J F Chen

List of Publications by Year
in descending order

27 papers	651 citations	623734 14 h-index	642732 23 g-index
27 all docs	27 docs citations	27 times ranked	436 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	Tunable magnon-photon beam-splitter based on a cold atomic cloud. , 2021, , .		0
4	Photon Coalescence in a Lossy Non-Hermitian Beam Splitter. Chinese Physics Letters, 2020, 37, 084203.	3.3	3
5	Non-Hermitian Magnon-Photon Interference in an Atomic Ensemble. Physical Review Letters, 2019, 122, 253602.	7.8	18
6	Quantum teleportation of photonic qudits using linear optics. Physical Review A, 2019, 100, .	2.5	16
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	Temporal Purity and Quantum Interference of Single Photons from Two Independent Cold Atomic Ensembles. Physical Review Letters, 2016, 117, 013602.	7.8	34
12	Temporal pure single photons generated from time-frequency entangled biphotons. , 2016, , .		0
13	Coherence time limit of the biphotons generated in a dense cold atomcloud. Scientific Reports, 2015, 5, 9126.	3.3	27
14	Optimal storage and retrieval of single-photon waveforms. Optics Express, 2012, 20, 24124.	3.4	60
15	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
16	Two-photon interferences with degenerate and nondegenerate paired photons. Physical Review A, 2012, 85, .	2.5	31
17	Narrowband photon pair generation and waveform reshaping. Frontiers of Physics, 2012, 7, 494-503.	5.0	6
18	Optical Precursor of a Single Photon. Physical Review Letters, 2011, 106, 243602.	7.8	56

#	Article	IF	Citations
19	Optical Precursors in Slow and Fast Light Media. , 2011, , .		0
20	Generation of Narrow-Band Hyperentangled Nondegenerate Paired Photons. Physical Review Letters, 2011, 106, 033601.	7.8	78
21	Generation of Narrowband Hyperentangled Biphotons. , 2011, , .		0
22	Optical precursors with finite rise and fall time. Journal of Optics (United Kingdom), 2010, 12, 104010.	2.2	7
23	Optical coherent transients in cold atoms: From free-induction decay to optical precursors. Physical Review A, 2010, 81, .	2.5	26
24	Shaping Biphoton Temporal Waveforms with Modulated Classical Fields. Physical Review Letters, 2010, 104, 183604.	7.8	48
25	Stacked Optical Precursors from Amplitude and Phase Modulations. Physical Review Letters, 2010, 104, 223602.	7.8	30
26	Two-photon free-induction decay with electromagnetically induced transparency. Optics Letters, 2010, 35, 1923.	3.3	2
27	Optical Precursors with Electromagnetically Induced Transparency in Cold Atoms. Physical Review Letters, 2009, 103, 093602.	7.8	75