

Xing-Can Yao

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,383
citations

516561

16
h-index

477173

29
g-index

31
all docs

31
docs citations

31
times ranked

1659
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of eight-photon entanglement. Nature Photonics, 2012, 6, 225-228.	15.6	355
2	Experimental demonstration of a hyper-entangled ten-qubit Schrödinger cat state. Nature Physics, 2010, 6, 331-335.	6.5	282
3	Experimental demonstration of topological error correction. Nature, 2012, 482, 489-494.	13.7	162
4	Observation of Coupled Vortex Lattices in a Mass-Imbalance Bose and Fermi Superfluid Mixture. Physical Review Letters, 2016, 117, 145301.	2.9	88
5	Experimental Realization of a Controlled-NOT Gate with Four-Photon Six-Qubit Cluster States. Physical Review Letters, 2010, 104, 020501.	2.9	71
6	Observation of ten-photon entanglement using thin BiB ₃ O ₆ crystals. Optica, 2017, 4, 77.	4.8	52
7	Experimental nested purification for a linear optical quantum repeater. Nature Photonics, 2017, 11, 695-699.	15.6	46
8	Implementation of a Measurement-Device-Independent Entanglement Witness. Physical Review Letters, 2014, 112, 140506.	2.9	44
9	Experimental realization of a concatenated Greenberger-Horne-Zeilinger state for macroscopic quantum superpositions. Nature Photonics, 2014, 8, 364-368.	15.6	38
10	Production of large K Bose-Einstein condensates using D molasses. Physical Review A, 2016, 94, .	1.0	26
11	Two-Hierarchy Entanglement Swapping for a Linear Optical Quantum Repeater. Physical Review Letters, 2017, 119, 170502.	2.9	26
12	Experimental quantum channel simulation. Physical Review A, 2017, 95, .	1.0	24
13	Coupled dipole oscillations of a mass-imbalanced Bose-Fermi superfluid mixture. Physical Review B, 2018, 97, .	1.1	22
14	Degenerate Bose gases near a d-wave shape resonance. Nature Physics, 2019, 15, 570-576.	6.5	21
15	Experimental measurement-based quantum computing beyond the cluster-state model. Nature Photonics, 2011, 5, 117-123.	15.6	19
16	High-power 671-nm laser by second-harmonic generation with 93% efficiency in an external ring cavity. Optics Letters, 2018, 43, 1666.	1.7	18
17	Second sound attenuation near quantum criticality. Science, 2022, 375, 528-533.	6.0	15
18	Experimental Realization of Programmable Quantum Gate Array for Directly Probing Commutation Relations of Pauli Operators. Physical Review Letters, 2010, 105, 120402.	2.9	11

#	ARTICLE	IF	CITATIONS
19	A quantum degenerate Bose-Fermi mixture of ^4He and ^6Li . Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 094001.	0.6	11
20	Bell inequality tests of four-photon six-qubit graph states. Physical Review A, 2010, 82, .	1.0	10
21	Narrow-linewidth cooling of ^6Li atoms using the 2S-3P transition. Applied Physics B: Lasers and Optics, 2016, 122, 1.	1.1	10
22	30 W, sub-kHz frequency-locked laser at 532 nm. Optics Express, 2018, 26, 33756.	1.7	7
23	Dynamic formation of quasicondensate and spontaneous vortices in a strongly interacting Fermi gas. Physical Review Research, 2021, 3, .	1.3	6
24	Oscillatory-like expansion of a Fermionic superfluid. Science Bulletin, 2020, 65, 7-11.	4.3	5
25	Universal Dynamical Scaling of Quasi-Two-Dimensional Vortices in a Strongly Interacting Fermionic Superfluid. Physical Review Letters, 2021, 126, 185302.	2.9	5
26	Feshbach spectroscopy of an ultracold ^4He - ^6Li mixture and ^4He atoms. Physical Review A, 2018, 98, .	1.0	4
27	Quantum Adiabatic Doping with Incommensurate Optical Lattices. Physical Review Letters, 2019, 123, 233603.	2.9	2
28	Observation of state-to-state hyperfine-changing collisions in a Bose-Fermi mixture of ^6Li and ^4He atoms. Physical Review A, 2020, 101, .	1.0	2
29	Observation of the density dependence of the closed-channel fraction of a ^6Li superfluid. National Science Review, 2022, 9, .	4.6	1
30	High-power High-efficiency Second Harmonic Generation of 1342-nm Laser in LBO and PPKTP. , 2019, , .		0