

Jonathan P Dowling

List of Publications by Citations

Source: <https://exaly.com/author-pdf/11662228/jonathan-p-dowling-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

180
papers

11,156
citations

46
h-index

103
g-index

219
ext. papers

13,036
ext. citations

4.1
avg, IF

6.38
L-index

#	Paper	IF	Citations
180	Linear optical quantum computing with photonic qubits. <i>Reviews of Modern Physics</i> , 2007 , 79, 135-174	40.5	1596
179	Quantum interferometric optical lithography: exploiting entanglement to beat the diffraction limit. <i>Physical Review Letters</i> , 2000 , 85, 2733-6	7.4	1010
178	The photonic band edge laser: A new approach to gain enhancement. <i>Journal of Applied Physics</i> , 1994 , 75, 1896-1899	2.5	512
177	Quantum optical metrology [the lowdown on high-N00N states]. <i>Contemporary Physics</i> , 2008 , 49, 125-143	3.3	472
176	Optical limiting and switching of ultrashort pulses in nonlinear photonic band gap materials. <i>Physical Review Letters</i> , 1994 , 73, 1368-1371	7.4	467
175	Analytic expressions for the electromagnetic mode density in finite, one-dimensional, photonic band-gap structures. <i>Physical Review E</i> , 1996 , 53, 4107-4121	2.4	416
174	Quantum technology: the second quantum revolution. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2003 , 361, 1655-74	3	332
173	A quantum Rosetta stone for interferometry. <i>Journal of Modern Optics</i> , 2002 , 49, 2325-2338	1.1	306
172	Thin-film nonlinear optical diode. <i>Applied Physics Letters</i> , 1995 , 66, 2324-2326	3.4	236
171	Quantum metrology with two-mode squeezed vacuum: parity detection beats the Heisenberg limit. <i>Physical Review Letters</i> , 2010 , 104, 103602	7.4	231
170	The photonic band edge optical diode. <i>Journal of Applied Physics</i> , 1994 , 76, 2023-2026	2.5	225
169	Correlated input-port, matter-wave interferometer: Quantum-noise limits to the atom-laser gyroscope. <i>Physical Review A</i> , 1998 , 57, 4736-4746	2.6	220
168	Quantum clock synchronization based on shared prior entanglement. <i>Physical Review Letters</i> , 2000 , 85, 2010-3	7.4	208
167	Creation of large-photon-number path entanglement conditioned on photodetection. <i>Physical Review A</i> , 2002 , 65,	2.6	200
166	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	2.6	173
165	Photonic Band Calculations for Woodpile Structures. <i>Journal of Modern Optics</i> , 1994 , 41, 231-239	1.1	166
164	Entangled Fock states for robust quantum optical metrology, imaging, and sensing. <i>Physical Review A</i> , 2008 , 78,	2.6	158

163	Near-dipole-dipole effects in dense media: Generalized Maxwell-Bloch equations. <i>Physical Review A</i> , 1993 , 47, 1247-1251	2.6	154
162	Single-photon quantum-nondemolition detectors constructed with linear optics and projective measurements. <i>Physical Review A</i> , 2002 , 66,	2.6	141
161	Atomic emission rates in inhomogeneous media with applications to photonic band structures. <i>Physical Review A</i> , 1992 , 46, 612-622	2.6	138
160	Anomalous Index of Refraction in Photonic Bandgap Materials. <i>Journal of Modern Optics</i> , 1994 , 41, 345-351	2.6	130
159	Modification of Planck blackbody radiation by photonic band-gap structures. <i>Physical Review A</i> , 1999 , 59, 4736-4746	2.6	126
158	Evanescent Light-Wave Atom Mirrors, Resonators, Waveguides, and Traps. <i>Advances in Atomic, Molecular and Optical Physics</i> , 1996 , 1-94	1.7	125
157	Measurement of spontaneous-emission enhancement near the one-dimensional photonic band edge of semiconductor heterostructures. <i>Physical Review A</i> , 1996 , 53, 2799-2803	2.6	118
156	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	7.4	106
155	Linear optics and projective measurements alone suffice to create large-photon-number path entanglement. <i>Physical Review A</i> , 2002 , 65,	2.6	97
154	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	7.4	96
153	Quantum-interferometric optical lithography: Towards arbitrary two-dimensional patterns. <i>Physical Review A</i> , 2001 , 63,	2.6	88
152	Coherent-light-boosted, sub-shot noise, quantum interferometry. <i>New Journal of Physics</i> , 2010 , 12, 083014	7.4	87
151	Scalable boson sampling with time-bin encoding using a loop-based architecture. <i>Physical Review Letters</i> , 2014 , 113, 120501	7.4	77
150	Improving solar cell efficiency using photonic band-gap materials. <i>Solar Energy Materials and Solar Cells</i> , 2007 , 91, 1599-1610	6.4	75
149	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	7.4	69
148	Quantum Optical Technologies for Metrology, Sensing, and Imaging. <i>Journal of Lightwave Technology</i> , 2015 , 33, 2359-2370	4	67
147	Local and global distinguishability in quantum interferometry. <i>Physical Review Letters</i> , 2007 , 99, 070801	7.4	63
146	Efficient generation of large number-path entanglement using only linear optics and feed-forward. <i>Physical Review Letters</i> , 2007 , 99, 163604	7.4	63

145	Quantum-noise limits to matter-wave interferometry. <i>Physical Review A</i> , 1993 , 48, 3186-3190	2.6	62
144	Sonic band structure in fluids with periodic density variations. <i>Journal of the Acoustical Society of America</i> , 1992 , 91, 2539-2543	2.2	59
143	Optimization of quantum interferometric metrological sensors in the presence of photon loss. <i>Physical Review A</i> , 2009 , 80,	2.6	58
142	Parity detection achieves the Heisenberg limit in interferometry with coherent mixed with squeezed vacuum light. <i>New Journal of Physics</i> , 2011 , 13, 083026	2.9	55
141	Parity detection in quantum optical metrology without number-resolving detectors. <i>New Journal of Physics</i> , 2010 , 12, 113025	2.9	53
140	Quantum lithography, entanglement and Heisenberg-limited parameter estimation. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S811-S815		52
139	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	7.4	52
138	Radiation pattern of a classical dipole in a cavity. <i>Optics Communications</i> , 1991 , 82, 415-419	2	52
137	Phase estimation at the quantum CramÉ-Rao bound via parity detection. <i>Physical Review A</i> , 2013 , 87,	2.6	51
136	Factoring integers with Young's N-slit interferometer. <i>Physical Review A</i> , 1996 , 53, 4587-4590	2.6	50
135	Phase sensitivity at the Heisenberg limit in an SU(1,1) interferometer via parity detection. <i>Physical Review A</i> , 2016 , 94,	2.6	48
134	Quantum-enhanced magnetometer with low-frequency squeezing. <i>Physical Review A</i> , 2012 , 86,	2.6	46
133	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	1.7	45
132	Multiphoton Interference in Quantum Fourier Transform Circuits and Applications to Quantum Metrology. <i>Physical Review Letters</i> , 2017 , 119, 080502	7.4	39
131	All linear optical quantum memory based on quantum error correction. <i>Physical Review Letters</i> , 2003 , 91, 217901	7.4	38
130	Spontaneous emission and nonlinear effects in photonic bandgap materials. <i>Journal of Optics</i> , 1998 , 7, 393-407		38
129	Strong violations of Bell-type inequalities for path-entangled number states. <i>Physical Review A</i> , 2007 , 76,	2.6	37
128	Bootstrapping approach for generating maximally path-entangled photon states. <i>Physical Review Letters</i> , 2007 , 99, 053602	7.4	37

127	Thermal radiation in photonic crystals. <i>Physical Review B</i> , 2007 , 75,	3.3	36
126	Construction of a quantum repeater with linear optics. <i>Physical Review A</i> , 2003 , 68,	2.6	36
125	Spontaneous emission in cavities: How much more classical can you get?. <i>Foundations of Physics</i> , 1993 , 23, 895-905	1.2	36
124	Arbitrary coherent superpositions of quantized vortices in Bose-Einstein condensates via orbital angular momentum of light. <i>Physical Review A</i> , 2008 , 77,	2.6	35
123	Fundamental precision limit of a Mach-Zehnder interferometric sensor when one of the inputs is the vacuum. <i>Physical Review A</i> , 2017 , 96,	2.6	34
122	Lorentz-invariant look at quantum clock-synchronization protocols based on distributed entanglement. <i>Physical Review A</i> , 2002 , 65,	2.6	34
121	Practical figures of merit and thresholds for entanglement distribution in quantum networks. <i>Physical Review Research</i> , 2019 , 1,	3.9	34
120	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,	2.6	33
119	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	2.5	31
118	Experimental Gaussian Boson sampling. <i>Science Bulletin</i> , 2019 , 64, 511-515	10.6	30
117	Resolution and sensitivity of a Fabry-Perot interferometer with a photon-number-resolving detector. <i>Physical Review A</i> , 2009 , 80,	2.6	30
116	Maximal success probabilities of linear-optical quantum gates. <i>Physical Review A</i> , 2009 , 79,	2.6	29
115	Spontaneous parametric down-conversion photon sources are scalable in the asymptotic limit for boson sampling. <i>Physical Review A</i> , 2013 , 88,	2.6	27
114	Towards photostatistics from photon-number discriminating detectors. <i>Journal of Modern Optics</i> , 2004 , 51, 1517-1528	1.1	27
113	Exponential decrease in phase uncertainty. <i>Physical Review A</i> , 1991 , 44, 3365-3368	2.6	27
112	Quantum lithography: status of the field. <i>Quantum Information Processing</i> , 2012 , 11, 891-901	1.6	26
111	Self-field quantum electrodynamics: The two-level atom. <i>Physical Review A</i> , 1990 , 41, 2284-2294	2.6	26
110	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,	2.6	25

109	Gaussian-beam-propagation theory for nonlinear optics involving an analytical treatment of orbital-angular-momentum transfer. <i>Physical Review A</i> , 2017 , 96,	2.6	25
108	Entanglement-seeded, dual, optical parametric amplification: Applications to quantum imaging and metrology. <i>Physical Review A</i> , 2008 , 78,	2.6	25
107	Experimental sub-Rayleigh resolution by an unseeded high-gain optical parametric amplifier for quantum lithography. <i>Physical Review A</i> , 2008 , 77,	2.6	25
106	General linear-optical quantum state generation scheme: Applications to maximally path-entangled states. <i>Physical Review A</i> , 2007 , 76,	2.6	25
105	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	2.6	25
104	Non-Gaussian entangled states and quantum teleportation of Schrödinger-cat states. <i>Physica Scripta</i> , 2015 , 90, 074029	2.6	24
103	Conditional linear-optical measurement schemes generate effective photon nonlinearities. <i>Physical Review A</i> , 2003 , 68,	2.6	24
102	Nearly optimal measurement schemes in a noisy Mach-Zehnder interferometer with coherent and squeezed vacuum. <i>EPJ Quantum Technology</i> , 2017 , 4,	6.9	21
101	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,	2.6	21
100	Adaptive phase estimation with two-mode squeezed vacuum and parity measurement. <i>Physical Review A</i> , 2017 , 95,	2.6	20
99	Optimized aperiodic multilayer structures for use as narrow-angular absorbers. <i>Journal of Applied Physics</i> , 2014 , 116, 243101	2.5	20
98	Robust quantum network architectures and topologies for entanglement distribution. <i>Physical Review A</i> , 2018 , 97,	2.6	19
97	Evidence for the conjecture that sampling generalized cat states with linear optics is hard. <i>Physical Review A</i> , 2015 , 91,	2.6	19
96	Effects of phase fluctuations on phase sensitivity and visibility of path-entangled photon Fock states. <i>Physical Review A</i> , 2013 , 88,	2.6	19
95	Thresholded Quantum LIDAR: Exploiting Photon-Number-Resolving Detection. <i>Physical Review Letters</i> , 2019 , 123, 203601	7.4	19
94	Linear optical quantum metrology with single photons: Experimental errors, resource counting, and quantum Cramér-Rao bounds. <i>Physical Review A</i> , 2017 , 96,	2.6	18
93	Sagnac interferometry with coherent vortex superposition states in exciton-polariton condensates. <i>Physical Review A</i> , 2016 , 93,	2.6	18
92	Remote quantum clock synchronization without synchronized clocks. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	18

91	Optimized aperiodic highly directional narrowband infrared emitters. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1316	1.7	17
90	Beat radiation from dipoles near a photonic band edge. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1993 , 10, 353	1.7	17
89	Entanglement-enhanced optical gyroscope. <i>New Journal of Physics</i> , 2019 , 21, 053010	2.9	16
88	Conclusive precision bounds for SU(1,1) interferometers. <i>Physical Review A</i> , 2019 , 99,	2.6	16
87	Generating entangled photons from the vacuum by accelerated measurements: Quantum-information theory and the Unruh-Davies effect. <i>Physical Review A</i> , 2008 , 78,	2.6	16
86	Multiparameter estimation with single photons—nearly-optimally generated quantum entanglement beats the shotnoise limit. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 124002	1.7	15
85	Inefficiency of classically simulating linear optical quantum computing with Fock-state inputs. <i>Physical Review A</i> , 2014 , 89,	2.6	15
84	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	1.7	15
83	Quantum electrodynamics based on self-fields, without second quantization: A nonrelativistic calculation of g-2. <i>Physical Review A</i> , 1988 , 38, 4405-4412	2.6	15
82	Efficient recycling strategies for preparing large Fock states from single-photon sources: Applications to quantum metrology. <i>Physical Review A</i> , 2016 , 94,	2.6	15
81	High-fidelity linear optical quantum computing with polarization encoding. <i>Physical Review A</i> , 2006 , 73,	2.6	14
80	Dipole radiators in a cavity: A radio frequency analog for the modification of atomic spontaneous emission rates between mirrors. <i>American Journal of Physics</i> , 1993 , 61, 545-550	0.7	14
79	Quantum electrodynamics based on self-fields: On the origin of thermal radiation detected by an accelerating observer. <i>Physical Review A</i> , 1990 , 41, 2277-2283	2.6	14
78	Sub-shot-noise-limited phase estimation via SU(1,1) interferometer with thermal states. <i>Optics Express</i> , 2018 , 26, 18492-18504	3.3	13
77	Optimized mid-infrared thermal emitters for applications in aircraft countermeasures. <i>AIP Advances</i> , 2017 , 7, 125112	1.5	13
76	Optical angular momentum manipulations in a four-wave mixing process. <i>Optics Letters</i> , 2019 , 44, 739-742		13
75	Absolute calibration of single-photon and multiplexed photon-number-resolving detectors. <i>Physical Review A</i> , 2018 , 98,	2.6	12
74	Quantum information transmission. <i>Quantum Information Processing</i> , 2013 , 12, 899-906	1.6	12

73	Implementing BosonSampling with time-bin encoding: Analysis of loss, mode mismatch, and time jitter. <i>Physical Review A</i> , 2015 , 92,	2.6	12
72	An Introduction to Boson-Sampling 2015 , 167-192		12
71	Ultra-stable matter-wave gyroscope with counter-rotating vortex superpositions in Bose-Einstein condensates. <i>Journal of Modern Optics</i> , 2012 , 59, 1180-1185	1.1	12
70	Band structure for neutral magnetic dipoles in a periodic magnetic field: A simple spin polarizer. <i>Physical Review Letters</i> , 1992 , 68, 3571-3574	7.4	12
69	QED Based on Self-Fields: A Relativistic Calculation of $g-2$. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 1989 , 44, 1051-1056	1.4	12
68	A quantum state of ultra-low phase noise. <i>Optics Communications</i> , 1991 , 86, 119-122	2	12
67	Spooky action at a global distance: analysis of space-based entanglement distribution for the quantum internet. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	11
66	Spatial multimode structure of atom-generated squeezed light. <i>Physical Review A</i> , 2016 , 93,	2.6	10
65	Quantum-enhanced spectroscopy with entangled multiphoton states. <i>Physical Review A</i> , 2016 , 93,	2.6	10
64	Optimized aperiodic broadband visible absorbers. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 105003	1.7	10
63	Phase-controlled entanglement in a quantum-beat laser: application to quantum lithography. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011 , 44, 225504	1.3	10
62	Schrödinger modal structure of cubical, pyramidal, and conical, evanescent light-wave gravitational atom traps. <i>Physical Review A</i> , 1995 , 52, 3997-4003	2.6	10
61	Quantum teleportation of photonic qudits using linear optics. <i>Physical Review A</i> , 2019 , 100,	2.6	9
60	Demonstration of topologically path-independent anyonic braiding in a nine-qubit planar code. <i>Optica</i> , 2019 , 6, 264	8.6	9
59	Orbital-angular-momentum-enhanced estimation of sub-Heisenberg-limited angular displacement with two-mode squeezed vacuum and parity detection. <i>Optics Express</i> , 2018 , 26, 16524-16534	3.3	8
58	Quantum random walks with multiphoton interference and high-order correlation functions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013 , 30, 1538	1.7	8
57	Quantum electrodynamics based on self-fields, without second quantization: Apparatus dependent contributions to $g-2$. <i>Physical Review A</i> , 1989 , 39, 2796-2805	2.6	8
56	Phase estimation in an SU(1,1) interferometer with displaced squeezed states. <i>OSA Continuum</i> , 2018 , 1, 438	1.4	8

55	Dynamical decoupling in optical fibers: Preserving polarization qubits from birefringent dephasing. <i>Physical Review A</i> , 2012 , 85,	2.6	7
54	Quantum lithography: A non-computing application of quantum information. <i>Computer Science - Research and Development</i> , 2006 , 21, 73-82		7
53	Exploiting the Quantum Zeno effect to beat photon loss in linear optical quantum information processors. <i>Optics Communications</i> , 2005 , 254, 374-379	2	7
52	Towards classification of experimental Laguerre-Gaussian modes using convolutional neural networks. <i>Optical Engineering</i> , 2020 , 59, 1	1.1	7
51	Suitability versus fidelity for rating single-photon guns. <i>Physical Review A</i> , 2003 , 67,	2.6	6
50	Why a hole is like a beam splitter: A general diffraction theory for multimode quantum states of light. <i>Physical Review A</i> , 2017 , 96,	2.6	5
49	Quantum Hall effect with small numbers of vortices in Bose-Einstein condensates. <i>Physical Review A</i> , 2015 , 92,	2.6	5
48	Quantum interferometric sensors 2007 ,		5
47	From linear optical quantum computing to Heisenberg-limited interferometry. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S796-S800		5
46	Two-photon processes in faint biphoton fields. <i>Journal of Modern Optics</i> , 2002 , 49, 2349-2364	1.1	5
45	Emulating Quantum Teleportation of a Majorana Zero Mode Qubit. <i>Physical Review Letters</i> , 2021 , 126, 090502	7.4	5
44	QUANTUM OPTICS. The on-ramp to the all-optical quantum information processing highway. <i>Science</i> , 2015 , 349, 696	33.3	4
43	Optimized Multilayer Structures With Ultrabroadband Near-Perfect Absorption. <i>IEEE Photonics Journal</i> , 2020 , 12, 1-10	1.8	4
42	Deterministic generation of hybrid high-N NOON states with Rydberg atoms trapped in microwave cavities. <i>Physical Review A</i> , 2020 , 101,	2.6	4
41	Multipass configuration for improved squeezed vacuum generation in hot Rb vapor. <i>Physical Review A</i> , 2017 , 96,	2.6	4
40	An invisible quantum tripwire. <i>New Journal of Physics</i> , 2010 , 12, 083012	2.9	4
39	Optimizing the multiphoton absorption properties of maximally path-entangled number states. <i>Physical Review A</i> , 2009 , 80,	2.6	4
38	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	2.9	4

37	POPPERS'S THOUGHT EXPERIMENT REINVESTIGATED. <i>International Journal of Quantum Information</i> , 2012 , 10, 1250033	0.8	4
36	Towards photostatistics from photon-number discriminating detectors 2004 ,		4
35	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,	2.6	3
34	Room-temperature photon-number-resolved detection using a two-mode squeezer. <i>Physical Review A</i> , 2017 , 96,	2.6	3
33	Optimal digital dynamical decoupling for general decoherence via Walsh modulation. <i>Quantum Information Processing</i> , 2017 , 16, 1	1.6	3
32	Efficient Simulation of Loop Quantum Gravity: A Scalable Linear-Optical Approach. <i>Physical Review Letters</i> , 2021 , 126, 020501	7.4	3
31	Heisenberg-limited measurements with superconducting circuits. <i>Physical Review A</i> , 2006 , 73,	2.6	2
30	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	3	2
29	Quantum-Limited Squeezed Light Detection with a Camera. <i>Physical Review Letters</i> , 2020 , 125, 113602	7.4	2
28	Error suppression in adiabatic quantum computing with qubit ensembles. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	2
27	Direct characterization of linear and quadratically nonlinear optical systems. <i>Physical Review A</i> , 2018 , 98,	2.6	2
26	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	1.6	1
25	Entanglement-based quantum clock synchronization 2020 ,		1
24	Quantum phase representation of Heisenberg limits and a minimally resourced quantum phase estimator. <i>Physical Review A</i> , 2016 , 93,	2.6	1
23	Super-resolving single-photon number-path-entangled state and its generation. <i>Physical Review A</i> , 2014 , 89,	2.6	1
22	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	0.6	1
21	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,	2.6	1
20	Dynamical decoupling with tailored wave plates for long-distance communication using polarization qubits. <i>Physical Review A</i> , 2013 , 88,	2.6	1

19	Quantum Sensors, Computing, Metrology, and Imaging 2011 ,		1
18	Coulomb scattering near mirrors: Quantum corrections to the Rutherford formula. <i>Physical Review A</i> , 1992 , 45, 3121-3125	2.6	1
17	The specular reflection of light off light. <i>American Journal of Physics</i> , 1992 , 60, 28-34	0.7	1
16	Relativity of quantum states in entanglement swapping. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2020 , 384, 126301	2.3	1
15	Relativistic corrections to photonic entangled states for the space-based quantum network. <i>Physical Review A</i> , 2020 , 101,	2.6	1
14	Finding broken gates in quantum circuits: exploiting hybrid machine learning. <i>Quantum Information Processing</i> , 2020 , 19, 1	1.6	1
13	Photonic quantum data locking. <i>Quantum - the Open Journal for Quantum Science</i> ,5, 447		1
12	Quantum gates for Majoranas zero modes in topological superconductors in one-dimensional geometry. <i>Physical Review B</i> , 2021 , 103,	3.3	1
11	Limits to atom-vapor-based room-temperature photon-number-resolving detection. <i>Physical Review A</i> , 2018 , 98,	2.6	1
10	Quantized nonlinear Gaussian-beam dynamics: Tailoring multimode squeezed-light generation. <i>Physical Review A</i> , 2018 , 98,	2.6	1
9	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	1.6	0
8	Single and biphoton imaging and high dimensional quantum communication. <i>Quantum Information Processing</i> , 2012 , 11, 925-948	1.6	0
7	ALTERNATE SCHEME FOR OPTICAL CLUSTER-STATE GENERATION WITHOUT NUMBER-RESOLVING PHOTON DETECTORS. <i>International Journal of Quantum Information</i> , 2007 , 05, 617-626	0.8	0
6	Engineering Quantum States of Light on Demand via Projective Measurements 2007 , JTuB3		
5	Quantum Lithography 2002 , 391-397		
4	Cavity QED and Classical Antenna Theory. <i>NATO ASI Series Series B: Physics</i> , 1992 , 165-172		
3	Spontaneous Emission and Nonlinear Effects in Photonic Band Gap Materials 1996 , 237-248		
2	Local Field Effects in Nonlinear and Quantum Optics 1996 , 271-280		

- 1 The Classical Lamb Shift: Why Jackson Is Wrong!. *NATO ASI Series Series B: Physics*, **1997**, 307-312