

Yong-Sheng Zhang

List of Publications by Year in descending order

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46
papers

953
citations

516710

16
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454955

30
g-index

47
all docs

47
docs citations

47
times ranked

811
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Test of the Kochen-Specker Theorem with Single Photons. Physical Review Letters, 2003, 90, 250401.	7.8	132
2	Experimental Teleportation of a Quantum Controlled-NOT Gate. Physical Review Letters, 2004, 93, 240501.	7.8	122
3	Optimal entanglement witnesses based on local orthogonal observables. Physical Review A, 2007, 76, .	2.5	89
4	Entanglement detection beyond the computable cross-norm or realignment criterion. Physical Review A, 2008, 77, .	2.5	74
5	Observation of non-locality sharing among three observers with one entangled pair via optimal weak measurement. Npj Quantum Information, 2018, 4, .	6.7	58
6	Solving frustrated quantum many-particle models with convolutional neural networks. Physical Review B, 2018, 98, .	3.2	54
7	Experimental preparation of the Werner state via spontaneous parametric down-conversion. Physical Review A, 2002, 66, .	2.5	52
8	Observable estimation of entanglement for arbitrary finite-dimensional mixed states. Physical Review A, 2008, 78, .	2.5	41
9	Pair tunneling of bosonic atoms in an optical lattice. Physical Review A, 2009, 80, .	2.5	24
10	Unitary Transformations Can Be Distinguished Locally. Physical Review Letters, 2007, 99, 170401.	7.8	23
11	Entanglement detection via tighter local uncertainty relations. Physical Review A, 2010, 81, .	2.5	21
12	Experimental test of state-independent quantum contextuality of an indivisible quantum system. Physical Review A, 2013, 87, .	2.5	20
13	Local distinguishability of orthogonal quantum states and generators of $SU(2)$. Physical Review A, 2014, 90, 042305.	2.5	19
14	Experimental realization of sequential weak measurements of non-commuting Pauli observables. Optics Express, 2019, 27, 6089.	3.4	19
15	Non-Bloch quench dynamics. Physical Review Research, 2021, 3, .	3.6	18
16	Einstein-Podolsky-Rosen steering in two-sided sequential measurements with one entangled pair. Physical Review A, 2022, 105, .	2.5	18
17	Direct measurement of the two-dimensional spatial quantum wave function via strong measurements. Physical Review A, 2020, 101, .	2.5	15
18	Two-Dimensional Quantum Walk with Non-Hermitian Skin Effects. Chinese Physics Letters, 2021, 38, 030301.	3.3	15

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19	Dependence of the decoherence of polarization states in phase-damping channels on the frequency spectrum envelope of photons. <i>Physical Review A</i> , 2008, 78, .	2.5	14
20	Three-observer classical dimension witness violation with weak measurement. <i>Communications Physics</i> , 2018, 1, .	5.3	14
21	Experimental creation of superposition of unknown photonic quantum states. <i>Physical Review A</i> , 2016, 94, .	2.5	13
22	Physical accessible transformations on a finite number of quantum states. <i>Physical Review A</i> , 2007, 75, .	2.5	11
23	Quantum gambling based on Nash-equilibrium. <i>Npj Quantum Information</i> , 2017, 3, .	6.7	10
24	Detection of bound entanglement in continuous-variable systems. <i>Physical Review A</i> , 2010, 82, .	2.5	8
25	Dark state in a nonlinear optomechanical system with quadratic coupling. <i>Physical Review A</i> , 2015, 92, .	2.5	8
26	Exploring Inhomogeneous Kibble-Zurek Mechanism in a Spin-Orbit Coupled Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2020, 125, 260603.	7.8	8
27	Engineering dissipative quasicrystals. <i>Physical Review B</i> , 2022, 105, .	3.2	8
28	Generation of Bose-Einstein Condensatesâ€™ Ground State Through Machine Learning. <i>Scientific Reports</i> , 2018, 8, 16337.	3.3	5
29	Realization of entanglement-assisted weak-value amplification in a photonic system. <i>Physical Review A</i> , 2019, 99, .	2.5	5
30	Adiabatic evolution in nonlinear systems with degeneracy. <i>Physical Review A</i> , 2010, 81, .	2.5	4
31	Are observables necessarily Hermitian?. <i>Quantum Studies: Mathematics and Foundations</i> , 2017, 4, 243-249.	0.9	4
32	Experimental verification of anisotropic invariance for three-qubit states. <i>Physical Review A</i> , 2019, 99, .	2.5	4
33	Realization of the tradeoff between internal and external entanglement. <i>Physical Review Research</i> , 2020, 2, .	3.6	4
34	Calculating the Greenâ€™s function of two-site fermionic Hubbard model in a photonic system. <i>New Journal of Physics</i> , 2022, 24, 043030.	2.9	4
35	Faraday patterns in spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2022, 105, .	2.5	4
36	Extended Bose-Hubbard model with pair hopping induced by a quadratically coupled optomechanical system. <i>Physical Review A</i> , 2016, 94, .	2.5	3

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37	Estimation of photon counting statistics with imperfect detectors. Chinese Physics B, 2018, 27, 074208.	1.4	2
38	Genuine entanglement of generalized Bell diagonal states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 57-65.	2.1	1
39	Efficient measurement-based quantum computation with cluster states in quantum-bit fixed systems. Physical Review A, 2008, 77, .	2.5	1
40	Arbitrary quantum superposition state for three-level system using oscillating dark states. Optics Communications, 2009, 282, 1167-1170.	2.1	1
41	Negative entanglement measure for bipartite separable mixed states. Physical Review A, 2010, 82, .	2.5	1
42	Time reversible evolution via nonadiabatic coupling in adiabatic dark subspace. Optics Communications, 2010, 283, 2174-2177.	2.1	1
43	Observation of the tradeoff between internal quantum nonseparability and external classical correlations. Physical Review A, 2021, 104, .	2.5	1
44	Deterministic noiseless amplification of coherent states. Physical Review A, 2015, 92, .	2.5	0
45	The second- and the fourth-order interferences observed in a two-photon interferometer. Journal of Modern Optics, 2016, 63, 896-901.	1.3	0
46	Experimental observations of 1D quantum walks in a limited region. Quantum Information Processing, 2019, 18, 1.	2.2	0