Cheng-Jie Zhang

List of Publications by Year
in descending order

48 papers	1,433 citations	471061 17 h-index	315357 38 g-index
48 all docs	48 docs citations	48 times ranked	975 citing authors

#	Article	IF	Citations
1	Uncertainty Relations of Non-Hermitian Operators: Theory and Experimental Scheme. Frontiers in Physics, 2022, 10, .	1.0	3
2	Single-mode multiphoton polarization states under random Pauli noises. Physical Review A, 2021, 103, .	1.0	0
3	Quantum deleting and cloning in a pseudo-unitary system. Frontiers of Physics, 2021, 16, 1.	2.4	7
4	Measurement-induced entropy increment for quantifying genuine coherence. Quantum Information Processing, 2021, 20, 1.	1.0	1
5	Detecting and estimating coherence based on coherence witnesses. Physical Review A, 2021, 103, .	1.0	12
6	Observation of the tradeoff between internal quantum nonseparability and external classical correlations. Physical Review A, 2021, 104, .	1.0	1
7	Numerical and analytical results for geometric measure of coherence and geometric measure of entanglement. Scientific Reports, 2020, 10, 12122.	1.6	3
8	Experimentally Accessible Lower Bounds for Genuine Multipartite Entanglement and Coherence Measures. Physical Review Applied, 2020, 13, .	1.5	23
9	Characterizing multipartite entanglement by violation of CHSH inequalities. Quantum Information Processing, 2020, 19, 1.	1.0	2
10	Generalized-mean CramÃ©r-Rao bounds for multiparameter quantum metrology. Physical Review A, 2020, 101, .	1.0	8
11	Experimental quantum cloning in a pseudo-unitary system. Physical Review A, 2020, 101, .	1.0	24
12	Realization of the tradeoff between internal and external entanglement. Physical Review Research, 2020, 2, .	1.3	4
13	Experimental certification for nonclassical teleportation. Quantum Engineering, 2019, 1, e13.	1.2	28
14	Generalized Hardy-type tests for hierarchy of multipartite non-locality*. Chinese Physics B, 2019, 28, 120306.	0.7	0
15	Experimental simulation of anti-parity-time symmetric Lorentz dynamics. Optica, 2019, 6, 67.	4.8	35
16	Generalized speed and cost rate in transitionless quantum driving. Physical Review A, 2018, 97, .	1.0	10
17	Quantum coherence in a compass chain under an alternating magnetic field. Physical Review B, 2018, 97, .	1.1	20
18	Emergent phases in a compass chain with multisite interactions. Physical Review B, 2017, 95, .	1.1	9

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19	Genuine multipartite nonlocality in the one-dimensional ferromagnetic spin-1/2 chain. Physical Review A, 2017, 96, .	1.0	12
20	Triangle inequalities in coherence measures and entanglement concurrence. Physical Review A, 2017, 96, .	1.0	4
21	Generation and applications of an ultrahigh-fidelity four-photon Greenberger-Horne-Zeilinger state. Optics Express, 2016, 24, 27059.	1.7	15
22	Experimental test of genuine multipartite nonlocality under the no-signalling principle. Scientific Reports, 2016, 6, 39327.	1.6	10
23	Hierarchy of multipartite nonlocality in the nonsignaling scenario. Physical Review A, 2016, 94, .	1.0	11
24	Evaluation of entanglement measures by a single observable. Physical Review A, 2016, 94, .	1.0	9
25	Dynamics of quantum correlation between separated nitrogen-vacancy centers embedded in plasmonic waveguide. Scientific Reports, 2015, 5, 15513.	1.6	13
26	Complete condition for nonzero quantum correlation in continuous variable systems. New Journal of Physics, 2015, 17, 093007.	1.2	1
27	LINEARITY OF QUANTUM PROBABILITY MEASURE AND HARDY'S MODEL. International Journal of Modern Physics A, 2014, 29, 1450017.	0.5	2
28	Spin operator and entanglement in quantum field theory. Physical Review D, 2014, 90, .	1.6	6
29	Test of Genuine Multipartite Nonlocality without Inequalities. Physical Review Letters, 2014, 112, 140404.	2.9	31
30	Detecting and Estimating Continuous-Variable Entanglement by Local Orthogonal Observables. Physical Review Letters, 2013, 111, 190501.	2.9	21
31	Preservation of quantum correlation between separated nitrogen-vacancy centers embedded in photonic-crystal cavities. Physical Review A, 2013, 87, .	1.0	62
32	All Entangled Pure States Violate a Single Bellâ€™s Inequality. Physical Review Letters, 2012, 109, 120402.	2.9	74
33	Quantum discord of a three-qubit W-class state in noisy environments. Quantum Information and Computation, 2012, 12, 677-692.	0.1	5
34	Quantum discord of two-qubit<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>X</mml:mi></mml:math>states. Physical Review A, 2011, 84, .	1.0	240
35	Observable estimation of entanglement of formation and quantum discord for bipartite mixed quantum states. Physical Review A, 2011, 84, .	1.0	20
36	Detecting the quantum discord of an unknown state by a single observable. Physical Review A, 2011, 84, .	1.0	25

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37	Experimental investigation of the non-Markovian dynamics of classical and quantum correlations. Physical Review A, 2010, 82, .	1.0	65
38	Negative entanglement measure for bipartite separable mixed states. Physical Review A, 2010, 82, .	1.0	1
39	Detection of bound entanglement in continuous-variable systems. Physical Review A, 2010, 82, .	1.0	8
40	Entanglement detection via tighter local uncertainty relations. Physical Review A, 2010, 81, .	1.0	21
41	Experimental investigation of classical and quantum correlations under decoherence. Nature Communications, 2010, 1, 7.	5.8	364
42	Three-tangle rate controlled by local operation. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 075304.	0.7	0
43	Experimental measurement of lower and upper bounds of concurrence for mixed quantum states. Physical Review A, 2009, 79, .	1.0	16
44	Entanglement detection beyond the computable cross-norm or realignment criterion. Physical Review A, 2008, 77, .	1.0	74
45	Observable estimation of entanglement for arbitrary finite-dimensional mixed states. Physical Review A, 2008, 78, .	1.0	41
46	Optimal entanglement witnesses based on local orthogonal observables. Physical Review A, 2007, 76, .	1.0	89
47	Genuine entanglement of generalized Bell diagonal states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 57-65.	0.9	1
48	Not All Entangled States are Useful for Ancillaâ€Assisted Quantum Process Tomography. Annalen Der Physik, 0, , 2100550.	0.9	2