Jiefei Chen

List of Publications by Year
in descending order

32 papers	666 citations	623734 14 h-index	552781 26 g-index
32 all docs	32 docs citations	32 times ranked	446 citing authors

#	Article	IF	Citations
1	SU(2)-in-SU(1,1) Nested Interferometer for High Sensitivity, Loss-Tolerant Quantum Metrology. Physical Review Letters, 2022, 128, 033601.	7.8	21
2	Quantum Interference between Photons and Single Quanta of Stored Atomic Coherence. Physical Review Letters, 2022, 128, 083605.	7.8	9
3	Non-Hermitian Magnon-Photon Interference in an Atomic Ensemble. Physical Review Letters, 2019, 122, 253602.	7.8	18
4	Quantum teleportation of photonic qudits using linear optics. Physical Review A, 2019, 100, .	2.5	16
5	Characterization of the photon-number state of a narrow-band single photon generated from a cold atomic cloud. Optics Communications, 2019, 439, 206-209.	2.1	1
6	Interference of temporally shaped single photons. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 075502.	1.5	0
7	Temporal interference with frequency-controllable long photons from independent cold atomic sources. Physical Review A, 2018, 97, .	2.5	3
8	Tomography of the Temporal-Spectral State of Subnatural-Linewidth Single Photons from Atomic Ensembles. Physical Review Applied, 2018, 10, .	3.8	12
9	Tunable atom-light beam splitter using electromagnetically induced transparency. Physical Review A, 2018, 97, .	2.5	5
10	Absolute sensitivity of phase measurement in an SU(1,1) type interferometer. Optics Letters, 2018, 43, 1051.	3.3	27
11	Quantum metrology with atom and light correlation. Wuli Xuebao/Acta Physica Sinica, 2018, 67, 164204.	0.5	3
12	Generation of frequency degenerate twin beams in Rb85 vapor. Optics Letters, 2017, 42, 4024.	3.3	8
13	Temporal Purity and Quantum Interference of Single Photons from Two Independent Cold Atomic Ensembles. Physical Review Letters, 2016, 117, 013602.	7.8	34
14	Temporal pure single photons generated from time-frequency entangled biphotons. , 2016, , .		0
15	Interfering single photons retreived from collective atomic excitations in two dense cold-atom clouds. Chinese Optics Letters, 2016, 14, 080201-80205.	2.9	0
16	Coherence time limit of entangled paired photons generated in a cold atom cloud. , 2015, , .		0
17	Narrowband polarization entangled paired photons with controllable temporal length. Science China: Physics, Mechanics and Astronomy, 2015, 58, 1-10.	5.1	1
18	Coherence time limit of the biphotons generated in a dense cold atomcloud. Scientific Reports, 2015, 5, 9126.	3.3	27

#	Article	IF	Citations
19	Cold Atom Cloud with High Optical Depth Measured with Large Duty Cycle. Chinese Physics Letters, 2015, 32, 064211.	3.3	5
20	Optimal storage and retrieval of single-photon waveforms. Optics Express, 2012, 20, 24124.	3.4	60
21	A dark-line two-dimensional magneto-optical trap of 85Rb atoms with high optical depth. Review of Scientific Instruments, 2012, 83, 073102.	1.3	57
22	Two-photon interferences with degenerate and nondegenerate paired photons. Physical Review A, 2012, 85, .	2.5	31
23	Narrowband photon pair generation and waveform reshaping. Frontiers of Physics, 2012, 7, 494-503.	5.0	6
24	Optical Precursor of a Single Photon. Physical Review Letters, 2011, 106, 243602.	7.8	56
25	Generation of Narrow-Band Hyperentangled Nondegenerate Paired Photons. Physical Review Letters, 2011, 106, 033601.	7.8	78
26	Optical precursors with finite rise and fall time. Journal of Optics (United Kingdom), 2010, 12, 104010.	2.2	7
27	Optical coherent transients in cold atoms: From free-induction decay to optical precursors. Physical Review A, 2010, 81, .	2.5	26
28	Shaping Biphoton Temporal Waveforms with Modulated Classical Fields. Physical Review Letters, 2010, 104, 183604.	7.8	48
29	Stacked Optical Precursors from Amplitude and Phase Modulations. Physical Review Letters, 2010, 104, 223602.	7.8	30
30	Two-photon free-induction decay with electromagnetically induced transparency. Optics Letters, 2010, 35, 1923.	3.3	2
31	Observation of Optical Precursors with Electromagnetically Induced Transparency. , 2010, , .		0
32	Optical Precursors with Electromagnetically Induced Transparency in Cold Atoms. Physical Review Letters, 2009, 103, 093602.	7.8	75