Yoon-Ho Kim

List of Publications by Year
in descending order

139	3,772	186265 28	133252 59
papers	citations	h-index	g-index

140	140	140	2486
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Teleportation of a Polarization State with a Complete Bell State Measurement. Physical Review Letters, 2001, 86, 1370-1373.	7.8	523
2	Delayed â€œChoiceâ€•Quantum Eraser. Physical Review Letters, 2000, 84, 1-5.	7.8	396
3	Protecting entanglement from decoherence usingÂweak measurement and quantum measurementÂreversal. Nature Physics, 2012, 8, 117-120.	16.7	393
4	Reversing the weak quantum measurement for a photonic qubit. Optics Express, 2009, 17, 11978.	3.4	175
5	Identifying Entanglement Using Quantum Ghost Interference and Imaging. Physical Review Letters, 2004, 92, 233601.	7.8	163
6	Experimental demonstration of decoherence suppression via quantum measurement reversal. Optics Express, 2011, 19, 16309.	3.4	140
7	Stark Tuning of Single-Photon Emitters in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 4710-4715.	9.1	127
8	Measurement of the spectral properties of the two-photon state generated via type II spontaneous parametric downconversion. Optics Letters, 2005, 30, 908.	3.3	97
9	Single-photon two-qubit entangled states: Preparation and measurement. Physical Review A, 2003, 67, .	2.5	84
10	Experimental entanglement concentration and universal Bell-state synthesizer. Physical Review A, 2003, 67, .	2.5	84
11	Nonmonotonic quantum-to-classical transition in multiparticle interference. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 1227-1231.	7.1	65
12	Direct quantum process tomography via measuring sequential weak values of incompatible observables. Nature Communications, 2018, 9, 192.	12.8	58
13	Nonlocal dispersion cancellation using entangled photons. Optics Express, 2009, 17, 19241.	3.4	55
14	Spectral properties of entangled photon pairs generated via frequency-degenerate type-I spontaneous parametric down-conversion. Physical Review A, 2008, 77, .	2.5	49
15	Atomic vapor quantum memory for a photonic polarization qubit. Optics Express, 2010, 18, 25786.	3.4	47
16	Generation of pulsed polarization-entangled two-photon state via temporal and spectral engineering. Journal of Modern Optics, 2002, 49, 2309-2323.	1.3	45
17	Engineering Frequency-Time Quantum Correlation of Narrow-Band Biphotons from Cold Atoms. Physical Review Letters, 2014, 113, 063602.	7.8	45
18	Four-photon indistinguishability transition. Physical Review A, 2011, 83, .	2.5	44

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19	Einstein-Podolsky-Rosen Entanglement of Narrow-Band Photons from Cold Atoms. Physical Review Letters, 2016, 117, 250501.	7.8	42
20	Quantum interference with beamlike type-II spontaneous parametric down-conversion. Physical Review A, 2003, 68, .	2.5	41
21	Observation of detection-dependent multi-photon coherence times. Nature Communications, 2013, 4, 2451.	12.8	36
22	Direct Generation of Narrow-band Hyperentangled Photons. Physical Review Letters, 2019, 122, 123607.	7.8	35
23	Temporal shaping of a heralded single-photon wave packet. Physical Review A, 2008, 77, .	2.5	31
24	Two-photon interferences with degenerate and nondegenerate paired photons. Physical Review A, 2012, 85, .	2.5	31
25	Emergence of the geometric phase from quantum measurement back-action. Nature Physics, 2019, 15, 665-670.	16.7	31
26	Measurement of one-photon and two-photon wave packets in spontaneous parametric downconversion. Journal of the Optical Society of America B: Optical Physics, 2003, 20, 1959.	2.1	29
27	Quantum interference with distinguishable photons through indistinguishable pathways. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 493.	2.1	29
28	Storage and retrieval of thermal light in warm atomic vapor. Physical Review A, 2010, 82, .	2.5	29
29	Experimental Realization of an Approximate Partial Transpose for Photonic Two-Qubit Systems. Physical Review Letters, 2011, 107, 160401.	7.8	28
30	Observation of Youngâ€™s double-slit interference with the three-photon N00N state. Optics Express, 2011, 19, 24957.	3.4	27
31	Time-bin entangled photon pairs from spontaneous parametric down-conversion pumped by a cw multi-mode diode laser. Optics Express, 2013, 21, 25492.	3.4	27
32	Experimental study of a subsystem in an entangled two-photon state. Physical Review A, 1999, 60, 2685-2688.	2.5	26
33	Experimental demonstration of delayed-choice decoherence suppression. Nature Communications, 2014, 5, 4522.	12.8	25
34	Coherence properties of spontaneous parametric down-conversion pumped by a multi-mode cw diode laser. Optics Express, 2009, 17, 13059.	3.4	24
35	Second-Order Temporal Interference with Thermal Light: Interference beyond the Coherence Time. Physical Review Letters, 2017, 119, 263603.	7.8	24
36	Weak value measurement with an incoherent measuring device. New Journal of Physics, 2010, 12, 023036.	2.9	23

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37	Avoiding entanglement sudden death using single-qubit quantum measurement reversal. Optics Express, 2014, 22, 19055.	3.4	23
38	Remote preparation of three-photon entangled states via single-photon measurement. Physical Review A, 2016, 94, .	2.5	23
39	Nonlocal dispersion control of a single-photon waveform. Physical Review A, 2008, 78, .	2.5	22
40	Preparation and characterization of arbitrary states of four-dimensional qudits based on biphotons. Physical Review A, 2008, 78, .	2.5	22
41	High-Resolution Mode-Spacing Measurement of the Blue-Violet Diode Laser Using Interference of Felds Created with Time Delays Greater than the Coherence Time. Japanese Journal of Applied Physics, 2007, 46, 7720.	1.5	21
42	Storage and retrieval of ghost images in hot atomic vapor. Optics Express, 2012, 20, 5809.	3.4	21
43	Fundamental Bounds in Measurements for Estimating Quantum States. Physical Review Letters, 2014, 113, 020504.	7.8	21
44	Measuring the frequency-time two-photon wavefunction of narrowband entangled photons from cold atoms via stimulated emission. Optica, 2017, 4, 1293.	9.3	21
45	Minimum-disturbance measurement without postselection. Physical Review A, 2008, 77, .	2.5	19
46	Universal Compressive Characterization of Quantum Dynamics. Physical Review Letters, 2020, 124, 210401.	7.8	19
47	Optimal teleportation via noisy quantum channels without additional qubit resources. Npj Quantum Information, 2021, 7, .	6.7	19
48	Experimental realization of an approximate transpose operation for qutrit systems using a structural physical approximation. Physical Review A, 2012, 86, .	2.5	18
49	Temporal indistinguishability and quantum interference. Physical Review A, 2000, 62, .	2.5	17
50	Experimental implementation of a fully controllable depolarizing quantum operation. Physical Review A, 2013, 87, .	2.5	17
51	Coherent and dynamic beam splitting based on light storage in cold atoms. Scientific Reports, 2016, 6, 34279.	3.3	17
52	Bright source of polarization-entangled photons using a PPKTP pumped by a broadband multi-mode diode laser. Optics Express, 2016, 24, 1165.	3.4	16
53	Quantum communication with time-bin entanglement over a wavelength-multiplexed fiber network. APL Photonics, 2022, 7, .	5.7	16
54	Single-mode coupling efficiencies of type-II spontaneous parametric down-conversion: Collinear, noncollinear, and beamlike phase matching. Physical Review A, 2008, 78, .	2.5	15

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55	Spectral properties of entangled photons generated via type-I frequency-nondegenerate spontaneous parametric down-conversion. Physical Review A, 2009, 80, .	2.5	15
56	Photon-pair source working in a silicon-based detector wavelength range using tapered micro/nanofibers. Optics Letters, 2019, 44, 447.	3.3	15
57	First-order interference of nonclassical light emitted spontaneously at different times. Physical Review A, 2000, 61, .	2.5	14
58	Experimental implementation of the universal transpose operation using the structural physical approximation. Physical Review A, 2011, 83, .	2.5	14
59	Diffusion-free image storage in hot atomic vapor. Physical Review A, 2012, 86, .	2.5	14
60	Quantum discord protection from amplitude damping decoherence. Optics Express, 2015, 23, 26012.	3.4	14
61	Experimental Demonstration of Quantum Stationary Light Pulses in an Atomic Ensemble. Physical Review X, 2018, 8, .	8.9	14
62	Observing photonic de Broglie waves without the maximally-path-entangled | N,0âŒª+ | 0,NâŒªstate. Physical Review A, 2010, 81, .	2.5	12
63	Double-Fock superposition interferometry for differential diagnosis of decoherence. New Journal of Physics, 2015, 17, 023008.	2.9	10
64	Benchmarking quantum tomography completeness and fidelity with machine learning. New Journal of Physics, 2021, 23, 103021.	2.9	10
65	Observing the quantum Cheshire cat effect with noninvasive weak measurement. Npj Quantum Information, 2021, 7, .	6.7	10
66	Generation and characterization of position-momentum entangled photon pairs in a hot atomic gas cell. Optics Express, 2019, 27, 34611.	3.4	9
67	Connection between BosonSampling with quantum and classical input states. Optics Express, 2020, 28, 6929.	3.4	9
68	Noise-resistant quantum communications using hyperentanglement. Optica, 2021, 8, 1524.	9.3	9
69	Preservation of spatial coherence of an optical pulse in atomic vapor quantum memory. Physical Review A, 2013, 88, .	2.5	8
70	Dispersion cancellation in a quantum interferometer with independent single photons. Optics Express, 2021, 29, 2348.	3.4	8
71	Observation of second-order interference beyond the coherence time with true thermal photons. Optics Letters, 2020, 45, 6748.	3.3	8
72	Spatial and spectral properties of entangled photons from spontaneous parametric down-conversion with a focused pump. Optics Communications, 2016, 366, 442-450.	2.1	7

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73	Limits on manipulating conditional photon statistics via interference of weak lasers. Optics Express, 2017, 25, 10610.	3.4	7
74	Intensity correlation in frequency upconversion via four-wave mixing in rubidium vapor. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2352.	2.1	7
75	Generation of hyper-entangled photons in a hot atomic vapor. Optics Letters, 2020, 45, 1802.	3.3	7
76	Heisenberg-Limited Metrology via Weak-Value Amplification without Using Entangled Resources. Physical Review Letters, 2022, 128, 040503.	7.8	7
77	Generation of nonclassical narrowband photon pairs from a cold rubidium cloud. Journal of the Korean Physical Society, 2013, 63, 943-950.	0.7	6
78	Generation of a non-zero discord bipartite state with classical second-order interference. Optics Express, 2017, 25, 2540.	3.4	6
79	Experimental demonstration of high fidelity entanglement distribution over decoherence channels via qubit transduction. Scientific Reports, 2015, 5, 15384.	3.3	5
80	Experimental linear optical computing of the matrix permanent. Physical Review A, 2019, 99, .	2.5	5
81	Phase and amplitude controlled heralding of N00N states. Optics Express, 2015, 23, 30807.	3.4	4
82	Effects of polarization mode dispersion on polarization-entangled photons generated via broadband pumped spontaneous parametric down-conversion. Scientific Reports, 2016, 6, 25846.	3.3	4
83	Experimental characterization of quantum polarization of three-photon states. Physical Review A, 2017, 96, .	2.5	4
84	Quantum teleportation is a reversal of quantum measurement. Physical Review Research, 2021, 3, .	3.6	4
85	Reversed interplay of quantum interference and which-way information in multiphoton entangled states. Physical Review A, 2017, 96, .	2.5	3
86	Light storage in a cold atomic ensemble with a high optical depth. Journal of the Korean Physical Society, 2017, 70, 1007-1010.	0.7	3
87	Distance sensitivity of thermal light second-order interference beyond spatial coherence. European Physical Journal Plus, 2022, 137, .	2.6	3
88	Trapping a free-propagating single-photon into an atomic ensemble as a quantum stationary light pulse. AVS Quantum Science, 2022, 4, .	4.9	3
89	Scheme for directly observing the noncommutativity of the position and the momentum operators with interference. Physical Review A, 2012, 86, .	2.5	2
90	Protecting entanglement from decoherence via weak quantum measurement. , 2013, , .		2

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91	Observation of decoherence-induced exchange symmetry breaking in an entangled state. Physical Review A, 2014, 90, .	2.5	2
92	Experimental comparison between one-decoy and two-decoy implementations of the Bennett-Brassard 1984 quantum cryptography protocol. Physical Review A, 2016, 93, .	2.5	2
93	Dispersive Broadening of Two-photon Wave Packets Generated via Type-I and Type-II Spontaneous Parametric Down-conversion. Journal of the Korean Physical Society, 2018, 73, 1650-1656.	0.7	2
94	Periodic revival of frustrated two-photon creation via interference. Optics Express, 2019, 27, 7593.	3.4	2
95	Long-range distribution of high-quality time-bin entangled photons for quantum communication. Journal of the Korean Physical Society, 2022, 80, 203-213.	0.7	2
96	Nonlocal Dispersion Control of a Localized Single-Photon Wave Packet. , 2007, , .		1
97	Nonlocal dispersion cancellation using entangled photons. , 2011, , .		1
98	Entangling two separate photonic ququarts using linear optical elements. Physical Review A, 2014, 90, .	2.5	1
99	Nonlocal two-photon interference of energy-time entangled photon pairs generated in Doppler-broadened ladder-type Rb87 atoms. Physical Review A, 2019, 100, .	2.5	1
100	Efficient extraction of polarization-entanglement in ultrafast type-II SPDC. , 2003, , .		0
101	Measurement of the spectral properties of the two-photon state generated via type-II spontaneous parametric down-conversion. , 0, , .		0
102	Reliability of the beamsplitter based Bell-state measurement. , 0, , .		0
103	Observation of correlated-photon statistics using a single detector. , 0, , .		0
104	Single-photon two-qubit entangled states: preparation and measurement. , 0, , .		0
105	Concentrating partial entanglement of two photons via entanglement swapping. , 2006, , .		0
106	Biphoton ququarts and their entanglement. , 2007, , .		0
107	High-resolution mode-spacing measurement of the blue-violet diode laser using interference of fields created with time delays greater than the coherence time. , 2007, , .		0
108	High-resolution mode-spacing measurement of the blue-violet diode laser using interference of fields created with time delays greater than the coherence time. , 2007, , .		0

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109	Spectral properties of entangled-photons generated via type-I spontaneous parametric downconversion. , 2007, , .		0
110	Preparation of general single-ququart states using ultrafast spontaneous parametric down-conversion. , 2007, , .		0
111	Spectral properties of entangled-photons generated via type-I spontaneous parametric downconversion. , 2007, , .		0
112	Deterministic Minimum Disturbance Measurement on a Polarization Qubit. , 2008, , .		0
113	Weak-pulse implementation of SARG04 quantum cryptography protocol in free space. , 2008, , .		0
114	Physical approximation of the partial transpose and its application to entanglement detection. , 2013, , .		0
115	Quantum-enhanced spatial interference with the three-photon N00N state. , 2013, , .		0
116	Photonic polarization qubit quantum memory using warm atomic vapor. , 2013, , .		0
117	Scheme for directly observing the noncommutativity of the position and momentum operators with interference. , 2013, , .		0
118	Coherent storage of ghost images in hot atomic vapor. , 2013, , .		0
119	Nonmonotonicity in quantum-to-classical transition in multiparticle interference. , 2013, , .		0
120	Sub-Rayleigh imaging with incoherent light. , 2013, , .		0
121	Imaging through turbidity by using speckle illumination. , 2015, , .		0
122	Experimental investigation of transverse spatial coherence of an optical pulse in atomic vapor quantum memory. , 2015, , .		0
123	Avoiding entanglement sudden death on two-qubit systems using single-qubit quantum measurement reversal. , 2015, , .		0
124	Experimental implementation of delayed-choice decoherence suppression. , 2015, , .		0
125	Experimental observation of decoherence-induced symmetry breaking in entangled photons. , 2015, , .		0
126	Manipulation of frequency-time quantum correlation of narrow-band photon pairs. , 2015, , .		0

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127	Protecting quantum discord using weak measurement and quantum measurement reversal. , 2015, , .		0
128	Generation of time-bin entangled photon pairs utilizing coherence revival property of a CW multi-mode laser. , 2015, , .		0
129	Time-bin entangled photon pairs from spontaneous parametric down-conversion pumped by a cw multi-mode diode laser. , 2015, , .		0
130	Spectral correlation of photon pairs generated in the normal group-velocity-dispersion regime beside pump. , 2018, , .		0
131	Trapping a Free-Propagating Single Photon in an Atomic Ensemble. , 2019, , .		0
132	Periodic Revival of Frustrated Two-Photon Creation via Interference. , 2019, , .		0
133	Photon-Pair Source Working in a Silicon-Based Detector using a Micro/Nanofiber. , 2019, , .		0
134	Temporal shaping of a heralded single-photon wave packet. , 2008, , .		0
135	Complete Control of Frequency-Time Correlation of Narrow-Band Biphotons from Cold Atoms. , 2015, , .		0
136	Preservation of Transverse Spatial Coherence of an Optical Pulse in Atomic Vapor Quantum Memory. , 2015, , .		0
137	Direct quantum process tomography via sequential weak measurements. , 2018, , .		0
138	Second-order temporal interference with thermal light: Interference beyond the coherence time. , 2018, , .		0
139	Experimental Observation of a Quantum Cheshire Cat using a Weak Measuring Device. , 2019, , .		0