Ping Koy Lam

List of Publications by Year
in descending order

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256 papers	15,315 citations	15504 65 h-index	19190 118 g-index

259 all docs	259 docs citations	259 times ranked	8477 citing authors

#	Article	IF	Citations
1	Brillouin optomechanics: from strong coupling to single-phonon-level operations. , 2022, , .		0
2	Machine learner optimization of optical nanofiber-based dipole traps. AVS Quantum Science, 2022, 4, .	4.9	8
3	Enhancing the precision limits of interferometric satellite geodesy missions. Npj Microgravity, 2022, 8, .	3.7	2
4	Single-Phonon Addition and Subtraction to a Mechanical Thermal State. Physical Review Letters, 2021, 126, 033601.	7.8	22
5	Optical back-action on the photothermal relaxation rate. Optica, 2021, 8, 177.	9.3	5
6	Sensitive single-photon test of extended quantum theory with two-dimensional hexagonal boron nitride. Physical Review Research, 2021, 3, .	3.6	15
7	Optimal probes for continuous-variable quantum illumination. Physical Review A, 2021, 103, .	2.5	16
8	Efficient computation of the Nagaokaâ€“Hayashi bound for multiparameter estimation with separable measurements. Npj Quantum Information, 2021, 7, .	6.7	21
9	Space Qualification of Ultrafast Laserâ€Written Integrated Waveguide Optics. Laser and Photonics Reviews, 2021, 15, 2000167.	8.7	17
10	Benchmarking a Quantum Random Number Generator with Machine Learning. , 2021, , .		0
11	Efficient computation of the Nagaokaâ€”Hayashi bound for multi-parameter estimation with separable measurements. , 2021, , .		0
12	Non-Gaussian Mechanical Motion via Single and Multiphonon Subtraction from a Thermal State. Physical Review Letters, 2021, 127, 243601.	7.8	14
13	Decoupling cross-quadrature correlations using passive operations. Physical Review A, 2020, 102, .	2.5	1
14	Observation of nonlinear dynamics in an optical levitation system. Communications Physics, 2020, 3, .	5.3	9
15	Dynamics and stability of an optically levitated mirror. Physical Review A, 2020, 101, .	2.5	6
16	Supertransport of excitons in atomically thin organic semiconductors at the 2D quantum limit. Light: Science and Applications, 2020, 9, 116.	16.6	32
17	A high-fidelity heralded quantum squeezing gate. Nature Photonics, 2020, 14, 306-309.	31.4	13
18	Photothermally induced transparency. Science Advances, 2020, 6, eaax8256.	10.3	24

#	Article	IF	Citations
19	Accessible precisions for estimating two conjugate parameters using Gaussian probes. Physical Review Research, 2020, 2, .	3.6	10
20	Secure Random Number Generation in Continuous Variable Systems. Quantum Science and Technology, 2020, , 85-112.	2.6	1
21	Dynamics and Stability of an Optically Levitated Mirror. , 2020, , .		0
22	Real-Time Self-Testing Quantum Random Number Generator with Non-classical States. , 2020, , .		0
23	Maximum entanglement of formation for a two-mode Gaussian state over passive operations. Physical Review A, 2020, 102, .	2.5	3
24	Machine Learning Cryptanalysis of a Quantum Random Number Generator. IEEE Transactions on Information Forensics and Security, 2019, 14, 403-414.	6.9	28
25	Atomic localization of quantum emitters in multilayer hexagonal boron nitride. Nanoscale, 2019, 11, 14362-14371.	5.6	46
26	Compact Cavity-Enhanced Single-Photon Generation with Hexagonal Boron Nitride. ACS Photonics, 2019, 6, 1955-1962.	6.6	83
27	Gaussian multipartite quantum discord from classical mutual information. Journal of Physics B: Atomic, Molecular and Optical Physics, 2019, 52, 245501.	1.5	2
28	Real-Time Source-Independent Quantum Random-Number Generator with Squeezed States. Physical Review Applied, 2019, 12, .	3.8	28
29	Stationary Light in Atomic Media. Advanced Quantum Technologies, 2019, 2, 1800100.	3.9	9
30	Radiation tolerance of two-dimensional material-based devices for space applications. Nature Communications, 2019, 10, 1202.	12.8	91
31	Entanglement properties of a measurement-based entanglement distillation experiment. Physical Review A, 2019, 99, .	2.5	1
32	Towards Storage of Sub-Megahertz Single Photons in Gradient Echo Memory. , 2019, , .		0
33	Fabrication and Deterministic Transfer of High-Quality Quantum Emitters in Hexagonal Boron Nitride. ACS Photonics, 2018, 5, 2305-2312.	6.6	100
34	Fabrication of ultrahigh-precision hemispherical mirrors for quantum-optics applications. Scientific Reports, 2018, 8, 221.	3.3	5
35	Violation of Bellâ€™s Inequality Using Continuous Variable Measurements. Physical Review Letters, 2018, 120, 040406.	7.8	22
36	Ultimate precision of joint quadrature parameter estimation with a Gaussian probe. Physical Review A, 2018, 97, .	2.5	27

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37	Time-reversed and coherently enhanced memory: A single-mode quantum atom-optic memory without a cavity. Physical Review A, 2018, 98, .	2.5	6
38	Integrated photonic platform for quantum information with continuous variables. Science Advances, 2018, 4, eaat9331.	10.3	93
39	Multiparameter optimisation of a magneto-optical trap using deep learning. Nature Communications, 2018, 9, 4360.	12.8	58
40	High-performance Raman memory with spatio-temporal reversal. Optics Express, 2018, 26, 12424.	3.4	6
41	Extending gradient echo memory using machine learning and single photons. , 2018, , .		0
42	Stopped and stationary light with cold atomic ensembles and machine learning.. , 2018, , .		0
43	Phase estimation of coherent states with a noiseless linear amplifier. International Journal of Quantum Information, 2017, 15, 1750009.	1.1	3
44	Overarching framework between Gaussian quantum discord and Gaussian quantum illumination. Physical Review A, 2017, 95, .	2.5	18
45	Compact flexible multi-pass rotary delay line using spinning micro-machined mirrors. Scientific Reports, 2017, 7, 9299.	3.3	1
46	Optomechanically induced carrier-envelope-phase-dependent effects and their analytical solutions. Physical Review A, 2017, 95, .	2.5	1
47	A tight CramÃ©râ€“Rao bound for joint parameter estimation with a pure two-mode squeezed probe. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 2598-2607.	2.1	19
48	Characterization of a measurement-based noiseless linear amplifier and its applications. Physical Review A, 2017, 96, .	2.5	17
49	Enhanced photothermal cooling of nanowires. Quantum Science and Technology, 2017, 2, 034005.	5.8	0
50	Room temperature single photon source using fiber-integrated hexagonal boron nitride. Journal Physics D: Applied Physics, 2017, 50, 295101.	2.8	37
51	Dynamical observations of self-stabilizing stationary light. Nature Physics, 2017, 13, 68-73.	16.7	23
52	Direct imaging of slow, stored and stationary EIT polaritons. Quantum Science and Technology, 2017, 2, 034010.	5.8	6
53	Quantum enhancement of signal-to-noise ratio for arbitrary coherent states using heralded linear amplifiers. , 2017, , .		0
54	Quantum enhancement of signal-to-noise ratio with a heralded linear amplifier. Optica, 2017, 4, 1421.	9.3	14

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55	Quantum enhancement of signal-to-noise ratio for arbitrary coherent states using heralded linear amplifiers. , 2017, , .		0
56	Surpassing the no-cloning limit with a heralded hybrid linear amplifier. , 2017, , .		0
57	Highly efficient and long-lived optical quantum memory with cold atoms. , 2017, , .		3
58	Squeezing quadrature rotation in the acoustic band via optomechanics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 065401.	1.5	2
59	Squeezed light from a diamond-turned monolithic cavity. Optics Express, 2016, 24, 4042.	3.4	7
60	Quantum entanglement of angular momentum states with quantum numbers up to 10,010. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 13642-13647.	7.1	190
61	Maximizing device-independent randomness from a Bell experiment by optimizing the measurement settings. Physical Review A, 2016, 94, .	2.5	4
62	Optomechanical Magnetometry with a Macroscopic Resonator. Physical Review Applied, 2016, 5, .	3.8	36
63	Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. Nature Communications, 2016, 7, 13222.	12.8	34
64	Highly efficient optical quantum memory with long coherence time in cold atoms. Optica, 2016, 3, 100.	9.3	133
65	Synthesis of optical spring potentials in optomechanical systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 125401.	1.5	2
66	Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. Optica, 2016, 3, 634.	9.3	136
67	Maximization of Extractable Randomness in a Quantum Random-Number Generator. Physical Review Applied, 2015, 3, .	3.8	78
68	Replicating the benefits of Deutschian closed timelike curves without breaking causality. Npj Quantum Information, 2015, 1, .	6.7	13
69	A mirrorless spinwave resonator. Scientific Reports, 2015, 5, 17633.	3.3	6
70	Nonlinear Entanglement and its Application to Generating Cat States. Physical Review Letters, 2015, 114, 100403.	7.8	26
71	Multipartite Einsteinâ€“Podolskyâ€“Rosen steering and genuine tripartite entanglement with opticalÂnetworks. Nature Physics, 2015, 11, 167-172.	16.7	249
72	Dual-rail optical gradient echo memory. Optics Express, 2015, 23, 24937.	3.4	3

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73	Impact of backscattered light in a squeezing-enhanced interferometric gravitational-wave detector. Classical and Quantum Gravity, 2014, 31, 035017.	4.0	21
74	Asymmetric EPR entanglement in continuous variable systems. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 225502.	1.5	5
75	Theoretical analysis of an ideal noiseless linear amplifier for Einsteinâ€“Podolskyâ€“Rosen entanglement distillation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 215503.	1.5	13
76	Experimental verification of quantum discord in continuous-variable states. Journal of Physics B: Atomic, Molecular and Optical Physics, 2014, 47, 025503.	1.5	13
77	Electromagnetically induced transparency and four-wave mixing in a cold atomic ensemble with large optical depth. New Journal of Physics, 2014, 16, 113053.	2.9	34
78	3 Modes transmission using hybrid separation with high mode selectivity and low losses spatial mode multiplexer. , 2014, , .		2
79	Discord as a quantum resource for bi-partite communication. , 2014, , .		0
80	Arbitrary unitary transformations on optical states using a quantum memory. , 2014, , .		0
81	Precision spectral manipulation: A demonstration using a coherent optical memory. , 2014, , .		0
82	Experimental verification of quantum discord in continuous-variable states and operational significance of discord consumption. , 2014, , .		1
83	Configurable Unitary Transformations and Linear Logic Gates Using Quantum Memories. Physical Review Letters, 2014, 113, 063601.	7.8	28
84	Multimessenger search for sources of gravitational waves and high-energy neutrinos: Initial results for LIGO-Virgo and IceCube. Physical Review D, 2014, 90, .	4.7	29
85	Measurement-based noiseless linear amplification for quantum communication. Nature Photonics, 2014, 8, 333-338.	31.4	95
86	Progress and challenges in advanced ground-based gravitational-wave detectors. General Relativity and Gravitation, 2014, 46, 1.	2.0	2
87	Multimode laser cooling and ultra-high sensitivity force sensing with nanowires. Nature Communications, 2014, 5, 4663.	12.8	18
88	Search for Gravitational Waves Associated with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-ray Bursts Detected by the Interplanetary Network. Physical Review Letters, 2014, 113, 011102.	7.8	32
89	Methods and results of a search for gravitational waves associated with gamma-ray bursts using the GEO 600, LIGO, and Virgo detectors. Physical Review D, 2014, 89, .	4.7	29
90	Measurement-based noiseless linear amplification for quantum communication. , 2014, , .		5

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91	Laser Actuation of Cantilevers for Picometre Amplitude Dynamic Force Microscopy. Scientific Reports, 2014, 4, 5567.	3.3	25
92	Building a quantum repeater with quantum memories and noiseless amplifiers. , 2013, , .		0
93	Scattering-Free Optical Levitation of a Cavity Mirror. Physical Review Letters, 2013, 111, 183001.	7.8	39
94	Security of continuous-variable quantum cryptography with Gaussian postselection. Physical Review A, 2013, 87, .	2.5	62
95	Continuous improvement. Nature Photonics, 2013, 7, 350-352.	31.4	13
96	Search for gravitational waves from binary black hole inspiral, merger, and ringdown in LIGO-Virgo data from 2009â€“2010. Physical Review D, 2013, 87, .	4.7	92
97	Enhanced sensitivity of the LIGO gravitational wave detector by using squeezed states of light. Nature Photonics, 2013, 7, 613-619.	31.4	825
98	Generation and interferometric analysis of high charge optical vortices. Journal of Optics (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.2	59
99	A first search for coincident gravitational waves and high energy neutrinos using LIGO, Virgo and ANTARES data from 2007. Journal of Cosmology and Astroparticle Physics, 2013, 2013, 008-008.	5.4	32
100	Squeezed quadrature fluctuations in a gravitational wave detector using squeezed light. Optics Express, 2013, 21, 19047.	3.4	61
101	Gradient echo memory in an ultra-high optical depth cold atomic ensemble. New Journal of Physics, 2013, 15, 085027.	2.9	49
102	Einstein@Home all-sky search for periodic gravitational waves in LIGO S5 data. Physical Review D, 2013, 87, .	4.7	91
103	Virtual noiseless amplification. , 2013, , .		0
104	Experimental investigation of the transition between Autler-Townes splitting and electromagnetically-induced-transparency models. Physical Review A, 2013, 87, .	2.5	82
105	Parameter estimation for compact binary coalescence signals with the first generation gravitational-wave detector network. Physical Review D, 2013, 88, .	4.7	132
106	Multi-mode quantum networks. , 2013, , .		0
107	Reconstruction of photon number conditioned states using phase randomized homodyne measurements. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 104009.	1.5	5
108	Gradient Echo Quantum Memory in Warm Atomic Vapor. Journal of Visualized Experiments, 2013, , e50552.	0.3	1

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109	An ultra-high optical depth cold atomic ensemble for quantum memories. Journal of Physics: Conference Series, 2013, 467, 012009.	0.4	5
110	Programmable quantum memory in atomic ensembles. , 2013, , .		0
111	Storage and manipulation of light using a Raman gradient-echo process. Journal of Physics B: Atomic, Molecular and Optical Physics, 2012, 45, 124004.	1.5	30
112	Time- and frequency-domain polariton interference. New Journal of Physics, 2012, 14, 033022.	2.9	26
113	SWIFT FOLLOW-UP OBSERVATIONS OF CANDIDATE GRAVITATIONAL-WAVE TRANSIENT EVENTS. Astrophysical Journal, Supplement Series, 2012, 203, 28.	7.7	62
114	The characterization of Virgo data and its impact on gravitational-wave searches. Classical and Quantum Gravity, 2012, 29, 155002.	4.0	73
115	Generation of high-order optical vortices using directly machined spiral phase mirrors. Applied Optics, 2012, 51, 873.	1.8	65
116	Publisherâ€™s Note: All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run [Phys. Rev. D81, 102001 (2010)]. Physical Review D, 2012, 85, .	4.7	3
117	Spatial-mode storage in a gradient-echo memory. Physical Review A, 2012, 86, .	2.5	53
118	Precision Spectral Manipulation: A Demonstration Using a Coherent Optical Memory. Physical Review X, 2012, 2, .	8.9	13
119	First low-latency LIGO+Virgo search for binary inspirals and their electromagnetic counterparts. Astronomy and Astrophysics, 2012, 541, A155.	5.1	75
120	SEARCH FOR GRAVITATIONAL WAVES ASSOCIATED WITH GAMMA-RAY BURSTS DURING LIGO SCIENCE RUN 6 AND VIRGO SCIENCE RUNS 2 AND 3. Astrophysical Journal, 2012, 760, 12.	4.5	104
121	Quantum benchmarking with realistic states of light. Physical Review A, 2012, 86, .	2.5	13
122	All-sky search for gravitational-wave bursts in the second joint LIGO-Virgo run. Physical Review D, 2012, 85, .	4.7	107
123	Search for gravitational waves from intermediate mass binary black holes. Physical Review D, 2012, 85, .	4.7	48
124	Upper limits on a stochastic gravitational-wave background using LIGO and Virgo interferometers at 600â€“1000ÂHz. Physical Review D, 2012, 85, .	4.7	43
125	Search for gravitational waves from low mass compact binary coalescence in LIGOâ€™s sixth science run and Virgoâ€™s science runs 2 and 3. Physical Review D, 2012, 85, .	4.7	185
126	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2012, 85, .	4.7	2

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127	All-sky search for periodic gravitational waves in the full S5 LIGO data. Physical Review D, 2012, 85, .	4.7	66
128	Balanced homodyne detection of optical quantum states at audio-band frequencies and below. Classical and Quantum Gravity, 2012, 29, 145015.	4.0	108
129	Observing the operational significance of discordÂconsumption. Nature Physics, 2012, 8, 671-675.	16.7	201
130	Programmable multimode quantum networks. Nature Communications, 2012, 3, 1026.	12.8	130
131	Memory-enhanced noiseless cross-phase modulation. Light: Science and Applications, 2012, 1, e40-e40.	16.6	30
132	Implementation and testing of the first prompt search forÂgravitational wave transients with electromagnetic counterparts. Astronomy and Astrophysics, 2012, 539, A124.	5.1	84
133	Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar. Physical Review D, 2011, 83, .	4.7	54
134	High efficiency coherent optical memory with warm rubidium vapour. Nature Communications, 2011, 2, 174.	12.8	253
135	Real time demonstration of high bitrate quantum random number generation with coherent laser light. Applied Physics Letters, 2011, 98, .	3.3	161
136	A scalable, self-analyzing digital locking system for use on quantum optics experiments. Review of Scientific Instruments, 2011, 82, 075113.	1.3	21
137	Backscatter tolerant squeezed light source for advanced gravitational-wave detectors. Optics Letters, 2011, 36, 4680.	3.3	46
138	The nonlinearity of single photons. Nature Photonics, 2011, 5, 580-581.	31.4	0
139	Security of Post-selection based Continuous Variable Quantum Key Distribution against Arbitrary Attacks. , 2011, , .		0
140	Unconditional room-temperature quantumÂmemory. Nature Physics, 2011, 7, 794-798.	16.7	144
141	Demonstrating various quantum effects with two entangled laser beams. European Physical Journal D, 2011, 63, 457-461.	1.3	5
142	High Efficiency Gradient Echo Memory with 3-Level Atoms. , 2011, , .		0
143	Photon-number discrimination without a photon counter and its application to reconstructing non-Gaussian states. Physical Review A, 2011, 84, .	2.5	5
144	Publisherâ€™s Note: Search for gravitational waves associated with the August 2006 timing glitch of the Vela pulsar [Phys. Rev. D83, 042001 (2011)]. Physical Review D, 2011, 83, .	4.7	0

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145	An investigation of doubly-resonant optical parametric oscillators and nonlinear crystals for squeezing. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 015502.	1.5	16
146	QUANTUM SQUEEZING IN ADVANCED GRAVITATIONAL WAVE DETECTORS. International Journal of Modern Physics D, 2011, 20, 2043-2049.	2.1	3
147	A gravitational wave observatory operating beyond the quantum shot-noise limit. Nature Physics, 2011, 7, 962-965.	16.7	716
148	High-order optical vortices from directly machined spiral phase mirrors. , 2011, , .		0
149	Two Color Entanglement. , 2011, , .		4
150	Low Frequency Optical Squeezing. , 2011, , .		0
151	SEARCH FOR GRAVITATIONAL-WAVE BURSTS ASSOCIATED WITH GAMMA-RAY BURSTS USING DATA FROM LIGO SCIENCE RUN 5 AND VIRGO SCIENCE RUN 1. Astrophysical Journal, 2010, 715, 1438-1452.	4.5	60
152	ac Stark gradient echo memory in cold atoms. Physical Review A, 2010, 82, .	2.5	28
153	SEARCHES FOR GRAVITATIONAL WAVES FROM KNOWN PULSARS WITH SCIENCE RUN 5 LIGO DATA. Astrophysical Journal, 2010, 713, 671-685.	4.5	155
154	Precision spectral manipulation of optical pulses using a coherent photon echo memory. Optics Letters, 2010, 35, 1091.	3.3	26
155	All-sky search for gravitational-wave bursts in the first joint LIGO-GEO-Virgo run. Physical Review D, 2010, 81, .	4.7	107
156	Quantum metrology for gravitational wave astronomy. Nature Communications, 2010, 1, 121.	12.8	258
157	SEARCH FOR GRAVITATIONAL-WAVE INSPIRAL SIGNALS ASSOCIATED WITH SHORT GAMMA-RAY BURSTS DURING LIGO'S FIFTH AND VIRGO'S FIRST SCIENCE RUN. Astrophysical Journal, 2010, 715, 1453-1461.	4.5	90
158	Distinguishability of Gaussian states in quantum cryptography using postselection. Physical Review A, 2009, 79, .	2.5	4
159	Observation of a kilogram-scale oscillator near its quantum ground state. New Journal of Physics, 2009, 11, 073032.	2.9	123
160	An upper limit on the stochastic gravitational-wave background of cosmological origin. Nature, 2009, 460, 990-994.	27.8	303
161	Coherent optical pulse sequencer for quantum applications. Nature, 2009, 461, 241-245.	27.8	160
162	A bright future for quantum communications. Nature Photonics, 2009, 3, 671-673.	31.4	36

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163	Optical entanglement of co-propagating modes. Nature Photonics, 2009, 3, 399-402.	31.4	60
164	Colloquium: The Einstein-Podolsky-Rosen paradox: From concepts to applications. Reviews of Modern Physics, 2009, 81, 1727-1751.	45.6	518
165	Einstein@Home search for periodic gravitational waves in LIGO S4 data. Physical Review D, 2009, 79, .	4.7	83
166	Search for gravitational-wave bursts in the first year of the fifth LIGO science run. Physical Review D, 2009, 80, .	4.7	79
167	LIGO: the Laser Interferometer Gravitational-Wave Observatory. Reports on Progress in Physics, 2009, 72, 076901.	20.1	971
168	Einstein@Home search for periodic gravitational waves in early S5 LIGO data. Physical Review D, 2009, 80, .	4.7	78
169	First LIGO search for gravitational wave bursts from cosmic (super)strings. Physical Review D, 2009, 80, .	4.7	45
170	Search for gravitational waves from low mass compact binary coalescence in 186 days of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	4.7	105
171	Search for gravitational waves from low mass binary coalescences in the first year of LIGOâ€™s S5 data. Physical Review D, 2009, 79, .	4.7	120
172	Spatial-state Stokes-operator squeezing and entanglement for optical beams. Physical Review A, 2009, 79, .	2.5	23
173	Search for gravitational wave ringdowns from perturbed black holes in LIGO S4 data. Physical Review D, 2009, 80, .	4.7	38
174	Search for high frequency gravitational-wave bursts in the first calendar year of LIGOâ€™s fifth science run. Physical Review D, 2009, 80, .	4.7	32
175	STACKED SEARCH FOR GRAVITATIONAL WAVES FROM THE 2006 SGR 1900+14 STORM. Astrophysical Journal, 2009, 701, L68-L74.	4.5	45
176	Quantum cloning of continuous-variable entangled states. Physical Review A, 2008, 77, .	2.5	16
177	Entangling the Spatial Properties of Laser Beams. Science, 2008, 321, 541-543.	12.6	81
178	Photon echoes generated by reversing magnetic field gradients in a rubidium vapor. Optics Letters, 2008, 33, 2323.	3.3	94
179	Delay of squeezing and entanglement using electromagnetically induced transparency in a vapour cell. Optics Express, 2008, 16, 7369.	3.4	24
180	Electro-Optic Quantum Memory for Light Using Two-Level Atoms. Physical Review Letters, 2008, 100, 023601.	7.8	172

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181	First joint search for gravitational-wave bursts in LIGO and GEO 600 data. Classical and Quantum Gravity, 2008, 25, 245008.	4.0	22
182	Multimodal Properties and Dynamics of Gradient Echo Quantum Memory. Physical Review Letters, 2008, 101, 203601.	7.8	62
183	Search for Gravitational-Wave Bursts from Soft Gamma Repeaters. Physical Review Letters, 2008, 101, 211102.	7.8	69
184	Observation of Entanglement between Two Light Beams Spanning an Octave in Optical Frequency. Physical Review Letters, 2008, 100, 243601.	7.8	37
185	Squeezed light for bandwidth-limited atom optics experiments at the rubidium D1 line. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 221-226.	1.5	60
186	Search for gravitational-wave bursts in LIGO data from the fourth science run. Classical and Quantum Gravity, 2007, 24, 5343-5369.	4.0	78
187	Upper limits on gravitational wave emission from 78 radio pulsars. Physical Review D, 2007, 76, .	4.7	121
188	Publisherâ€™s Note: First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds [Phys. Rev. DPRVDAQ0556-282176, 022001 (2007)]. Physical Review D, 2007, 76, .	4.7	0
189	Measuring Photon Antibunching from Continuous Variable Sideband Squeezing. Physical Review Letters, 2007, 98, 153603.	7.8	56
190	First cross-correlation analysis of interferometric and resonant-bar gravitational-wave data for stochastic backgrounds. Physical Review D, 2007, 76, .	4.7	35
191	Gradient echo quantum memory for light using two-level atoms. , 2007, , .		1
192	Technical limitations to homodyne detection at audio frequencies. Applied Optics, 2007, 46, 3389.	2.1	24
193	Searches for periodic gravitational waves from unknown isolated sources and Scorpius X-1: Results from the second LIGO science run. Physical Review D, 2007, 76, .	4.7	128
194	Upper limit map of a background of gravitational waves. Physical Review D, 2007, 76, .	4.7	90
195	Search for gravitational wave radiation associated with the pulsating tail of the SGR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1806</mml:mn><mml:mo>â^’</mml:mo><mml:mn>20</mml:mn></mml:math>hyperflare of 27 December 2004 using LIGO. Physical Review D, 2007, 76, .	4.7	51
196	Tools for Multimode Quantum Information: Modulation, Detection, and Spatial Quantum Correlations. Physical Review Letters, 2007, 98, 083602.	7.8	89
197	Experimental demonstration of post-selection-based continuous-variable quantum key distribution in the presence of Gaussian noise. Physical Review A, 2007, 76, .	2.5	33
198	Security of Post-Selection based Continuous Variable Quantum Key Distribution in the Presence of Gaussian Added Noise. , 2007, , .		0

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199	Harmonic entanglement from second-order nonlinearity: optimization and interpretation. , 2007, , .		0
200	Demonstrating spatial entanglement for the position and momentum of laser beams. , 2007, , .		0
201	Development of Strong and Low Frequency Squeezing.. , 2007, , .		0
202	Quantum Imaging Techniques for Improving Information Extraction from Images. , 2007, , 323-343.		0
203	Quantum State Sharing with Continuous Variables. , 2007, , 285-303.		1
204	Quantum Imaging by Synthesis of Multimode Quantum Light. , 2007, , 67-78.		0
205	Effect of atomic noise on optical squeezing via polarization self-rotation in a thermal vapor cell. Physical Review A, 2006, 73, .	2.5	28
206	A Quantum Study of Multibit Phase Coding for Optical Storage. IEEE Journal of Quantum Electronics, 2006, 42, 1001-1007.	1.9	19
207	Coherent-state quantum key distribution without random basis switching. Physical Review A, 2006, 73, .	2.5	42
208	Quantum Study of Information Delay in Electromagnetically Induced Transparency. Physical Review Letters, 2006, 97, 183601.	7.8	59
209	Conditional quantum-state engineering using ancillary squeezed-vacuum states. Physical Review A, 2006, 74, .	2.5	23
210	Quantum measurements of spatial conjugate variables: displacement and tilt of a Gaussian beam. Optics Letters, 2006, 31, 1537.	3.3	31
211	Nonlinear phase matching locking via optical readout. Optics Express, 2006, 14, 11256.	3.4	8
212	Generation of Squeezing in Higher Order Hermite - Gaussian Modes with an Optical Parametric Amplifier. Journal of the European Optical Society-Rapid Publications, 2006, 1, .	1.9	28
213	Squeezed state generation for interferometric gravitational-wave detection. Classical and Quantum Gravity, 2006, 23, S245-S250.	4.0	21
214	Harmonic Entanglement with Second-Order Nonlinearity. Physical Review Letters, 2006, 96, 063601.	7.8	46
215	Quantum-state engineering with continuous-variable postselection. Physical Review A, 2006, 73, .	2.5	29
216	Spatial quantum effects with continuous-wave laser beams. Journal of Modern Optics, 2006, 53, 597-611.	1.3	3

#	Article	IF	Citations
217	TEM10homodyne detection as an optimal small-displacement and tilt-measurement scheme. Physical Review A, 2006, 74, .	2.5	40
218	Mesure optimale de tilt et dÃ©placement d'un faisceau gaussien. European Physical Journal Special Topics, 2006, 135, 149-150.	0.2	0
219	Teaching a laser beam to go straight. Contemporary Physics, 2005, 46, 395-405.	1.8	2
220	Quantum noise locking. Journal of Optics B: Quantum and Semiclassical Optics, 2005, 7, S421-S428.	1.4	68
221	No-Switching Quantum Key Distribution Using Broadband Modulated Coherent Light. Physical Review Letters, 2005, 95, 180503.	7.8	195
222	Photothermal fluctuations as a fundamental limit to low-frequency squeezing in a degenerate optical parametric oscillator. Physical Review A, 2005, 72, .	2.5	22
223	Continuous-variable spatial entanglement for bright optical beams. Physical Review A, 2005, 72, .	2.5	20
224	Squeezing and entanglement delay using slow light. Physical Review A, 2005, 71, .	2.5	64
225	Continuous-variable quantum-state sharing via quantum disentanglement. Physical Review A, 2005, 71, .	2.5	102
226	Squeezing in the Audio Gravitational-Wave Detection Band. Physical Review Letters, 2004, 93, 161105.	7.8	171
227	Quantum Cryptography Without Switching. Physical Review Letters, 2004, 93, 170504.	7.8	381
228	Experimental characterization of continuous-variable entanglement. Physical Review A, 2004, 69, .	2.5	83
229	Quantum state sharing. , 2004, , .		3
230	Squeezed light at sideband frequencies below 100 kHz from a single OPA. Optics Communications, 2004, 240, 185-190.	2.1	23
231	Tripartite Quantum State Sharing. Physical Review Letters, 2004, 92, 177903.	7.8	458
232	Electro-optic modulator capable of generating simultaneous amplitude and phase modulations. Applied Optics, 2004, 43, 5079.	2.1	13
233	Optimal optical measurement of small displacements. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, 495-501.	1.4	59
234	Is quantum secret sharing different to the sharing of a quantum secret?. , 2004, , .		0

#	Article	IF	Citations
235	Four modes of optical parametric operation for squeezed state generation. European Physical Journal D, 2003, 27, 181-191.	1.3	3
236	Unity gain and nonunity gain quantum teleportation. IEEE Journal of Selected Topics in Quantum Electronics, 2003, 9, 1519-1532.	2.9	29
237	Experimental Investigation of Criteria for Continuous Variable Entanglement. Physical Review Letters, 2003, 90, 043601.	7.8	208
238	Continuous variable (2, 3) threshold quantum secret sharing schemes. New Journal of Physics, 2003, 5, 4-4.	2.9	46
239	Experimental investigation of continuous-variable quantum teleportation. Physical Review A, 2003, 67, .	2.5	280
240	A Quantum Laser Pointer. Science, 2003, 301, 940-943.	12.6	263
241	Teleportation of continuous-variable polarization states. Physical Review A, 2003, 68, .	2.5	14
242	Stokes-operator-squeezed continuous-variable polarization states. Physical Review A, 2003, 67, .	2.5	41
243	Continuous variable polarization entanglement, experiment and analysis. Journal of Optics B: Quantum and Semiclassical Optics, 2003, 5, S467-S478.	1.4	14
244	Biased EPR entanglement and its application to teleportation. Journal of Modern Optics, 2003, 50, 801-813.	1.3	13
245	Polarization Squeezing of Continuous Variable Stokes Parameters. Physical Review Letters, 2002, 88, 093601.	7.8	104
246	Experimental Demonstration of a Squeezing-Enhanced Power-Recycled Michelson Interferometer for Gravitational Wave Detection. Physical Review Letters, 2002, 88, 231102.	7.8	181
247	Experimental Demonstration of Continuous Variable Polarization Entanglement. Physical Review Letters, 2002, 89, 253601.	7.8	164
248	Quantum nondemolition measurement with a nonclassical meter input and an electro-optic enhancement. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S229-S237.	1.4	4
249	Surpassing the Standard Quantum Limit for Optical Imaging Using Nonclassical Multimode Light. Physical Review Letters, 2002, 88, 203601.	7.8	190
250	Quantum information processing in optical images. Superlattices and Microstructures, 2002, 32, 323-329.	3.1	1
251	Squeezing more from a quantum nondemolition measurement. Physical Review A, 2001, 65, .	2.5	25
252	Kerr noise reduction and squeezing. Journal of Optics B: Quantum and Semiclassical Optics, 2000, 2, 553-561.	1.4	13

#	Article	IF	Citations
253	Enhancement of quantum nondemolition measurements with an electro-optic feed-forward amplifier. Physical Review A, 1999, 60, 4943-4950.	2.5	12
254	Experimental test of modular noise propagation theory for quantum optics. Physical Review A, 1996, 54, 3400-3404.	2.5	12
255	Complete atomic population inversion using correlated sidebands. Physical Review A, 1994, 50, 3500-3504.	2.5	14
256	Homodyne detection as an optimal small displacement measurement. , 0, , .		0