Jietai Jing

List of Publications by Year
in descending order

79 papers	2,672 citations	304743 22 h-index	189892 50 g-index
79 all docs	79 docs citations	79 times ranked	1013 citing authors

#	Article	IF	Citations
1	Quantum Dense Coding Exploiting a Bright Einstein-Podolsky-Rosen Beam. Physical Review Letters, 2002, 88, 047904.	7.8	361
2	Quantum metrology with parametric amplifier-based photon correlation interferometers. Nature Communications, 2014, 5, 3049.	12.8	322
3	Experimental Demonstration of Tripartite Entanglement and Controlled Dense Coding for Continuous Variables. Physical Review Letters, 2003, 90, 167903.	7.8	316
4	Experimental Generation of Multiple Quantum Correlated Beams from Hot Rubidium Vapor. Physical Review Letters, 2014, 113, 023602.	7.8	153
5	Realization of a nonlinear interferometer with parametric amplifiers. Applied Physics Letters, 2011, 99, .	3.3	152
6	Orbital angular momentum multiplexed deterministic all-optical quantum teleportation. Nature Communications, 2020, 11, 3875.	12.8	93
7	Entanglement of nanomechanical oscillators and two-mode fields induced by atomic coherence. Physical Review A, 2011, 83, .	2.5	92
8	Orbital-Angular-Momentum Multiplexed Continuous-Variable Entanglement from Four-Wave Mixing in Hot Atomic Vapor. Physical Review Letters, 2019, 123, 070506.	7.8	83
9	Deterministic Generation of Orbital-Angular-Momentum Multiplexed Tripartite Entanglement. Physical Review Letters, 2020, 124, 083605.	7.8	73
10	Reconfigurable Hexapartite Entanglement by Spatially Multiplexed Four-Wave Mixing Processes. Physical Review Letters, 2020, 124, 090501.	7.8	65
11	Realization of low frequency and controllable bandwidth squeezing based on a four-wave-mixing amplifier in rubidium vapor. Optics Letters, 2011, 36, 2979.	3.3	59
12	Quantum squeezing and entanglement from a two-mode phase-sensitive amplifier via four-wave mixing in rubidium vapor. New Journal of Physics, 2015, 17, 023027.	2.9	51
13	Quantum-network generation based on four-wave mixing. Physical Review A, 2015, 91, .	2.5	50
14	Single-step fabrication of scalable multimode quantum resources using four-wave mixing with a spatially structured pump. Physical Review A, 2017, 95, .	2.5	49
15	Compact diode-laser-pumped quantum light source based on four-wave mixing in hot rubidium vapor. Optics Letters, 2012, 37, 3141.	3.3	47
16	Interference-Induced Quantum Squeezing Enhancement in a Two-beam Phase-Sensitive Amplifier. Physical Review Letters, 2019, 123, 113602.	7.8	47
17	Orbital Angular Momentum Multiplexed Quantum Dense Coding. Physical Review Letters, 2021, 127, 093601.	7.8	44
18	Experimental investigation of the visibility dependence in a nonlinear interferometer using parametric amplifiers. Applied Physics Letters, 2013, 102, .	3.3	40

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19	Experimental generation of quadruple quantum-correlated beams from hot rubidium vapor by cascaded four-wave mixing using spatial multiplexing. Physical Review A, 2017, 95, .	2.5	35
20	Large-Scale Quantum Network over 66 Orbital Angular Momentum Optical Modes. Physical Review Letters, 2020, 125, 140501.	7.8	34
21	Quantum Enhancement of Phase Sensitivity for the Bright-Seeded SU(1,1) Interferometer with Direct Intensity Detection. Physical Review Applied, 2018, 10, .	3.8	33
22	Continuous-variable cluster-state generation over the optical spatial mode comb. Physical Review A, 2014, 90, .	2.5	32
23	Experimental characterization of quantum correlated triple beams generated by cascaded four-wave mixing processes. Applied Physics Letters, 2015, 106, .	3.3	22
24	Generation of tripartite entanglement from cascaded four-wave mixing processes. Optics Express, 2016, 24, 23459.	3.4	22
25	Enhanced Raman scattering by spatially distributed atomic coherence. Applied Physics Letters, 2009, 95, 041115.	3.3	21
26	Two-beam pumped cascaded four-wave-mixing process for producing multiple-beam quantum correlation. Physical Review A, 2018, 97, .	2.5	21
27	Generation of quadripartite entanglement from cascaded four-wave-mixing processes. Physical Review A, 2017, 96, .	2.5	20
28	All-Optical Entanglement Swapping. Physical Review Letters, 2022, 128, 060503.	7.8	19
29	Enhancement of entanglement using cascaded four-wave mixing processes. Optics Letters, 2017, 42, 366.	3.3	17
30	Experimental implementation of phase locking in a nonlinear interferometer. Applied Physics Letters, 2015, 107, .	3.3	16
31	Quantum steering in cascaded four-wave mixing processes. Optics Express, 2017, 25, 17457.	3.4	15
32	Optical logic gates using coherent feedback. Applied Physics Letters, 2012, 101, .	3.3	14
33	Experimental realization of a feedback optical parametric amplifier with four-wave mixing. Physical Review B, 2018, 97, .	3.2	14
34	Experimental implementation of a nonlinear beamsplitter based on a phase-sensitive parametric amplifier. Applied Physics Letters, 2016, 108, .	3.3	13
35	LD pumped intracavity frequency-doubled and frequency-stabilized Nd:YAP/KTP laser with 1.1 W output at 540 nm. Optics Communications, 2002, 201, 165-171.	2.1	12
36	Experimental characterization of pairwise correlations from triple quantum correlated beams generated by cascaded four-wave mixing processes. Applied Physics Letters, 2018, 112, .	3.3	12

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37	Experimental characterization of pairwise correlations from quadruple quantum correlated beams generated by cascaded four-wave mixing processes. Applied Physics Letters, 2018, 112, .	3.3	12
38	Experimental observation of quantum correlations in four-wave mixing with a conical pump. Optics Letters, 2017, 42, 1201.	3.3	12
39	Quantum-enhanced stochastic phase estimation with the SU(1,1) interferometer. Photonics Research, 2020, 8, 1653.	7.0	12
40	Coherently enhanced Raman scattering in atomic vapor. Physical Review A, 2010, 82, .	2.5	11
41	All-Optical Optimal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>N</mml:mi></mml:math> -to- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>M</mml:mi></mml:math> Quantum Cloning of Coherent States. Physical Review Letters, 2021, 126, 060503.	7.8	11
42	Multidimensional four-wave mixing signals detected by quantum squeezed light. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	11
43	Experimental observation of multi-spatial-mode quantum correlations in four-wave mixing with a conical pump and a conical probe. Applied Physics Letters, 2017, 110, 241103.	3.3	9
44	Nonlinear Sagnac interferometer based on the four-wave mixing process. Optics Express, 2017, 25, 1350.	3.4	9
45	Detection of Linkage Between Solar and Lunar Cycles and Runoff of the World's Large Rivers. Earth and Space Science, 2019, 6, 914-930.	2.6	8
46	Ultralow-light-level all-optical transistor in rubidium vapor. Applied Physics Letters, 2014, 104, 151103.	3.3	7
47	Phase-sensitive cascaded four-wave-mixing processes for generating three quantum correlated beams. Physical Review A, 2017, 95, .	2.5	7
48	Experimental characterization of multiple quantum correlated beams in two-beam pumped cascaded four-wave mixing process. Optics Express, 2019, 27, 37999.	3.4	7
49	Self-healing of multipartite entanglement in optical quantum networks. Optica, 2022, 9, 663.	9.3	7
50	Characterization of Pairwise Correlations from Multiple Quantum Correlated Beams Generated from Cascaded Four-Wave Mixing Processes. Scientific Reports, 2017, 7, 40410.	3.3	6
51	Nonlinear interferometric surface-plasmon-resonance sensor. Optics Express, 2021, 29, 11194.	3.4	6
52	Entanglement in a four-wave mixing process. Optics Letters, 2017, 42, 2754.	3.3	6
53	Quantum optical devices based on four-wave mixing in hot rubidium vapor. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-8.	5.1	5
54	Generation of hexapartite entanglement in a four-wave-mixing process with a spatially structured pump: Theoretical study. Physical Review A, 2020, 102, .	2.5	5

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55	Experimental Demonstration of a Multifunctional All-Optical Quantum State Transfer Machine. Physical Review Letters, 2021, 126, 210507.	7.8	5
56	Deterministic generation of large-scale hyperentanglement in three degrees of freedom. , 2022, 1, .		5
57	Hybrid interferometer with nonlinear four-wave mixing process and linear beam splitter. Optics Express, 2017, 25, 15854.	3.4	4
58	Generation of quadripartite entanglement from a hybrid scheme with a four-wave mixing process and linear beam splitters. Optics Communications, 2018, 424, 63-69.	2.1	4
59	Nonlinear interferometer based on two-port feedback nondegenerate optical parametric amplification. Optics Communications, 2021, 496, 127137.	2.1	4
60	Squeezing bandwidth controllable twin beam light and phase sensitive nonlinear interferometer based on atomic ensembles. Science Bulletin, 2012, 57, 1925-1930.	1.7	3
61	Generation of path-polarization hyperentanglement using quasi-phase-matching in quasi-periodic nonlinear photonic crystal. Scientific Reports, 2017, 7, 4954.	3.3	3
62	Enhancement of tripartite quantum correlation by coherent feedback control. Physical Review A, 2020, 101, .	2.5	3
63	Counterpropagating path-entangled photon pair sources based on simultaneous spontaneous parametric down-conversion processes of nonlinear photonic crystal. Optics Express, 2018, 26, 27945.	3.4	3
64	Enhancement of quantum correlations using correlation injection scheme in a cascaded four-wave mixing processes. Optics Express, 2020, 28, 10633.	3.4	3
65	Pathâ€“orbital-angular-momentum high-dimensional hyperentangled photons from a warm atomic ensemble. Physical Review A, 2022, 105, .	2.5	3
66	Preserving quantum entanglement from parametric amplifications with a correlation modulation scheme. Physical Review A, 2019, 99, .	2.5	2
67	Generation of octapartite entanglement by connecting two symmetric cascaded four-wave mixing processes with one linear beam splitter. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 619.	2.1	2
68	Maximal entanglement increase with single-photon subtraction. Quantum - the Open Journal for Quantum Science, 0, 6, 704.	0.0	2
69	Generation of twelve-partite entanglement from two symmetric four-wave mixing processes. Optics Communications, 2022, , 128470.	2.1	2
70	Effect of losses on multipartite entanglement from cascaded four-wave mixing processes. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 2806.	2.1	1
71	Phase manipulated two-mode entangled state from a phase-sensitive amplifier. Optics Express, 2021, 29, 38971-38978.	3.4	1
72	Violation of high-dimensional Bell inequality using narrowband orbital-angular-momentum entanglement from warm atomic vapor. Physical Review A, 2022, 105, .	2.5	1

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73	Enhancing the precision of a phase measurement through phase-sensitive non-Gaussianity. Physical Review A, 2022, 105, .	2.5	1
74	Generation and application of tripartite entangled state for continuous electromagnetic field. , 0, , .		0
75	Optimization of Quantum Correlation in Cascaded Four-Wave Mixing. International Journal of Theoretical Physics, 2017, 56, 822-832.	1.2	0
76	Generation of quadripartite unlockable bound entanglement from cascaded four-wave mixing processes. Physical Review A, 2019, 99, .	2.5	0
77	Low-Noise Intensity Amplification of a Bright Entangled Beam. Chinese Physics Letters, 2021, 38, 090301.	3.3	0
78	Characterization of quantum squeezing generated from the phase-sensitive and phase-insensitive amplifiers in the ultra-low average input photon number regime. Optics Express, 2020, 28, 36487.	3.4	0
79	Multi-Way Noiseless Signal Amplification in a Symmetrical Cascaded Four-Wave Mixing Process. Photonics, 2022, 9, 229.	2.0	0