Li You

List of Publications by Year
in descending order

40 papers	1,431 citations	471509 17 h-index	330143 37 g-index
40 all docs	40 docs citations	40 times ranked	1279 citing authors

#	Article	IF	Citations
1	Magnetic solitons in an immiscible two-component Bose-Einstein condensate. Physical Review A, 2022, 105, .	2.5	6
2	Quantum Phases of Time Order in Many-Body Ground States. Frontiers in Physics, 2022, 10, .	2.1	0
3	Nonlinear interferometry beyond classical limit enabled by cyclic dynamics. Nature Physics, 2022, 18, 167-171.	16.7	20
4	Faster State Preparation across Quantum Phase Transition Assisted by Reinforcement Learning. Physical Review Letters, 2021, 126, 060401.	7.8	28
5	Two-color optical nonlinearity in an ultracold Rydberg atom gas mixture. Physical Review A, 2021, 103, .	2.5	6
6	Atom-Photon Spin-Exchange Collisions Mediated by Rydberg Dressing. Physical Review Letters, 2020, 125, 143601.	7.8	7
7	Collision-Induced Broadband Optical Nonreciprocity. Physical Review Letters, 2020, 125, 123901.	7.8	58
8	Double-degenerate Bose-Fermi mixture of strontium and lithium. Physical Review A, 2020, 102, .	2.5	7
9	High-resolution imaging of Rydberg atoms in optical lattices using an aspheric-lens objective in vacuum. Review of Scientific Instruments, 2020, 91, 063202.	1.3	4
10	Multi-parameter estimation with multi-mode Ramsey interferometry. New Journal of Physics, 2020, 22, 043005.	2.9	7
11	Quantum Transport of Rydberg Excitons with Synthetic Spin-Exchange Interactions. Physical Review Letters, 2019, 123, 063001.	7.8	14
12	Extreme spin squeezing from deep reinforcement learning. Physical Review A, 2019, 100, .	2.5	12
13	Intracavityâ€Squeezed Optomechanical Cooling. Laser and Photonics Reviews, 2019, 13, 1900120.	8.7	37
14	Manipulating photonic quantum states with long-range interactions. Physical Review A, 2019, 99, .	2.5	4
15	Enhancing test precision for local Lorentz-symmetry violation with entanglement. Physical Review A, 2019, 99, .	2.5	8
16	Uniaxial Dynamical Decoupling for an Open Quantum System. Physical Review Letters, 2019, 122, 010408.	7.8	6
17	Broad Feshbach resonances in ultracold alkali-metal systems. Physical Review A, 2018, 98, .	2.5	14
18	Beating the classical precision limit with spin-1 Dicke states of more than 10,000 atoms. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 6381-6385.	7.1	94

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19	Resonant spin exchange between heteronuclear atoms assisted by periodic driving. Physical Review A, 2018, 98, .	2.5	5
20	Universal driven critical dynamics across a quantum phase transition in ferromagnetic spinor atomic Bose-Einstein condensates. Physical Review A, 2018, 98, .	2.5	25
21	Productions of Many Atom Entangled States and Their Interferometric Applications. , 2018, , .		0
22	Deterministic entanglement generation from driving through quantum phase transitions. Science, 2017, 355, 620-623.	12.6	186
23	Generating topological optical flux lattices for ultracold atoms by modulated Raman and radio-frequency couplings. Physical Review A, 2017, 95, .	2.5	0
24	Anti- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math> symmetry in dissipatively coupled optical systems. Physical Review A, 2017, 96, .	2.5	123
25	Observation of Broad <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>d</mml:mi></mml:math> -Wave Feshbach Resonances with a Triplet Structure. Physical Review Letters, 2017, 119, 203402.	7.8	33
26	Observation of broad <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>p</mml:mi></mml:math> -wave Feshbach resonances in ultracold <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>85</mml:mn></mml:mmultiscripts><mml:mo>−</mml:mo><mml:mmultiscripts><mml:mi>Rb</mml:mi><mml:mprescripts /><mml:none /><mml:mn>87</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> mixtures.	2.5	20
27	Observation of Dirac Bosons and Topological Edge Excitations in a Bosonic Chiral <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>l</mml:mi></mml:math>-Flux Ladder. Physical Review Letters, 2016, 117, 085301.	7.8	33
28	Dynamical Generation of Topological Magnetic Lattices for Ultracold Atoms. Physical Review Letters, 2016, 116, 143003.	7.8	9
29	Multichannel quantum-defect theory for ion-atom interactions. Physical Review A, 2014, 89, .	2.5	17
30	Observing second sound in ultracold Fermi gases. National Science Review, 2014, 1, 2-3.	9.5	1
31	Correlation, entropy, and information transfer in black hole radiation. Science Bulletin, 2014, 59, 1057-1065.	1.7	3
32	Atomic spin-orbit coupling synthesized with magnetic-field-gradient pulses. Physical Review A, 2013, 87, .	2.5	99
33	Towards experimentally testing the paradox of black hole information loss. Physical Review D, 2013, 87, .	4.7	12
34	Ultracold collisions in the presence of synthetic spin-orbit coupling. Physical Review A, 2013, 87, .	2.5	22
35	INFORMATION CONSERVATION IS FUNDAMENTAL: RECOVERING THE LOST INFORMATION IN HAWKING RADIATION. International Journal of Modern Physics D, 2013, 22, 1341014.	2.1	42
36	An interpretation for the entropy of a black hole. General Relativity and Gravitation, 2011, 43, 797-804.	2.0	9

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37	Optimal phase sensitivity of atomic Ramsey interferometers with coherent spin states. Frontiers of Physics, 2011, 6, 251-257.	5.0	5
38	Coherent spinor dynamics in a spin-1 BoseÂcondensate. Nature Physics, 2005, 1, 111-116.	16.7	338
39	Creating Massive Entanglement of Bose-Einstein Condensed Atoms. Physical Review Letters, 2001, 87, 170402.	7.8	103
40	Refining molecular potentials using atom interferometry. Physical Review A, 1997, 55, R3311-R3314.	2.5	14