

Xiaoji Zhou

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9714816/publications.pdf>

Version: 2024-02-01

57
papers

589
citations

623699

14
h-index

713444

21
g-index

57
all docs

57
docs citations

57
times ranked

279
citing authors

#	ARTICLE	IF	CITATIONS
1	Improve the performance of interferometer with ultra-cold atoms*. Chinese Physics B, 2021, 30, 014210.	1.4	3
2	Evidence of Potts-Nematic Superfluidity in a Hexagonal s p 2 Optical Lattice. Physical Review Letters, 2021, 126, 035301.	7.8	34
3	Spin-induced orbital frustration in a hexagonal optical lattice. Physical Review Research, 2021, 3, .	3.6	5
4	Dominant scattering channel induced by two-body collision of D-band atoms in a triangular optical lattice. Physical Review A, 2021, 104, .	2.5	7
5	Observation of Many-Body Quantum Phase Transitions beyond the Kibble-Zurek Mechanism. Physical Review Letters, 2021, 127, 200601.	7.8	12
6	Atom-orbital qubit under nonadiabatic holonomic quantum control. Physical Review A, 2021, 104, .	2.5	9
7	Simulation of a nodal-line semimetal in amplitude-shaken optical lattices. Physical Review A, 2020, 102, .	2.5	1
8	Implementation of a double-path multimode interferometer using a spinor Bose-Einstein condensate. Physical Review A, 2020, 101, .	2.5	3
9	Finite temperature phase transition in a cross-dimensional triangular lattice. New Journal of Physics, 2019, 21, 073015.	2.9	9
10	Parallel multicomponent interferometer with a spinor Bose-Einstein condensate. Physical Review A, 2019, 100, .	2.5	7
11	Observation of atom-number fluctuations in optical lattices via quantum collapse and revival dynamics. Physical Review A, 2019, 99, .	2.5	6
12	Extraction and identification of noise patterns for ultracold atoms in an optical lattice. Optics Express, 2019, 27, 12710.	3.4	10
13	Asymmetric population of momentum distribution by quasi-periodically driving a triangular optical lattice. Optics Express, 2019, 27, 27786.	3.4	6
14	Shortcut loading a Bose-Einstein condensate into an optical lattice. New Journal of Physics, 2018, 20, 055005.	2.9	34
15	Observation of a Dynamical Sliding Phase Superfluid with P -Band Bosons. Physical Review Letters, 2018, 121, 265301.	7.8	30
16	Optimized fringe removal algorithm for absorption images. Applied Physics Letters, 2018, 113, 144103.	3.3	13
17	Ramsey interferometry with trapped motional quantum states. Communications Physics, 2018, 1, .	5.3	26
18	High precision calibration of optical lattice depth based on multiple pulses Kapitza-Dirac diffraction. Optics Express, 2018, 26, 16726.	3.4	6

#	ARTICLE	IF	CITATIONS
19	Atomic momentum patterns with narrower intervals. Physical Review A, 2016, 94, .	2.5	9
20	Observation of quantum equilibration in dilute Bose gases. Physical Review A, 2016, 94, .	2.5	5
21	Observation of quantum dynamical oscillations of ultracold atoms in the F and D bands of an optical lattice. Physical Review A, 2016, 94, .	2.5	21
22	Long-time nonlinear dynamical evolution for P -band ultracold atoms in an optical lattice. Physical Review A, 2015, 92, .	2.5	21
23	Multiple photon-echo rephasing of coherent matter waves. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 691-695.	2.1	0
24	A simplified method for calculating the ac Stark shift of hyperfine levels of alkali-metal atoms. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1347-1353.	2.1	3
25	Excitation of atoms in an optical lattice driven by polychromatic amplitude modulation. Optics Express, 2015, 23, 10064.	3.4	14
26	Measurement of Critical correlations in an ultracold Bose gas by means of a temporal Talbot-Lau interferometry. Journal of Physics: Conference Series, 2014, 488, 012026.	0.4	0
27	Density operator description of atomic ordered spatial modes in cavity QED. Optics Communications, 2013, 306, 83-89.	2.1	1
28	MANIPULATION OF A BOSE-EINSTEIN CONDENSATE. Annual Review of Cold Atoms and Molecules, 2013, , 189-259.	2.8	0
29	Critical correlations in an ultra-cold Bose gas revealed by means of a temporal Talbot-Lau interferometer. Laser Physics Letters, 2013, 10, 125502.	1.4	8
30	Asymmetric superradiant scattering and abnormal mode amplification induced by atomic density distortion. Optics Express, 2013, 21, 14377.	3.4	3
31	A momentum filter for atomic gas. New Journal of Physics, 2013, 15, 063025.	2.9	5
32	Bragg diffraction of a matter wave driven by a pulsed nonuniform magnetic field. Physical Review A, 2013, 88, .	2.5	5
33	Observation of diffraction phases in matter-wave scattering. Physical Review A, 2013, 88, .	2.5	8
34	Effective preparation and collisional decay of atomic condensates in excited bands of an optical lattice. Physical Review A, 2013, 87, .	2.5	35
35	Manipulating the momentum state of a condensate by sequences of standing-wave pulses. Physical Review A, 2011, 84, .	2.5	16
36	Exploring multiband excitations of interacting Bose gases in a one-dimensional optical lattice by coherent scattering. Physical Review A, 2011, 83, .	2.5	4

#	ARTICLE	IF	CITATIONS
37	Rapid nonadiabatic loading in an optical lattice. <i>Physical Review A</i> , 2011, 83, .	2.5	22
38	Mode competition in superradiant scattering of matter waves. <i>Physical Review A</i> , 2011, 83, .	2.5	4
39	Cooperative scattering measurement of coherence in a spatially modulated Bose gas. <i>Physical Review A</i> , 2011, 83, .	2.5	4
40	Laser driving of superradiant scattering from a Bose-Einstein condensate at variable incidence angle. <i>Physical Review A</i> , 2011, 83, .	2.5	8
41	Magic wavelengths for terahertz clock transitions. <i>Physical Review A</i> , 2010, 81, .	2.5	36
42	Atomic spatial coherence with spontaneous emission in a strong-coupling cavity. <i>Physical Review A</i> , 2010, 82, .	2.5	1
43	Roughness with a finite correlation length in a microtrap. <i>Physical Review A</i> , 2010, 81, .	2.5	1
44	Imprinting light phase on matter-wave gratings in superradiance scattering. <i>Physical Review A</i> , 2010, 81, .	2.5	21
45	Observation of a Red-Blue Detuning Asymmetry in Matter-Wave Superradiance. <i>Physical Review Letters</i> , 2010, 105, 220404.	7.8	26
46	Detecting quantum coherence of Bose gases in optical lattices by scattering light intensity in cavity. <i>Optics Express</i> , 2010, 18, 15664.	3.4	6
47	Spectroscopy of superradiant scattering from an array of Bose-Einstein condensates. <i>Physical Review A</i> , 2009, 79, .	2.5	8
48	Cooperative atomic scattering of light from a laser with a colored noise spectrum. <i>Physical Review A</i> , 2009, 80, .	2.5	9
49	High-order momentum modes by resonant superradiant scattering. <i>Physical Review A</i> , 2009, 80, .	2.5	4
50	Superradiant Rayleigh scattering from a Bose-Einstein condensate with the incident laser along the long axis. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2008, 372, 4750-4753.	2.1	17
51	Resonant sequential scattering in two-frequency-pumping superradiance from a Bose-Einstein condensate. <i>Physical Review A</i> , 2008, 78, .	2.5	21
52	Enhancement of motional entanglement of cold atoms by pairwise scattering of photons. <i>Physical Review A</i> , 2008, 78, .	2.5	7
53	Controllable Majorana Transition in Spinor Bose-Einstein Condensate. , 2007, , .		0
54	Population oscillation of the multicomponent spinor Bose-Einstein condensate induced by nonadiabatic transitions. <i>Physical Review A</i> , 2006, 73, .	2.5	15

#	ARTICLE	IF	CITATIONS
55	Oscillation of multicomponent Bose-Einstein condensats. , 2006, , .		0
56	Beyond Fountain. , 2006, , .		0
57	Generating multiple components of Bose-Condensate by controllable QUIC trap. , 0, , .		0