Xing-Can Yao

List of Publications by Year
in descending order

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30 papers	1,383 citations	516710 16 h-index	477307 29 g-index
31 all docs	31 docs citations	31 times ranked	1659 citing authors

#	Article	IF	Citations
1	Second sound attenuation near quantum criticality. Science, 2022, 375, 528-533.	12.6	15
2	Observation of the density dependence of the closed-channel fraction of a 6Li superfluid. National Science Review, 2022, 9, .	9.5	1
3	Universal Dynamical Scaling of Quasi-Two-Dimensional Vortices in a Strongly Interacting Fermionic Superfluid. Physical Review Letters, 2021, 126, 185302.	7.8	5
4	Dynamic formation of quasicondensate and spontaneous vortices in a strongly interacting Fermi gas. Physical Review Research, 2021, 3, .	3.6	6
5	Oscillatory-like expansion of a Fermionic superfluid. Science Bulletin, 2020, 65, 7-11.	9.0	5
6	Observation of state-to-state hyperfine-changing collisions in a Bose-Fermi mixture of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>41</mml:mn></mml:mmultiscripts></mml:math> atoms. Physical Review A, 2020, 101, .	2.5	2
7	Degenerate Bose gases near a d-wave shape resonance. Nature Physics, 2019, 15, 570-576.	16.7	21
8	Quantum Adiabatic Doping with Incommensurate Optical Lattices. Physical Review Letters, 2019, 123, 233603.	7.8	2
9	High-power High-efficiency Second Harmonic Generation of 1342-nm Laser in LBO and PPKTP. , 2019, , .		0
10	Coupled dipole oscillations of a mass-imbalanced Bose-Fermi superfluid mixture. Physical Review B, 2018, 97, .	3.2	22
11	Feshbach spectroscopy of an ultracold K41â^'Li6 mixture and K41 atoms. Physical Review A, 2018, 98, .	2.5	4
12	High-power 671â€‰â€‰nm laser by second-harmonic generation with 93% efficiency in an external ring cavity. Optics Letters, 2018, 43, 1666.	3.3	18
13	30 W, sub-kHz frequency-locked laser at 532 nm. Optics Express, 2018, 26, 33756.	3.4	7
14	A quantum degenerate Boseâ€“Fermi mixture of41K and6Li. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 094001.	1.5	11
15	Experimental nested purification for a linear optical quantum repeater. Nature Photonics, 2017, 11, 695-699.	31.4	46
16	Two-Hierarchy Entanglement Swapping for a Linear Optical Quantum Repeater. Physical Review Letters, 2017, 119, 170502.	7.8	26
17	Experimental quantum channel simulation. Physical Review A, 2017, 95, .	2.5	24
18	Observation of ten-photon entanglement using thin BiB_3O_6 crystals. Optica, 2017, 4, 77.	9.3	52

#	ARTICLE	IF	CITATIONS
19	Narrow-linewidth cooling of ^{6} 6 Li atoms using the 2S-3P transition. Applied Physics B: Lasers and Optics, 2016, 122, 1.	2.2	10
20	Production of large<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">K</mml:mi><mml:mprescripts /><mml:none /><mml:mn>41</mml:mn></mml:mmultiscripts></mml:math>Bose-Einstein condensates using<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>D</mml:mi><mml:mn>1</mml:mn></mml:msub></mml:m molasses. Physical Review A, 2016, 94, .	2.5	26
21	Observation of Coupled Vortex Lattices in a Mass-Imbalance Bose and Fermi Superfluid Mixture. Physical Review Letters, 2016, 117, 145301.	7.8	88
22	Experimental realization of a concatenated Greenbergerâ€“Horneâ€“Zeilinger state for macroscopic quantum superpositions. Nature Photonics, 2014, 8, 364-368.	31.4	38
23	Implementation of a Measurement-Device-Independent Entanglement Witness. Physical Review Letters, 2014, 112, 140506.	7.8	44
24	Observation of eight-photon entanglement. Nature Photonics, 2012, 6, 225-228.	31.4	355
25	Experimental demonstration of topological error correction. Nature, 2012, 482, 489-494.	27.8	162
26	Experimental measurement-based quantum computing beyond the cluster-state model. Nature Photonics, 2011, 5, 117-123.	31.4	19
27	Experimental demonstration of a hyper-entangled ten-qubit SchrÃ¶dinger cat state. Nature Physics, 2010, 6, 331-335.	16.7	282
28	Bell inequality tests of four-photon six-qubit graph states. Physical Review A, 2010, 82, .	2.5	10
29	Experimental Realization of Programmable Quantum Gate Array for Directly Probing Commutation Relations of Pauli Operators. Physical Review Letters, 2010, 105, 120402.	7.8	11
30	Experimental Realization of a Controlled-NOT Gate with Four-Photon Six-Qubit Cluster States. Physical Review Letters, 2010, 104, 020501.	7.8	71