

# Jonathan P Dowling

## List of Publications by Year in descending order

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216  
papers

14,441  
citations

38660

50  
h-index

19690

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. <i>Reviews of Modern Physics</i> , 2007, 79, 135-174.	16.4	2,076
2	Quantum Interferometric Optical Lithography: Exploiting Entanglement to Beat the Diffraction Limit. <i>Physical Review Letters</i> , 2000, 85, 2733-2736.	2.9	1,308
3	Quantum optical metrology—The lowdown on high-NOON states. <i>Contemporary Physics</i> , 2008, 49, 125-143.	0.8	655
4	The photonic band edge laser: A new approach to gain enhancement. <i>Journal of Applied Physics</i> , 1994, 75, 1896-1899.	1.1	609
5	Quantum technology: the second quantum revolution. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003, 361, 1655-1674.	1.6	594
6	Optical Limiting and Switching of Ultrashort Pulses in Nonlinear Photonic Band Gap Materials. <i>Physical Review Letters</i> , 1994, 73, 1368-1371.	2.9	556
7	Analytic expressions for the electromagnetic mode density in finite, one-dimensional, photonic band-gap structures. <i>Physical Review E</i> , 1996, 53, 4107-4121.	0.8	486
8	A quantum Rosetta stone for interferometry. <i>Journal of Modern Optics</i> , 2002, 49, 2325-2338.	0.6	393
9	Quantum Metrology with Two-Mode Squeezed Vacuum: Parity Detection Beats the Heisenberg Limit. <i>Physical Review Letters</i> , 2010, 104, 103602.	2.9	334
10	Thin-film nonlinear optical diode. <i>Applied Physics Letters</i> , 1995, 66, 2324-2326.	1.5	270
11	Correlated input-port, matter-wave interferometer: Quantum-noise limits to the atom-laser gyroscope. <i>Physical Review A</i> , 1998, 57, 4736-4746.	1.0	269
12	Quantum Clock Synchronization Based on Shared Prior Entanglement. <i>Physical Review Letters</i> , 2000, 85, 2010-2013.	2.9	263
13	The photonic band edge optical diode. <i>Journal of Applied Physics</i> , 1994, 76, 2023-2026.	1.1	254
14	Creation of large-photon-number path entanglement conditioned on photodetection. <i>Physical Review A</i> , 2002, 65, .	1.0	240
15	Wigner distribution of a general angular-momentum state: Applications to a collection of two-level atoms. <i>Physical Review A</i> , 1994, 49, 4101-4109.	1.0	205
16	Entangled Fock states for robust quantum optical metrology, imaging, and sensing. <i>Physical Review A</i> , 2008, 78, .	1.0	204
17	Photonic Band Calculations for Woodpile Structures. <i>Journal of Modern Optics</i> , 1994, 41, 231-239.	0.6	195
18	Near-dipole-dipole effects in dense media: Generalized Maxwell-Bloch equations. <i>Physical Review A</i> , 1993, 47, 1247-1251.	1.0	178

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19	Modification of Planck blackbody radiation by photonic band-gap structures. <i>Physical Review A</i> , 1999, 59, 4736-4746.	1.0	161
20	Single-photon quantum-nondemolition detectors constructed with linear optics and projective measurements. <i>Physical Review A</i> , 2002, 66, .	1.0	156
21	Atomic emission rates in inhomogeneous media with applications to photonic band structures. <i>Physical Review A</i> , 1992, 46, 612-622.	1.0	151
22	Anomalous Index of Refraction in Photonic Bandgap Materials. <i>Journal of Modern Optics</i> , 1994, 41, 345-351.	0.6	150
23	Vortex Phase Qubit: Generating Arbitrary, Counterrotating, Coherent Superpositions in Bose-Einstein Condensates via Optical Angular Momentum Beams. <i>Physical Review Letters</i> , 2005, 95, 173601.	2.9	141
24	Evanescent Light-Wave Atom Mirrors, Resonators, Waveguides, and Traps. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1996, , 1-94.	2.3	134
25	Measurement of spontaneous-emission enhancement near the one-dimensional photonic band edge of semiconductor heterostructures. <i>Physical Review A</i> , 1996, 53, 2799-2803.	1.0	128
26	Coherent-light-boosted, sub-shot noise, quantum interferometry. <i>New Journal of Physics</i> , 2010, 12, 083014.	1.2	127
27	Linear optics and projective measurements alone suffice to create large-photon-number path entanglement. <i>Physical Review A</i> , 2002, 65, .	1.0	110
28	Quantum Optical Technologies for Metrology, Sensing, and Imaging. <i>Journal of Lightwave Technology</i> , 2015, 33, 2359-2370.	2.7	106
29	Quantum-interferometric optical lithography: Towards arbitrary two-dimensional patterns. <i>Physical Review A</i> , 2001, 63, .	1.0	104
30	Near dipole-dipole effects in lasing without inversion: An enhancement of gain and absorptionless index of refraction. <i>Physical Review Letters</i> , 1993, 70, 1421-1424.	2.9	102
31	Linear Optical Quantum Metrology with Single Photons: Exploiting Spontaneously Generated Entanglement to Beat the Shot-Noise Limit. <i>Physical Review Letters</i> , 2015, 114, 170802.	2.9	98
32	Scalable Boson Sampling with Time-Bin Encoding Using a Loop-Based Architecture. <i>Physical Review Letters</i> , 2014, 113, 120501.	2.9	94
33	Improving solar cell efficiency using photonic band-gap materials. <i>Solar Energy Materials and Solar Cells</i> , 2007, 91, 1599-1610.	3.0	92
34	Efficient Generation of Large Number-Path Entanglement Using Only Linear Optics and Feed-Forward. <i>Physical Review Letters</i> , 2007, 99, 163604.	2.9	81
35	Parity detection achieves the Heisenberg limit in interferometry with coherent mixed with squeezed vacuum light. <i>New Journal of Physics</i> , 2011, 13, 083026.	1.2	77
36	Quantum-noise limits to matter-wave interferometry. <i>Physical Review A</i> , 1993, 48, 3186-3190.	1.0	76

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37	Local and Global Distinguishability in Quantum Interferometry. <i>Physical Review Letters</i> , 2007, 99, 070801.	2.9	76
38	Optimization of quantum interferometric metrological sensors in the presence of photon loss. <i>Physical Review A</i> , 2009, 80, .	1.0	74
39	Phase estimation at the quantum Cram�r-Rao bound via parity detection. <i>Physical Review A</i> , 2013, 87, .	1.0	72
40	Phase sensitivity at the Heisenberg limit in an SU(1,1) interferometer via parity detection. <i>Physical Review A</i> , 2016, 94, .	1.0	70
41	Quantum lithography, entanglement and Heisenberg-limited parameter estimation. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S811-S815.	1.4	68
42	Sonic band structure in fluids with periodic density variations. <i>Journal of the Acoustical Society of America</i> , 1992, 91, 2539-2543.	0.5	67
43	Parity detection in quantum optical metrology without number-resolving detectors. <i>New Journal of Physics</i> , 2010, 12, 113025.	1.2	67
44	Quantum-enhanced magnetometer with low-frequency squeezing. <i>Physical Review A</i> , 2012, 86, .	1.0	63
45	Factoring integers with Young's N-slit interferometer. <i>Physical Review A</i> , 1996, 53, 4587-4590.	1.0	61
46	Radiation pattern of a classical dipole in a cavity. <i>Optics Communications</i> , 1991, 82, 415-419.	1.0	59
47	Piezophotonic Switching Due to Local Field Effects in a Coherently Prepared Medium of Three-Level Atoms. <i>Physical Review Letters</i> , 1994, 73, 1789-1792.	2.9	58
48	Super-resolution at the shot-noise limit with coherent states and photon-number-resolving detectors. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, A170.	0.9	58
49	Multiphoton Interference in Quantum Fourier Transform Circuits and Applications to Quantum Metrology. <i>Physical Review Letters</i> , 2017, 119, 080502.	2.9	57
50	Practical figures of merit and thresholds for entanglement distribution in quantum networks. <i>Physical Review Research</i> , 2019, 1, .	1.3	56
51	Strong violations of Bell-type inequalities for path-entangled number states. <i>Physical Review A</i> , 2007, 76, .	1.0	52
52	Fundamental precision limit of a Mach-Zehnder interferometric sensor when one of the inputs is the vacuum. <i>Physical Review A</i> , 2017, 96, .	1.0	52
53	Experimental Gaussian Boson sampling. <i>Science Bulletin</i> , 2019, 64, 511-515.	4.3	51
54	Spontaneous emission and nonlinear effects in photonic bandgap materials. <i>Journal of Optics</i> , 1998, 7, 393-407.	0.5	50

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55	Construction of a quantum repeater with linear optics. <i>Physical Review A</i> , 2003, 68, .	1.0	47
56	Super-resolving quantum radar: Coherent-state sources with homodyne detection suffice to beat the diffraction limit. <i>Journal of Applied Physics</i> , 2013, 114, 193102.	1.1	47
57	Thermal radiation in photonic crystals. <i>Physical Review B</i> , 2007, 75, .	1.1	46
58	All Linear Optical Quantum Memory Based on Quantum Error Correction. <i>Physical Review Letters</i> , 2003, 91, 217901.	2.9	43
59	Spontaneous emission in cavities: How much more classical can you get?. <i>Foundations of Physics</i> , 1993, 23, 895-905.	0.6	42
60	Bootstrapping Approach for Generating Maximally Path-Entangled Photon States. <i>Physical Review Letters</i> , 2007, 99, 053602.	2.9	42
61	Arbitrary coherent superpositions of quantized vortices in Bose-Einstein condensates via orbital angular momentum of light. <i>Physical Review A</i> , 2008, 77, .	1.0	42
62	Remote quantum clock synchronization without synchronized clocks. <i>Npj Quantum Information</i> , 2018, 4, .	2.8	41
63	Maximal success probabilities of linear-optical quantum gates. <i>Physical Review A</i> , 2009, 79, .	1.0	40
64	Robust quantum network architectures and topologies for entanglement distribution. <i>Physical Review A</i> , 2018, 97, .	1.0	40
65	Lorentz-invariant look at quantum clock-synchronization protocols based on distributed entanglement. <i>Physical Review A</i> , 2002, 65, .	1.0	39
66	Resolution and sensitivity of a Fabry-Perot interferometer with a photon-number-resolving detector. <i>Physical Review A</i> , 2009, 80, .	1.0	39
67	Entanglement-enhanced optical gyroscope. <i>New Journal of Physics</i> , 2019, 21, 053010.	1.2	39
68	Sampling arbitrary photon-added or photon-subtracted squeezed states is in the same complexity class as boson sampling. <i>Physical Review A</i> , 2015, 91, .	1.0	38
69	Nearly optimal measurement schemes in a noisy Mach-Zehnder interferometer with coherent and squeezed vacuum. <i>EPJ Quantum Technology</i> , 2017, 4, .	2.9	37
70	Towards photostatistics from photon-number discriminating detectors. <i>Journal of Modern Optics</i> , 2004, 51, 1517-1528.	0.6	36
71	Adaptive phase estimation with two-mode squeezed vacuum and parity measurement. <i>Physical Review A</i> , 2017, 95, .	1.0	36
72	Spooky action at a global distance: analysis of space-based entanglement distribution for the quantum internet. <i>Npj Quantum Information</i> , 2021, 7, .	2.8	34

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73	General linear-optical quantum state generation scheme: Applications to maximally path-entangled states. <i>Physical Review A</i> , 2007, 76, .	1.0	32
74	Strategies for choosing path-entangled number states for optimal robust quantum-optical metrology in the presence of loss. <i>Physical Review A</i> , 2012, 86, .	1.0	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. <i>Physical Review A</i> , 2015, 91, .	1.0	32
76	Gaussian-beam-propagation theory for nonlinear optics involving an analytical treatment of orbital-angular-momentum transfer. <i>Physical Review A</i> , 2017, 96, .	1.0	32
77	Thresholded Quantum LIDAR: Exploiting Photon-Number-Resolving Detection. <i>Physical Review Letters</i> , 2019, 123, 203601.	2.9	32
78	Self-field quantum electrodynamics: The two-level atom. <i>Physical Review A</i> , 1990, 41, 2284-2294.	1.0	31
79	Conditional linear-optical measurement schemes generate effective photon nonlinearities. <i>Physical Review A</i> , 2003, 68, .	1.0	31
80	Experimental sub-Rayleigh resolution by an unseeded high-gain optical parametric amplifier for quantum lithography. <i>Physical Review A</i> , 2008, 77, .	1.0	31
81	Spontaneous parametric down-conversion photon sources are scalable in the asymptotic limit for boson sampling. <i>Physical Review A</i> , 2013, 88, .	1.0	31
82	Non-Gaussian entangled states and quantum teleportation of Schrödinger-cat states. <i>Physica Scripta</i> , 2015, 90, 074029.	1.2	31
83	Entanglement-seeded, dual, optical parametric amplification: Applications to quantum imaging and metrology. <i>Physical Review A</i> , 2008, 78, .	1.0	30
84	Sagnac interferometry with coherent vortex superposition states in exciton-polariton condensates. <i>Physical Review A</i> , 2016, 93, .	1.0	30
85	Emulating Quantum Teleportation of a Majorana Zero Mode Qubit. <i>Physical Review Letters</i> , 2021, 126, 090502.	2.9	30
86	Exponential decrease in phase uncertainty. <i>Physical Review A</i> , 1991, 44, 3365-3368.	1.0	29
87	Quantum lithography: status of the field. <i>Quantum Information Processing</i> , 2012, 11, 891-901.	1.0	29
88	Optimized aperiodic highly directional narrowband infrared emitters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1316.	0.9	28
89	Linear optical quantum metrology with single photons: Experimental errors, resource counting, and quantum Cram�r-Rao bounds. <i>Physical Review A</i> , 2017, 96, .	1.0	28
90	Multiparameter estimation with single photons�linearly-optically generated quantum entanglement beats the shotnoise limit. <i>Journal of Optics (United Kingdom)</i> , 2017, 19, 124002.	1.0	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.	1.0	27
92	Conclusive precision bounds for SU(1,1) interferometers. <i>Physical Review A</i> , 2019, 99, .	1.0	27
93	Effects of phase fluctuations on phase sensitivity and visibility of path-entangled photon Fock states. <i>Physical Review A</i> , 2013, 88, .	1.0	25
94	Optimized aperiodic multilayer structures for use as narrow-angular absorbers. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	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.	0.6	22
96	Evidence for the conjecture that sampling generalized cat states with linear optics is hard. <i>Physical Review A</i> , 2015, 91, .	1.0	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, .	1.0	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, .	1.0	21
99	Absolute calibration of single-photon and multiplexed photon-number-resolving detectors. <i>Physical Review A</i> , 2018, 98, .	1.0	20
100	Sub-shot-noise-limited phase estimation via SU(1,1) interferometer with thermal states. <i>Optics Express</i> , 2018, 26, 18492.	1.7	20
101	Optical angular momentum manipulations in a four-wave mixing process. <i>Optics Letters</i> , 2019, 44, 739.	1.7	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.	1.0	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.	0.9	18
105	Implementing BosonSampling with time-bin encoding: Analysis of loss, mode mismatch, and time jitter. <i>Physical Review A</i> , 2015, 92, .	1.0	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.	4.8	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.	0.9	17

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109	Inefficiency of classically simulating linear optical quantum computing with Fock-state inputs. Physical Review A, 2014, 89, .	1.0	17
110	Quantum-enhanced spectroscopy with entangled multiphoton states. Physical Review A, 2016, 93, .	1.0	16
111	Optimized mid-infrared thermal emitters for applications in aircraft countermeasures. AIP Advances, 2017, 7, .	0.6	16
112	Quantum teleportation of photonic qudits using linear optics. Physical Review A, 2019, 100, .	1.0	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.	1.0	15
114	High-fidelity linear optical quantum computing with polarization encoding. Physical Review A, 2006, 73, .	1.0	15
115	Spatial multimode structure of atom-generated squeezed light. Physical Review A, 2016, 93, .	1.0	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.	0.7	14
117	A quantum state of ultra-low phase noise. Optics Communications, 1991, 86, 119-122.	1.0	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.	0.3	14
119	Band structure for neutral magnetic dipoles in a periodic magnetic field: A simple spin polarizer. Physical Review Letters, 1992, 68, 3571-3574.	2.9	13
120	Quantum information transmission. Quantum Information Processing, 2013, 12, 899-906.	1.0	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.	0.9	12
122	Optimized aperiodic broadband visible absorbers. Journal of Optics (United Kingdom), 2017, 19, 105003.	1.0	12
123	Towards classification of experimental Laguerre-Gaussian modes using convolutional neural networks. Optical Engineering, 2020, 59, 1.	0.5	12
124	Quantum electrodynamics based on self-fields, without second quantization: Apparatus dependent contributions to $g^{-2}$ . Physical Review A, 1989, 39, 2796-2805.	1.0	11
125	Dynamical decoupling in optical fibers: Preserving polarization qubits from birefringent dephasing. Physical Review A, 2012, 85, .	1.0	11
126	Schrödinger modal structure of cubical, pyramidal, and conical, evanescent light-wave gravitational atom traps. Physical Review A, 1995, 52, 3997-4003.	1.0	10



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127	To compute or not to compute?. Nature, 2006, 439, 919-920.	13.7	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.	0.6	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.	1.7	10
130	Error suppression in adiabatic quantum computing with qubit ensembles. Npj Quantum Information, 2021, 7, .	2.8	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, .	1.0	9
133	Efficient Simulation of Loop Quantum Gravity: A Scalable Linear-Optical Approach. Physical Review Letters, 2021, 126, 020501.	2.9	9
134	Suitability versus fidelity for rating single-photon guns. Physical Review A, 2003, 67, .	1.0	8
135	Exploiting the Quantum Zeno effect to beat photon loss in linear optical quantum information processors. Optics Communications, 2005, 254, 374-379.	1.0	8
136	Multipass configuration for improved squeezed vacuum generation in hot Rb vapor. Physical Review A, 2017, 96, .	1.0	8
137	Finding broken gates in quantum circuits: exploiting hybrid machine learning. Quantum Information Processing, 2020, 19, 1.	1.0	8
138	Quantum-Limited Squeezed Light Detection with a Camera. Physical Review Letters, 2020, 125, 113602.	2.9	8
139	Two-photon processes in faint biphoton fields. Journal of Modern Optics, 2002, 49, 2349-2364.	0.6	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, .	1.0	7
142	Optimal digital dynamical decoupling for general decoherence via Walsh modulation. Quantum Information Processing, 2017, 16, 1.	1.0	7
143	Deterministic generation of hybrid high- $N$ NOON states with Rydberg atoms trapped in microwave cavities. Physical Review A, 2020, 101, .	1.0	7
144	POPPER'S THOUGHT EXPERIMENT REINVESTIGATED. International Journal of Quantum Information, 2012, 10, 1250033.	0.6	6

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145	Preserving photon qubits in an unknown quantum state with Knill dynamical decoupling: Towards an all optical quantum memory. <i>Physical Review A</i> , 2015, 91, .	1.0	6
146	Direct characterization of linear and quadratically nonlinear optical systems. <i>Physical Review A</i> , 2018, 98, .	1.0	6
147	Quantum interferometric sensors. , 2007, , .		5
148	An optical parametric oscillator as a high-flux source of two-mode light for quantum lithography. <i>New Journal of Physics</i> , 2009, 11, 113055.	1.2	5
149	An invisible quantum tripwire. <i>New Journal of Physics</i> , 2010, 12, 083012.	1.2	5
150	Quantum Hall effect with small numbers of vortices in Bose-Einstein condensates. <i>Physical Review A</i> , 2015, 92, .	1.0	5
151	Quantized nonlinear Gaussian-beam dynamics: Tailoring multimode squeezed-light generation. <i>Physical Review A</i> , 2018, 98, .	1.0	5
152	Optimized Multilayer Structures With Ultrabroadband Near-Perfect Absorption. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	5
153	Photonic quantum data locking. <i>Quantum - the Open Journal for Quantum Science</i> , 0, 5, 447.	0.0	5
154	Optomechanical entanglement at room temperature: A simulation study with realistic conditions. <i>Physical Review A</i> , 2020, 102, .	1.0	5
155	The on-ramp to the all-optical quantum information processing highway. <i>Science</i> , 2015, 349, 696-696.	6.0	4
156	Quantum gates for Majoranas zero modes in topological superconductors in one-dimensional geometry. <i>Physical Review B</i> , 2021, 103, .	1.1	4
157	Towards photostatistics from photon-number discriminating detectors. , 2004, .		4
158	Nonlinear tuning of 3D photonic band-gap structures for single-photon on demand sources. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2006, 32, 484-487.	1.3	3
159	Room-temperature photon-number-resolved detection using a two-mode squeezer. <i>Physical Review A</i> , 2017, 96, .	1.0	3
160	Relativistic corrections to photonic entangled states for the space-based quantum network. <i>Physical Review A</i> , 2020, 101, .	1.0	3
161	Relativity of quantum states in entanglement swapping. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020, 384, 126301.	0.9	3
162	The specular reflection of light off light. <i>American Journal of Physics</i> , 1992, 60, 28-34.	0.3	2

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163	Heisenberg-limited measurements with superconducting circuits. <i>Physical Review A</i> , 2006, 73, .	1.0	2
164	Kittens catch phase. <i>Nature</i> , 2007, 450, 362-363.	13.7	2
165	Dynamical decoupling with tailored wave plates for long-distance communication using polarization qubits. <i>Physical Review A</i> , 2013, 88, .	1.0	2
166	Super-resolving single-photon number-path-entangled state and its generation. <i>Physical Review A</i> , 2014, 89, .	1.0	2
167	Reducing the number of ancilla qubits and the gate count required for creating large controlled operations. <i>Quantum Information Processing</i> , 2015, 14, 891-899.	1.0	2
168	Quantum phase representation of Heisenberg limits and a minimally resourced quantum phase estimator. <i>Physical Review A</i> , 2016, 93, .	1.0	2
169	Limits to atom-vapor-based room-temperature photon-number-resolving detection. <i>Physical Review A</i> , 2018, 98, .	1.0	2
170	Enhanced phase estimation with coherently boosted two-mode squeezed beams and its application to optical gyroscopes. <i>Physical Review A</i> , 2020, 102, .	1.0	2
171	Entanglement-based quantum clock synchronization. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	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. <i>Physical Review A</i> , 1992, 45, 3121-3125.	1.0	1
174	ALTERNATE SCHEME FOR OPTICAL CLUSTER-STATE GENERATION WITHOUT NUMBER-RESOLVING PHOTON DETECTORS. <i>International Journal of Quantum Information</i> , 2007, 05, 617-626.	0.6	1
175	Quantum Sensors, Computing, Metrology, and Imaging. , 2011, , .		1
176	Single and biphoton imaging and high dimensional quantum communication. <i>Quantum Information Processing</i> , 2012, 11, 925-948.	1.0	1
177	On the uncertainty of the ordering of nonlocal wavefunction collapse when relativity is considered. <i>Quantum Studies: Mathematics and Foundations</i> , 2014, 1, 57-64.	0.4	1
178	On the connection between quantum nonlocality and phase sensitivity of two-mode entangled Fock state superpositions. <i>Quantum Information Processing</i> , 2016, 15, 1025-1042.	1.0	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. <i>Physical Review A</i> , 2017, 96, .	1.0	1
180	Enhanced Hanbury Brown and Twiss interferometry using parametric amplification. <i>EPJ Quantum Technology</i> , 2020, 7, .	2.9	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
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184	Novel Matter-wave Gyroscope via Vortex Superposition in BEC. , 2009, , .		0
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