

Timothy Cameron Ralph

List of Publications by Citations

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297
papers

16,355
citations

59
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122
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353
ext. papers

19,233
ext. citations

6.1
avg. IF

6.74
L-index

#	Paper	IF	Citations
297	Gaussian quantum information. <i>Reviews of Modern Physics</i> , 2012 , 84, 621-669	40.5	1734
296	Linear optical quantum computing with photonic qubits. <i>Reviews of Modern Physics</i> , 2007 , 79, 135-174	40.5	1596
295	Demonstration of an all-optical quantum controlled-NOT gate. <i>Nature</i> , 2003 , 426, 264-7	50.4	651
294	Universal quantum computation with continuous-variable cluster states. <i>Physical Review Letters</i> , 2006 , 97, 110501	7.4	437
293	Quantum computation with optical coherent states. <i>Physical Review A</i> , 2003 , 68,	2.6	429
292	Simplifying quantum logic using higher-dimensional Hilbert spaces. <i>Nature Physics</i> , 2009 , 5, 134-140	16.2	428
291	Photonic boson sampling in a tunable circuit. <i>Science</i> , 2013 , 339, 794-8	33.3	417
290	Continuous variable quantum cryptography. <i>Physical Review A</i> , 1999 , 61,	2.6	360
289	Quantum process tomography of a controlled-NOT gate. <i>Physical Review Letters</i> , 2004 , 93, 080502	7.4	294
288	Quantum cryptography without switching. <i>Physical Review Letters</i> , 2004 , 93, 170504	7.4	290
287	Large-scale silicon quantum photonics implementing arbitrary two-qubit processing. <i>Nature Photonics</i> , 2018 , 12, 534-539	33.9	239
286	Experimental investigation of continuous-variable quantum teleportation. <i>Physical Review A</i> , 2003 , 67,	2.6	239
285	Measurement of quantum weak values of photon polarization. <i>Physical Review Letters</i> , 2005 , 94, 220405	7.4	238
284	Continuous variable quantum cryptography: beating the 3 dB loss limit. <i>Physical Review Letters</i> , 2002 , 89, 167901	7.4	230
283	Heralded noiseless linear amplification and distillation of entanglement. <i>Nature Photonics</i> , 2010 , 4, 316-319	7.4	214
282	Linear optical controlled-NOT gate in the coincidence basis. <i>Physical Review A</i> , 2002 , 65,	2.6	206
281	Polarization squeezing and continuous-variable polarization entanglement. <i>Physical Review A</i> , 2002 , 65,	2.6	202

280	Tomography of quantum detectors. <i>Nature Physics</i> , 2009 , 5, 27-30	16.2	197
279	Quantum computing with continuous-variable clusters. <i>Physical Review A</i> , 2009 , 79,	2.6	194
278	Experimental investigation of criteria for continuous variable entanglement. <i>Physical Review Letters</i> , 2003 , 90, 043601	7.4	184
277	Observing the operational significance of discord consumption. <i>Nature Physics</i> , 2012 , 8, 671-675	16.2	180
276	Fault-tolerant linear optical quantum computing with small-amplitude coherent States. <i>Physical Review Letters</i> , 2008 , 100, 030503	7.4	172
275	Teleportation with Bright Squeezed Light. <i>Physical Review Letters</i> , 1998 , 81, 5668-5671	7.4	162
274	Efficient Toffoli gates using qudits. <i>Physical Review A</i> , 2007 , 75,	2.6	158
273	No-switching quantum key distribution using broadband modulated coherent light. <i>Physical Review Letters</i> , 2005 , 95, 180503	7.4	157
272	Teleportation improvement by conditional measurements on the two-mode squeezed vacuum. <i>Physical Review A</i> , 2002 , 65,	2.6	156
271	Quantum-enhanced optical-phase tracking. <i>Science</i> , 2012 , 337, 1514-7	33.3	148
270	Boson sampling from a Gaussian state. <i>Physical Review Letters</i> , 2014 , 113, 100502	7.4	145
269	Simple scheme for efficient linear optics quantum gates. <i>Physical Review A</i> , 2001 , 65,	2.6	136
268	Conditional production of superpositions of coherent states with inefficient photon detection. <i>Physical Review A</i> , 2004 , 70,	2.6	135
267	Generation of hybrid entanglement of light. <i>Nature Photonics</i> , 2014 , 8, 564-569	33.9	120
266	Continuous Variable Entanglement Swapping. <i>Physical Review Letters</i> , 1999 , 83, 2095-2099	7.4	119
265	Schrödinger cats and their power for quantum information processing. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S828-S833		110
264	Loss-tolerant optical qubits. <i>Physical Review Letters</i> , 2005 , 95, 100501	7.4	106
263	Measuring a photonic qubit without destroying it. <i>Physical Review Letters</i> , 2004 , 92, 190402	7.4	105

262	Quantum cryptography approaching the classical limit. <i>Physical Review Letters</i> , 2010 , 105, 110501	7.4	101
261	Continuous-variable quantum-state sharing via quantum disentanglement. <i>Physical Review A</i> , 2005 , 71,	2.6	97
260	Heralded noiseless amplification of a photon polarization qubit. <i>Nature Physics</i> , 2013 , 9, 23-28	16.2	90
259	Engineered optical nonlinearity for quantum light sources. <i>Optics Express</i> , 2011 , 19, 55-65	3.3	84
258	Optimization and transfer of vacuum squeezing from an optical parametric oscillator. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999 , 1, 469-474		82
257	Security of continuous-variable quantum cryptography. <i>Physical Review A</i> , 2000 , 62,	2.6	81
256	Continuous-variable quantum key distribution using thermal states. <i>Physical Review A</i> , 2012 , 86,	2.6	79
255	Adding control to arbitrary unknown quantum operations. <i>Nature Communications</i> , 2011 , 2, 413	17.4	77
254	A quantum Fredkin gate. <i>Science Advances</i> , 2016 , 2, e1501531	14.3	75
253	Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. <i>Optica</i> , 2016 , 3, 634	8.6	74
252	Nondeterministic Noiseless Linear Amplification of Quantum Systems 2009 ,		72
251	Quantum nondemolition measurements for quantum information. <i>Physical Review A</i> , 2006 , 73,	2.6	71
250	Entanglement between the future and the past in the quantum vacuum. <i>Physical Review Letters</i> , 2011 , 106, 110404	7.4	70
249	Generation of macroscopic superposition states with small nonlinearity. <i>Physical Review A</i> , 2004 , 70,	2.6	68
248	Quantum sampling problems, BosonSampling and quantum supremacy. <i>Npj Quantum Information</i> , 2017 , 3,	8.6	67
247	Experimental characterization of continuous-variable entanglement. <i>Physical Review A</i> , 2004 , 69,	2.6	67
246	Measurement-based noiseless linear amplification for quantum communication. <i>Nature Photonics</i> , 2014 , 8, 333-338	33.9	65
245	Adaptive optical phase estimation using time-symmetric quantum smoothing. <i>Physical Review Letters</i> , 2010 , 104, 093601	7.4	65

244	Sufficient Conditions for Efficient Classical Simulation of Quantum Optics. <i>Physical Review X</i> , 2016 , 6,	9.1	64
243	Production of superpositions of coherent states in traveling optical fields with inefficient photon detection. <i>Physical Review A</i> , 2005 , 72,	2.6	63
242	High-fidelity operation of quantum photonic circuits. <i>Applied Physics Letters</i> , 2010 , 97, 211109	3.4	60
241	Optimized generation of heralded Fock states using parametric down-conversion. <i>New Journal of Physics</i> , 2010 , 12, 063001	2.9	60
240	Quantum error correction of continuous-variable states against Gaussian noise. <i>Physical Review A</i> , 2011 , 84,	2.6	60
239	Direct characterization of linear-optical networks. <i>Optics Express</i> , 2013 , 21, 13450-8	3.3	59
238	Error tolerance of the boson-sampling model for linear optics quantum computing. <i>Physical Review A</i> , 2012 , 85,	2.6	56
237	Violation of Bell's inequality using classical measurements and nonlinear local operations. <i>Physical Review A</i> , 2007 , 75,	2.6	56
236	Spacetime effects on satellite-based quantum communications. <i>Physical Review D</i> , 2014 , 90,	4.9	55
235	Undoing the effect of loss on quantum entanglement. <i>Nature Photonics</i> , 2015 , 9, 764-768	33.9	53
234	General relativistic effects in quantum interference of photons. <i>Classical and Quantum Gravity</i> , 2012 , 29, 224010	3.3	52
233	Security of continuous-variable quantum cryptography with Gaussian postselection. <i>Physical Review A</i> , 2013 , 87,	2.6	49
232	Arbitrarily large continuous-variable cluster states from a single quantum nondemolition gate. <i>Physical Review Letters</i> , 2010 , 104, 250503	7.4	49
231	Quantum connectivity of space-time and gravitationally induced decorrelation of entanglement. <i>Physical Review A</i> , 2009 , 79,	2.6	49
230	Transmission of optical coherent-state qubits. <i>Physical Review A</i> , 2004 , 70,	2.6	48
229	Intensity-noise properties of injection-locked lasers. <i>Physical Review A</i> , 1996 , 54, 4370-4382	2.6	48
228	Measuring photon antibunching from continuous variable sideband squeezing. <i>Physical Review Letters</i> , 2007 , 98, 153603	7.4	47
227	Optimal photons for quantum-information processing. <i>Physical Review A</i> , 2005 , 72,	2.6	47

226	Squeezed light from a coherently pumped four-level laser. <i>Physical Review A</i> , 1991 , 44, 7809-7814	2.6	47
225	Failure of local realism revealed by extremely-coarse-grained measurements. <i>Physical Review Letters</i> , 2009 , 102, 060403	7.4	45
224	Noiseless Signal Amplification using Positive Electro-Optic Feedforward. <i>Physical Review Letters</i> , 1997 , 79, 1471-1474	7.4	45
223	Entangling moving cavities in noninertial frames. <i>Physical Review Letters</i> , 2011 , 106, 210502	7.4	44
222	Squeezed light from conventionally pumped multilevel lasers. <i>Optics Letters</i> , 1991 , 16, 1113-5	3	44
221	What can quantum optics say about computational complexity theory?. <i>Physical Review Letters</i> , 2015 , 114, 060501	7.4	43
220	Extraction of timelike entanglement from the quantum vacuum. <i>Physical Review A</i> , 2012 , 85,	2.6	42
219	Optical Quantum Computation. <i>Progress in Optics</i> , 2010 , 209-269	3.4	42
218	Methods for a linear optical quantum Fredkin gate. <i>Physical Review A</i> , 2008 , 78,	2.6	40
217	Transfer of nonclassical properties from a microscopic superposition to macroscopic thermal states in the high temperature limit. <i>Physical Review Letters</i> , 2006 , 97, 100401	7.4	40
216	Nondeterministic gates for photonic single-rail quantum logic. <i>Physical Review A</i> , 2002 , 66,	2.6	40
215	Proposal for the measurement of bell-type correlations from continuous variables. <i>Physical Review Letters</i> , 2000 , 85, 2035-9	7.4	39
214	High-fidelity teleportation of continuous-variable quantum states using delocalized single photons. <i>Physical Review Letters</i> , 2013 , 111, 050504	7.4	38
213	Stokes-operator-squeezed continuous-variable polarization states. <i>Physical Review A</i> , 2003 , 67,	2.6	38
212	Coherent superposition states as quantum rulers. <i>Physical Review A</i> , 2002 , 65,	2.6	38
211	Intensity noise of injection-locked lasers: Quantum theory using a linearized input-output method. <i>Physical Review A</i> , 1996 , 54, 4359-4369	2.6	38
210	Quantum repeaters using continuous-variable teleportation. <i>Physical Review A</i> , 2017 , 95,	2.6	37
209	Quantum optical systems for the implementation of quantum information processing. <i>Reports on Progress in Physics</i> , 2006 , 69, 853-898	14.4	36

208	Demonstration of the spatial separation of the entangled quantum sidebands of an optical field. <i>Physical Review A</i> , 2005 , 71,	2.6	36
207	Modelling photo-detectors in quantum optics. <i>Journal of Modern Optics</i> , 2006 , 53, 1589-1603	1.1	35
206	Quantum estimation of the Schwarzschild spacetime parameters of the Earth. <i>Physical Review D</i> , 2014 , 90,	4.9	34
205	Calculating unknown eigenvalues with a quantum algorithm. <i>Nature Photonics</i> , 2013 , 7, 223-228	33.9	34
204	Unconditional continuous-variable dense coding. <i>Physical Review A</i> , 2002 , 66,	2.6	34
203	All-optical quantum teleportation. <i>Optics Letters</i> , 1999 , 24, 348-50	3	34
202	Coherent-state quantum key distribution without random basis switching. <i>Physical Review A</i> , 2006 , 73,	2.6	33
201	Intensity-noise dependence of Nd:YAG lasers on their diode-laser pump source. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1997 , 14, 2936	1.7	32
200	Components for optical qubits encoded in sideband modes. <i>Physical Review A</i> , 2004 , 69,	2.6	32
199	Scheme for the generation of entangled solitons for quantum communication. <i>Journal of Modern Optics</i> , 1999 , 46, 1927-1939	1.1	32
198	Mach-Zehnder interferometer and the teleporter. <i>Physical Review A</i> , 2000 , 61,	2.6	31
197	Photon sorting, efficient bell measurements, and a deterministic controlled-Z gate using a passive two-level nonlinearity. <i>Physical Review Letters</i> , 2015 , 114, 173603	7.4	30
196	Suppression of classic and quantum radiation pressure noise by electro-optic feedback. <i>Optics Letters</i> , 1999 , 24, 259-61	3	30
195	Experimental simulation of closed timelike curves. <i>Nature Communications</i> , 2014 , 5, 4145	17.4	29
194	Experimental demonstration of post-selection-based continuous-variable quantum key distribution in the presence of Gaussian noise. <i>Physical Review A</i> , 2007 , 76,	2.6	29
193	Quantum-state engineering with continuous-variable postselection. <i>Physical Review A</i> , 2006 , 73,	2.6	28
192	Quantum computation based on linear optics 2002 , 4917, 1		28
191	Characterizing teleportation in optics. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999 , 1, 483-489		28

190	Information flow of quantum states interacting with closed timelike curves. <i>Physical Review A</i> , 2010 , 82,	2.6	27
189	Frequency and temporal effects in linear optical quantum computing. <i>Physical Review A</i> , 2005 , 71,	2.6	27
188	Quantum communication with an accelerated partner. <i>Physical Review A</i> , 2013 , 87,	2.6	26
187	Optimal architecture for a nondeterministic noiseless linear amplifier. <i>Physical Review A</i> , 2014 , 89,	2.6	26
186	Continuous-variable entanglement distillation over a general lossy channel. <i>Physical Review A</i> , 2009 , 80,	2.6	26
185	Squeezed light from second-harmonic generation: experiment versus theory. <i>Optics Letters</i> , 1995 , 20, 1316-8	3	26
184	Optimal cloning for finite distributions of coherent states. <i>Physical Review A</i> , 2004 , 69,	2.6	25
183	. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2003 , 9, 1519-1532	3.8	25
182	Utilizing encoding in scalable linear optics quantum computing. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, 533-541		24
181	Configurable unitary transformations and linear logic gates using quantum memories. <i>Physical Review Letters</i> , 2014 , 113, 063601	7.4	23
180	Squeezing more from a quantum nondemolition measurement. <i>Physical Review A</i> , 2001 , 65,	2.6	23
179	Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. <i>Nature Communications</i> , 2016 , 7, 13222	17.4	22
178	Measurement-based method for verifying quantum discord. <i>Physical Review A</i> , 2013 , 87,	2.6	22
177	Quantum superpositions and entanglement of thermal states at high temperatures and their applications to quantum-information processing. <i>Physical Review A</i> , 2007 , 76,	2.6	22
176	Quantum-gate characterization in an extended Hilbert space. <i>Physical Review A</i> , 2005 , 72,	2.6	22
175	Nearly deterministic bell measurement for multiphoton qubits and its application to quantum information processing. <i>Physical Review Letters</i> , 2015 , 114, 113603	7.4	21
174	Relativistic quantum information. <i>Classical and Quantum Gravity</i> , 2012 , 29, 220301	3.3	21
173	Relativistic quantum information and time machines. <i>Contemporary Physics</i> , 2012 , 53, 1-16	3.3	21

172	Ultrafine Entanglement Witnessing. <i>Physical Review Letters</i> , 2017 , 118, 110502	7.4	20
171	Conditional quantum-state engineering using ancillary squeezed-vacuum states. <i>Physical Review A</i> , 2006 , 74,	2.6	20
170	Experimental requirements for Grover's algorithm in optical quantum computation. <i>Physical Review A</i> , 2003 , 68,	2.6	20
169	Adaptive phase measurements in linear optical quantum computation. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005 , 7, S245-S249		20
168	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , 2018 , 20, 063016	2.9	20
167	Quantifying entanglement in two-mode Gaussian states. <i>Physical Review A</i> , 2017 , 96,	2.6	19
166	Quantum-state cloning in the presence of a closed timelike curve. <i>Physical Review A</i> , 2013 , 88,	2.6	19
165	Nondeterministic noiseless amplification via non-symplectic phase space transformations. <i>New Journal of Physics</i> , 2013 , 15, 073014	2.9	19
164	Fault tolerance in parity-state linear optical quantum computing. <i>Physical Review A</i> , 2010 , 82,	2.6	19
163	Fair-sampling assumption is not necessary for testing local realism. <i>Physical Review A</i> , 2010 , 81,	2.6	19
162	Efficient parity-encoded optical quantum computing. <i>Physical Review A</i> , 2007 , 75,	2.6	19
161	Exact boson sampling using Gaussian continuous-variable measurements. <i>Physical Review A</i> , 2017 , 96,	2.6	18
160	Feedback control of laser intensity noise. <i>Physical Review A</i> , 1998 , 57, 1286-1294	2.6	18
159	Coherent analysis of quantum optical sideband modes. <i>Optics Letters</i> , 2005 , 30, 2481-3	3	18
158	Separating the quantum sidebands of an optical field. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002 , 4, 123-128		18
157	Experimental test of photonic entanglement in accelerated reference frames. <i>Nature Communications</i> , 2017 , 8, 15304	17.4	17
156	High-fidelity Z-measurement error encoding of optical qubits. <i>Physical Review A</i> , 2005 , 71,	2.6	17
155	Open timelike curves violate Heisenberg's uncertainty principle. <i>Physical Review Letters</i> , 2013 , 110, 060501	5.1	16

154	Quantum Correlations in Nonlocal Boson Sampling. <i>Physical Review Letters</i> , 2017 , 119, 120502	7.4	16
153	Squeezed light in a frontal-phase-modulated signal-recycled interferometer. <i>Physical Review A</i> , 1998 , 57, 3898-3912	2.6	16
152	Entanglement decoherence in a gravitational well according to the event formalism. <i>New Journal of Physics</i> , 2014 , 16, 085008	2.9	15
151	Entanglement dynamics and quasi-periodicity in discrete quantum walks. <i>Journal of Modern Optics</i> , 2012 , 59, 710-720	1.1	15
150	Scaling of multiple postselected quantum gates in optics. <i>Physical Review A</i> , 2004 , 70,	2.6	15
149	Satellite testing of a gravitationally induced quantum decoherence model. <i>Science</i> , 2019 , 366, 132-135	33.3	14
148	Quantum correlations and global coherence in distributed quantum computing. <i>Physical Review A</i> , 2019 , 99,	2.6	14
147	Fundamental building block for all-optical scalable quantum networks. <i>Physical Review A</i> , 2019 , 100,	2.6	14
146	Coherent state topological cluster state production. <i>New Journal of Physics</i> , 2011 , 13, 115015	2.9	14
145	Quantum cloning of continuous-variable entangled states. <i>Physical Review A</i> , 2008 , 77,	2.6	14
144	Error models for mode mismatch in linear optics quantum computing. <i>Physical Review A</i> , 2006 , 73,	2.6	14
143	Improving the fidelity of optical Zeno gates via distillation. <i>Physical Review A</i> , 2006 , 74,	2.6	14
142	Homodyne measurement of the average photon number. <i>Physical Review A</i> , 2006 , 73,	2.6	14
141	Observation of a comb of optical squeezing over many gigahertz of bandwidth. <i>Optics Express</i> , 2007 , 15, 5310-7	3.3	14
140	Violation of Bell's Inequality Using Continuous Variable Measurements. <i>Physical Review Letters</i> , 2018 , 120, 040406	7.4	13
139	Measurement-Device-Independent Approach to Entanglement Measures. <i>Physical Review Letters</i> , 2017 , 118, 150505	7.4	13
138	Experimental verification of quantum discord in continuous-variable states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 025503	1.3	13
137	Multiplexed communication over a high-speed quantum channel. <i>Physical Review A</i> , 2010 , 81,	2.6	13

136	Quantum memory scheme based on optical fibers and cavities. <i>Physical Review A</i> , 2006 , 74,	2.6	13
135	Unitary solution to a quantum gravity information paradox. <i>Physical Review A</i> , 2007 , 76,	2.6	13
134	Can the fluctuations of the quantum vacuum solve the cosmological constant problem?. <i>Physical Review D</i> , 2018 , 98,	4.9	13
133	Entanglement-free certification of entangling gates. <i>Physical Review A</i> , 2014 , 89,	2.6	12
132	Photon number projection using non-number-resolving detectors. <i>New Journal of Physics</i> , 2007 , 9, 233-233,		12
131	Error tolerance and tradeoffs in loss- and failure-tolerant quantum computing schemes. <i>Physical Review A</i> , 2007 , 75,	2.6	12
130	Comparison of linear optics quantum-computation control-sign gates with ancilla inefficiency and an improvement to functionality under these conditions. <i>Physical Review A</i> , 2003 , 68,	2.6	12
129	Detecting the degree of macroscopic quantumness using an overlap measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 3057	1.7	11
128	Generation of a frequency comb of squeezing in an optical parametric oscillator. <i>Physical Review A</i> , 2006 , 73,	2.6	11
127	Optical zeno gate: bounds for fault tolerant operation. <i>New Journal of Physics</i> , 2007 , 9, 224-224	2.9	11
126	Continuous variable polarization entanglement, experiment and analysis. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003 , 5, S467-S478		11
125	Numerical modeling of evanescent-wave atom optics. <i>Physical Review A</i> , 1995 , 52, 4741-4746	2.6	11
124	Experimental test of modular noise propagation theory for quantum optics. <i>Physical Review A</i> , 1996 , 54, 3400-3404	2.6	11
123	Quantum circuit model for non-inertial objects: a uniformly accelerated mirror. <i>New Journal of Physics</i> , 2017 , 19, 063017	2.9	10
122	Quantum error correction of continuous-variable states with realistic resources. <i>Physical Review A</i> , 2018 , 97,	2.6	10
121	Replicating the benefits of Deutschian closed timelike curves without breaking causality. <i>Npj Quantum Information</i> , 2015 , 1,	8.6	10
120	Linear optical quantum computation with imperfect entangled photon-pair sources and inefficient non-photon-number-resolving detectors. <i>Physical Review A</i> , 2010 , 81,	2.6	10
119	Feedback control of the intensity noise of injection locked lasers. <i>Optics Communications</i> , 1998 , 145, 359-366	2	10

118	Single-photon side bands. <i>Physical Review A</i> , 2008 , 77,	2.6	10
117	Enhancement of quantum nondemolition measurements with an electro-optic feed-forward amplifier. <i>Physical Review A</i> , 1999 , 60, 4943-4950	2.6	10
116	Understanding and controlling laser intensity noise. <i>Optical and Quantum Electronics</i> , 1999 , 31, 583-598	2.4	10
115	Biased EPR entanglement and its application to teleportation		10
114	Simulation of Gaussian channels via teleportation and error correction of Gaussian states. <i>Physical Review A</i> , 2018 , 98,	2.6	10
113	Generation of a Cat State in an Optical Sideband. <i>Physical Review Letters</i> , 2018 , 121, 143602	7.4	10
112	Quantifying entanglement of formation for two-mode Gaussian states: Analytical expressions for upper and lower bounds and numerical estimation of its exact value. <i>Physical Review A</i> , 2019 , 99,	2.6	9
111	Quantum key distribution without sending a quantum signal. <i>New Journal of Physics</i> , 2015 , 17, 063008	2.9	9
110	Channel purification via continuous-variable quantum teleportation with Gaussian postselection. <i>Physical Review A</i> , 2016 , 93,	2.6	9
109	Estimating spacetime parameters with a quantum probe in a lossy environment. <i>Physical Review D</i> , 2016 , 93,	4.9	9
108	Quantum communication in the presence of a horizon. <i>Physical Review D</i> , 2014 , 90,	4.9	9
107	Teleportation of continuous-variable polarization states. <i>Physical Review A</i> , 2003 , 68,	2.6	9
106	Squeezed light from conventionally pumped lasers with nonuniform spatial structure. <i>Physical Review A</i> , 1992 , 46, 2803-2810	2.6	9
105	A certification scheme for the boson sampler. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2016 , 33, 1835	1.7	9
104	Properties of hybrid entanglement between discrete- and continuous-variable states of light. <i>Physica Scripta</i> , 2015 , 90, 074045	2.6	8
103	Models of reduced-noise, probabilistic linear amplifiers. <i>Physical Review A</i> , 2016 , 93,	2.6	8
102	Quantum enhancement of signal-to-noise ratio with a heralded linear amplifier. <i>Optica</i> , 2017 , 4, 1421	8.6	8
101	Violations of Bell's inequality for Gaussian states with homodyne detection and nonlinear interactions. <i>Physical Review A</i> , 2009 , 79,	2.6	8

100	Spectral effects of strong (2) nonlinearity for quantum processing. <i>Physical Review A</i> , 2009 , 79,	2.6	8
99	Coherent-state linear optical quantum computing gates using simplified diagonal superposition resource states. <i>Physical Review A</i> , 2005 , 71,	2.6	8
98	Noiseless independent signal and power amplification. <i>Optics Letters</i> , 1998 , 23, 540-2	3	8
97	Active versus passive squeezing by second-harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1996 , 13, 1337	1.7	8
96	Generalized quantum scissors for noiseless linear amplification. <i>Physical Review A</i> , 2020 , 102,	2.6	8
95	Quantum-limited measurement of space-time curvature with scaling beyond the conventional Heisenberg limit. <i>Physical Review A</i> , 2017 , 96,	2.6	7
94	Optimal realistic attacks in continuous-variable quantum key distribution. <i>Physical Review A</i> , 2019 , 99,	2.6	7
93	Nearly deterministic Bell measurement with multiphoton entanglement for efficient quantum-information processing. <i>Physical Review A</i> , 2015 , 92,	2.6	7
92	Theoretical analysis of an ideal noiseless linear amplifier for EinsteinPodolskyRosen entanglement distillation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 215503	1.3	7
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