Federico Carollo

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5727464/publications.pdf

Version: 2024-02-01

46 papers

924 citations

394421 19 h-index 29 g-index

46 all docs 46 docs citations

46 times ranked

484 citing authors

#	Article	IF	CITATIONS
1	Hydrodynamics of quantum entropies in Ising chains with linear dissipation. Journal of Physics A: Mathematical and Theoretical, 2022, 55, 074002.	2.1	18
2	Nonequilibrium Dark Space Phase Transition. Physical Review Letters, 2022, 128, 040603.	7.8	7
3	Noninteracting fermionic systems with localized losses: Exact results in the hydrodynamic limit. Physical Review B, 2022, 105, .	3 . 2	14
4	Dissipative quasiparticle picture for quadratic Markovian open quantum systems. Physical Review B, 2022, 105, .	3.2	20
5	Exact solution of a boundary time-crystal phase transition: Time-translation symmetry breaking and non-Markovian dynamics of correlations. Physical Review A, 2022, 105, .	2.5	19
6	Accelerating the approach of dissipative quantum spin systems towards stationarity through global spin rotations. Physical Review A, 2022, 106 , .	2.5	3
7	Spreading of correlations in Markovian open quantum systems. Physical Review B, 2021, 103, .	3.2	44
8	Machine learning time-local generators of open quantum dynamics. Physical Review Research, 2021, 3, .	3 . 6	11
9	Numerical simulation of quantum nonequilibrium phase transitions without finite-size effects. Physical Review A, 2021, 103, .	2.5	7
10	Exactness of Mean-Field Equations for Open Dicke Models with an Application to Pattern Retrieval Dynamics. Physical Review Letters, 2021, 126, 230601.	7.8	29
11	Large Deviations at Level 2.5 for Markovian Open Quantum Systems: Quantum Jumps and Quantum State Diffusion. Journal of Statistical Physics, 2021, 184, 1.	1.2	27
12	Exponentially Accelerated Approach to Stationarity in Markovian Open Quantum Systems through the Mpemba Effect. Physical Review Letters, 2021, 127, 060401.	7.8	33
13	Microscopic biasing of discrete-time quantum trajectories. Quantum Science and Technology, 2021, 6, 045011.	5.8	2
14	Dynamical Phases and Quantum Correlations in an Emitter-Waveguide System with Feedback. Physical Review Letters, 2021, 127, 133601.	7.8	21
15	Designing nonequilibrium states of quantum matter through stochastic resetting. Physical Review B, 2021, 104, .	3.2	18
16	Quantum and Classical Temporal Correlations in <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo stretchy="false">(</mml:mo><mml:mn>1</mml:mn><mml:mo>+</mml:mo><mml:mn>1<td>Tj E7T.QQ qO (</td><td>) 0 sgBT /Over</td></mml:mn></mml:mrow></mml:math>	Tj E7T.QQ qO () 0 s gBT /Over
17	Quantum Cellular Automata. Physical Review Letters, 2021, 127, 230502. Building Continuous Time Crystals from Rare Events. Physical Review Letters, 2020, 125, 160601.	7.8	21
18	Signatures of Associative Memory Behavior in a Multimode Dicke Model. Physical Review Letters, 2020, 125, 070604.	7.8	14

#	Article	IF	CITATIONS
19	Nonequilibrium Phase Transitions in (<mml:math)="" etqq1<="" th="" tj="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><th>1 0.7843 7.8</th><th>14 rgBT /0 17</th></mml:math>	1 0.7843 7.8	14 rgBT /0 17
	Letters, 2020, 125, 100403.		11
20	Entanglement statistics in Markovian open quantum systems: A matter of mutation and selection. Physical Review E, 2020, 102, 030104.	2.1	10
21	Nonequilibrium Many-Body Quantum Engine Driven by Time-Translation Symmetry Breaking. Physical Review Letters, 2020, 125, 240602.	7.8	14
22	Nonequilibrium Quantum Many-Body Rydberg Atom Engine. Physical Review Letters, 2020, 124, 170602.	7.8	27
23	Trajectory phase transitions in noninteracting spin systems. Physical Review E, 2020, 101, 042115.	2.1	14
24	Dynamics of strongly coupled disordered dissipative spin-boson systems. Physical Review Research, 2020, 2, .	3.6	5
25	Witnessing nonclassicality through large deviations in quantum optics. Physical Review Research, 2020, 2, .	3.6	O
26	Strong zero modes in a class of generalized Ising spin ladders with plaquette interactions. Physical Review B, 2019, 100, .	3.2	14
27	Numerical simulation of critical dissipative non-equilibrium quantum systems with an absorbing state. New Journal of Physics, 2019, 21, 093064.	2.9	21
28	Critical Behavior of the Quantum Contact Process in One Dimension. Physical Review Letters, 2019, 123, 100604.	7.8	34
29	Unraveling the Large Deviation Statistics of Markovian Open Quantum Systems. Physical Review Letters, 2019, 122, 130605.	7.8	97
30	Classical stochastic discrete time crystals. Physical Review E, 2019, 100, 060105.	2.1	32
31	Discrete Time Crystals in the Absence of Manifest Symmetries or Disorder in Open Quantum Systems. Physical Review Letters, 2019, 122, 015701.	7.8	90
32	Dynamical criticality in open systems: Nonperturbative physics, microscopic origin, and direct observation. Physical Review E, 2018, 98, .	2.1	11
33	Enhancing correlation times for edge spins through dissipation. Physical Review B, 2018, 98, .	3.2	26
34	Current fluctuations in boundary-driven quantum spin chains. Physical Review B, 2018, 98, .	3.2	19
35	Quantum spin chain dissipative mean-field dynamics. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 325001.	2.1	21
36	Making rare events typical in Markovian open quantum systems. Physical Review A, 2018, 98, .	2.5	67

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37	Quantum fluctuations in mesoscopic systems. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 423001.	2.1	8
38	Fluctuating hydrodynamics, current fluctuations, and hyperuniformity in boundary-driven open quantum chains. Physical Review E, 2017, 96, 052118.	2.1	35
39	Long-Lived Mesoscopic Entanglement Between Two Damped Infinite Harmonic Chains. Journal of Statistical Physics, 2017, 168, 620-651.	1.2	2
40	Dissipative entanglement of quantum spin fluctuations. Journal of Mathematical Physics, 2016, 57, 062208.	1.1	13
41	Non-markovian mesoscopic dissipative dynamics of open quantum spin chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 381-389.	2.1	15
42	Dissipative dynamics of quantum fluctuations. Annalen Der Physik, 2015, 527, 639-655.	2.4	8
43	Environment induced entanglement in many-body mesoscopic systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 1700-1703.	2.1	7
44	A non-Markovian Dissipative Maryland Model. Open Systems and Information Dynamics, 2013, 20, 1340001.	1.2	0
45	COGAS plant as possible future alternative to the diesel engine for the propulsion of large ships. , $2011,,603-613.$		4
46	Inferring Markovian quantum master equations of few-body observables in interacting spin chains. New Journal of Physics, 0, , .	2.9	O