

Yan-Xiao Gong

List of Publications by Year in descending order

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71
papers

1,611
citations

377584

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71
all docs

71
docs citations

71
times ranked

1777
citing authors

#	ARTICLE	IF	CITATIONS
1	Arbitrary coherent distributions in a programmable quantum walk. <i>Physical Review Research</i> , 2022, 4, .	1.3	2
2	Maximal coin-walker entanglement in a ballistic quantum walk. <i>Physical Review A</i> , 2022, 105, .	1.0	5
3	Optical-Relayed Entanglement Distribution Using Drones as Mobile Nodes. <i>Physical Review Letters</i> , 2021, 126, 020503.	2.9	57
4	Quantification of High-dimensional Energy-time Entanglement in a Biphoton Frequency Comb. , 2021, , .		0
5	648 Hilbert-space dimensionality in a biphoton frequency comb: entanglement of formation and Schmidt mode decomposition. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	25
6	Single-mode multiphoton polarization states under random Pauli noises. <i>Physical Review A</i> , 2021, 103, .	1.0	0
7	Simulating the escape of entangled photons from the event horizon of black holes in nonuniform optical lattices. <i>Physical Review A</i> , 2021, 103, .	1.0	9
8	Ultrabright Multiplexed Energy-Time-Entangled Photon Generation from Lithium Niobate on Insulator Chip. <i>Physical Review Applied</i> , 2021, 15, .	1.5	39
9	Observation of frequency-uncorrelated photon pairs generated by counter-propagating spontaneous parametric down-conversion. <i>Scientific Reports</i> , 2021, 11, 12628.	1.6	10
10	Widely tunable single-photon source with high spectral-purity from telecom wavelength to mid-infrared wavelength based on MgO:PPLN*. <i>Chinese Physics B</i> , 2021, 30, 100312.	0.7	2
11	Optical Frequency Down-Conversion With Bandwidth Compression Based on Counter-Propagating Phase Matching. <i>Frontiers in Physics</i> , 2021, 9, .	1.0	0
12	Effect of thickness variations of lithium niobate on insulator waveguide on the frequency spectrum of spontaneous parametric down-conversion*. <i>Chinese Physics B</i> , 2021, 30, 110313.	0.7	4
13	Narrowband photonic quantum entanglement with counterpropagating domain engineering. <i>Photonics Research</i> , 2021, 9, 1998.	3.4	6
14	Locally periodically poled LNOI ridge waveguide for second harmonic generation [Invited]. <i>Chinese Optics Letters</i> , 2021, 19, 060007.	1.3	8
15	Effect of dimension variation for second-harmonic generation in lithium niobate on insulator waveguide [Invited]. <i>Chinese Optics Letters</i> , 2021, 19, 060015.	1.3	5
16	Long-time characterization of optical signal transmission through drone-to-ground link. , 2021, , .		0
17	Optimizing the efficiency of a periodically poled LNOI waveguide using <i>in situ</i> monitoring of the ferroelectric domains. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	57
18	Drone-based entanglement distribution towards mobile quantum networks. <i>National Science Review</i> , 2020, 7, 921-928.	4.6	61

#	ARTICLE	IF	CITATIONS
19	High-Dimensional Time-Frequency Entanglement and Schmidt Number Witnesses Using a Biphoton Frequency Comb. , 2020, , .		1
20	Generation of narrowband counterpropagating polarization-entangled photon pairs based on thin-film lithium niobate on insulator. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2139.	0.9	12
21	Robust second-order correlation of twin parametric beams generated by amplified spontaneous parametric down-conversion. Chinese Optics Letters, 2020, 18, 121902.	1.3	1
22	On-chip engineering of high-dimensional path-entangled states in a quadratic coupled-waveguide system. Physical Review A, 2019, 99, .	1.0	6
23	Localization and Steering of Light in One-Dimensional Parity-Time Symmetric Photonic Lattices. Chinese Physics Letters, 2019, 36, 014201.	1.3	1
24	High-Dimensional Energy-Time Entanglement up to 6 Qubits per Photon through Biphoton Frequency Comb. , 2019, , .		2
25	Compact generation of a two-photon multipath Dicke state from a single $\chi^{(2)}$ nonlinear photonic crystal. Optics Letters, 2019, 44, 239.	1.7	3
26	Compact polarization-entangled photon-pair source based on a dual-periodically-poled Ti:LiNbO ₃ waveguide. Optics Letters, 2019, 44, 5598.	1.7	22
27	Manipulation of tripartite frequency correlation under extended phase matchings. Physical Review A, 2018, 97, .	1.0	9
28	Multihop teleportation of two-qubit state via the composite GHZ-Bell channel. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 76-81.	0.9	31
29	Teleportation of entanglement using a three-particle entangled W state. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 142.	0.9	19
30	Experimental realization of a 2 × 2 polarization-independent split-ratio-tunable optical beam splitter. Optics Express, 2016, 24, 28519.	1.7	3
31	Experimental demonstration of a robust second-order correlation for twin parametric beams above threshold. , 2016, , .		0
32	A 14 × 14 μm ² footprint polarization-encoded quantum controlled-NOT gate based on hybrid waveguide. Nature Communications, 2016, 7, 11490.	5.8	44
33	Scheme for generating distillation-favorable continuous-variable entanglement via three concurrent parametric down-conversions in a single $\chi^{(2)}$ nonlinear photonic crystal. Optics Express, 2016, 24, 6402.	1.7	4
34	Quantum information transmission in the quantum wireless multihop network based on Werner state. Chinese Physics B, 2015, 24, 050308.	0.7	32
35	Harnessing high-dimensional hyperentanglement through a biphoton frequency comb. Nature Photonics, 2015, 9, 536-542.	15.6	138
36	Addendum to "Quantum wireless multihop communication based on arbitrary Bell pairs and teleportation". Physical Review A, 2014, 90, .	1.0	15

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37	Quantum wireless multihop communication based on arbitrary Bell pairs and teleportation. Physical Review A, 2014, 89, .	1.0	67
38	On-Chip Generation and Manipulation of Entangled Photons Based on Reconfigurable Lithium-Niobate Waveguide Circuits. Physical Review Letters, 2014, 113, 103601.	2.9	255
39	Demonstration of high-dimensional frequency-bin entanglement. , 2014, , .		0
40	The two-photon interference mediated by the magnetic resonance in two-dimensional metamaterial. Quantum Information Processing, 2013, 12, 825-830.	1.0	0
41	Heralded generation of multipartite entanglement for one photon by using a single two-dimensional nonlinear photonic crystal. Optics Express, 2013, 21, 7875.	1.7	13
42	Quantum interferometric lithography with pair-coherent states. Physical Review A, 2013, 88, .	1.0	2
43	Compact Engineering of Path-Entangled Sources from a Monolithic Quadratic Nonlinear Photonic Crystal. Physical Review Letters, 2013, 111, 023603.	2.9	54
44	Generation of polarization-entangled photon pairs via concurrent spontaneous parametric downconversions in a single $\chi^{(2)}$ nonlinear photonic crystal. Optics Letters, 2012, 37, 4374.	1.7	16
45	Hong-Ou-Mandel interference mediated by the magnetic plasmon waves in a three-dimensional optical metamaterial. Optics Express, 2012, 20, 5213.	1.7	20
46	Lensless imaging by entangled photons from quadratic nonlinear photonic crystals. Physical Review A, 2012, 86, .	1.0	8
47	Generation of positively-momentum-correlated biphotons from spontaneous parametric down-conversion. Physical Review A, 2012, 86, .	1.0	10
48	Mode-locked biphoton generation by concurrent quasi-phase-matching. Physical Review A, 2012, 85, .	1.0	7
49	On-chip steering of entangled photons in nonlinear photonic crystals. Nature Communications, 2011, 2, 429.	5.8	66
50	Compact source of narrow-band counterpropagating polarization-entangled photon pairs using a single dual-periodically-poled crystal. Physical Review A, 2011, 84, .	1.0	38
51	Quantum Secure Direct Communication by Using Three-Dimensional Hyperentanglement. Communications in Theoretical Physics, 2011, 56, 831-836.	1.1	48
52	Linear optical quantum computation with imperfect entangled photon-pair sources and inefficient non- π photon-number-resolving detectors. Physical Review A, 2010, 81, .	1.0	11
53	Investigation of the role of indistinguishability in photon bunching and stimulated emission. Physical Review A, 2009, 79, .	1.0	8
54	Generating arbitrary four-qubit decoherence-free states via two singlet states and a partial exchanging device. , 2009, , .		0

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55	A simple scheme for expanding a polarization-entangled W state by adding one photon. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 035503.	0.6	10
56	Observation of a generalized bunching effect of six photons. <i>Optics Letters</i> , 2009, 34, 1297.	1.7	20
57	Experimental measurement of lower and upper bounds of concurrence for mixed quantum states. <i>Physical Review A</i> , 2009, 79, .	1.0	16
58	Experimental demonstration of quantum contextuality with nonentangled photons. <i>Physical Review A</i> , 2009, 80, .	1.0	40
59	Heralded multiphoton GHZ-type polarization entanglement generation from parametric down-conversion sources. <i>Journal of Modern Optics</i> , 2009, 56, 936-939.	0.6	4
60	Dependence of the decoherence of polarization states in phase-damping channels on the frequency spectrum envelope of photons. <i>Physical Review A</i> , 2008, 78, .	1.0	14
61	Generation of arbitrary four-photon polarization-entangled decoherence-free states. <i>Physical Review A</i> , 2008, 77, .	1.0	20
62	Methods for a linear optical quantum Fredkin gate. <i>Physical Review A</i> , 2008, 78, .	1.0	52
63	Demonstration of the three-photon de Broglie wavelength by projection measurement. <i>Physical Review A</i> , 2008, 77, .	1.0	19
64	Observable estimation of entanglement for arbitrary finite-dimensional mixed states. <i>Physical Review A</i> , 2008, 78, .	1.0	41
65	Experimental demonstration of phase measurement precision beating standard quantum limit by projection measurement. <i>Europhysics Letters</i> , 2008, 82, 24001.	0.7	53
66	Demonstration of controllable temporal distinguishability in a three-photon state. <i>Europhysics Letters</i> , 2007, 77, 24003.	0.7	17
67	Stimulated Emission as a Result of Multiphoton Interference. <i>Physical Review Letters</i> , 2007, 99, 043601.	2.9	22
68	Four-photon interference with asymmetric beam splitters. <i>Optics Letters</i> , 2007, 32, 1320.	1.7	27
69	Demonstration of Temporal Distinguishability of Three and Four Photons with Asymmetric Beam Splitter. , 2007, , .		0
70	Observation of de Broglie Wavelength of Three and Four Photons by Projection Measurement. , 2007, , .		0
71	Observation of Two-Photon Stimulated Emission and Three-Photon Interference. , 2007, , .		0