

# Bao-Ming Xu

## List of Publications by Year in descending order

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23  
papers

254  
citations

1040056

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h-index

940533

16  
g-index

23  
all docs

23  
docs citations

23  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	A single-point measurement scheme for quantum work based on the squeezing state. Communications in Theoretical Physics, 2021, 73, 065102.	2.5	1
2	Duality in quantum work. Physical Review A, 2020, 101, .	2.5	3
3	Effect of coherence of nonthermal reservoirs on heat transport in a microscopic collision model. Physical Review E, 2018, 97, 022111.	2.1	23
4	Effects of quantum coherence on work statistics. Physical Review A, 2018, 97, .	2.5	20
5	Quantifying Magnetic Sensitivity of Radical Pair Based Compass by Quantum Fisher Information. Scientific Reports, 2017, 7, 5826.	3.3	4
6	Quantum process discrimination with information from environment. Chinese Physics B, 2016, 25, 120302.	1.4	5
7	Magnetic field sensing subject to correlated noise with a ring spin chain. Scientific Reports, 2016, 6, 33254.	3.3	4
8	Dark state population determines magnetic sensitivity in radical pair magnetoreception model. Scientific Reports, 2016, 6, 22417.	3.3	1
9	Influences of Initial States on Entanglement Dynamics of Two Central Spins in a Spin Environment. International Journal of Theoretical Physics, 2016, 55, 1460-1473.	1.2	3
10	Improved thermometry of low-temperature quantum systems by a ring-structure probe. Physical Review A, 2015, 92, .	2.5	24
11	Influences of initial states of a bath on the dynamics of central spin. European Physical Journal D, 2015, 69, 1.	1.3	4
12	Manipulating entanglement against dissipation by pre- and post-measurements with initial system-environment correlations. European Physical Journal D, 2015, 69, 1.	1.3	1
13	Quantum State Preparation and Protection by Measurement-Based Feedback Control Against Decoherence. Communications in Theoretical Physics, 2015, 63, 149-158.	2.5	6
14	Discriminating two nonorthogonal states against a noise channel by feed-forward control. Physical Review A, 2015, 91, .	2.5	8
15	Effect of Different Environments on Multipartite Global Discord. Communications in Theoretical Physics, 2015, 63, 291-295.	2.5	0
16	Quantum coherence rather than quantum correlations reflect the effects of a reservoir on a system's work capability. Physical Review E, 2014, 89, 052132.	2.1	46
17	Effect of radio frequency fields on the radical pair magnetoreception model. Physical Review E, 2014, 90, 042711.	2.1	14
18	Feed-forward control for quantum state protection against decoherence. Physical Review A, 2014, 89, .	2.5	39

#	ARTICLE	IF	CITATIONS
19	Negentropy as a source of efficiency: a nonequilibrium quantum Otto cycle. <i>European Physical Journal D</i> , 2013, 67, 1.	1.3	12
20	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
21	Measurement-based direct quantum feedback control in an open quantum system. <i>Physical Review A</i> , 2013, 88, .	2.5	15
22	Quantum discord dynamics in the presence of initial systemâ€“bath correlations. <i>Physica Scripta</i> , 2012, 86, 065001.	2.5	6
23	Quantum Correlation Generation in a Damped Cavity. <i>Chinese Physics Letters</i> , 2011, 28, 090301.	3.3	3