

Zhaoxin Liang

List of Publications by Year in descending order

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27
papers

267
citations

933447

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996975

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all docs

27
docs citations

27
times ranked

235
citing authors

#	ARTICLE	IF	CITATIONS
1	Gap solitons and Bloch waves in nonlinear periodic systems. <i>Physical Review A</i> , 2009, 80, .	2.5	37
2	Bragg spectroscopy of a superfluid Bose-Hubbard gas. <i>New Journal of Physics</i> , 2010, 12, 083025.	2.9	26
3	Quantum phases of a dipolar Bose-Einstein condensate in an optical lattice with three-body interaction. <i>Physical Review A</i> , 2010, 82, .	2.5	23
4	Ground-state phase diagram of a spin-orbit-coupled bosonic superfluid in an optical lattice. <i>Physical Review A</i> , 2016, 93, .	2.5	22
5	Effects of disorder on quantum fluctuations and superfluid density of a Bose-Einstein condensate in a two-dimensional optical lattice. <i>Physical Review A</i> , 2009, 80, .	2.5	13
6	Visualization of Dimensional Effects in Collective Excitations of Optically Trapped Quasi-Two-Dimensional Bose Gases. <i>Physical Review Letters</i> , 2011, 107, 110401.	7.8	13
7	Spinor polariton condensates under nonresonant pumping: Steady states and elementary excitations. <i>Physical Review B</i> , 2017, 96, .	3.2	13
8	Tail-free self-accelerating solitons and vortices. <i>Physical Review A</i> , 2019, 99, .	2.5	13
9	Probing the flat band of optically trapped spin-orbital-coupled Bose gases using Bragg spectroscopy. <i>Physical Review A</i> , 2015, 91, .	2.5	12
10	Dynamics of Two Dark Solitons in a Polariton Condensate. <i>Chinese Physics Letters</i> , 2022, 39, 020501.	3.3	12
11	Fidelity susceptibility and topological phase transition of a two-dimensional spin-orbit-coupled Fermi superfluid. <i>Physical Review A</i> , 2014, 89, .	2.5	11
12	Floquet and anomalous Floquet Weyl semimetals. <i>Physical Review Research</i> , 2020, 2, .	3.6	11
13	Steady-state phase diagram of quantum gases in a lattice coupled to a membrane. <i>Physical Review A</i> , 2019, 99, .	2.5	8
14	Dark-bright solitons in spinor polariton condensates under nonresonant pumping. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2019, 52, 025303.	1.5	8
15	Collective excitations of a trapped Bose-Einstein condensate in the presence of weak disorder and a two-dimensional optical lattice. <i>Physical Review A</i> , 2010, 81, .	2.5	7
16	Beliaev Damping of a Spin-Orbit-Coupled Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2018, 121, 180401.	7.8	7
17	Nonequilibrium Landau-Zener tunneling in exciton-polariton condensates. <i>Physical Review A</i> , 2020, 102, .	2.5	6
18	The non-Hermitian geometrical property of 1D Lieb lattice under Majorana's stellar representation. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 425402.	1.8	6

#	ARTICLE	IF	CITATIONS
19	Optically trapped quasi-two-dimensional Bose gases in a random environment: Quantum fluctuations and superfluid density. <i>Physical Review A</i> , 2010, 82, .	2.5	4
20	Nonequilibrium quantum phase transition in a spinor quantum gas in a lattice coupled to a membrane. <i>Physical Review A</i> , 2019, 100, .	2.5	4
21	DIMENSIONAL CROSSOVER AND DIMENSIONAL EFFECTS IN QUASI-TWO-DIMENSIONAL BOSE GASES. <i>Modern Physics Letters B</i> , 2013, 27, 1330010.	1.9	3
22	Probing Sound Speed of an Optically-Trapped Bose Gas with Periodically Modulated Interactions by Bragg Spectroscopy. <i>Journal of Low Temperature Physics</i> , 2014, 177, 291-304.	1.4	3
23	Unusual behavior of sound velocity of a Bose gas in an optical superlattice at quasi-one-dimension. <i>European Physical Journal D</i> , 2014, 68, 1.	1.3	2
24	Non-equilibrium dynamics of an ultracold Bose gas under multi-pulsed interaction quenches. <i>Modern Physics Letters B</i> , 2016, 30, 1650367.	1.9	1
25	Drag force of an exciton-polariton condensate under nonresonant pumping. <i>Physical Review A</i> , 2021, 103, .	2.5	1
26	Dissipative Magnetic Soliton in a Spinor Polariton Bose-Einstein Condensate. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	1
27	Polariton Bose-Einstein condensate with spatially periodic interaction. <i>Modern Physics Letters B</i> , 2019, 33, 1950382.	1.9	0