

Federico Carollo

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Unraveling the Large Deviation Statistics of Markovian Open Quantum Systems. <i>Physical Review Letters</i> , 2019, 122, 130605.	7.8	97
2	Discrete Time Crystals in the Absence of Manifest Symmetries or Disorder in Open Quantum Systems. <i>Physical Review Letters</i> , 2019, 122, 015701.	7.8	90
3	Making rare events typical in Markovian open quantum systems. <i>Physical Review A</i> , 2018, 98, .	2.5	67
4	Spreading of correlations in Markovian open quantum systems. <i>Physical Review B</i> , 2021, 103, .	3.2	44
5	Fluctuating hydrodynamics, current fluctuations, and hyperuniformity in boundary-driven open quantum chains. <i>Physical Review E</i> , 2017, 96, 052118.	2.1	35
6	Critical Behavior of the Quantum Contact Process in One Dimension. <i>Physical Review Letters</i> , 2019, 123, 100604.	7.8	34
7	Exponentially Accelerated Approach to Stationarity in Markovian Open Quantum Systems through the Mpemba Effect. <i>Physical Review Letters</i> , 2021, 127, 060401.	7.8	33
8	Classical stochastic discrete time crystals. <i>Physical Review E</i> , 2019, 100, 060105.	2.1	32
9	Exactness of Mean-Field Equations for Open Dicke Models with an Application to Pattern Retrieval Dynamics. <i>Physical Review Letters</i> , 2021, 126, 230601.	7.8	29
10	Nonequilibrium Quantum Many-Body Rydberg Atom Engine. <i>Physical Review Letters</i> , 2020, 124, 170602.	7.8	27
11	Large Deviations at Level 2.5 for Markovian Open Quantum Systems: Quantum Jumps and Quantum State Diffusion. <i>Journal of Statistical Physics</i> , 2021, 184, 1.	1.2	27
12	Enhancing correlation times for edge spins through dissipation. <i>Physical Review B</i> , 2018, 98, .	3.2	26
13	Quantum spin chain dissipative mean-field dynamics. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2018, 51, 325001.	2.1	21
14	Numerical simulation of critical dissipative non-equilibrium quantum systems with an absorbing state. <i>New Journal of Physics</i> , 2019, 21, 093064.	2.9	21
15	Building Continuous Time Crystals from Rare Events. <i>Physical Review Letters</i> , 2020, 125, 160601.	7.8	21
16	Dynamical Phases and Quantum Correlations in an Emitter-Waveguide System with Feedback. <i>Physical Review Letters</i> , 2021, 127, 133601.	7.8	21
17	Dissipative quasiparticle picture for quadratic Markovian open quantum systems. <i>Physical Review B</i> , 2022, 105, .	3.2	20
18	Current fluctuations in boundary-driven quantum spin chains. <i>Physical Review B</i> , 2018, 98, .	3.2	19

#	ARTICLE	IF	CITATIONS
19	Exact solution of a boundary time-crystal phase transition: Time-translation symmetry breaking and non-Markovian dynamics of correlations. <i>Physical Review A</i> , 2022, 105, .	2.5	19
20	Designing nonequilibrium states of quantum matter through stochastic resetting. <i>Physical Review B</i> , 2021, 104, .	3.2	18
21	Hydrodynamics of quantum entropies in Ising chains with linear dissipation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2022, 55, 074002.	2.1	18
22	Nonequilibrium Phase Transitions in ($\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle T_j \text{ETQq0 0 0 rgBT /Overlock 10 Letters}$, 2020, 125, 100403.	7.8	17
23	Non-markovian mesoscopic dissipative dynamics of open quantum spin chains. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2016, 380, 381-389.	2.1	15
24	Strong zero modes in a class of generalized Ising spin ladders with plaquette interactions. <i>Physical Review B</i> , 2019, 100, .	3.2	14
25	Signatures of Associative Memory Behavior in a Multimode Dicke Model. <i>Physical Review Letters</i> , 2020, 125, 070604.	7.8	14
26	Nonequilibrium Many-Body Quantum Engine Driven by Time-Translation Symmetry Breaking. <i>Physical Review Letters</i> , 2020, 125, 240602.	7.8	14
27	Trajectory phase transitions in noninteracting spin systems. <i>Physical Review E</i> , 2020, 101, 042115.	2.1	14
28	Noninteracting fermionic systems with localized losses: Exact results in the hydrodynamic limit. <i>Physical Review B</i> , 2022, 105, .	3.2	14
29	Dissipative entanglement of quantum spin fluctuations. <i>Journal of Mathematical Physics</i> , 2016, 57, 062208.	1.1	13
30	Dynamical criticality in open systems: Nonperturbative physics, microscopic origin, and direct observation. <i>Physical Review E</i> , 2018, 98, .	2.1	11
31	Machine learning time-local generators of open quantum dynamics. <i>Physical Review Research</i> , 2021, 3, .	3.6	11
32	Entanglement statistics in Markovian open quantum systems: A matter of mutation and selection. <i>Physical Review E</i> , 2020, 102, 030104.	2.1	10
33	Dissipative dynamics of quantum fluctuations. <i>Annalen Der Physik</i> , 2015, 527, 639-655.	2.4	8
34	Quantum fluctuations in mesoscopic systems. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2017, 50, 423001.	2.1	8
35	Environment induced entanglement in many-body mesoscopic systems. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 1700-1703.	2.1	7
36	Numerical simulation of quantum nonequilibrium phase transitions without finite-size effects. <i>Physical Review A</i> , 2021, 103, .	2.5	7

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37	Nonequilibrium Dark Space Phase Transition. <i>Physical Review Letters</i> , 2022, 128, 040603.	7.8	7
38	Dynamics of strongly coupled disordered dissipative spin-boson systems. <i>Physical Review Research</i> , 2020, 2, .	3.6	5
39	Quantum and Classical Temporal Correlations in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mo stretchy="false"} \langle \text{mml:mn} \langle \text{mml:mn} \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \text{Tj} \text{E} \text{.} \text{Q} \text{1} \text{1} \text{0} \text{5} \text{8} \text{4} \text{3} \text{1} \text{4} \text{g} \rangle \rangle \rangle \rangle \rangle$ Quantum Cellular Automata. <i>Physical Review Letters</i> , 2021, 127, 230502.		
40	COGAS plant as possible future alternative to the diesel engine for the propulsion of large ships. , 2011, , 603-613.		4
41	Accelerating the approach of dissipative quantum spin systems towards stationarity through global spin rotations. <i>Physical Review A</i> , 2022, 106, .	2.5	3
42	Long-Lived Mesoscopic Entanglement Between Two Damped Infinite Harmonic Chains. <i>Journal of Statistical Physics</i> , 2017, 168, 620-651.	1.2	2
43	Microscopic biasing of discrete-time quantum trajectories. <i>Quantum Science and Technology</i> , 2021, 6, 045011.	5.8	2
44	A non-Markovian Dissipative Maryland Model. <i>Open Systems and Information Dynamics</i> , 2013, 20, 1340001.	1.2	0
45	Witnessing nonclassicality through large deviations in quantum optics. <i>Physical Review Research</i> , 2020, 2, .	3.6	0
46	Inferring Markovian quantum master equations of few-body observables in interacting spin chains. <i>New Journal of Physics</i> , 0, , .	2.9	0