Ian A Walmsley

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.

67 15,411 113 332 h-index g-index citations papers 18,359 6.57 455 5.7 L-index ext. citations avg, IF ext. papers

#	Paper	IF	Citations
332	Measuring the Joint Spectral Mode of Photon Pairs Using Intensity Interferometry <i>Physical Review Letters</i> , 2022 , 128, 023601	7.4	1
331	The boundary for quantum advantage in Gaussian boson sampling Science Advances, 2022, 8, eabl9236	5 14.3	6
330	Reducing g(0) of a parametric down-conversion source via photon-number resolution with superconducting nanowire detectors <i>Optics Express</i> , 2022 , 30, 3138-3147	3.3	1
329	Preparing narrow velocity distributions for quantum memories in room-temperature alkali-metal vapors. <i>Physical Review A</i> , 2021 , 103,	2.6	2
328	Single-shot discrimination of coherent states beyond the standard quantum limit. <i>Optics Letters</i> , 2021 , 46, 2565-2568	3	1
327	Room temperature atomic frequency comb storage for light. <i>Optics Letters</i> , 2021 , 46, 2960-2963	3	1
326	Heralding quantum entanglement between two room-temperature atomic ensembles. <i>Optica</i> , 2021 , 8, 925	8.6	3
325	Gigahertz-bandwidth optical memory in Pr:YSiO. Optics Letters, 2021, 46, 2948-2951	3	3
324	Further compactifying linear optical unitaries. APL Photonics, 2021, 6, 070804	5.2	1
323	Certified Quantum Random Numbers from Untrusted Light. <i>Physical Review X</i> , 2020 , 10,	9.1	10
322	Classical evolution in quantum systems. <i>Physica Scripta</i> , 2020 , 95, 065101	2.6	O
321	A hybrid quantum memory-enabled network at room temperature. Science Advances, 2020, 6, eaax1425	5 14.3	10
320	Temporal modes in quantum optics: then and now. <i>Physica Scripta</i> , 2020 , 95, 064002	2.6	26
319	Spectrally pure single photons at telecommunications wavelengths using commercial birefringent optical fiber. <i>Optics Express</i> , 2020 , 28, 5147-5163	3.3	5
318	Drive-noise tolerant optical switching inspired by composite pulses. <i>Optics Express</i> , 2020 , 28, 8646-8657	7 3.3	O
317	Diagnosing phase correlations in the joint spectrum of parametric downconversion using multi-photon emission. <i>Optics Express</i> , 2020 , 28, 34246-34254	3.3	1
316	Understanding High-Gain Twin-Beam Sources Using Cascaded Stimulated Emission. <i>Physical Review X</i> , 2020 , 10,	9.1	11

315	Detector-Agnostic Phase-Space Distributions. <i>Physical Review Letters</i> , 2020 , 124, 013605	7.4	6
314	Quantum-enhanced interferometry with large heralded photon-number states. <i>Npj Quantum Information</i> , 2020 , 6,	8.6	11
313	Quantum-enhanced stimulated emission detection for label-free microscopy. <i>Applied Physics Letters</i> , 2020 , 117, 024002	3.4	15
312	Multiparticle Interference of Pairwise Distinguishable Photons. <i>Physical Review Letters</i> , 2020 , 125, 1236	5 0,3 4	4
311	Tuning between photon-number and quadrature measurements with weak-field homodyne detection. <i>Physical Review A</i> , 2020 , 101,	2.6	9
310	Raman quantum memory with built-in suppression of four-wave-mixing noise. <i>Physical Review A</i> , 2019 , 100,	2.6	5
309	Benchmarking of Gaussian boson sampling using two-point correlators. <i>Physical Review A</i> , 2019 , 99,	2.6	11
308	Coherent Control and Wave Mixing in an Ensemble of Silicon-Vacancy Centers in Diamond. <i>Physical Review Letters</i> , 2019 , 122, 063601	7.4	15
307	Quantum interference enables constant-time quantum information processing. <i>Science Advances</i> , 2019 , 5, eaau9674	14.3	9
306	8B reconfigurable quantum photonic processor based on silicon nitride waveguides. <i>Optics Express</i> , 2019 , 27, 26842-26857	3.3	36
305	Testing multi-photon interference on a silicon chip. <i>Optics Express</i> , 2019 , 27, 35646-35658	3.3	8
304	Observation of Brillouin optomechanical strong coupling with an 11 GHz mechanical mode. <i>Optica</i> , 2019 , 6, 7	8.6	21
303	Mapping and measuring large-scale photonic correlation with single-photon imaging. <i>Optica</i> , 2019 , 6, 244	8.6	6
302	Quasi-phase-matched high-harmonic generation in gas-filled hollow-core photonic crystal fiber. <i>Optica</i> , 2019 , 6, 442	8.6	9
301	UK national quantum technology programme. Quantum Science and Technology, 2019, 4, 040502	5.5	18
300	Optimal Coherent Filtering for Single Noisy Photons. <i>Physical Review Letters</i> , 2019 , 123, 213604	7.4	7
299	Engineering the spectral and temporal properties of a GHz-bandwidth heralded single-photon source interfaced with an on-demand, broadband quantum memory. <i>Journal of Modern Optics</i> , 2018 , 65, 1668-1679	1.1	
298	High-speed noise-free optical quantum memory. <i>Physical Review A</i> , 2018 , 97,	2.6	47

297	On-chip III-V monolithic integration of heralded single photon sources and beamsplitters. <i>Applied Physics Letters</i> , 2018 , 112, 071105	3.4	12
296	The quantum technologies roadmap: a European community view. New Journal of Physics, 2018, 20, 08	302051	188
295	Tensor network states in time-bin quantum optics. <i>Physical Review A</i> , 2018 , 97,	2.6	12
294	Quasiprobability representation of quantum coherence. <i>Physical Review A</i> , 2018 , 97,	2.6	19
293	8B Programmable Quantum Photonic Processor based on Silicon Nitride Waveguides 2018,		12
292	Engineering a Noiseless and Broadband Raman Quantum Memory for Temporal Mode Manipulation 2018 ,		1
291	Approximating vibronic spectroscopy with imperfect quantum optics. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 245503	1.3	26
290	Two-Way Photonic Interface for Linking the Sr+ Transition at 422 nm to the Telecommunication C Band. <i>Physical Review Applied</i> , 2018 , 10,	4.3	7
289	Quasistates and quasiprobabilities. <i>Physical Review A</i> , 2018 , 98,	2.6	4
288	Modular linear optical circuits. <i>Optica</i> , 2018 , 5, 1087	8.6	31
287	High-birefringence direct UV-written waveguides for use as heralded single-photon sources at telecommunication wavelengths. <i>Optics Express</i> , 2018 , 26, 24678-24686	3.3	2
286	Space QUEST mission proposal: experimentally testing decoherence due to gravity. <i>New Journal of Physics</i> , 2018 , 20, 063016	2.9	20
285	Efficient Classical Algorithm for Boson Sampling with Partially Distinguishable Photons. <i>Physical Review Letters</i> , 2018 , 120, 220502	7.4	37
284	Quantum correlations in composite systems. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017 , 50, 134003	1.3	11
283	Optimal Measurements for Simultaneous Quantum Estimation of Multiple Phases. <i>Physical Review Letters</i> , 2017 , 119, 130504	7.4	82
282	Separable and Inseparable Quantum Trajectories. <i>Physical Review Letters</i> , 2017 , 119, 170401	7.4	4
281	Quantum coherences of indistinguishable particles. <i>Physical Review A</i> , 2017 , 96,	2.6	9

(2016-2017)

279	Quantum interference beyond the fringe. Science, 2017, 358, 1001-1002	33.3	8
278	Gaussian optical Ising machines. <i>Physical Review A</i> , 2017 , 96,	2.6	12
277	Detector-Independent Verification of Quantum Light. <i>Physical Review Letters</i> , 2017 , 118, 163602	7.4	19
276	Identification of nonclassical properties of light with multiplexing layouts. <i>Physical Review A</i> , 2017 , 96,	2.6	7
275	Entanglement in macroscopic systems. <i>Physical Review A</i> , 2017 , 95,	2.6	12
274	Distinguishability and Many-Particle Interference. <i>Physical Review Letters</i> , 2017 , 118, 153603	7.4	68
273	High efficiency Raman memory by suppressing radiation trapping. New Journal of Physics, 2017, 19, 063	3023 4	8
272	Classical multiparty computation using quantum resources. <i>Physical Review A</i> , 2017 , 96,	2.6	7
271	Using an imperfect photonic network to implement random unitaries. <i>Optics Express</i> , 2017 , 25, 28236	3.3	34
270	Chip-based array of near-identical, pure, heralded single-photon sources. <i>Optica</i> , 2017 , 4, 90	8.6	58
269	Temporal-mode selection with a Raman quantum memory 2017 ,		1
268	A noise-free quantum memory for broadband light at room temperature 2017 ,		3
267	Quantum Correlations from the Conditional Statistics of Incomplete Data. <i>Physical Review Letters</i> , 2016 , 117, 083601	7.4	14
266	In situ characterization of an optically thick atom-filled cavity. <i>Physical Review A</i> , 2016 , 93,	2.6	5
265	Cavity-Enhanced Room-Temperature Broadband Raman Memory. <i>Physical Review Letters</i> , 2016 , 116, 090501	7.4	56
264	Enhanced delegated computing using coherence. <i>Physical Review A</i> , 2016 , 93,	2.6	8
263	Quantum enhanced estimation of optical detector efficiencies. <i>Quantum Measurements and Quantum Metrology</i> , 2016 , 3,	1	1
262	Two-photon quantum walk in a multimode fiber. <i>Science Advances</i> , 2016 , 2, e1501054	14.3	70

261	Free-space spectro-temporal and spatio-temporal conversion for pulsed light. <i>Optics Letters</i> , 2016 , 41, 4328-31	3	5
260	Attosecond sampling of arbitrary optical waveforms. <i>Optica</i> , 2016 , 3, 303	8.6	26
259	Large scale quantum walks by means of optical fiber cavities. <i>Journal of Optics (United Kingdom)</i> , 2016 , 18, 094007	1.7	20
258	Nonclassicality Criteria in Multiport Interferometry. <i>Physical Review Letters</i> , 2016 , 117, 213602	7.4	15
257	Precision metrology using weak measurements. <i>Physical Review Letters</i> , 2015 , 114, 210801	7.4	92
256	Directly comparing entanglement-enhancing non-Gaussian operations. <i>New Journal of Physics</i> , 2015 , 17, 023038	2.9	31
255	Interfacing GHz-bandwidth heralded single photons with a warm vapour Raman memory. <i>New Journal of Physics</i> , 2015 , 17, 043006	2.9	47
254	Quantum optics: science and technology in a new light. <i>Science</i> , 2015 , 348, 525-30	33.3	74
253	Broadband noise-free optical quantum memory with neutral nitrogen-vacancy centers in diamond. <i>Physical Review B</i> , 2015 , 91,	3.3	15
252	Tomography of photon-number resolving continuous-output detectors. <i>New Journal of Physics</i> , 2015 , 17, 103044	2.9	35
251	Ultrahigh and persistent optical depths of cesium in KagomEype hollow-core photonic crystal fibers. <i>Optics Letters</i> , 2015 , 40, 5582-5	3	18
250	Broadband single-photon-level memory in a hollow-core photonic crystal fibre. <i>Nature Photonics</i> , 2014 , 8, 287-291	33.9	110
249	Joint estimation of phase and phase diffusion for quantum metrology. <i>Nature Communications</i> , 2014 , 5, 3532	17.4	111
248	Quantum teleportation on a photonic chip. <i>Nature Photonics</i> , 2014 , 8, 770-774	33.9	106
247	Continuous-variable quantum computing in optical time-frequency modes using quantum memories. <i>Physical Review Letters</i> , 2014 , 113, 130502	7.4	42
246	Precision metrology with weak measurements 2014 ,		1
245	Nonclassical light manipulation in a multiple-scattering medium. <i>Optics Letters</i> , 2014 , 39, 6090-3	3	15
244	Simultaneous spatial characterization of two independent sources of high harmonic radiation. <i>Optics Letters</i> , 2014 , 39, 6142-5	3	7

243	Strain-optic active control for quantum integrated photonics. Optics Express, 2014, 22, 21719-26	3.3	15
242	Observing optical coherence across Fock layers with weak-field homodyne detectors. <i>Nature Communications</i> , 2014 , 5, 5584	17.4	26
241	Tradeoff in simultaneous quantum-limited phase and loss estimation in interferometry. <i>Physical Review A</i> , 2014 , 89,	2.6	82
240	Heralded single photon storage in a room-temperature, broadband quantum memory 2014 ,		1
239	Linear optical quantum computing in a single spatial mode. <i>Physical Review Letters</i> , 2013 , 111, 150501	7.4	86
238	Efficient optical pumping and high optical depth in a hollow-core photonic-crystal fibre for a broadband quantum memory. <i>New Journal of Physics</i> , 2013 , 15, 055013	2.9	25
237	Boson sampling on a photonic chip. <i>Science</i> , 2013 , 339, 798-801	33.3	526
236	Strategies for enhancing quantum entanglement by local photon subtraction. <i>Physical Review A</i> , 2013 , 87,	2.6	45
235	Direct observation of sub-binomial light. <i>Physical Review Letters</i> , 2013 , 110, 173602	7.4	45
234	Measuring Ultrashort Optical Pulses 2013 , 1-21		
233	Sequential Path Entanglement for Quantum Metrology. Scientific Reports, 2013, 3,	4.9	12
232	Multiphoton quantum interference in a multiport integrated photonic device. <i>Nature Communications</i> , 2013 , 4, 1356	17.4	106
231	On-chip low loss heralded source of pure single photons. <i>Optics Express</i> , 2013 , 21, 13522-32	3.3	86
230	Quantum detector tomography of a time-multiplexed superconducting nanowire single-photon detector at telecom wavelengths. <i>Optics Express</i> , 2013 , 21, 893-902	3.3	46
229	Large-alphabet time-frequency entangled quantum key distribution by means of time-to-frequency conversion. <i>Optics Express</i> , 2013 , 21, 15959-73	3.3	98
228	High quantum-efficiency photon-number-resolving detector for photonic on-chip information processing. <i>Optics Express</i> , 2013 , 21, 22657-70	3.3	87
227	Mutual interferometric characterization of a pair of independent electric fields. <i>Optics Letters</i> , 2013 , 38, 5299-302	3	7
226	Hybrid Detectors. Experimental Methods in the Physical Sciences, 2013 , 45, 217-255	0.4	

225	Quantum Detector Tomography. Experimental Methods in the Physical Sciences, 2013, 45, 283-313	0.4	
224	Requirements for two-source entanglement concentration. <i>Quantum Measurements and Quantum Metrology</i> , 2013 , 1, 5-11	1	2
223	Enhancing multiphoton rates with quantum memories. <i>Physical Review Letters</i> , 2013 , 110, 133601	7.4	76
222	Quantum enhanced multiple phase estimation. <i>Physical Review Letters</i> , 2013 , 111, 070403	7.4	189
221	Towards scalable photonics via quantum storage 2013 ,		1
220	Entang-bling: Observing quantum correlations in room-temperature solids. <i>Journal of Physics:</i> Conference Series, 2013 , 442, 012004	0.3	1
219	Heralded generation of single photons in pure quantum states. <i>Journal of Modern Optics</i> , 2012 , 59, 152	5 <u>1</u> 1 <u>5</u> 37	7
218	Compact continuous-variable entanglement distillation. <i>Physical Review Letters</i> , 2012 , 108, 060502	7.4	44
217	Macroscopic non-classical states and terahertz quantum processing in room-temperature diamond. <i>Nature Photonics</i> , 2012 , 6, 41-44	33.9	82
216	High-fidelity polarization storage in a gigahertz bandwidth quantum memory. <i>Journal of Physics B:</i> Atomic, Molecular and Optical Physics, 2012 , 45, 124008	1.3	30
215	Mapping coherence in measurement via full quantum tomography of a hybrid optical detector. <i>Nature Photonics</i> , 2012 , 6, 364-368	33.9	59
214	Multipulse addressing of a Raman quantum memory: configurable beam splitting and efficient readout. <i>Physical Review Letters</i> , 2012 , 108, 263602	7.4	55
213	Continuous phase stabilization and active interferometer control using two modes. <i>Journal of Modern Optics</i> , 2012 , 59, 42-45	1.1	7
212	Recursive quantum detector tomography. New Journal of Physics, 2012, 14, 115005	2.9	24
211	Characterization of the femtosecond speckle field of a multiply scattering medium via spatio-spectral interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2012 , 29, 114	16 ^{1.7}	4
210	Multiphoton state engineering by heralded interference between single photons and coherent states. <i>Physical Review A</i> , 2012 , 86,	2.6	53
209	Invited review article: technology for attosecond science. <i>Review of Scientific Instruments</i> , 2012 , 83, 071	1:07	52
208	High-performance single-photon generation with commercial-grade optical fiber. <i>Physical Review A</i> , 2011 , 83,	2.6	60

207	Space li me coupling of shaped ultrafast ultraviolet pulses from an acousto-optic programmable dispersive filter. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011 , 28, 58	1.7	11
206	Quantum random bit generation using stimulated Raman scattering. <i>Optics Express</i> , 2011 , 19, 25173-80	3.3	30
205	Accuracy measurements and improvement for complete characterization of optical pulses from nonlinear processes via multiple spectral-shearing interferometry. <i>Optics Express</i> , 2011 , 19, 25355-66	3.3	10
204	Lateral shearing interferometry of high-harmonic wavefronts. <i>Optics Letters</i> , 2011 , 36, 1746-8	3	29
203	Femtosecond to attosecond light pulses from a molecular modulator. <i>Nature Photonics</i> , 2011 , 5, 664-67	' 133.9	54
202	Spatio-temporal focusing of an ultrafast pulse through a multiply scattering medium. <i>Nature Communications</i> , 2011 , 2, 447	17.4	135
201	Entangling macroscopic diamonds at room temperature. <i>Science</i> , 2011 , 334, 1253-6	33.3	230
2 00	Real-world quantum sensors: evaluating resources for precision measurement. <i>Physical Review Letters</i> , 2011 , 107, 113603	7.4	76
199	From molecular control to quantum technology with the dynamic Stark effect. <i>Faraday Discussions</i> , 2011 , 153, 321-42; discussion 395-413	3.6	9
198	Quantum metrology with imperfect states and detectors. <i>Physical Review A</i> , 2011 , 83,	2.6	75
197	Integrated photonic sensing. New Journal of Physics, 2011, 13, 055024	2.9	17
196	On-chip, photon-number-resolving, telecommunication-band detectors for scalable photonic information processing. <i>Physical Review A</i> , 2011 , 84,	2.6	61
195	Single-photon-level quantum memory at room temperature. <i>Physical Review Letters</i> , 2011 , 107, 053603	7.4	147
194	Towards high-speed optical quantum memories. <i>Nature Photonics</i> , 2010 , 4, 218-221	33.9	222
193	Experimental quantum-enhanced estimation of a lossy phase shift. <i>Nature Photonics</i> , 2010 , 4, 357-360	33.9	170
192	Quantum memory in an optical lattice. <i>Physical Review A</i> , 2010 , 82,	2.6	9
192 191	Quantum memory in an optical lattice. <i>Physical Review A</i> , 2010 , 82, Amplification of impulsively excited molecular rotational coherence. <i>Physical Review Letters</i> , 2010 , 104, 193902	2.6 7.4	9

189	Entanglement quantification from incomplete measurements: applications using photon-number-resolving weak homodyne detectors. <i>New Journal of Physics</i> , 2010 , 12, 033042	2.9	13
188	Resolution of the relative phase ambiguity in spectral shearing interferometry of ultrashort pulses. <i>Optics Letters</i> , 2010 , 35, 1971-3	3	19
187	Optimal experiment design for quantum state tomography: Fair, precise, and minimal tomography. <i>Physical Review A</i> , 2010 , 81,	2.6	28
186	Quantum memories. European Physical Journal D, 2010 , 58, 1-22	1.3	323
185	Measuring sub-Planck structural analogues in chronocyclic phase space. <i>Optics Communications</i> , 2010 , 283, 855-859	2	4
184	Pump-probe study of the formation of rubidium molecules by ultrafast photoassociation of ultracold atoms. <i>Physical Review A</i> , 2009 , 80,	2.6	23
183	Tailored photon-pair generation in optical fibers. <i>Physical Review Letters</i> , 2009 , 102, 123603	7.4	119
182	Bridging particle and wave sensitivity in a configurable detector of positive operator-valued measures. <i>Physical Review Letters</i> , 2009 , 102, 080404	7.4	23
181	Demonstrating coherent control in R85b2 using ultrafast laser pulses: A theoretical outline of two experiments. <i>Physical Review A</i> , 2009 , 80,	2.6	8
180	Optimal quantum phase estimation. <i>Physical Review Letters</i> , 2009 , 102, 040403	7.4	307
179	Theoretical and experimental analysis of quantum path interferences in high-order harmonic generation. <i>Physical Review A</i> , 2009 , 80,	2.6	36
178	A characterization of the single-photon sensitivity of an electron multiplying charge-coupled device. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009 , 42, 114011	1.3	28
177	Analysis of space-time coupling in SEA-SPIDER measurements 2009,		1
176	Focusing on factorability: spacelime coupling in the generation of pure heralded single photons. <i>Journal of Modern Optics</i> , 2009 , 56, 179-189	1.1	1
175	Measuring measurement: theory and practice. New Journal of Physics, 2009, 11, 093038	2.9	54
174	Simplified quantum process tomography. New Journal of Physics, 2009, 11, 115010	2.9	26
173	A proposed testbed for detector tomography. <i>Journal of Modern Optics</i> , 2009 , 56, 432-441	1.1	25
172	Tomography of quantum detectors. <i>Nature Physics</i> , 2009 , 5, 27-30	16.2	197

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171	Improved ancilla preparation in spectral shearing interferometry for accurate ultrafast pulse characterization. <i>Optics Letters</i> , 2009 , 34, 881-3	3	29
170	High precision self-referenced phase retrieval of complex pulses with multiple-shearing spectral interferometry. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 1818	1.7	26
169	Absolute efficiency estimation of photon-number-resolving detectors using twin beams. <i>Optics Express</i> , 2009 , 17, 4397-411	3.3	33
168	Phase-controlled integrated photonic quantum circuits. <i>Optics Express</i> , 2009 , 17, 13516-25	3.3	86
167	Ultrashort pulse characterization by spectral shearing interferometry with spatially chirped ancillae. <i>Optics Express</i> , 2009 , 17, 18983-94	3.3	13
166	Photon pair generation in birefringent optical fibers. <i>Optics Express</i> , 2009 , 17, 23589-602	3.3	95
165	Broadband astigmatism-free Czerny-Turner imaging spectrometer using spherical mirrors. <i>Applied Optics</i> , 2009 , 48, 3846-53	0.2	59
164	Characterization of ultrashort electromagnetic pulses. Advances in Optics and Photonics, 2009, 1, 308	16.7	275
163	Quantum phase estimation with lossy interferometers. Physical Review A, 2009, 80,	2.6	182
162	A pump-probe study of the photoassociation of cold rubidium molecules. <i>Faraday Discussions</i> , 2009 , 142, 403-13; discussion 429-61	3.6	4
162 161		3.6	1
	142, 403-13; discussion 429-61	3.6 0.3	
161	142, 403-13; discussion 429-61 Joint Photon Statistics of Photon-Subtracted Squeezed Light 2009 , Study of quantum-path interferences in the high harmonic generation process. <i>Springer Series in</i>		
161 160	Joint Photon Statistics of Photon-Subtracted Squeezed Light 2009 , Study of quantum-path interferences in the high harmonic generation process. <i>Springer Series in Chemical Physics</i> , 2009 , 27-29 Heralded generation of ultrafast single photons in pure quantum States. <i>Physical Review Letters</i> ,	0.3	1
161 160 159	Joint Photon Statistics of Photon-Subtracted Squeezed Light 2009, Study of quantum-path interferences in the high harmonic generation process. Springer Series in Chemical Physics, 2009, 27-29 Heralded generation of ultrafast single photons in pure quantum States. Physical Review Letters, 2008, 100, 133601	0.3	1 387
161 160 159 158	Joint Photon Statistics of Photon-Subtracted Squeezed Light 2009, Study of quantum-path interferences in the high harmonic generation process. Springer Series in Chemical Physics, 2009, 27-29 Heralded generation of ultrafast single photons in pure quantum States. Physical Review Letters, 2008, 100, 133601 Multimode memories in atomic ensembles. Physical Review Letters, 2008, 101, 260502 Conditional preparation of single photons using parametric downconversion: a recipe for purity.	0.3 7.4 7.4	1 387 108
161 160 159 158	Joint Photon Statistics of Photon-Subtracted Squeezed Light 2009, Study of quantum-path interferences in the high harmonic generation process. Springer Series in Chemical Physics, 2009, 27-29 Heralded generation of ultrafast single photons in pure quantum States. Physical Review Letters, 2008, 100, 133601 Multimode memories in atomic ensembles. Physical Review Letters, 2008, 101, 260502 Conditional preparation of single photons using parametric downconversion: a recipe for purity. New Journal of Physics, 2008, 10, 093011 Secure quantum key distribution using continuous variables of single photons. Physical Review	0.3 7.4 7.4 2.9	1 387 108 88

153	Measurement of Ultrashort Electromagnetic Pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008 , 25, MU1	1.7	1
152	Efficient spatially resolved multimode quantum memory. <i>Physical Review A</i> , 2008 , 78,	2.6	42
151	Coherent control of decoherence. <i>Science</i> , 2008 , 320, 638-43	33.3	87
150	Optimal experiment design for quantum state tomography of a molecular vibrational mode. <i>Journal of Physics B: Atomic, Molecular and Optical Physics,</i> 2008 , 41, 074004	1.3	7
149	Photon number statistics of multimode parametric down-conversion. <i>Physical Review Letters</i> , 2008 , 101, 053601	7.4	57
148	SPIDER: A decade of measuring ultrashort pulses. <i>Laser Physics Letters</i> , 2008 , 5, 259-266	1.5	35
147	Fabrication of Ultrathin Single-Crystal Diamond Membranes. <i>Advanced Materials</i> , 2008 , 20, 4793-4798	24	112
146	Measuring phonon dephasing with ultrafast pulses using Raman spectral interference. <i>Physical Review B</i> , 2008 , 78,	3.3	26
145	Looking to the future of quantum optics. <i>Science</i> , 2008 , 319, 1211-3	33.3	18
144	Fully automated, phase corrected Long Crystal SPIDER for the characterization of broadband pulses 2008 ,		1
144		1.1	13
	pulses 2008, Generation of highly entangled photon pairs for continuous variable Bell inequality violation.	1.1	
143	pulses 2008, Generation of highly entangled photon pairs for continuous variable Bell inequality violation. Journal of Modern Optics, 2007, 54, 707-719 Blind dispersion compensation for optical coherence tomography. Optics Communications, 2007,		13
143	Generation of highly entangled photon pairs for continuous variable Bell inequality violation. Journal of Modern Optics, 2007, 54, 707-719 Blind dispersion compensation for optical coherence tomography. Optics Communications, 2007, 269, 152-155 Maximum confidence measurements and their optical implementation. European Physical Journal D	2	13
143 142 141	Generation of highly entangled photon pairs for continuous variable Bell inequality violation. Journal of Modern Optics, 2007, 54, 707-719 Blind dispersion compensation for optical coherence tomography. Optics Communications, 2007, 269, 152-155 Maximum confidence measurements and their optical implementation. European Physical Journal D, 2007, 41, 589-598 Optimal control of quantum gates and suppression of decoherence in a system of interacting	1.3	13 32 9
143 142 141 140	Generation of highly entangled photon pairs for continuous variable Bell inequality violation. Journal of Modern Optics, 2007, 54, 707-719 Blind dispersion compensation for optical coherence tomography. Optics Communications, 2007, 269, 152-155 Maximum confidence measurements and their optical implementation. European Physical Journal D, 2007, 41, 589-598 Optimal control of quantum gates and suppression of decoherence in a system of interacting two-level particles. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, S103-S125 Fidelity of optimally controlled quantum gates with randomly coupled multiparticle environments.	1.3	13 32 9 84
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