

# Zhaoxin Liang

## List of Publications by Year in descending order

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27  
papers

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citations

933447

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996975

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27  
all docs

27  
docs citations

27  
times ranked

235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of Two Dark Solitons in a Polariton Condensate. Chinese Physics Letters, 2022, 39, 020501.	3.3	12
2	Drag force of an exciton-polariton condensate under nonresonant pumping. Physical Review A, 2021, 103, .	2.5	1
3	Dissipative Magnetic Soliton in a Spinor Polariton Bose-Einstein Condensate. Frontiers in Physics, 2021, 9, .	2.1	1
4	Nonequilibrium Landau-Zener tunneling in exciton-polariton condensates. Physical Review A, 2020, 102, .	2.5	6
5	The non-Hermitian geometrical property of 1D Lieb lattice under Majorana's stellar representation. Journal of Physics Condensed Matter, 2020, 32, 425402.	1.8	6
6	Floquet and anomalous Floquet Weyl semimetals. Physical Review Research, 2020, 2, .	3.6	11
7	Polariton Bose-Einstein condensate with spatially periodic interaction. Modern Physics Letters B, 2019, 33, 1950382.	1.9	0
8	Steady-state phase diagram of quantum gases in a lattice coupled to a membrane. Physical Review A, 2019, 99, .	2.5	8
9	Tail-free self-accelerating solitons and vortices. Physical Review A, 2019, 99, .	2.5	13
10	Nonequilibrium quantum phase transition in a spinor quantum gas in a lattice coupled to a membrane. Physical Review A, 2019, 100, .	2.5	4
11	Dark-bright solitons in spinor polariton condensates under nonresonant pumping. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 025303.	1.5	8
12	Beliaev Damping of a Spin-Orbit-Coupled Bose-Einstein Condensate. Physical Review Letters, 2018, 121, 180401.	7.8	7
13	Spinor polariton condensates under nonresonant pumping: Steady states and elementary excitations. Physical Review B, 2017, 96, .	3.2	13
14	Ground-state phase diagram of a spin-orbit-coupled bosonic superfluid in an optical lattice. Physical Review A, 2016, 93, .	2.5	22
15	Non-equilibrium dynamics of an ultracold Bose gas under multi-pulsed interaction quenches. Modern Physics Letters B, 2016, 30, 1650367.	1.9	1
16	Probing the flat band of optically trapped spin-orbital-coupled Bose gases using Bragg spectroscopy. Physical Review A, 2015, 91, .	2.5	12
17	Probing Sound Speed of an Optically-Trapped Bose Gas with Periodically Modulated Interactions by Bragg Spectroscopy. Journal of Low Temperature Physics, 2014, 177, 291-304.	1.4	3
18	Fidelity susceptibility and topological phase transition of a two-dimensional spin-orbit-coupled Fermi superfluid. Physical Review A, 2014, 89, .	2.5	11

#	ARTICLE	IF	CITATIONS
19	Unusual behavior of sound velocity of a Bose gas in an optical superlattice at quasi-one-dimension. European Physical Journal D, 2014, 68, 1.	1.3	2
20	DIMENSIONAL CROSSOVER AND DIMENSIONAL EFFECTS IN QUASI-TWO-DIMENSIONAL BOSE GASES. Modern Physics Letters B, 2013, 27, 1330010.	1.9	3
21	Visualization of Dimensional Effects in Collective Excitations of Optically Trapped Quasi-Two-Dimensional Bose Gases. Physical Review Letters, 2011, 107, 110401.	7.8	13
22	Optically trapped quasi-two-dimensional Bose gases in a random environment: Quantum fluctuations and superfluid density. Physical Review A, 2010, 82, .	2.5	4
23	Quantum phases of a dipolar Bose-Einstein condensate in an optical lattice with three-body interaction. Physical Review A, 2010, 82, .	2.5	23
24	Collective excitations of a trapped Bose-Einstein condensate in the presence of weak disorder and a two-dimensional optical lattice. Physical Review A, 2010, 81, .	2.5	7
25	Bragg spectroscopy of a superfluid Bose-Hubbard gas. New Journal of Physics, 2010, 12, 083025.	2.9	26
26	Effects of disorder on quantum fluctuations and superfluid density of a Bose-Einstein condensate in a two-dimensional optical lattice. Physical Review A, 2009, 80, .	2.5	13
27	Gap solitons and Bloch waves in nonlinear periodic systems. Physical Review A, 2009, 80, .	2.5	37