

List of Publications by Year in descending order

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docs citations

34
times ranked

687
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy Production in Non-Markovian Collision Models: Information Backflow vs. System-Environment Correlations. Entropy, 2022, 24, 824.	2.2	2
2	Estimating the degree of non-Markovianity using machine learning. Physical Review A, 2021, 103, .	2.5	17
3	Disorder-free localization in quantum walks. Physical Review A, 2021, 103, .	2.5	10
4	Synchronization and non-Markovianity in open quantum systems. Physical Review A, 2021, 103, .	2.5	14
5	Quantum synchronization of few-body systems under collective dissipation. Physical Review A, 2020, 101, .	2.5	24
6	Quantum synchronization in a collision model. Physical Review A, 2019, 100, .	2.5	28
7	Non-Markovianity and bound states in quantum walks with a phase impurity. Journal of Physics A: Mathematical and Theoretical, 2019, 52, 225302.	2.1	3
8	Continuous dynamical decoupling and decoherence-free subspaces for qubits with tunable interaction. Quantum Information Processing, 2019, 18, 1.	2.2	2
9	Time-invariant discord: high temperature limit and initial environmental correlations. Quantum Information Processing, 2018, 17, 1.	2.2	2
10	Entropic uncertainty relation under correlated dephasing channels. Canadian Journal of Physics, 2018, 96, 700-704.	1.1	19
11	Invariant entanglement and generation of quantum correlations under global dephasing. Canadian Journal of Physics, 2018, 96, 705-710.	1.1	2
12	Symmetry in the open-system dynamics of quantum correlations. Scientific Reports, 2017, 7, 8367.	3.3	4
13	Remote polarization-entanglement generation by local dephasing and frequency up-conversion. Physical Review A, 2017, 96, .	2.5	3
14	Frozen and Invariant Quantum Discord Under Local Dephasing Noise. Quantum Science and Technology, 2017, , 339-366.	2.6	0
15	Time-invariant entanglement and sudden death of nonlocality. Physical Review A, 2016, 94, .	2.5	17
16	Inequivalence of correlation-based measures of non-Markovianity. Physical Review A, 2016, 94, .	2.5	16
17	Dynamical memory effects in correlated quantum channels. Physical Review A, 2016, 94, .	2.5	33
18	Quantum correlations and coherence in spin-1 Heisenberg chains. Physical Review B, 2016, 93, .	3.2	113

#	ARTICLE	IF	CITATIONS
19	Time-invariant discord in dynamically decoupled systems. Physical Review A, 2015, 92, .	2.5	11
20	Computational speed-up with a single qudit. Scientific Reports, 2015, 5, 14671.	3.3	83
21	Controlling entropic uncertainty bound through memory effects. Europhysics Letters, 2015, 111, 50006.	2.0	30
22	Factorization and Criticality in the Anisotropic XY Chain via Correlations. Entropy, 2015, 17, 790-817.	2.2	53
23	Non-Markovianity through flow of information between a system and an environment. Physical Review A, 2014, 90, .	2.5	77
24	Quantum coherence and uncertainty in the anisotropic XY chain. Physical Review B, 2014, 90, .	3.2	177
25	Non-Markovianity through Accessible Information. Physical Review Letters, 2014, 112, .	7.8	138
26	Invariant quantum discord in qubitâ€“qutrit systems under local dephasing. Physica Scripta, 2013, T153, 014036.	2.5	16
27	Sudden change of quantum discord for a system of two qubits. Physical Review A, 2013, 88, .	2.5	51
28	Probing the degree of non-Markovianity for independent and common environments. Physical Review A, 2013, 88, .	2.5	49
29	Quantum correlations in a few-atom spin-1 Boseâ€“Hubbard model. Physica Scripta, 2013, T153, 014008.	2.5	0
30	Critical point estimation and long-range behavior in the one-dimensional XY model using thermal quantum and total correlations. Physics Letters, Section A: General, Atomic and Solid State Physics, 2012, 376, 2982-2988.	2.1	37
31	Correlation dynamics of qubitâ€“qutrit systems in a classical dephasing environment. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 4166-4171.	2.1	66
32	Optimal local transformations of flip and exchange symmetric entangled states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 376, 75-79.	2.1	3
33	Entanglement of hard-core bose gas in degenerate levels under local noise. Physica C: Superconductivity and Its Applications, 2010, 470, S945-S946.	1.2	0
34	Decoherence induced spontaneous symmetry breaking. Optics Communications, 2009, 282, 4460-4463.	2.1	3