

Yoon-Ho Kim

List of Publications by Year in descending order

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139
papers

3,772
citations

186254
28
h-index

133244
59
g-index

140
all docs

140
docs citations

140
times ranked

2486
citing authors

#	ARTICLE	IF	CITATIONS
1	Heisenberg-Limited Metrology via Weak-Value Amplification without Using Entangled Resources. Physical Review Letters, 2022, 128, 040503.	7.8	7
2	Quantum communication with time-bin entanglement over a wavelength-multiplexed fiber network. APL Photonics, 2022, 7, .	5.7	16
3	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
4	Distance sensitivity of thermal light second-order interference beyond spatial coherence. European Physical Journal Plus, 2022, 137, .	2.6	3
5	Trapping a free-propagating single-photon into an atomic ensemble as a quantum stationary light pulse. AVS Quantum Science, 2022, 4, .	4.9	3
6	Dispersion cancellation in a quantum interferometer with independent single photons. Optics Express, 2021, 29, 2348.	3.4	8
7	Optimal teleportation via noisy quantum channels without additional qubit resources. Npj Quantum Information, 2021, 7, .	6.7	19
8	Benchmarking quantum tomography completeness and fidelity with machine learning. New Journal of Physics, 2021, 23, 103021.	2.9	10
9	Quantum teleportation is a reversal of quantum measurement. Physical Review Research, 2021, 3, .	3.6	4
10	Observing the quantum Cheshire cat effect with noninvasive weak measurement. Npj Quantum Information, 2021, 7, .	6.7	10
11	Noise-resistant quantum communications using hyperentanglement. Optica, 2021, 8, 1524.	9.3	9
12	Universal Compressive Characterization of Quantum Dynamics. Physical Review Letters, 2020, 124, 210401.	7.8	19
13	Connection between BosonSampling with quantum and classical input states. Optics Express, 2020, 28, 6929.	3.4	9
14	Generation of hyper-entangled photons in a hot atomic vapor. Optics Letters, 2020, 45, 1802.	3.3	7
15	Observation of second-order interference beyond the coherence time with true thermal photons. Optics Letters, 2020, 45, 6748.	3.3	8
16	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
17	Trapping a Free-Propagating Single Photon in an Atomic Ensemble. , 2019, , .		0
18	Periodic Revival of Frustrated Two-Photon Creation via Interference. , 2019, , .		0

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19	Experimental linear optical computing of the matrix permanent. Physical Review A, 2019, 99, .	2.5	5
20	Emergence of the geometric phase from quantum measurement back-action. Nature Physics, 2019, 15, 665-670.	16.7	31
21	Direct Generation of Narrow-band Hyperentangled Photons. Physical Review Letters, 2019, 122, 123607.	7.8	35
22	Photon-Pair Source Working in a Silicon-Based Detector using a Micro/Nanofiber. , 2019, , .		0
23	Periodic revival of frustrated two-photon creation via interference. Optics Express, 2019, 27, 7593.	3.4	2
24	Generation and characterization of position-momentum entangled photon pairs in a hot atomic gas cell. Optics Express, 2019, 27, 34611.	3.4	9
25	Photon-pair source working in a silicon-based detector wavelength range using tapered micro/nanofibers. Optics Letters, 2019, 44, 447.	3.3	15
26	Experimental Observation of a Quantum Cheshire Cat using a Weak Measuring Device. , 2019, , .		0
27	Experimental Demonstration of Quantum Stationary Light Pulses in an Atomic Ensemble. Physical Review X, 2018, 8, .	8.9	14
28	Direct quantum process tomography via measuring sequential weak values of incompatible observables. Nature Communications, 2018, 9, 192.	12.8	58
29	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
30	Spectral correlation of photon pairs generated in the normal group-velocity-dispersion regime beside pump. , 2018, , .		0
31	Stark Tuning of Single-Photon Emitters in Hexagonal Boron Nitride. Nano Letters, 2018, 18, 4710-4715.	9.1	127
32	Direct quantum process tomography via sequential weak measurements. , 2018, , .		0
33	Second-order temporal interference with thermal light: Interference beyond the coherence time. , 2018, , .		0
34	Experimental characterization of quantum polarization of three-photon states. Physical Review A, 2017, 96, .	2.5	4
35	Reversed interplay of quantum interference and which-way information in multiphoton entangled states. Physical Review A, 2017, 96, .	2.5	3
36	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

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37	Second-Order Temporal Interference with Thermal Light: Interference beyond the Coherence Time. Physical Review Letters, 2017, 119, 263603.	7.8	24
38	Generation of a non-zero discord bipartite state with classical second-order interference. Optics Express, 2017, 25, 2540.	3.4	6
39	Limits on manipulating conditional photon statistics via interference of weak lasers. Optics Express, 2017, 25, 10610.	3.4	7
40	Measuring the frequency-time two-photon wavefunction of narrowband entangled photons from cold atoms via stimulated emission. Optica, 2017, 4, 1293.	9.3	21
41	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
42	Einstein-Podolsky-Rosen Entanglement of Narrow-Band Photons from Cold Atoms. Physical Review Letters, 2016, 117, 250501.	7.8	42
43	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
44	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
45	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
46	Remote preparation of three-photon entangled states via single-photon measurement. Physical Review A, 2016, 94, .	2.5	23
47	Coherent and dynamic beam splitting based on light storage in cold atoms. Scientific Reports, 2016, 6, 34279.	3.3	17
48	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
49	Imaging through turbidity by using speckle illumination. , 2015, , .		0
50	Phase and amplitude controlled heralding of NOON states. Optics Express, 2015, 23, 30807.	3.4	4
51	Experimental demonstration of high fidelity entanglement distribution over decoherence channels via qubit transduction. Scientific Reports, 2015, 5, 15384.	3.3	5
52	Experimental investigation of transverse spatial coherence of an optical pulse in atomic vapor quantum memory. , 2015, , .		0
53	Quantum discord protection from amplitude damping decoherence. Optics Express, 2015, 23, 26012.	3.4	14
54	Avoiding entanglement sudden death on two-qubit systems using single-qubit quantum measurement reversal. , 2015, , .		0

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55	Experimental implementation of delayed-choice decoherence suppression. , 2015, , .		0
56	Experimental observation of decoherence-induced symmetry breaking in entangled photons. , 2015, , .		0
57	Manipulation of frequency-time quantum correlation of narrow-band photon pairs. , 2015, , .		0
58	Protecting quantum discord using weak measurement and quantum measurement reversal. , 2015, , .		0
59	Generation of time-bin entangled photon pairs utilizing coherence revival property of a CW multi-mode laser. , 2015, , .		0
60	Double-Fock superposition interferometry for differential diagnosis of decoherence. New Journal of Physics, 2015, 17, 023008.	2.9	10
61	Time-bin entangled photon pairs from spontaneous parametric down-conversion pumped by a cw multi-mode diode laser. , 2015, , .		0
62	Complete Control of Frequency-Time Correlation of Narrow-Band Biphotons from Cold Atoms. , 2015, , .		0
63	Preservation of Transverse Spatial Coherence of an Optical Pulse in Atomic Vapor Quantum Memory. , 2015, , .		0
64	Entangling two separate photonic ququarts using linear optical elements. Physical Review A, 2014, 90, .	2.5	1
65	Observation of decoherence-induced exchange symmetry breaking in an entangled state. Physical Review A, 2014, 90, .	2.5	2
66	Avoiding entanglement sudden death using single-qubit quantum measurement reversal. Optics Express, 2014, 22, 19055.	3.4	23
67	Engineering Frequency-Time Quantum Correlation of Narrow-Band Biphotons from Cold Atoms. Physical Review Letters, 2014, 113, 063602.	7.8	45
68	Experimental demonstration of delayed-choice decoherence suppression. Nature Communications, 2014, 5, 4522.	12.8	25
69	Fundamental Bounds in Measurements for Estimating Quantum States. Physical Review Letters, 2014, 113, 020504.	7.8	21
70	Generation of nonclassical narrowband photon pairs from a cold rubidium cloud. Journal of the Korean Physical Society, 2013, 63, 943-950.	0.7	6
71	Physical approximation of the partial transpose and its application to entanglement detection. , 2013, , .		0
72	Quantum-enhanced spatial interference with the three-photon NOON state. , 2013, , .		0

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73	Photonic polarization qubit quantum memory using warm atomic vapor. , 2013, , .		0
74	Scheme for directly observing the noncommutativity of the position and momentum operators with interference. , 2013, , .		0
75	Protecting entanglement from decoherence via weak quantum measurement. , 2013, , .		2
76	Coherent storage of ghost images in hot atomic vapor. , 2013, , .		0
77	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
78	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
79	Observation of detection-dependent multi-photon coherence times. Nature Communications, 2013, 4, 2451.	12.8	36
80	Nonmonotonicity in quantum-to-classical transition in multiparticle interference. , 2013, , .		0
81	Preservation of spatial coherence of an optical pulse in atomic vapor quantum memory. Physical Review A, 2013, 88, .	2.5	8
82	Experimental implementation of a fully controllable depolarizing quantum operation. Physical Review A, 2013, 87, .	2.5	17
83	Sub-Rayleigh imaging with incoherent light. , 2013, , .		0
84	Storage and retrieval of ghost images in hot atomic vapor. Optics Express, 2012, 20, 5809.	3.4	21
85	Experimental realization of an approximate transpose operation for qutrit systems using a structural physical approximation. Physical Review A, 2012, 86, .	2.5	18
86	Diffusion-free image storage in hot atomic vapor. Physical Review A, 2012, 86, .	2.5	14
87	Two-photon interferences with degenerate and nondegenerate paired photons. Physical Review A, 2012, 85, .	2.5	31
88	Protecting entanglement from decoherence using a weak measurement and quantum measurement reversal. Nature Physics, 2012, 8, 117-120.	16.7	393
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	Experimental demonstration of decoherence suppression via quantum measurement reversal. Optics Express, 2011, 19, 16309.	3.4	140

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91	Observation of Young's double-slit interference with the three-photon NOON state. Optics Express, 2011, 19, 24957.	3.4	27
92	Four-photon indistinguishability transition. Physical Review A, 2011, 83, .	2.5	44
93	Experimental implementation of the universal transpose operation using the structural physical approximation. Physical Review A, 2011, 83, .	2.5	14
94	Experimental Realization of an Approximate Partial Transpose for Photonic Two-Qubit Systems. Physical Review Letters, 2011, 107, 160401.	7.8	28
95	Nonlocal dispersion cancellation using entangled photons. , 2011, , .		1
96	Storage and retrieval of thermal light in warm atomic vapor. Physical Review A, 2010, 82, .	2.5	29
97	Observing photonic de Broglie waves without the maximally-path-entangled $ N, 0\rangle + 0, N\rangle$ state. Physical Review A, 2010, 81, .	2.5	12
98	Weak value measurement with an incoherent measuring device. New Journal of Physics, 2010, 12, 023036.	2.9	23
99	Atomic vapor quantum memory for a photonic polarization qubit. Optics Express, 2010, 18, 25786.	3.4	47
100	Spectral properties of entangled photons generated via type-I frequency-nondegenerate spontaneous parametric down-conversion. Physical Review A, 2009, 80, .	2.5	15
101	Reversing the weak quantum measurement for a photonic qubit. Optics Express, 2009, 17, 11978.	3.4	175
102	Coherence properties of spontaneous parametric down-conversion pumped by a multi-mode cw diode laser. Optics Express, 2009, 17, 13059.	3.4	24
103	Nonlocal dispersion cancellation using entangled photons. Optics Express, 2009, 17, 19241.	3.4	55
104	Deterministic Minimum Disturbance Measurement on a Polarization Qubit. , 2008, , .		0
105	Spectral properties of entangled photon pairs generated via frequency-degenerate type-I spontaneous parametric down-conversion. Physical Review A, 2008, 77, .	2.5	49
106	Temporal shaping of a heralded single-photon wave packet. Physical Review A, 2008, 77, .	2.5	31
107	Nonlocal dispersion control of a single-photon waveform. Physical Review A, 2008, 78, .	2.5	22
108	Preparation and characterization of arbitrary states of four-dimensional qudits based on biphotons. Physical Review A, 2008, 78, .	2.5	22

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109	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
110	Minimum-disturbance measurement without postselection. Physical Review A, 2008, 77, .	2.5	19
111	Weak-pulse implementation of SARG04 quantum cryptography protocol in free space. , 2008, , .		0
112	Temporal shaping of a heralded single-photon wave packet. , 2008, , .		0
113	Nonlocal Dispersion Control of a Localized Single-Photon Wave Packet. , 2007, , .		1
114	Biphoton ququarts and their entanglement. , 2007, , .		0
115	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
116	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
117	Spectral properties of entangled-photons generated via type-I spontaneous parametric downconversion. , 2007, , .		0
118	Preparation of general single-ququart states using ultrafast spontaneous parametric down-conversion. , 2007, , .		0
119	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
120	Spectral properties of entangled-photons generated via type-I spontaneous parametric downconversion. , 2007, , .		0
121	Concentrating partial entanglement of two photons via entanglement swapping. , 2006, , .		0
122	Quantum interference with distinguishable photons through indistinguishable pathways. Journal of the Optical Society of America B: Optical Physics, 2005, 22, 493.	2.1	29
123	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
124	Identifying Entanglement Using Quantum Ghost Interference and Imaging. Physical Review Letters, 2004, 92, 233601.	7.8	163
125	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
126	Quantum interference with beamlike type-II spontaneous parametric down-conversion. Physical Review A, 2003, 68, .	2.5	41

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127	Efficient extraction of polarization-entanglement in ultrafast type-II SPDC. , 2003, , .		0
128	Single-photon two-qubit entangled states: Preparation and measurement. Physical Review A, 2003, 67, .	2.5	84
129	Experimental entanglement concentration and universal Bell-state synthesizer. Physical Review A, 2003, 67, .	2.5	84
130	Generation of pulsed polarization-entangled two-photon state via temporal and spectral engineering. Journal of Modern Optics, 2002, 49, 2309-2323.	1.3	45
131	Quantum Teleportation of a Polarization State with a Complete Bell State Measurement. Physical Review Letters, 2001, 86, 1370-1373.	7.8	523
132	Temporal indistinguishability and quantum interference. Physical Review A, 2000, 62, .	2.5	17
133	First-order interference of nonclassical light emitted spontaneously at different times. Physical Review A, 2000, 61, .	2.5	14
134	Delayed "Choice" Quantum Eraser. Physical Review Letters, 2000, 84, 1-5.	7.8	396
135	Experimental study of a subsystem in an entangled two-photon state. Physical Review A, 1999, 60, 2685-2688.	2.5	26
136	Measurement of the spectral properties of the two-photon state generated via type-II spontaneous parametric down-conversion. , 0, , .		0
137	Reliability of the beamsplitter based Bell-state measurement. , 0, , .		0
138	Observation of correlated-photon statistics using a single detector. , 0, , .		0
139	Single-photon two-qubit entangled states: preparation and measurement. , 0, , .		0