

Bao-Ming Xu

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

254
citations

1040056

9
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum coherence rather than quantum correlations reflect the effects of a reservoir on a system's work capability. <i>Physical Review E</i> , 2014, 89, 052132.	2.1	46
2	Feed-forward control for quantum state protection against decoherence. <i>Physical Review A</i> , 2014, 89, .	2.5	39
3	Improved thermometry of low-temperature quantum systems by a ring-structure probe. <i>Physical Review A</i> , 2015, 92, .	2.5	24
4	Effect of coherence of nonthermal reservoirs on heat transport in a microscopic collision model. <i>Physical Review E</i> , 2018, 97, 022111.	2.1	23
5	Effects of quantum coherence on work statistics. <i>Physical Review A</i> , 2018, 97, .	2.5	20
6	Measurement-based direct quantum feedback control in an open quantum system. <i>Physical Review A</i> , 2013, 88, .	2.5	15
7	Effect of radio frequency fields on the radical pair magnetoreception model. <i>Physical Review E</i> , 2014, 90, 042711.	2.1	14
8	Negentropy as a source of efficiency: a nonequilibrium quantum Otto cycle. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	12
9	Estimating the hyperfine coupling parameters of the avian compass by comprehensively considering the available experimental results. <i>Physical Review E</i> , 2013, 88, 032703.	2.1	12
10	Discriminating two nonorthogonal states against a noise channel by feed-forward control. <i>Physical Review A</i> , 2015, 91, .	2.5	8
11	Quantum discord dynamics in the presence of initial systemâ€“bath correlations. <i>Physica Scripta</i> , 2012, 86, 065001.	2.5	6
12	Quantum State Preparation and Protection by Measurement-Based Feedback Control Against Decoherence. <i>Communications in Theoretical Physics</i> , 2015, 63, 149-158.	2.5	6
13	Quantum process discrimination with information from environment. <i>Chinese Physics B</i> , 2016, 25, 120302.	1.4	5
14	Influences of initial states of a bath on the dynamics of central spin. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	4
15	Magnetic field sensing subject to correlated noise with a ring spin chain. <i>Scientific Reports</i> , 2016, 6, 33254.	3.3	4
16	Quantifying Magnetic Sensitivity of Radical Pair Based Compass by Quantum Fisher Information. <i>Scientific Reports</i> , 2017, 7, 5826.	3.3	4
17	Quantum Correlation Generation in a Damped Cavity. <i>Chinese Physics Letters</i> , 2011, 28, 090301.	3.3	3
18	Influences of Initial States on Entanglement Dynamics of Two Central Spins in a Spin Environment. <i>International Journal of Theoretical Physics</i> , 2016, 55, 1460-1473.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Duality in quantum work. <i>Physical Review A</i> , 2020, 101, .	2.5	3
20	Manipulating entanglement against dissipation by pre- and post-measurements with initial system-environment correlations. <i>European Physical Journal D</i> , 2015, 69, 1.	1.3	1
21	Dark state population determines magnetic sensitivity in radical pair magnetoreception model. <i>Scientific Reports</i> , 2016, 6, 22417.	3.3	1
22	A single-point measurement scheme for quantum work based on the squeezing state. <i>Communications in Theoretical Physics</i> , 2021, 73, 065102.	2.5	1
23	Effect of Different Environments on Multipartite Global Discord. <i>Communications in Theoretical Physics</i> , 2015, 63, 291-295.	2.5	0