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List of Publications by Year in descending order

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58	2,867	257450	265206
papers	citations	24 h-index	42 g-index

60	60	60	2917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Imaging topological edge states in silicon photonics. Nature Photonics, 2013, 7, 1001-1005.	31.4	1,264
2	Device-independent quantum random-number generation. Nature, 2018, 562, 548-551.	27.8	154
3	Measurement of topological invariants in a 2D photonic system. Nature Photonics, 2016, 10, 180-183.	31.4	137
4	Experimental demonstration of a receiver beating the standard quantum limit for multiple nonorthogonal state discrimination. Nature Photonics, 2013, 7, 147-152.	31.4	124
5	Efficient generation of correlated photon pairs in a microstructure fiber. Optics Letters, 2005, 30, 3368.	3.3	100
6	Photon number resolution enables quantum receiver for realistic coherent optical communications. Nature Photonics, 2015, 9, 48-53.	31.4	99
7	High-Speed Device-Independent Quantum Random Number Generation without a Detection Loophole. Physical Review Letters, 2018, 120, 010503.	7.8	85
8	A broadband high spectral brightness fiber-based two-photon source. Optics Express, 2007, 15, 2915.	3.4	64
9	A versatile waveguide source of photon pairs for chip-scale quantum information processing. Optics Express, 2009, 17, 6727.	3.4	60
10	Test of Local Realism into the Past without Detection and Locality Loopholes. Physical Review Letters, 2018, 121, 080404.	7.8	58
11	Device-independent randomness expansion against quantum side information. Nature Physics, 2021, 17, 448-451.	16.7	58
12	Frequency-bin entangled comb of photon pairs from a Silicon-on-Insulator micro-resonator. Optics Express, 2011, 19, 1470.	3.4	53
13	Demonstrating highly symmetric single-mode, single-photon heralding efficiency in spontaneous parametric downconversion. Optics Letters, 2013, 38, 1609.	3.3	41
14	Experimental demonstration of non-bilocality with truly independent sources and strict locality constraints. Nature Photonics, 2019, 13, 687-691.	31.4	40
15	Satellite testing of a gravitationally induced quantum decoherence model. Science, 2019, 366, 132-135.	12.6	40
16	Resolution and sensitivity of a Fabry-Perot interferometer with a photon-number-resolving detector. Physical Review A, 2009, 80, .	2.5	39
17	Entanglement swapping over 100â€‰â€‰km optical fiber with independent entangled photon-pair sources. Optica, 2017, 4, 1214.	9.3	39
18	Testing Real Quantum Theory in an Optical Quantum Network. Physical Review Letters, 2022, 128, 040402.	7.8	39

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19	Generation of cross-polarized photon pairs in a microstructure fiber with frequency-conjugate laser pump pulses. Optics Express, 2005, 13, 5777.	3.4	38
20	Photon-number-resolved detection of photon-subtracted thermal light. Optics Letters, 2013, 38, 2171.	3.3	30
21	Experimental Realization of Device-Independent Quantum Randomness Expansion. Physical Review Letters, 2021, 126, 050503.	7.8	29
22	Heralded, pure-state single-photon source based on a Potassium Titanyl Phosphate waveguide. Optics Express, 2010, 18, 3708.	3.4	27
23	Mode expansion and Bragg filtering for a high-fidelity fiber-based photon-pair Source. Optics Express, 2009, 17, 21302.	3.4	26
24	Hydrodynamic time scales for intense laser-heated clusters. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 118.	2.1	25
25	Random Number Generation with Cosmic Photons. Physical Review Letters, 2017, 118, 140402.	7.8	18
26	Field Demonstration of Distributed Quantum Sensing without Post-Selection. Physical Review X, 2021, 11, .	8.9	18
27	Quantum state tomography of a fiber-based source of polarization-entangled photon pairs. Optics Express, 2007, 15, 18339.	3.4	17
28	Polarization-entangled photon pairs from a periodically poled crystalline waveguide. Optics Express, 2011, 19, 6724.	3.4	17
29	Error-Disturbance Trade-off in Sequential Quantum Measurements. Physical Review Letters, 2019, 122, 090404.	7.8	17
30	Experimental quantum data locking. Physical Review A, 2016, 94, .	2.5	16
31	Generation of high-flux hyperentangled photon pairs using a microstructure-fiber Sagnac interferometer. Physical Review A, 2008, 77, .	2.5	15
32	Phase-sensitive four-wave mixing and Raman suppression in a microstructure fiber with dual laser pumps. Optics Letters, 2006, 31, 2771.	3.3	14
33	Optimizing up-conversion single-photon detectors for quantum key distribution. Optics Express, 2020, 28, 25123.	3.4	13
34	Direct measurement of sub-wavelength interference using thermal light and photon-number-resolved detection. Applied Physics Letters, 2014, 105, 101104.	3.3	12
35	Enhancing image contrast using coherent states and photon number resolving detectors. Optics Express, 2010, 18, 6033.	3.4	11
36	Microstructure-Fiber-Based Source of Photonic Entanglement. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 1724-1732.	2.9	8

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37	Topological photonics and beyond: introduction. Photonics Research, 2021, 9, TPB1.	7.0	4
38	Optimizing the storage and retrieval efficiency of a solid-state quantum memory through tailored state preparation. Proceedings of SPIE, 2007, , .	0.8	2
39	Single-photon technologies. Journal of Modern Optics, 2011, 58, 169-173.	1.3	2
40	Experimental Bounds on Classical Random Field Theories. Foundations of Physics, 2015, 45, 726-734.	1.3	2
41	Experimental measurement-dependent local Bell test with human free will. Physical Review A, 2019, 99, .	2.5	2
42	High speed device-independent quantum random number generation without detection loophole. , 2018, , .		2
43	Photon number squeezing in repeated parametric downconversion with ancillary photon-number measurements. Optics Express, 2014, 22, 20358.	3.4	1
44	Generating a Frequency-Bin Entangled Comb of Photon Pairs via Four-Wave Mixing in a Silicon-on-Insulator Microring Resonator*. , 2011, , .		1
45	Test of Local Realism into the Past without Detection and Locality Loopholes. , 2019, , .		1
46	Experimental implementation of quantum entanglement and hyperentanglement with a fiber-based two-photon source. Proceedings of SPIE, 2008, , .	0.8	0
47	Waveguide source of correlated photon-pairs for chip-scale quantum information processing. , 2009, , .		0
48	Efficient photon pair sources based on silicon-on-insulator microresonators. , 2010, , .		0
49	Towards improved end-to-end system efficiency of photon pair systems. , 2010, , .		0
50	Enhancing contrast of point images using coherent states and photon-number-resolving detectors. Proceedings of SPIE, 2010, , .	0.8	0
51	Tailored State Preparation for Solid-State Quantum Memory. , 2010, , .		0
52	Chip-scale source of photonic entanglement. , 2011, , .		0
53	Photonic implementation of device-independent quantum randomness expansion. , 2021, , .		0
54	Spectral Hole-Burning for Solid-State Quantum Memory. , 2009, , .		0

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55	Interferometry with a Photon-Number Resolving Detector. , 2009, , .		0
56	A Versatile, Single-Waveguide, Photon-Pair Source for Chip-Scale Quantum Communication. , 2009, , .		0
57	Heralded, Pure-State Single-Photon Source Based on a KTP Waveguide. , 2010, , .		0
58	Symmetry breaking in membrane optomechanics. , 2016, , .		0