

# Yong-Sheng Zhang

## List of Publications by Year in descending order

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46  
papers

953  
citations

586496

16  
h-index

511568

30  
g-index

47  
all docs

47  
docs citations

47  
times ranked

905  
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculating the Greenâ€™s function of two-site fermionic Hubbard model in a photonic system. New Journal of Physics, 2022, 24, 043030.	1.2	4
2	Engineering dissipative quasicrystals. Physical Review B, 2022, 105, .	1.1	8
3	Einstein-Podolsky-Rosen steering in two-sided sequential measurements with one entangled pair. Physical Review A, 2022, 105, .	1.0	18
4	Faraday patterns in spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2022, 105, .	1.0	4
5	Two-Dimensional Quantum Walk with Non-Hermitian Skin Effects. Chinese Physics Letters, 2021, 38, 030301.	1.3	15
6	Non-Bloch quench dynamics. Physical Review Research, 2021, 3, .	1.3	18
7	Observation of the tradeoff between internal quantum nonseparability and external classical correlations. Physical Review A, 2021, 104, .	1.0	1
8	Direct measurement of the two-dimensional spatial quantum wave function via strong measurements. Physical Review A, 2020, 101, .	1.0	15
9	Exploring Inhomogeneous Kibble-Zurek Mechanism in a Spin-Orbit Coupled Bose-Einstein Condensate. Physical Review Letters, 2020, 125, 260603.	2.9	8
10	Realization of the tradeoff between internal and external entanglement. Physical Review Research, 2020, 2, .	1.3	4
11	Experimental verification of anisotropic invariance for three-qubit states. Physical Review A, 2019, 99, .	1.0	4
12	Realization of entanglement-assisted weak-value amplification in a photonic system. Physical Review A, 2019, 99, .	1.0	5
13	Experimental observations of 1D quantum walks in a limited region. Quantum Information Processing, 2019, 18, 1.	1.0	0
14	Experimental realization of sequential weak measurements of non-commuting Pauli observables. Optics Express, 2019, 27, 6089.	1.7	19
15	Generation of Bose-Einstein Condensatesâ€™ Ground State Through Machine Learning. Scientific Reports, 2018, 8, 16337.	1.6	5
16	Observation of non-locality sharing among three observers with one entangled pair via optimal weak measurement. Npj Quantum Information, 2018, 4, .	2.8	58
17	Solving frustrated quantum many-particle models with convolutional neural networks. Physical Review B, 2018, 98, .	1.1	54
18	Estimation of photon counting statistics with imperfect detectors. Chinese Physics B, 2018, 27, 074208.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Three-observer classical dimension witness violation with weak measurement. <i>Communications Physics</i> , 2018, 1, .	2.0	14
20	Are observables necessarily Hermitian?. <i>Quantum Studies: Mathematics and Foundations</i> , 2017, 4, 243-249.	0.4	4
21	Quantum gambling based on Nash-equilibrium. <i>Npj Quantum Information</i> , 2017, 3, .	2.8	10
22	Experimental creation of superposition of unknown photonic quantum states. <i>Physical Review A</i> , 2016, 94, .	1.0	13
23	Extended Bose-Hubbard model with pair hopping induced by a quadratically coupled optomechanical system. <i>Physical Review A</i> , 2016, 94, .	1.0	3
24	The second- and the fourth-order interferences observed in a two-photon interferometer. <i>Journal of Modern Optics</i> , 2016, 63, 896-901.	0.6	0
25	Dark state in a nonlinear optomechanical system with quadratic coupling. <i>Physical Review A</i> , 2015, 92, .	1.0	8
26	Deterministic noiseless amplification of coherent states. <i>Physical Review A</i> , 2015, 92, .	1.0	0
27	Experimental test of state-independent quantum contextuality of an indivisible quantum system. <i>Physical Review A</i> , 2013, 87, .	1.0	20
28	Negative entanglement measure for bipartite separable mixed states. <i>Physical Review A</i> , 2010, 82, .	1.0	1
29	Time reversible evolution via nonadiabatic coupling in adiabatic dark subspace. <i>Optics Communications</i> , 2010, 283, 2174-2177.	1.0	1
30	Detection of bound entanglement in continuous-variable systems. <i>Physical Review A</i> , 2010, 82, .	1.0	8
31	Adiabatic evolution in nonlinear systems with degeneracy. <i>Physical Review A</i> , 2010, 81, .	1.0	4
32	Entanglement detection via tighter local uncertainty relations. <i>Physical Review A</i> , 2010, 81, .	1.0	21
33	Arbitrary quantum superposition state for three-level system using oscillating dark states. <i>Optics Communications</i> , 2009, 282, 1167-1170.	1.0	1
34	Pair tunneling of bosonic atoms in an optical lattice. <i>Physical Review A</i> , 2009, 80, .	1.0	24
35	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, .	1.0	14
36	Efficient measurement-based quantum computation with cluster states in quantum-bit fixed systems. <i>Physical Review A</i> , 2008, 77, .	1.0	1

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37	Entanglement detection beyond the computable cross-norm or realignment criterion. Physical Review A, 2008, 77, .	1.0	74
38	Observable estimation of entanglement for arbitrary finite-dimensional mixed states. Physical Review A, 2008, 78, .	1.0	41
39	Unitary Transformations Can Be Distinguished Locally. Physical Review Letters, 2007, 99, 170401.	2.9	23
40	Physical accessible transformations on a finite number of quantum states. Physical Review A, 2007, 75, .	1.0	11
41	Optimal entanglement witnesses based on local orthogonal observables. Physical Review A, 2007, 76, .	1.0	89
42	Local distinguishability of orthogonal quantum states and generators of $SU(2)$ . Physical Review Letters, 2007, 99, 170401.	1.0	19
43	Genuine entanglement of generalized Bell diagonal states. Physics Letters, Section A: General, Atomic and Solid State Physics, 2007, 363, 57-65.	0.9	1
44	Experimental Teleportation of a Quantum Controlled-NOT Gate. Physical Review Letters, 2004, 93, 240501.	2.9	122
45	Experimental Test of the Kochen-Specker Theorem with Single Photons. Physical Review Letters, 2003, 90, 250401.	2.9	132
46	Experimental preparation of the Werner state via spontaneous parametric down-conversion. Physical Review A, 2002, 66, .	1.0	52