

# Ling Zhou

## List of Publications by Year in descending order

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63  
papers

769  
citations

516710

16  
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552781

26  
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64  
all docs

64  
docs citations

64  
times ranked

324  
citing authors

#	ARTICLE	IF	CITATIONS
1	Entanglement of nanomechanical oscillators and two-mode fields induced by atomic coherence. Physical Review A, 2011, 83, .	2.5	92
2	Simultaneous blockade of a photon, phonon, and magnon induced by a two-level atom. Physical Review A, 2020, 101, .	2.5	58
3	Optomechanical cooling in the non-Markovian regime. Physical Review A, 2016, 93, .	2.5	42
4	Optomechanical force sensor in a non-Markovian regime. New Journal of Physics, 2017, 19, 083022.	2.9	40
5	Single-photon multi-ports router based on the coupled cavity optomechanical system. Scientific Reports, 2016, 6, 39343.	3.3	36
6	Controlling photon transport in the single-photon weak-coupling regime of cavity optomechanics. Physical Review A, 2015, 91, .	2.5	31
7	Preservation Macroscopic Entanglement of Optomechanical Systems in non-Markovian Environment. Scientific Reports, 2016, 6, 23678.	3.3	31
8	Improve microwave quantum illumination via optical parametric amplifier. Annals of Physics, 2017, 385, 757-768.	2.8	29
9	Optomechanical quadrature squeezing in the non-Markovian regime. Optics Letters, 2018, 43, 6053.	3.3	29
10	Electromagnetically and optomechanically induced transparency and amplification in an atom-assisted cavity optomechanical system. Physical Review A, 2019, 100, .	2.5	23
11	Nonlinearity enhancement in optomechanical systems. Physical Review A, 2013, 88, .	2.5	22
12	A macroscopical entangled coherent state generator in a V configuration atom system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2008, 41, 025501.	1.5	21
13	Enhanced entanglement between a movable mirror and a cavity field assisted by two-level atoms. Journal of Applied Physics, 2012, 111, .	2.5	21
14	Generation of entangled Schrödinger cat state of two macroscopic mirrors. Optics Express, 2019, 27, 13547.	3.4	21
15	Generation of multi-mode-entangled light. Optics Communications, 2009, 282, 1593-1597.	2.1	17
16	Spontaneously generated atomic entanglement in free space reinforced by incoherent pumping. Physical Review A, 2009, 79, .	2.5	16
17	Control of correlated two-photon transport in a one-dimensional waveguide. Physical Review A, 2012, 85, .	2.5	16
18	State transfer and entanglement of two mechanical oscillators in coupled cavity optomechanical system. Journal of Modern Optics, 2014, 61, 1180-1186.	1.3	14

#	ARTICLE	IF	CITATIONS
19	Output squeezing and entanglement generation from a single atom with respect to a low-Qcavity. Physical Review A, 2010, 81, .	2.5	13
20	Robust fermionic-mode entanglement of a nanoelectronic system in non-Markovian environments. Physical Review A, 2015, 91, .	2.5	13
21	Nonreciprocal amplification in a cavity magnonics system. Physical Review A, 2022, 105, .	2.5	13
22	Dissipation of System and Atom in Two-Photon Jaynes-Cummings Model with Degenerate Atomic Levels. International Journal of Theoretical Physics, 2005, 44, 1373-1382.	1.2	11
23	Electromagnetically induced transparency in cavity optomechanical system with $\Lambda$ -type atomic medium. Journal of Modern Optics, 2013, 60, 431-436.	1.3	11
24	The quadrature squeezing of a mirror in cavity optomechanics coupled with atomic media. European Physical Journal D, 2013, 67, 1.	1.3	10
25	Multiple Optomechanically Induced Transparency in a Ring Cavity Optomechanical System Assisted by Atomic Media. International Journal of Theoretical Physics, 2015, 54, 3665-3675.	1.2	10
26	Force sensing in a dual-mode optomechanical system with linear-quadratic coupling and modulated photon hopping. Optics Letters, 2021, 46, 3075.	3.3	10
27	Electromagnetically induced transparency in a quadratically coupled optomechanical system with an atomic medium. Journal of Modern Optics, 2012, 59, 1336-1341.	1.3	9
28	Strong Squeezing of Duffing Oscillator in a Highly Dissipative Optomechanical Cavity System. Annalen Der Physik, 2020, 532, 1900596.	2.4	9
29	Thermal Entanglement of XXZ Heisenberg Chain under Rectangle Magnetic Field. International Journal of Theoretical Physics, 2007, 46, 2437-2442.	1.2	7
30	Generating a Squeezed-Coherent-Cat State in a Double-Cavity Optomechanical System. Annalen Der Physik, 2019, 531, 1900196.	2.4	7
31	Atom-Mediated Phonon Blockade and Controlled-Z Gate in Superconducting Circuit System. Annalen Der Physik, 2021, 533, 2100039.	2.4	7
32	Entangling Two-Atom Through Cooperative Interaction Under Stimulated Emission. International Journal of Theoretical Physics, 2006, 45, 2247-2256.	1.2	6
33	CERTAIN QUANTUM KEY DISTRIBUTION ACHIEVED BY USING BELL STATES. International Journal of Quantum Information, 2006, 04, 899-906.	1.1	6
34	Entanglement of two movable mirrors and two-mode cavity fields generated by a single four-level atom. European Physical Journal D, 2013, 67, 1.	1.3	6
35	Entanglement Teleportation Via a Two-qubit Heisenberg Chain under a Nonuniform Magnetic Field. International Journal of Theoretical Physics, 2008, 47, 1836-1843.	1.2	5
36	The Simultaneous Ground-State Cooling and Synchronization of Two Mechanical Oscillators by Driving Nonlinear Medium. Annalen Der Physik, 2022, 534, .	2.4	5

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37	Entanglement of Two Atoms in Insulator and Superfluid States. International Journal of Theoretical Physics, 2011, 50, 2552-2559.	1.2	4
38	Entanglement of Coupled Optomechanical Systems Improved by Optical Parametric Amplifiers. International Journal of Theoretical Physics, 2016, 55, 3697-3705.	1.2	4
39	The synchronization and entanglement of optomechanical systems. Journal of Modern Optics, 2017, 64, 578-582.	1.3	4
40	Measurement of the mechanical reservoir spectral density in an optomechanical system. Physical Review A, 2021, 103, .	2.5	4
41	Quantum Correlations Between a Pair of Photons in $\hat{\sigma}^z$ -Type Atom. International Journal of Theoretical Physics, 2007, 46, 3242-3246.	1.2	3
42	Frequency conversion and entanglement in V configuration atomic ensemble. Optics Communications, 2010, 283, 265-269.	2.1	3
43	Remote weak-signal measurement via bound states in optomechanical systems. Communications in Theoretical Physics, 2021, 73, 025102.	2.5	3
44	Backaction Evading and Amplification of Weak Force Signal in an Optomechanical System. Annalen Der Physik, 2022, 534, .	2.4	3
45	Bright entanglement generated in a four-level laser. Journal of Modern Optics, 2009, 56, 1607-1612.	1.3	2
46	Generation of Cluster-Type Entangled Coherent States via Cavity QED. International Journal of Theoretical Physics, 2010, 49, 128-133.	1.2	2
47	Generation of Genuine Tripartite Macroscopic Entanglement in Y-type System. International Journal of Theoretical Physics, 2010, 49, 2841-2851.	1.2	2
48	The Correlated Two-Photon Transport in a One-Dimensional Waveguide Coupling to a Hybrid Atom-Optomechanical System. International Journal of Theoretical Physics, 2016, 55, 4620-4630.	1.2	2
49	Bistability and Entanglement of a Two-Mode Cavity Optomechanical System. International Journal of Theoretical Physics, 2016, 55, 901-910.	1.2	2
50	Entanglement of Optical and Mechanical Modes Enhanced in Distant Optomechanical Systems by Atomic Coherence. International Journal of Theoretical Physics, 2016, 55, 329-337.	1.2	2
51	Improve the sensitivity of an optomechanical sensor with the auxiliary mechanical oscillator. European Physical Journal D, 2018, 72, 1.	1.3	2
52	Nonreciprocal Amplification in Coupled Rotating Cavities Around Exceptional Points. Annalen Der Physik, 2021, 533, 2000405.	2.4	2
53	Improving the sensitivity of weak microwave signal detection with optomechanical system under non-Markovian regime. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1363.	2.1	2
54	QUANTUM ENTANGLEMENT OF PHOTONS IN DOUBLED q-FOCK SPACE. Modern Physics Letters A, 2001, 16, 2579-2589.	1.2	1

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55	Perfect State Transfer and Entanglement Generation with Coupled Cavities. International Journal of Theoretical Physics, 2010, 49, 120-127.	1.2	1
56	The simulation of XYZ-spin chain in coupled cavities. Optics Communications, 2011, 284, 2250-2253.	2.1	1
57	Control of Two-Photon Transport in a One-Dimensional Waveguide. International Journal of Theoretical Physics, 2012, 51, 2237-2245.	1.2	1
58	Pulse Transmission and State Conversion in Two-mode Optomechanical Cavity Coupled with Atomic Medium. International Journal of Theoretical Physics, 2014, 53, 2810-2818.	1.2	1
59	The nonclassical effects in coupled optomechanical array. Journal of Modern Optics, 2015, 62, 1076-1080.	1.3	1
60	Scheme to generate three-mode continuous-variable entanglement in cavity quantum electrodynamics. Optics Communications, 2011, 284, 1090-1093.	2.1	0
61	Simulation of Three-Spin Interaction in Coupled Cavities Chain. International Journal of Theoretical Physics, 2013, 52, 3011-3019.	1.2	0
62	Quantum Nondemolition Measurement of Entangled Atomic Ensembles in Coupled Cavity System. International Journal of Theoretical Physics, 2014, 53, 4057-4064.	1.2	0
63	Unidirectional amplification in optomechanical system coupling with a structured bath. Optics Express, 2022, 30, 21649.	3.4	0