

# Timothy Cameron Ralph

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297  
papers

16,355  
citations

59  
h-index

122  
g-index

353  
ext. papers

19,233  
ext. citations

6.1  
avg. IF

6.74  
L-index

#	Paper	IF	Citations
297	Gravitational acceleration estimation with a nonlinear Mach-Zehnder interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2022</b> , 39, 421	1.7	0
296	Quantum channel correction outperforming direct transmission.. <i>Nature Communications</i> , <b>2022</b> , 13, 18327.4	7.4	1
295	Ideal Quantum Teleamplification up to a Selected Energy Cutoff Using Linear Optics.. <i>Physical Review Letters</i> , <b>2022</b> , 128, 160501	7.4	0
294	Composable finite-size effects in free-space continuous-variable quantum-key-distribution systems. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	7
293	Finite-size effects in continuous-variable quantum key distribution with Gaussian postselection. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	2
292	Teleportation-based collective attacks in Gaussian quantum key distribution. <i>Physical Review Research</i> , <b>2020</b> , 2,	3.9	4
291	Generating multi-partite entanglement from the quantum vacuum with a finite-lifetime mirror. <i>New Journal of Physics</i> , <b>2020</b> , 22, 083075	2.9	2
290	Quantum repeater for continuous-variable entanglement distribution. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	3
289	Generalized quantum scissors for noiseless linear amplification. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	8
288	Multipartite Gaussian entanglement of formation. <i>Physical Review A</i> , <b>2020</b> , 102,	2.6	1
287	Continuous-variable quantum teleportation with vacuum-entangled Rindler modes. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	4
286	Satellite testing of a gravitationally induced quantum decoherence model. <i>Science</i> , <b>2019</b> , 366, 132-135	33.3	14
285	Tight bounds for private communication over bosonic Gaussian channels based on teleportation simulation with optimal finite resources. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	6
284	Estimation of gravitational acceleration with quantum optical interferometers. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	3
283	Quantum metrology in the Kerr metric. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	4
282	Optimal realistic attacks in continuous-variable quantum key distribution. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	7
281	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> , <b>2019</b> , 99,	2.6	9

280	Quantum correlations and global coherence in distributed quantum computing. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	14
279	Universal transformation of displacement operators and its application to homodyne tomography in differing relativistic reference frames. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	2
278	Applications of Quantum Light <b>2019</b> , 377-424		
277	QND <b>2019</b> , 425-439		
276	Fundamental Tests of Quantum Mechanics <b>2019</b> , 441-471		
275	Quantum Information <b>2019</b> , 473-531		
274	Quantum Models of Light <b>2019</b> , 93-137		
273	Lasers and Amplifiers <b>2019</b> , 199-232		
272	Quantum Noise: Basic Measurements and Techniques <b>2019</b> , 269-301		0
271	Squeezed Light <b>2019</b> , 303-376		
270	Reversible time travel with freedom of choice. <i>Classical and Quantum Gravity</i> , <b>2019</b> , 36, 224002	3.3	6
269	Passive, Broadband, and Low-Frequency Suppression of Laser Amplitude Noise to the Shot-Noise Limit Using a Hollow-Core Fiber. <i>Physical Review Applied</i> , <b>2019</b> , 12,	4.3	3
268	Fundamental building block for all-optical scalable quantum networks. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	14
267	Decoherence of the Radiation from an Accelerated Quantum Source. <i>Physical Review X</i> , <b>2019</b> , 9,	9.1	6
266	Passive quantum error correction of linear optics networks through error averaging. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	6
265	Violation of Bell's Inequality Using Continuous Variable Measurements. <i>Physical Review Letters</i> , <b>2018</b> , 120, 040406	7.4	13
264	Quantum error correction of continuous-variable states with realistic resources. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	10
263	Large-scale silicon quantum photonics implementing arbitrary two-qubit processing. <i>Nature Photonics</i> , <b>2018</b> , 12, 534-539	33.9	239

262	Particle production and apparent decoherence due to an accelerated time delay. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	4
261	Simulation of Gaussian channels via teleportation and error correction of Gaussian states. <i>Physical Review A</i> , <b>2018</b> , 98,	2.6	10
260	Can the fluctuations of the quantum vacuum solve the cosmological constant problem?. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	13
259	Generation of a Cat State in an Optical Sideband. <i>Physical Review Letters</i> , <b>2018</b> , 121, 143602	7.4	10
258	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , <b>2018</b> , 20, 063016	2.9	20
257	Quantum repeaters using continuous-variable teleportation. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	37
256	Experimental test of photonic entanglement in accelerated reference frames. <i>Nature Communications</i> , <b>2017</b> , 8, 15304	17.4	17
255	Quantum circuit model for non-inertial objects: a uniformly accelerated mirror. <i>New Journal of Physics</i> , <b>2017</b> , 19, 063017	2.9	10
254	Ultrafine Entanglement Witnessing. <i>Physical Review Letters</i> , <b>2017</b> , 118, 110502	7.4	20
253	Quantum-limited measurement of space-time curvature with scaling beyond the conventional Heisenberg limit. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	7
252	Black hole squeezers. <i>Physical Review D</i> , <b>2017</b> , 96,	4.9	4
251	Quantum Correlations in Nonlocal Boson Sampling. <i>Physical Review Letters</i> , <b>2017</b> , 119, 120502	7.4	16
250	Quantum sampling problems, BosonSampling and quantum supremacy. <i>Npj Quantum Information</i> , <b>2017</b> , 3,	8.6	67
249	Exact boson sampling using Gaussian continuous-variable measurements. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	18
248	Measurement-Device-Independent Approach to Entanglement Measures. <i>Physical Review Letters</i> , <b>2017</b> , 118, 150505	7.4	13
247	Quantifying entanglement in two-mode Gaussian states. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	19
246	On the problem of non-zero word error rates for fixed-rate error correction codes in continuous variable quantum key distribution. <i>New Journal of Physics</i> , <b>2017</b> , 19, 023003	2.9	4
245	Quantum enhancement of signal-to-noise ratio with a heralded linear amplifier. <i>Optica</i> , <b>2017</b> , 4, 1421	8.6	8

244	Models of reduced-noise, probabilistic linear amplifiers. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	8
243	Spacetime diamonds. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	5
242	Channel purification via continuous-variable quantum teleportation with Gaussian postselection. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	9
241	Estimating spacetime parameters with a quantum probe in a lossy environment. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	9
240	Sufficient Conditions for Efficient Classical Simulation of Quantum Optics. <i>Physical Review X</i> , <b>2016</b> , 6,	9.1	64
239	Surpassing the no-cloning limit with a heralded hybrid linear amplifier for coherent states. <i>Nature Communications</i> , <b>2016</b> , 7, 13222	17.4	22
238	Experimental demonstration of Gaussian protocols for one-sided device-independent quantum key distribution. <i>Optica</i> , <b>2016</b> , 3, 634	8.6	74
237	Arbitrary multi-qubit generation. <i>New Journal of Physics</i> , <b>2016</b> , 18, 103020	2.9	5
236	A quantum Fredkin gate. <i>Science Advances</i> , <b>2016</b> , 2, e1501531	14.3	75
235	A certification scheme for the boson sampler. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2016</b> , 33, 1835	1.7	9
234	Properties of hybrid entanglement between discrete- and continuous-variable states of light. <i>Physica Scripta</i> , <b>2015</b> , 90, 074045	2.6	8
233	Photon sorting, efficient bell measurements, and a deterministic controlled-Z gate using a passive two-level nonlinearity. <i>Physical Review Letters</i> , <b>2015</b> , 114, 173603	7.4	30
232	Nearly deterministic bell measurement for multiphoton qubits and its application to quantum information processing. <i>Physical Review Letters</i> , <b>2015</b> , 114, 113603	7.4	21
231	Undoing the effect of loss on quantum entanglement. <i>Nature Photonics</i> , <b>2015</b> , 9, 764-768	33.9	53
230	Operational discord measure for Gaussian states with Gaussian measurements. <i>New Journal of Physics</i> , <b>2015</b> , 17, 063037	2.9	2
229	Quantum key distribution without sending a quantum signal. <i>New Journal of Physics</i> , <b>2015</b> , 17, 063008	2.9	9
228	Nearly deterministic Bell measurement with multiphoton entanglement for efficient quantum-information processing. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	7
227	Replicating the benefits of Deutschian closed timelike curves without breaking causality. <i>Npj Quantum Information</i> , <b>2015</b> , 1,	8.6	10

226	What can quantum optics say about computational complexity theory?. <i>Physical Review Letters</i> , <b>2015</b> , 114, 060501	7.4	43
225	Measurement-based noiseless linear amplification for quantum communication. <i>Nature Photonics</i> , <b>2014</b> , 8, 333-338	33.9	65
224	Entanglement-free certification of entangling gates. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	12
223	Experimental simulation of closed timelike curves. <i>Nature Communications</i> , <b>2014</b> , 5, 4145	17.4	29
222	Generation of hybrid entanglement of light. <i>Nature Photonics</i> , <b>2014</b> , 8, 564-569	33.9	120
221	Boson sampling from a Gaussian state. <i>Physical Review Letters</i> , <b>2014</b> , 113, 100502	7.4	145
220	Spacetime effects on satellite-based quantum communications. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	55
219	Quantum estimation of the Schwarzschild spacetime parameters of the Earth. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	34
218	Theoretical analysis of an ideal noiseless linear amplifier for EinsteinPodolskyBosen entanglement distillation. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 215503	1.3	7
217	Experimental verification of quantum discord in continuous-variable states. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2014</b> , 47, 025503	1.3	13
216	Experimental hybrid entanglement between quantum and classical states of light. <i>International Journal of Quantum Information</i> , <b>2014</b> , 12, 1560015	0.8	4
215	Entanglement decoherence in a gravitational well according to the event formalism. <i>New Journal of Physics</i> , <b>2014</b> , 16, 085008	2.9	15
214	Experimental verification of quantum discord in continuous-variable states and operational significance of discord consumption <b>2014</b> ,		1
213	Detecting the degree of macroscopic quantumness using an overlap measurement. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2014</b> , 31, 3057	1.7	11
212	Optimal architecture for a nondeterministic noiseless linear amplifier. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	26
211	Quantum communication in the presence of a horizon. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	9
210	Configurable unitary transformations and linear logic gates using quantum memories. <i>Physical Review Letters</i> , <b>2014</b> , 113, 063601	7.4	23
209	High-fidelity teleportation of continuous-variable quantum states using delocalized single photons. <i>Physical Review Letters</i> , <b>2013</b> , 111, 050504	7.4	38

208	Generation of distributed entangled coherent states over a lossy environment with inefficient detectors. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	6
207	Implementation of a quantum Fredkin gate using an entanglement resource <b>2013</b> ,		1
206	Measurement-based method for verifying quantum discord. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	22
205	Photonic boson sampling in a tunable circuit. <i>Science</i> , <b>2013</b> , 339, 794-8	33.3	417
204	Heralded noiseless amplification of a photon polarization qubit. <i>Nature Physics</i> , <b>2013</b> , 9, 23-28	16.2	90
203	Open timelike curves violate Heisenberg's uncertainty principle. <i>Physical Review Letters</i> , <b>2013</b> , 110, 060501		16
202	Quantum communication with an accelerated partner. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	26
201	Security of continuous-variable quantum cryptography with Gaussian postselection. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	49
200	Quantum-state cloning in the presence of a closed timelike curve. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	19
199	Direct characterization of linear-optical networks. <i>Optics Express</i> , <b>2013</b> , 21, 13450-8	3.3	59
198	Nondeterministic noiseless amplification via non-symplectic phase space transformations. <i>New Journal of Physics</i> , <b>2013</b> , 15, 073014	2.9	19
197	Calculating unknown eigenvalues with a quantum algorithm. <i>Nature Photonics</i> , <b>2013</b> , 7, 223-228	33.9	34
196	Reconstruction of photon number conditioned states using phase randomized homodyne measurements. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2013</b> , 46, 104009	1.3	4
195	Relativistic quantum information. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 220301	3.3	21
194	Continuous-variable quantum key distribution using thermal states. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	79
193	Extraction of timelike entanglement from the quantum vacuum. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	42
192	Entanglement dynamics and quasi-periodicity in discrete quantum walks. <i>Journal of Modern Optics</i> , <b>2012</b> , 59, 710-720	1.1	15
191	Observing the operational significance of discord consumption. <i>Nature Physics</i> , <b>2012</b> , 8, 671-675	16.2	180

190	Quantum-enhanced optical-phase tracking. <i>Science</i> , <b>2012</b> , 337, 1514-7	33.3	148
189	Error tolerance of the boson-sampling model for linear optics quantum computing. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	56
188	Relativistic quantum information and time machines. <i>Contemporary Physics</i> , <b>2012</b> , 53, 1-16	3.3	21
187	Gaussian quantum information. <i>Reviews of Modern Physics</i> , <b>2012</b> , 84, 621-669	40.5	1734
186	General relativistic effects in quantum interference of photons. <i>Classical and Quantum Gravity</i> , <b>2012</b> , 29, 224010	3.3	52
185	Entanglement between the future and the past in the quantum vacuum. <i>Physical Review Letters</i> , <b>2011</b> , 106, 110404	7.4	70
184	Space-time qubits. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	3
183	Quantum fields on closed timelike curves. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	4
182	Engineered optical nonlinearity for quantum light sources. <i>Optics Express</i> , <b>2011</b> , 19, 55-65	3.3	84
181	Adding control to arbitrary unknown quantum operations. <i>Nature Communications</i> , <b>2011</b> , 2, 413	17.4	77
180	Coherent state topological cluster state production. <i>New Journal of Physics</i> , <b>2011</b> , 13, 115015	2.9	14
179	Time-resolved detection and mode mismatch in a linear optics quantum gate. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053036	2.9	1
178	Entangling moving cavities in noninertial frames. <i>Physical Review Letters</i> , <b>2011</b> , 106, 210502	7.4	44
177	Reply to Comment on Information flow of quantum states interacting with closed timelike curves <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	1
176	Photon-number discrimination without a photon counter and its application to reconstructing non-Gaussian states. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	5
175	Quantum error correction of continuous-variable states against Gaussian noise. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	60
174	Time Ordering in Spontaneous Parametric Down-conversion <b>2011</b> ,		5
173	Heralded noiseless linear amplification and distillation of entanglement. <i>Nature Photonics</i> , <b>2010</b> , 4, 316-319		214



172	Adaptive optical phase estimation <b>2010</b> ,		1
171	Linear optical quantum computation with imperfect entangled photon-pair sources and inefficient non-photon-number-resolving detectors. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	10
170	High-fidelity operation of quantum photonic circuits. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 211109	3.4	60
169	Arbitrarily large continuous-variable cluster states from a single quantum nondemolition gate. <i>Physical Review Letters</i> , <b>2010</b> , 104, 250503	7.4	49
168	Optimized generation of heralded Fock states using parametric down-conversion. <i>New Journal of Physics</i> , <b>2010</b> , 12, 063001	2.9	60
167	Optical Quantum Computation. <i>Progress in Optics</i> , <b>2010</b> , 209-269	3.4	42
166	Adaptive optical phase estimation using time-symmetric quantum smoothing. <i>Physical Review Letters</i> , <b>2010</b> , 104, 093601	7.4	65
165	Quantum cryptography approaching the classical limit. <i>Physical Review Letters</i> , <b>2010</b> , 105, 110501	7.4	101
164	Multiplexed communication over a high-speed quantum channel. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	13
163	Coherent State Quantum Key Distribution with Continuous-Wave Laser Beams <b>2010</b> ,		1
162	Fault tolerance in parity-state linear optical quantum computing. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	19
161	Fair-sampling assumption is not necessary for testing local realism. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	19
160	Information flow of quantum states interacting with closed timelike curves. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	27
159	Quantum connectivity of space-time and gravitationally induced decorrelation of entanglement. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	49
158	Quantum computing with continuous-variable clusters. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	194
157	Violations of Bell's inequality for Gaussian states with homodyne detection and nonlinear interactions. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	8
156	Distinguishability of Gaussian states in quantum cryptography using postselection. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	2
155	Nondeterministic Noiseless Linear Amplification of Quantum Systems <b>2009</b> ,		72

154	Editorial Introduction to the Special Issue on Quantum Communications and Information Science. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2009</b> , 15, 1545-1546	3.8	1
153	Tomography of quantum detectors. <i>Nature Physics</i> , <b>2009</b> , 5, 27-30	16.2	197
152	Simplifying quantum logic using higher-dimensional Hilbert spaces. <i>Nature Physics</i> , <b>2009</b> , 5, 134-140	16.2	428
151	Failure of local realism revealed by extremely-coarse-grained measurements. <i>Physical Review Letters</i> , <b>2009</b> , 102, 060403	7.4	45
150	Continuous-variable entanglement distillation over a general lossy channel. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	26
149	Spectral effects of strong $\mathbb{Z}$ nonlinearity for quantum processing. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	8
148	Quantum cloning of continuous-variable entangled states. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	14
147	Proposal for optical parity state re-encoder. <i>Journal of Modern Optics</i> , <b>2008</b> , 55, 2415-2428	1.1	1
146	Entangled non-Gaussian states formed by mixing Gaussian states. <i>Journal of Modern Optics</i> , <b>2008</b> , 55, 2083-2094	1.1	3
145	Methods for a linear optical quantum Fredkin gate. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	40
144	Loss-tolerant operations in parity-code linear optics quantum computing. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	3
143	Single-photon side bands. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	10
142	Teleportation using squeezed single photons. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	6
141	Fault-tolerant linear optical quantum computing with small-amplitude coherent States. <i>Physical Review Letters</i> , <b>2008</b> , 100, 030503	7.4	172
140	Efficient Toffoli gates using qudits. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	158
139	Experimental demonstration of post-selection-based continuous-variable quantum key distribution in the presence of Gaussian noise. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	29
138	Linear optical quantum computing with photonic qubits. <i>Reviews of Modern Physics</i> , <b>2007</b> , 79, 135-174	40.5	1596
137	Photon number projection using non-number-resolving detectors. <i>New Journal of Physics</i> , <b>2007</b> , 9, 233-233		12

136	Optical zeno gate: bounds for fault tolerant operation. <i>New Journal of Physics</i> , <b>2007</b> , 9, 224-224	2.9	11
135	Error tolerance and tradeoffs in loss- and failure-tolerant quantum computing schemes. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	12
134	Violation of Bell's inequality using classical measurements and nonlinear local operations. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	56
133	Quantum superpositions and entanglement of thermal states at high temperatures and their applications to quantum-information processing. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	22
132	Quantum noise limits to simultaneous quadrature amplitude and phase stabilization of solid-state lasers. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	2
131	Measuring photon antibunching from continuous variable sideband squeezing. <i>Physical Review Letters</i> , <b>2007</b> , 98, 153603	7.4	47
130	Unitary solution to a quantum gravity information paradox. <i>Physical Review A</i> , <b>2007</b> , 76,	2.6	13
129	Efficient parity-encoded optical quantum computing. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	19
128	Quantum and classical fidelities for Gaussian states. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2007</b> , 24, 355	1.7	7
127	Observation of a comb of optical squeezing over many gigahertz of bandwidth. <i>Optics Express</i> , <b>2007</b> , 15, 5310-7	3.3	14
126	PHYSICS. Better computing with photons. <i>Science</i> , <b>2007</b> , 318, 1251-2	33.3	3
125	Schrödinger Cat States for Quantum Information Processing <b>2007</b> , 159-179		6
124	Quantum optical systems for the implementation of quantum information processing. <i>Reports on Progress in Physics</i> , <b>2006</b> , 69, 853-898	14.4	36
123	Practical limitations in optical entanglement purification. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	6
122	Error models for mode mismatch in linear optics quantum computing. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	14
121	Generation of a frequency comb of squeezing in an optical parametric oscillator. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	11
120	Quantum-state engineering with continuous-variable postselection. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	28
119	Improving the fidelity of optical Zeno gates via distillation. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	14

118	Quantum memory scheme based on optical fibers and cavities. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	13
117	Homodyne measurement of the average photon number. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	14
116	Coherent-state quantum key distribution without random basis switching. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	33
115	Quantum nondemolition measurements for quantum information. <i>Physical Review A</i> , <b>2006</b> , 73,	2.6	71
114	Transfer of nonclassical properties from a microscopic superposition to macroscopic thermal states in the high temperature limit. <i>Physical Review Letters</i> , <b>2006</b> , 97, 100401	7.4	40
113	Conditional quantum-state engineering using ancillary squeezed-vacuum states. <i>Physical Review A</i> , <b>2006</b> , 74,	2.6	20
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