

# Jonathan P Dowling

## List of Publications by Year in descending order

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216  
papers

14,441  
citations

38742

50  
h-index

19749

117  
g-index

219  
all docs

219  
docs citations

219  
times ranked

7904  
citing authors

#	ARTICLE	IF	CITATIONS
1	Linear optical quantum computing with photonic qubits. Reviews of Modern Physics, 2007, 79, 135-174.	45.6	2,076
2	Quantum Interferometric Optical Lithography: Exploiting Entanglement to Beat the Diffraction Limit. Physical Review Letters, 2000, 85, 2733-2736.	7.8	1,308
3	Quantum optical metrology—The lowdown on high-NOON states. Contemporary Physics, 2008, 49, 125-143.	1.8	655
4	The photonic band edge laser: A new approach to gain enhancement. Journal of Applied Physics, 1994, 75, 1896-1899.	2.5	609
5	Quantum technology: the second quantum revolution. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2003, 361, 1655-1674.	3.4	594
6	Optical Limiting and Switching of Ultrashort Pulses in Nonlinear Photonic Band Gap Materials. Physical Review Letters, 1994, 73, 1368-1371.	7.8	556
7	Analytic expressions for the electromagnetic mode density in finite, one-dimensional, photonic band-gap structures. Physical Review E, 1996, 53, 4107-4121.	2.1	486
8	A quantum Rosetta stone for interferometry. Journal of Modern Optics, 2002, 49, 2325-2338.	1.3	393
9	Quantum Metrology with Two-Mode Squeezed Vacuum: Parity Detection Beats the Heisenberg Limit. Physical Review Letters, 2010, 104, 103602.	7.8	334
10	Thin-film nonlinear optical diode. Applied Physics Letters, 1995, 66, 2324-2326.	3.3	270
11	Correlated input-port, matter-wave interferometer: Quantum-noise limits to the atom-laser gyroscope. Physical Review A, 1998, 57, 4736-4746.	2.5	269
12	Quantum Clock Synchronization Based on Shared Prior Entanglement. Physical Review Letters, 2000, 85, 2010-2013.	7.8	263
13	The photonic band edge optical diode. Journal of Applied Physics, 1994, 76, 2023-2026.	2.5	254
14	Creation of large-photon-number path entanglement conditioned on photodetection. Physical Review A, 2002, 65, .	2.5	240
15	Wigner distribution of a general angular-momentum state: Applications to a collection of two-level atoms. Physical Review A, 1994, 49, 4101-4109.	2.5	205
16	Entangled Fock states for robust quantum optical metrology, imaging, and sensing. Physical Review A, 2008, 78, .	2.5	204
17	Photonic Band Calculations for Woodpile Structures. Journal of Modern Optics, 1994, 41, 231-239.	1.3	195
18	Near-dipole-dipole effects in dense media: Generalized Maxwell-Bloch equations. Physical Review A, 1993, 47, 1247-1251.	2.5	178

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19	Modification of Planck blackbody radiation by photonic band-gap structures. Physical Review A, 1999, 59, 4736-4746.	2.5	161
20	Single-photon quantum-nondemolition detectors constructed with linear optics and projective measurements. Physical Review A, 2002, 66, .	2.5	156
21	Atomic emission rates in inhomogeneous media with applications to photonic band structures. Physical Review A, 1992, 46, 612-622.	2.5	151
22	Anomalous Index of Refraction in Photonic Bandgap Materials. Journal of Modern Optics, 1994, 41, 345-351.	1.3	150
23	Vortex Phase Qubit: Generating Arbitrary, Counterrotating, Coherent Superpositions in Bose-Einstein Condensates via Optical Angular Momentum Beams. Physical Review Letters, 2005, 95, 173601.	7.8	141
24	Evanescent Light-Wave Atom Mirrors, Resonators, Waveguides, and Traps. Advances in Atomic, Molecular and Optical Physics, 1996, , 1-94.	2.3	134
25	Measurement of spontaneous-emission enhancement near the one-dimensional photonic band edge of semiconductor heterostructures. Physical Review A, 1996, 53, 2799-2803.	2.5	128
26	Coherent-light-boosted, sub-shot noise, quantum interferometry. New Journal of Physics, 2010, 12, 083014.	2.9	127
27	Linear optics and projective measurements alone suffice to create large-photon-number path entanglement. Physical Review A, 2002, 65, .	2.5	110
28	Quantum Optical Technologies for Metrology, Sensing, and Imaging. Journal of Lightwave Technology, 2015, 33, 2359-2370.	4.6	106
29	Quantum-interferometric optical lithography: Towards arbitrary two-dimensional patterns. Physical Review A, 2001, 63, .	2.5	104
30	Near dipole-dipole effects in lasing without inversion: An enhancement of gain and absorptionless index of refraction. Physical Review Letters, 1993, 70, 1421-1424.	7.8	102
31	Linear Optical Quantum Metrology with Single Photons: Exploiting Spontaneously Generated Entanglement to Beat the Shot-Noise Limit. Physical Review Letters, 2015, 114, 170802.	7.8	98
32	Scalable Boson Sampling with Time-Bin Encoding Using a Loop-Based Architecture. Physical Review Letters, 2014, 113, 120501.	7.8	94
33	Improving solar cell efficiency using photonic band-gap materials. Solar Energy Materials and Solar Cells, 2007, 91, 1599-1610.	6.2	92
34	Efficient Generation of Large Number-Path Entanglement Using Only Linear Optics and Feed-Forward. Physical Review Letters, 2007, 99, 163604.	7.8	81
35	Parity detection achieves the Heisenberg limit in interferometry with coherent mixed with squeezed vacuum light. New Journal of Physics, 2011, 13, 083026.	2.9	77
36	Quantum-noise limits to matter-wave interferometry. Physical Review A, 1993, 48, 3186-3190.	2.5	76

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37	Local and Global Distinguishability in Quantum Interferometry. Physical Review Letters, 2007, 99, 070801.	7.8	76
38	Optimization of quantum interferometric metrological sensors in the presence of photon loss. Physical Review A, 2009, 80, .	2.5	74
39	Phase estimation at the quantum Cram�r-Rao bound via parity detection. Physical Review A, 2013, 87, .	2.5	72
40	Phase sensitivity at the Heisenberg limit in an SU(1,1) interferometer via parity detection. Physical Review A, 2016, 94, .	2.5	70
41	Quantum lithography, entanglement and Heisenberg-limited parameter estimation. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S811-S815.	1.4	68
42	Sonic band structure in fluids with periodic density variations. Journal of the Acoustical Society of America, 1992, 91, 2539-2543.	1.1	67
43	Parity detection in quantum optical metrology without number-resolving detectors. New Journal of Physics, 2010, 12, 113025.	2.9	67
44	Quantum-enhanced magnetometer with low-frequency squeezing. Physical Review A, 2012, 86, .	2.5	63
45	Factoring integers with Young'sN-slit interferometer. Physical Review A, 1996, 53, 4587-4590.	2.5	61
46	Radiation pattern of a classical dipole in a cavity. Optics Communications, 1991, 82, 415-419.	2.1	59
47	Piezophotonic Switching Due to Local Field Effects in a Coherently Prepared Medium of Three-Level Atoms. Physical Review Letters, 1994, 73, 1789-1792.	7.8	58
48	Super-resolution at the shot-noise limit with coherent states and photon-number-resolving detectors. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A170.	2.1	58
49	Multiphoton Interference in Quantum Fourier Transform Circuits and Applications to Quantum Metrology. Physical Review Letters, 2017, 119, 080502.	7.8	57
50	Practical figures of merit and thresholds for entanglement distribution in quantum networks. Physical Review Research, 2019, 1, .	3.6	56
51	Strong violations of Bell-type inequalities for path-entangled number states. Physical Review A, 2007, 76, .	2.5	52
52	Fundamental precision limit of a Mach-Zehnder interferometric sensor when one of the inputs is the vacuum. Physical Review A, 2017, 96, .	2.5	52
53	Experimental Gaussian Boson sampling. Science Bulletin, 2019, 64, 511-515.	9.0	51
54	Spontaneous emission and nonlinear effects in photonic bandgap materials. Journal of Optics, 1998, 7, 393-407.	0.5	50

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55	Construction of a quantum repeater with linear optics. Physical Review A, 2003, 68, .	2.5	47
56	Super-resolving quantum radar: Coherent-state sources with homodyne detection suffice to beat the diffraction limit. Journal of Applied Physics, 2013, 114, 193102.	2.5	47
57	Thermal radiation in photonic crystals. Physical Review B, 2007, 75, .	3.2	46
58	All Linear Optical Quantum Memory Based on Quantum Error Correction. Physical Review Letters, 2003, 91, 217901.	7.8	43
59	Spontaneous emission in cavities: How much more classical can you get?. Foundations of Physics, 1993, 23, 895-905.	1.3	42
60	Bootstrapping Approach for Generating Maximally Path-Entangled Photon States. Physical Review Letters, 2007, 99, 053602.	7.8	42
61	Arbitrary coherent superpositions of quantized vortices in Bose-Einstein condensates via orbital angular momentum of light. Physical Review A, 2008, 77, .	2.5	42
62	Remote quantum clock synchronization without synchronized clocks. Npj Quantum Information, 2018, 4, .	6.7	41
63	Maximal success probabilities of linear-optical quantum gates. Physical Review A, 2009, 79, .	2.5	40
64	Robust quantum network architectures and topologies for entanglement distribution. Physical Review A, 2018, 97, .	2.5	40
65	Lorentz-invariant look at quantum clock-synchronization protocols based on distributed entanglement. Physical Review A, 2002, 65, .	2.5	39
66	Resolution and sensitivity of a Fabry-Perot interferometer with a photon-number-resolving detector. Physical Review A, 2009, 80, .	2.5	39
67	Entanglement-enhanced optical gyroscope. New Journal of Physics, 2019, 21, 053010.	2.9	39
68	Sampling arbitrary photon-added or photon-subtracted squeezed states is in the same complexity class as boson sampling. Physical Review A, 2015, 91, .	2.5	38
69	Nearly optimal measurement schemes in a noisy Mach-Zehnder interferometer with coherent and squeezed vacuum. EPJ Quantum Technology, 2017, 4, .	6.3	37
70	Towards photostatistics from photon-number discriminating detectors. Journal of Modern Optics, 2004, 51, 1517-1528.	1.3	36
71	Adaptive phase estimation with two-mode squeezed vacuum and parity measurement. Physical Review A, 2017, 95, .	2.5	36
72	Spooky action at a global distance: analysis of space-based entanglement distribution for the quantum internet. Npj Quantum Information, 2021, 7, .	6.7	34

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73	General linear-optical quantum state generation scheme: Applications to maximally path-entangled states. Physical Review A, 2007, 76, .	2.5	32
74	Strategies for choosing path-entangled number states for optimal robust quantum-optical metrology in the presence of loss. Physical Review A, 2012, 86, .	2.5	32
75	Boson sampling with displaced single-photon Fock states versus single-photon-added coherent states: The quantum-classical divide and computational-complexity transitions in linear optics. Physical Review A, 2015, 91, .	2.5	32
76	Gaussian-beam-propagation theory for nonlinear optics involving an analytical treatment of orbital-angular-momentum transfer. Physical Review A, 2017, 96, .	2.5	32
77	Thresholded Quantum LIDAR: Exploiting Photon-Number-Resolving Detection. Physical Review Letters, 2019, 123, 203601.	7.8	32
78	Self-field quantum electrodynamics: The two-level atom. Physical Review A, 1990, 41, 2284-2294.	2.5	31
79	Conditional linear-optical measurement schemes generate effective photon nonlinearities. Physical Review A, 2003, 68, .	2.5	31
80	Experimental sub-Rayleigh resolution by an unseeded high-gain optical parametric amplifier for quantum lithography. Physical Review A, 2008, 77, .	2.5	31
81	Spontaneous parametric down-conversion photon sources are scalable in the asymptotic limit for boson sampling. Physical Review A, 2013, 88, .	2.5	31
82	Non-Gaussian entangled states and quantum teleportation of Schrödinger-cat states. Physica Scripta, 2015, 90, 074029.	2.5	31
83	Entanglement-seeded, dual, optical parametric amplification: Applications to quantum imaging and metrology. Physical Review A, 2008, 78, .	2.5	30
84	Sagnac interferometry with coherent vortex superposition states in exciton-polariton condensates. Physical Review A, 2016, 93, .	2.5	30
85	Emulating Quantum Teleportation of a Majorana Zero Mode Qubit. Physical Review Letters, 2021, 126, 090502.	7.8	30
86	Exponential decrease in phase uncertainty. Physical Review A, 1991, 44, 3365-3368.	2.5	29
87	Quantum lithography: status of the field. Quantum Information Processing, 2012, 11, 891-901.	2.2	29
88	Optimized aperiodic highly directional narrowband infrared emitters. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 1316.	2.1	28
89	Linear optical quantum metrology with single photons: Experimental errors, resource counting, and quantum Cram�r-Rao bounds. Physical Review A, 2017, 96, .	2.5	28
90	Multiparameter estimation with single photons�linearly-optically generated quantum entanglement beats the shotnoise limit. Journal of Optics (United Kingdom), 2017, 19, 124002.	2.2	28

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91	Pulse propagation near highly reflective surfaces: Applications to photonic band-gap structures and the question of superluminal tunneling times. <i>Physical Review A</i> , 1995, 52, 726-734.	2.5	27
92	Conclusive precision bounds for SU(1,1) interferometers. <i>Physical Review A</i> , 2019, 99, .	2.5	27
93	Effects of phase fluctuations on phase sensitivity and visibility of path-entangled photon Fock states. <i>Physical Review A</i> , 2013, 88, .	2.5	25
94	Optimized aperiodic multilayer structures for use as narrow-angular absorbers. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	25
95	Ultra-stable matterâ€“wave gyroscopy with counter-rotating vortex superpositions in Boseâ€“Einstein condensates. <i>Journal of Modern Optics</i> , 2012, 59, 1180-1185.	1.3	22
96	Evidence for the conjecture that sampling generalized cat states with linear optics is hard. <i>Physical Review A</i> , 2015, 91, .	2.5	22
97	Efficient recycling strategies for preparing large Fock states from single-photon sources: Applications to quantum metrology. <i>Physical Review A</i> , 2016, 94, .	2.5	22
98	Generating entangled photons from the vacuum by accelerated measurements: Quantum-information theory and the Unruh-Davies effect. <i>Physical Review A</i> , 2008, 78, .	2.5	21
99	Absolute calibration of single-photon and multiplexed photon-number-resolving detectors. <i>Physical Review A</i> , 2018, 98, .	2.5	20
100	Sub-shot-noise-limited phase estimation via SU(1,1) interferometer with thermal states. <i>Optics Express</i> , 2018, 26, 18492.	3.4	20
101	Optical angular momentum manipulations in a four-wave mixing process. <i>Optics Letters</i> , 2019, 44, 739.	3.3	20
102	An Introduction to Boson-Sampling. , 2015, , 167-192.		19
103	Quantum electrodynamics based on self-fields, without second quantization: A nonrelativistic calculation of g-2. <i>Physical Review A</i> , 1988, 38, 4405-4412.	2.5	18
104	Quantum states of light produced by a high-gain optical parametric amplifier for use in quantum lithography. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2007, 24, 270.	2.1	18
105	Implementing BosonSampling with time-bin encoding: Analysis of loss, mode mismatch, and time jitter. <i>Physical Review A</i> , 2015, 92, .	2.5	18
106	Phase estimation in an SU(1,1) interferometer with displaced squeezed states. <i>OSA Continuum</i> , 2018, 1, 438.	1.8	18
107	Demonstration of topologically path-independent anyonic braiding in a nine-qubit planar code. <i>Optica</i> , 2019, 6, 264.	9.3	18
108	Beat radiation from dipoles near a photonic band edge. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993, 10, 353.	2.1	17

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109	Inefficiency of classically simulating linear optical quantum computing with Fock-state inputs. Physical Review A, 2014, 89, .	2.5	17
110	Quantum-enhanced spectroscopy with entangled multiphoton states. Physical Review A, 2016, 93, .	2.5	16
111	Optimized mid-infrared thermal emitters for applications in aircraft countermeasures. AIP Advances, 2017, 7, .	1.3	16
112	Quantum teleportation of photonic qudits using linear optics. Physical Review A, 2019, 100, .	2.5	16
113	Quantum electrodynamics based on self-fields: On the origin of thermal radiation detected by an accelerating observer. Physical Review A, 1990, 41, 2277-2283.	2.5	15
114	High-fidelity linear optical quantum computing with polarization encoding. Physical Review A, 2006, 73, .	2.5	15
115	Spatial multimode structure of atom-generated squeezed light. Physical Review A, 2016, 93, .	2.5	15
116	QED Based on Self-Fields: A Relativistic Calculation of $g-2$ . Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 1989, 44, 1051-1056.	1.5	14
117	A quantum state of ultra-low phase noise. Optics Communications, 1991, 86, 119-122.	2.1	14
118	Dipole radiators in a cavity: A radio frequency analog for the modification of atomic spontaneous emission rates between mirrors. American Journal of Physics, 1993, 61, 545-550.	0.7	14
119	Band structure for neutral magnetic dipoles in a periodic magnetic field: A simple spin polarizer. Physical Review Letters, 1992, 68, 3571-3574.	7.8	13
120	Quantum information transmission. Quantum Information Processing, 2013, 12, 899-906.	2.2	13
121	Quantum random walks with multiphoton interference and high-order correlation functions. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 1538.	2.1	12
122	Optimized aperiodic broadband visible absorbers. Journal of Optics (United Kingdom), 2017, 19, 105003.	2.2	12
123	Towards classification of experimental Laguerre-Gaussian modes using convolutional neural networks. Optical Engineering, 2020, 59, 1.	1.0	12
124	Quantum electrodynamics based on self-fields, without second quantization: Apparatus dependent contributions to $g-2$ . Physical Review A, 1989, 39, 2796-2805.	2.5	11
125	Dynamical decoupling in optical fibers: Preserving polarization qubits from birefringent dephasing. Physical Review A, 2012, 85, .	2.5	11
126	Schrödinger modal structure of cubical, pyramidal, and conical, evanescent light-wave gravitational atom traps. Physical Review A, 1995, 52, 3997-4003.	2.5	10



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127	To compute or not to compute?. Nature, 2006, 439, 919-920.	27.8	10
128	Phase-controlled entanglement in a quantum-beat laser: application to quantum lithography. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 225504.	1.5	10
129	Orbital-angular-momentum-enhanced estimation of sub-Heisenberg-limited angular displacement with two-mode squeezed vacuum and parity detection. Optics Express, 2018, 26, 16524.	3.4	10
130	Error suppression in adiabatic quantum computing with qubit ensembles. Npj Quantum Information, 2021, 7, .	6.7	10
131	Quantum lithography: A non-computing application of quantum information. Computer Science - Research and Development, 2006, 21, 73-82.	0.9	9
132	Why a hole is like a beam splitter: A general diffraction theory for multimode quantum states of light. Physical Review A, 2017, 96, .	2.5	9
133	Efficient Simulation of Loop Quantum Gravity: A Scalable Linear-Optical Approach. Physical Review Letters, 2021, 126, 020501.	7.8	9
134	Suitability versus fidelity for rating single-photon guns. Physical Review A, 2003, 67, .	2.5	8
135	Exploiting the Quantum Zeno effect to beat photon loss in linear optical quantum information processors. Optics Communications, 2005, 254, 374-379.	2.1	8
136	Multipass configuration for improved squeezed vacuum generation in hot Rb vapor. Physical Review A, 2017, 96, .	2.5	8
137	Finding broken gates in quantum circuits: exploiting hybrid machine learning. Quantum Information Processing, 2020, 19, 1.	2.2	8
138	Quantum-Limited Squeezed Light Detection with a Camera. Physical Review Letters, 2020, 125, 113602.	7.8	8
139	Two-photon processes in faint biphoton fields. Journal of Modern Optics, 2002, 49, 2349-2364.	1.3	7
140	From linear optical quantum computing to Heisenberg-limited interferometry. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S796-S800.	1.4	7
141	Optimizing the multiphoton absorption properties of maximally path-entangled number states. Physical Review A, 2009, 80, .	2.5	7
142	Optimal digital dynamical decoupling for general decoherence via Walsh modulation. Quantum Information Processing, 2017, 16, 1.	2.2	7
143	Deterministic generation of hybrid high- $N$ NOON states with Rydberg atoms trapped in microwave cavities. Physical Review A, 2020, 101, .	2.5	7
144	POPPER'S THOUGHT EXPERIMENT REINVESTIGATED. International Journal of Quantum Information, 2012, 10, 1250033.	1.1	6

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145	Preserving photon qubits in an unknown quantum state with Knill dynamical decoupling: Towards an all optical quantum memory. Physical Review A, 2015, 91, .	2.5	6
146	Direct characterization of linear and quadratically nonlinear optical systems. Physical Review A, 2018, 98, .	2.5	6
147	Quantum interferometric sensors. , 2007, , .		5
148	An optical parametric oscillator as a high-flux source of two-mode light for quantum lithography. New Journal of Physics, 2009, 11, 113055.	2.9	5
149	An invisible quantum tripwire. New Journal of Physics, 2010, 12, 083012.	2.9	5
150	Quantum Hall effect with small numbers of vortices in Bose-Einstein condensates. Physical Review A, 2015, 92, .	2.5	5
151	Quantized nonlinear Gaussian-beam dynamics: Tailoring multimode squeezed-light generation. Physical Review A, 2018, 98, .	2.5	5
152	Optimized Multilayer Structures With Ultrabroadband Near-Perfect Absorption. IEEE Photonics Journal, 2020, 12, 1-10.	2.0	5
153	Photonic quantum data locking. Quantum - the Open Journal for Quantum Science, 0, 5, 447.	0.0	5
154	Optomechanical entanglement at room temperature: A simulation study with realistic conditions. Physical Review A, 2020, 102, .	2.5	5
155	The on-ramp to the all-optical quantum information processing highway. Science, 2015, 349, 696-696.	12.6	4
156	Quantum gates for Majoranas zero modes in topological superconductors in one-dimensional geometry. Physical Review B, 2021, 103, .	3.2	4
157	Towards photostatistics from photon-number discriminating detectors. Journal of Modern Optics, 2004, 51, 1517-1528.	1.3	4
158	Nonlinear tuning of 3D photonic band-gap structures for single-photon on demand sources. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 484-487.	2.7	3
159	Room-temperature photon-number-resolved detection using a two-mode squeezer. Physical Review A, 2017, 96, .	2.5	3
160	Relativistic corrections to photonic entangled states for the space-based quantum network. Physical Review A, 2020, 101, .	2.5	3
161	Relativity of quantum states in entanglement swapping. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126301.	2.1	3
162	The specular reflection of light off light. American Journal of Physics, 1992, 60, 28-34.	0.7	2

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163	Heisenberg-limited measurements with superconducting circuits. Physical Review A, 2006, 73, .	2.5	2
164	Kittens catch phase. Nature, 2007, 450, 362-363.	27.8	2
165	Dynamical decoupling with tailored wave plates for long-distance communication using polarization qubits. Physical Review A, 2013, 88, .	2.5	2
166	Super-resolving single-photon number-path-entangled state and its generation. Physical Review A, 2014, 89, .	2.5	2
167	Reducing the number of ancilla qubits and the gate count required for creating large controlled operations. Quantum Information Processing, 2015, 14, 891-899.	2.2	2
168	Quantum phase representation of Heisenberg limits and a minimally resourced quantum phase estimator. Physical Review A, 2016, 93, .	2.5	2
169	Limits to atom-vapor-based room-temperature photon-number-resolving detection. Physical Review A, 2018, 98, .	2.5	2
170	Enhanced phase estimation with coherently boosted two-mode squeezed beams and its application to optical gyroscopes. Physical Review A, 2020, 102, .	2.5	2
171	Entanglement-based quantum clock synchronization. AIP Conference Proceedings, 2020, , .	0.4	2
172	A Bootstrapping Approach for Generating Maximally Path-Entangled Photon States. , 2007, , .		2
173	Coulomb scattering near mirrors: Quantum corrections to the Rutherford formula. Physical Review A, 1992, 45, 3121-3125.	2.5	1
174	ALTERNATE SCHEME FOR OPTICAL CLUSTER-STATE GENERATION WITHOUT NUMBER-RESOLVING PHOTON DETECTORS. International Journal of Quantum Information, 2007, 05, 617-626.	1.1	1
175	Quantum Sensors, Computing, Metrology, and Imaging. , 2011, , .		1
176	Single and biphoton imaging and high dimensional quantum communication. Quantum Information Processing, 2012, 11, 925-948.	2.2	1
177	On the uncertainty of the ordering of nonlocal wavefunction collapse when relativity is considered. Quantum Studies: Mathematics and Foundations, 2014, 1, 57-64.	0.9	1
178	On the connection between quantum nonlocality and phase sensitivity of two-mode entangled Fock state superpositions. Quantum Information Processing, 2016, 15, 1025-1042.	2.2	1
179	Modeling the atomtronic analog of an optical polarizing beam splitter, a half-wave plate, and a quarter-wave plate for phonons of the motional state of two trapped atoms. Physical Review A, 2017, 96, .	2.5	1
180	Enhanced Hanbury Brown and Twiss interferometry using parametric amplification. EPJ Quantum Technology, 2020, 7, .	6.3	1

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181	Quantum Lithography. , 2002, , 391-397.		0
182	Three-Dimensional Photonic Band-Gap Structures For Single-Photon on Demand Sources. , 2006, , .		0
183	Engineering Quantum States of Light on Demand via Projective Measurements. , 2007, , JTuB3.		0
184	Novel Matter-wave Gyroscope via Vortex Superposition in BEC. , 2009, , .		0
185	Quantum Mie scattering and metrology with a Fabry-Perot interferometer and quantum states of light. , 2009, , .		0
186	Two-Mode Squeezed Vacuum: Phase Estimation and Parity Detection. , 2011, , .		0
187	Enhancing the efficiency of photovoltaic solar cells with photonic nanostructures. , 2012, , .		0
188	Super-resolving single-photon number-path-entangled state and its generation. , 2014, , .		0
189	Optimized aperiodic highly directional narrowband infrared emitters. Proceedings of SPIE, 2014, , .	0.8	0
190	Near Total Resonant Light Absorption in a Graphene Monolayer at Multiple Tunable Wavelengths with Aperiodic Multilayer Structures. , 2015, , .		0
191	Sagnac effect in vortex superposition states of Bose-Einstein condensates. , 2007, , .		0
192	Linear Optical Quantum Information Processing, Imaging, and Sensing. , 2007, , .		0
193	Sagnac effect in superposition of vortex states in Bose-Einstein condensates. , 2007, , .		0
194	Linear Optical Quantum Information Processing, Imaging, and Sensing. , 2007, , .		0
195	A General Linear-Optical Quantum State Generator. , 2007, , .		0
196	A Study of the Absorption Properties of Maximally Path Entangled Number States. , 2008, , .		0
197	A Toolkit for Analyzing Quantum Imaging Systems. , 2008, , .		0
198	Parity Detection for Heisenberg-limited Metrology with Coherent and Squeezed Vacuum Light. , 2011, , .		0

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199	Bayesian Analysis of Parity Based Detection Scheme. , 2011, , .		0
200	Coherently generated of vortex superpositions in Bose-Einstein Condensates and their applications. , 2013, , .		0
201	Path-Symmetric States and Parity Detection in Quantum Optical Interferometry. , 2013, , .		0
202	Classical Computers Can Not Efficiently Simulate Multimode Linear Optical Interferometers with Arbitrary Fock-State Inputs. , 2013, , .		0
203	Super-Resolving Quantum Radar: Coherent-State Sources with Homodyne Detection Suffice to Beat the Diffraction Limit. , 2013, , .		0
204	Effects of Phase Fluctuations on the Sensitivity of NOON State in a Noisy Environment. , 2013, , .		0
205	Classical Computers Can Not Efficiently Simulate Multimode Linear Optical Interferometers with Arbitrary Fock-State Inputs. , 2013, , .		0
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