscillators: ideal Hamiltonian thermostats. <i>Physical Review Letters</i> , 2012 , 108, 250601	7.4	20
39	Dissipation, correlation and lags in heat engines. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 345002	2	19
38	Increase of Boltzmann entropy in a quantum forced harmonic oscillator. <i>Physical Review E</i> , 2008 , 78, 051123	1.3	19
37	Feedback-controlled heat transport in quantum devices: theory and solid-state experimental proposal. <i>New Journal of Physics</i> , 2017 , 19, 053027	2.9	18
36	Nonequilibrium quantum-heat statistics under stochastic projective measurements. <i>Physical Review E</i> , 2018 , 98,	2.4	17
35	Nonadiabatic single-qubit quantum Otto engine. <i>Physical Review B</i> , 2020 , 101,	3.3	16
34	Nonequilibrium work statistics of an Aharonov-Bohm flux. <i>Physical Review E</i> , 2011 , 84, 011138	2.4	16

33	ac electroosmosis in rectangular microchannels. <i>Journal of Chemical Physics</i> , 2005 , 123, 204724	3.9	16
32	Eigenstate thermalization hypothesis and quantum Jarzynski relation for pure initial states. <i>Physical Review E</i> , 2016 , 94, 012125	2.4	14
31	Thermodynamics with generalized ensembles: The class of dual orthodes. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2007 , 385, 501-517	3.3	14
30	Quantum supercapacitors. <i>Physical Review B</i> , 2019 , 100,	3.3	13
29	Quantum Hertz entropy increase in a quenched spin chain. <i>European Physical Journal B</i> , 2013 , 86, 1	1.2	13
28	Quantum fluctuation relations for ensembles of wave functions. <i>New Journal of Physics</i> , 2013 , 15, 115008	2.9	13
27	Thermodynamics of a quantum annealer. <i>Quantum Science and Technology</i> , 2020 , 5, 035013	5.5	12
26	Thermostated Hamiltonian dynamics with log oscillators. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 12829-35	3.4	12
25	Work statistics, irreversible heat and correlations build-up in joining two spin chains. <i>Physica Scripta</i> , 2015 , T165, 014023	2.6	11
24	Tsallis ensemble as an exact orthode. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 362, 11-15	2.3	11
23	On the limiting cases of nonextensive thermostatistics. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2007 , 366, 335-338	2.3	10
22	Stiffness of probability distributions of work and Jarzynski relation for non-Gibbsian initial states. <i>Physical Review E</i> , 2018 , 98, 012123	2.4	9
21	On the origin of power laws in equilibrium. <i>Europhysics Letters</i> , 2012 , 99, 60004	1.6	9
20	Complementary expressions for the entropy-from-work theorem. <i>Physical Review E</i> , 2008 , 78, 012102	2.4	8
19	Geometric quantum pumping in the presence of dissipation. <i>Physical Review B</i> , 2014 , 90,	3.3	7
18	Photonic Heat Rectification in a System of Coupled Qubits. <i>Physical Review Applied</i> , 2021 , 15,	4.3	6
17	Charging a quantum battery via nonequilibrium heat current. <i>Physical Review E</i> , 2020 , 102, 062133	2.4	5
16	Maximal energy extraction via quantum measurement. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 094003	1.9	5

15	Experimental Verification of Fluctuation Relations with a Quantum Computer. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
14	Out of equilibrium thermodynamics of quantum harmonic chains. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 104014	1.9	3
13	Campisi et al. reply. <i>Physical Review Letters</i> , 2013 , 110, 028902	7.4	3
12	Dynamic versus thermodynamic approach to non-canonical equilibrium. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2002 , 305, 89-98	3.3	3
11	Improved bound on entropy production in a quantum annealer. <i>Physical Review E</i> , 2021 , 104, L022102	2.4	3
10	Quantum resources for energy storage. <i>EPJ Web of Conferences</i> , 2020 , 230, 00003	0.3	2
9	Complex Ohmic conductance of electrolytes in rectangular microchannels. <i>Journal of Chemical Physics</i> , 2006 , 124, 144710	3.9	2
8	Experimental test of fluctuation relations for driven open quantum systems with an NV center. <i>New Journal of Physics</i> ,	2.9	2
7	Comment on "Experimental Verification of a Jarzynski-Related Information-Theoretic Equality by a Single Trapped Ion". <i>Physical Review Letters</i> , 2018 , 121, 088901	7.4	1
6	A micro flow-meter for closed-loop management of biological samples. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2005 , 2005, 5062-5		1
5	Spontaneous Fluctuation-Symmetry Breaking and the Landauer Principle. <i>Journal of Statistical Physics</i> , 2022 , 186, 1	1.5	1
4	The Canonical Ensemble. <i>SpringerBriefs in Physics</i> , 2021 , 45-55	0.6	
3	Minimal Mechanical Model of Thermodynamics. <i>SpringerBriefs in Physics</i> , 2021 , 13-25	0.6	
2	The TP Ensemble. <i>SpringerBriefs in Physics</i> , 2021 , 57-65	0.6	
1	Increase of quantum volume entropy in presence of degenerate eigenenergies. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2016 , 49, 405002		2