

Ulrik L Andersen

List of Publications by Citations

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194
papers

6,506
citations

45
h-index

74
g-index

267
ext. papers

8,257
ext. citations

6.5
avg, IF

6.01
L-index

#	Paper	IF	Citations
194	Colloquium: The Einstein-Podolsky-Rosen paradox: From concepts to applications. <i>Reviews of Modern Physics</i> , 2009 , 81, 1727-1751	40.5	390
193	Advances in quantum cryptography. <i>Advances in Optics and Photonics</i> , 2020 , 12, 1012	16.7	256
192	High-rate measurement-device-independent quantum cryptography. <i>Nature Photonics</i> , 2015 , 9, 397-402	33.9	243
191	A generator for unique quantum random numbers based on vacuum states. <i>Nature Photonics</i> , 2010 , 4, 711-715	33.9	200
190	Hybrid discrete- and continuous-variable quantum information. <i>Nature Physics</i> , 2015 , 11, 713-719	16.2	196
189	Controlled coupling of a single nitrogen-vacancy center to a silver nanowire. <i>Physical Review Letters</i> , 2011 , 106, 096801	7.4	192
188	Naturally phase-matched second-harmonic generation in a whispering-gallery-mode resonator. <i>Physical Review Letters</i> , 2010 , 104, 153901	7.4	192
187	30 years of squeezed light generation. <i>Physica Scripta</i> , 2016 , 91, 053001	2.6	169
186	Surpassing the standard quantum limit for optical imaging using nonclassical multimode light. <i>Physical Review Letters</i> , 2002 , 88, 203601	7.4	149
185	Continuous variable quantum key distribution with modulated entangled states. <i>Nature Communications</i> , 2012 , 3, 1083	17.4	141
184	Experimental entanglement distillation of mesoscopic quantum states. <i>Nature Physics</i> , 2008 , 4, 919-923	16.2	116
183	Low-threshold optical parametric oscillations in a whispering gallery mode resonator. <i>Physical Review Letters</i> , 2010 , 105, 263904	7.4	109
182	Deterministic generation of a two-dimensional cluster state. <i>Science</i> , 2019 , 366, 369-372	33.3	107
181	Noise-powered probabilistic concentration of phase information. <i>Nature Physics</i> , 2010 , 6, 767-771	16.2	101
180	Measurement-induced continuous-variable quantum interactions. <i>Physical Review A</i> , 2005 , 71,	2.6	101
179	Quantum light from a whispering-gallery-mode disk resonator. <i>Physical Review Letters</i> , 2011 , 106, 113901	7.4	100
178	Continuous-variable quantum information processing. <i>Laser and Photonics Reviews</i> , 2010 , 4, 337-354	8.3	91

177	Entangling different degrees of freedom by quadrature squeezing cylindrically polarized modes. <i>Physical Review Letters</i> , 2011 , 106, 060502	7.4	90
176	Demonstration of quadrature-squeezed surface plasmons in a gold waveguide. <i>Physical Review Letters</i> , 2009 , 102, 246802	7.4	88
175	Demonstration of a quantum nondemolition sum gate. <i>Physical Review Letters</i> , 2008 , 101, 250501	7.4	80
174	Continuous variable entanglement and squeezing of orbital angular momentum states. <i>Physical Review Letters</i> , 2009 , 102, 163602	7.4	78
173	Unconditional Quantum Cloning of Coherent States with Linear Optics. <i>Physical Review Letters</i> , 2005 , 94,	7.4	78
172	Acculturation is associated with hypertension in a multiethnic sample. <i>American Journal of Hypertension</i> , 2007 , 20, 354-63	2.3	77
171	Demonstration of near-optimal discrimination of optical coherent states. <i>Physical Review Letters</i> , 2008 , 101, 210501	7.4	76
170	Ab initio quantum-enhanced optical phase estimation using real-time feedback control. <i>Nature Photonics</i> , 2015 , 9, 577-581	33.9	74
169	Efficient coupling of a single diamond color center to propagating plasmonic gap modes. <i>Nano Letters</i> , 2013 , 13, 1221-5	11.5	71
168	Hybrid long-distance entanglement distribution protocol. <i>Physical Review Letters</i> , 2010 , 105, 160501	7.4	71
167	Reduction of guided acoustic wave Brillouin scattering in photonic crystal fibers. <i>Physical Review Letters</i> , 2006 , 97, 133901	7.4	68
166	Demonstration of coherent-state discrimination using a displacement-controlled photon-number-resolving detector. <i>Physical Review Letters</i> , 2010 , 104, 100505	7.4	67
165	Demonstration of deterministic and high fidelity squeezing of quantum information. <i>Physical Review A</i> , 2007 , 76,	2.6	65
164	Quantum enhanced optomechanical magnetometry. <i>Optica</i> , 2018 , 5, 850	8.6	64
163	Discrimination of binary coherent states using a homodyne detector and a photon number resolving detector. <i>Physical Review A</i> , 2010 , 81,	2.6	63
162	Nanodiamonds carrying silicon-vacancy quantum emitters with almost lifetime-limited linewidths. <i>New Journal of Physics</i> , 2016 , 18, 073036	2.9	62
161	Distillation of squeezing from non-Gaussian quantum states. <i>Physical Review Letters</i> , 2006 , 96, 253601	7.4	58
160	Distributed quantum sensing in a continuous-variable entangled network. <i>Nature Physics</i> , 2020 , 16, 281-284	7.4	57

159	Universal optical amplification without nonlinearity. <i>Physical Review Letters</i> , 2006 , 96, 163602	7.4	55
158	Efficient polarization squeezing in optical fibers. <i>Optics Letters</i> , 2005 , 30, 1192-4	3	55
157	Experimental evidence for Raman-induced limits to efficient squeezing in optical fibers. <i>Optics Letters</i> , 2008 , 33, 116-8	3	54
156	Experimental investigation of the evolution of gaussian quantum discord in an open system. <i>Physical Review Letters</i> , 2012 , 109, 030402	7.4	53
155	Many-body quantum dynamics of polarization squeezing in optical fibers. <i>Physical Review Letters</i> , 2006 , 97, 023606	7.4	53
154	Quantum-enhanced micromechanical displacement sensitivity. <i>Optics Letters</i> , 2013 , 38, 1413-5	3	50
153	Experimental demonstration of a Hadamard gate for coherent state qubits. <i>Physical Review A</i> , 2011 , 84,	2.6	49
152	Qudi: A modular python suite for experiment control and data processing. <i>SoftwareX</i> , 2017 , 6, 85-90	2.7	47
151	Experimental Demonstration of Continuous Variable Cloning with Phase-Conjugate Inputs. <i>Physical Review Letters</i> , 2007 , 98,	7.4	47
150	Quadrature phase shift keying coherent state discrimination via a hybrid receiver. <i>New Journal of Physics</i> , 2012 , 14, 083009	2.9	45
149	Nanotesla sensitivity magnetic field sensing using a compact diamond nitrogen-vacancy magnetometer. <i>Applied Physics Letters</i> , 2019 , 114, 231103	3.4	41
148	Simulations and experiments on polarization squeezing in optical fiber. <i>Physical Review A</i> , 2008 , 78,	2.6	39
147	High-fidelity teleportation of continuous-variable quantum states using delocalized single photons. <i>Physical Review Letters</i> , 2013 , 111, 050504	7.4	38
146	Amplification of realistic Schrödinger-cat-state-like states by homodyne heralding. <i>Physical Review A</i> , 2013 , 87,	2.6	38
145	Measurement-Induced Macroscopic Superposition States in Cavity Optomechanics. <i>Physical Review Letters</i> , 2016 , 117, 143601	7.4	37
144	Experimentally feasible quantum erasure-correcting code for continuous variables. <i>Physical Review Letters</i> , 2008 , 101, 130503	7.4	36
143	Demonstration of the spatial separation of the entangled quantum sidebands of an optical field. <i>Physical Review A</i> , 2005 , 71,	2.6	36
142	Quantum optical coherence can survive photon losses using a continuous-variable quantum erasure-correcting code. <i>Nature Photonics</i> , 2010 , 4, 700-705	33.9	35

141	Quantum enhanced feedback cooling of a mechanical oscillator using nonclassical light. <i>Nature Communications</i> , 2016 , 7, 13628	17.4	35
140	Quantum reconstruction of an intense polarization squeezed optical state. <i>Physical Review Letters</i> , 2007 , 99, 220401	7.4	34
139	Heralded source of bright multi-mode mesoscopic sub-Poissonian light. <i>Optics Letters</i> , 2016 , 41, 2149-52		34
138	Cloning of Gaussian states by linear optics. <i>Physical Review A</i> , 2006 , 73,	2.6	33
137	Observation of spatial quantum correlations induced by multiple scattering of nonclassical light. <i>Physical Review Letters</i> , 2009 , 102, 193901	7.4	32
136	Generation and controlled routing of single plasmons on a chip. <i>Nano Letters</i> , 2014 , 14, 663-9	11.5	31
135	Reply to VDiscrete and continuous variables for measurement-device-independent quantum cryptographyV <i>Nature Photonics</i> , 2015 , 9, 773-775	33.9	30
134	Optimised frequency modulation for continuous-wave optical magnetic resonance sensing using nitrogen-vacancy ensembles. <i>Optics Express</i> , 2017 , 25, 14809-14821	3.3	30
133	Continuous-variable quantum computing on encrypted data. <i>Nature Communications</i> , 2016 , 7, 13795	17.4	30
132	Coupling single emitters to quantum plasmonic circuits. <i>Nanophotonics</i> , 2016 , 5, 483-495	6.3	30
131	Boosting the secret key rate in a shared quantum and classical fibre communication system. <i>Communications Physics</i> , 2019 , 2,	5.4	30
130	Experimental demonstration of coherent state estimation with minimal disturbance. <i>Physical Review Letters</i> , 2006 , 96, 020409	7.4	29
129	Narrow-bandwidth sensing of high-frequency fields with continuous dynamical decoupling. <i>Nature Communications</i> , 2017 , 8, 1105	17.4	28
128	Witnessing effective entanglement in a continuous variable prepare-and-measure setup and application to a quantum key distribution scheme using postselection. <i>Physical Review A</i> , 2006 , 74,	2.6	27
127	Deterministic superresolution with coherent states at the shot noise limit. <i>Physical Review Letters</i> , 2013 , 111, 033603	7.4	26
126	Precision temperature sensing in the presence of magnetic field noise and vice-versa using nitrogen-vacancy centers in diamond. <i>Applied Physics Letters</i> , 2018 , 113, 013502	3.4	25
125	Assessing the polarization of a quantum field from stokes fluctuations. <i>Physical Review Letters</i> , 2010 , 105, 153602	7.4	25
124	Sub-shot-noise phase quadrature measurement of intense light beams. <i>Optics Letters</i> , 2004 , 29, 1936-8	3	25

123	Heralded generation of a micro-macro entangled state. <i>Physical Review A</i> , 2013 , 88,	2.6	24
122	Continuous-variable entanglement distillation of non-Gaussian mixed states. <i>Physical Review A</i> , 2010 , 82,	2.6	24
121	An efficient source of continuous variable polarization entanglement. <i>New Journal of Physics</i> , 2007 , 9, 410-410	2.9	24
120	Squeezing more from a quantum nondemolition measurement. <i>Physical Review A</i> , 2001 , 65,	2.6	23
119	Pump-Enhanced Continuous-Wave Magnetometry Using Nitrogen-Vacancy Ensembles. <i>Physical Review Applied</i> , 2017 , 8,	4.3	22
118	Probabilistic cloning of coherent states without a phase reference. <i>Physical Review A</i> , 2012 , 86,	2.6	22
117	Experimental test of the strongly nonclassical character of a noisy squeezed single-photon state. <i>Physical Review A</i> , 2012 , 86,	2.6	21
116	Practical purification scheme for decohered coherent-state superpositions via partial homodyne detection. <i>Physical Review A</i> , 2006 , 73,	2.6	21
115	Experimental purification of coherent states. <i>Physical Review A</i> , 2005 , 72,	2.6	20
114	Experimental demonstration of continuous variable quantum erasing. <i>Physical Review Letters</i> , 2004 , 93, 100403	7.4	19
113	Determining the internal quantum efficiency of shallow-implanted nitrogen-vacancy defects in bulk diamond. <i>Optics Express</i> , 2016 , 24, 27715-27725	3.3	19
112	Deterministic phase measurements exhibiting super-sensitivity and super-resolution. <i>Optica</i> , 2018 , 5, 60	8.6	18
111	Squeezed vacuum states from a whispering gallery mode resonator. <i>Optica</i> , 2019 , 6, 1375	8.6	18
110	Integrated source of broadband quadrature squeezed light. <i>Optics Express</i> , 2015 , 23, 12013-36	3.3	17
109	Coupling of a single quantum emitter to end-to-end aligned silver nanowires. <i>Applied Physics Letters</i> , 2013 , 102, 103106	3.4	17
108	Contributed Review: Camera-limits for wide-field magnetic resonance imaging with a nitrogen-vacancy spin sensor. <i>Review of Scientific Instruments</i> , 2018 , 89, 031501	1.7	16
107	Nitrogen-vacancy ensemble magnetometry based on pump absorption. <i>Physical Review B</i> , 2018 , 97,	3.3	16
106	Feedback-enhanced sensitivity in optomechanics: Surpassing the parametric instability barrier. <i>Physical Review A</i> , 2012 , 85,	2.6	16

105	Verifying continuous-variable entanglement of intense light pulses. <i>Physical Review A</i> , 2006 , 73,	2.6	16
104	Superiority of entangled measurements over all local strategies for the estimation of product coherent states. <i>Physical Review Letters</i> , 2007 , 98, 260404	7.4	16
103	Quantum-enhanced continuous-wave stimulated Raman scattering spectroscopy. <i>Optica</i> , 2020 , 7, 470	8.6	16
102	Gaussian error correction of quantum states in a correlated noisy channel. <i>Physical Review Letters</i> , 2013 , 111, 180502	7.4	15
101	Continuous Variable Quantum Key Distribution with a Noisy Laser. <i>Entropy</i> , 2015 , 17, 4654-4663	2.8	15
100	Generation of polarization squeezing with periodically poled KTP at 1064 nm. <i>Optics Express</i> , 2007 , 15, 5077-82	3.3	15
99	Photophysics of quantum emitters in hexagonal boron-nitride nano-flakes. <i>Optics Express</i> , 2020 , 28, 7475-7487	5.3	15
98	Ultrathin 2 nm gold as impedance-matched absorber for infrared light. <i>Nature Communications</i> , 2020 , 11, 2161	17.4	14
97	Cavity-Enhanced Photon Emission from a Single Germanium-Vacancy Center in a Diamond Membrane. <i>Physical Review Applied</i> , 2020 , 13,	4.3	14
96	Propagation of plasmons in designed single crystalline silver nanostructures. <i>Optics Express</i> , 2012 , 20, 24614-22	3.3	14
95	Experimental continuous-variable cloning of partial quantum information. <i>Physical Review A</i> , 2008 , 78,	2.6	14
94	Quantum filtering of optical coherent states. <i>Physical Review A</i> , 2008 , 78,	2.6	14
93	Squeezed-state purification with linear optics and feedforward. <i>Physical Review Letters</i> , 2006 , 97, 053601	7.4	14
92	Deterministic teleportation using single-photon entanglement as a resource. <i>Physical Review A</i> , 2012 , 85,	2.6	13
91	Polarization squeezing with photonic crystal fibers. <i>Laser Physics</i> , 2007 , 17, 559-566	1.2	13
90	Deterministic multi-mode gates on a scalable photonic quantum computing platform. <i>Nature Physics</i> , 2021 , 17, 1018-1023	16.2	13
89	Feasibility and resolution limits of opto-magnetic imaging of neural network activity in brain slices using color centers in diamond. <i>Scientific Reports</i> , 2018 , 8, 4503	4.9	12
88	Discrimination of optical coherent states using a photon number resolving detector. <i>Journal of Modern Optics</i> , 2010 , 57, 213-217	1.1	12

87	Detection of biological signals from a live mammalian muscle using an early stage diamond quantum sensor. <i>Scientific Reports</i> , 2021 , 11, 2412	4.9	12
86	Assessments of macroscopicity for quantum optical states. <i>Optics Communications</i> , 2015 , 337, 96-101	2	11
85	Tomography of a Feedback Measurement with Photon Detection. <i>Physical Review Letters</i> , 2020 , 124, 070502	7.4	11
84	Generation of picosecond pulsed coherent state superpositions. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014 , 31, 1192	1.7	11
83	Displacement-enhanced entanglement distillation of single-mode-squeezed entangled states. <i>Optics Express</i> , 2013 , 21, 6670-80	3.3	11
82	Experimental demonstration of macroscopic quantum coherence in Gaussian states. <i>Physical Review A</i> , 2007 , 76,	2.6	11
81	Squeezing and entanglement in doubly resonant, type II, second-harmonic generation. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2003 , 20, 1947	1.7	11
80	Single-quadrature continuous-variable quantum key distribution. <i>Quantum Information and Computation</i> , 2016 , 16, 1081-1095	0.9	11
79	Fault-Tolerant Continuous-Variable Measurement-based Quantum Computation Architecture. <i>PRX Quantum</i> , 2021 , 2,	6.1	11
78	Squeezing-enhanced measurement sensitivity in a cavity optomechanical system. <i>Annalen Der Physik</i> , 2015 , 527, 107-114	2.6	10
77	Coupling of single quantum emitters to plasmons propagating on mechanically etched wires. <i>Optics Letters</i> , 2013 , 38, 3838-41	3	10
76	Parsing polarization squeezing into Fock layers. <i>Physical Review A</i> , 2016 , 93,	2.6	9
75	Fiber-coupled EPR-state generation using a single temporally multiplexed squeezed light source. <i>Npj Quantum Information</i> , 2019 , 5,	8.6	9
74	Environment-assisted quantum-information correction for continuous variables. <i>Physical Review A</i> , 2010 , 81,	2.6	9
73	Optimization of a Diamond Nitrogen Vacancy Centre Magnetometer for Sensing of Biological Signals. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	9
72	Measurement-free preparation of grid states. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	9
71	Experimental Demonstration of a Quantum Receiver Beating the Standard Quantum Limit at Telecom Wavelength. <i>Physical Review Applied</i> , 2020 , 13,	4.3	8
70	A novel method for polarization squeezing with Photonic Crystal Fibers. <i>Optics Express</i> , 2010 , 18, 1521-73.3		8

69	Polarization squeezing and entanglement produced by a frequency doubler. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2003 , 5, S486-S491		8
68	Green bright squeezed light from a cw periodically poled KTP second harmonic generator. <i>Optics Express</i> , 2002 , 10, 887-92	3.3	8
67	Architecture and noise analysis of continuous-variable quantum gates using two-dimensional cluster states. <i>Physical Review A</i> , 2020 , 102,	2.6	7
66	Twin beam quantum-enhanced correlated interferometry for testing fundamental physics. <i>Communications Physics</i> , 2020 , 3,	5.4	7
65	Experimental determination of the degree of polarization of quantum states. <i>Physical Review A</i> , 2013 , 87,	2.6	7
64	Nonunity gain minimal-disturbance measurement. <i>Physical Review A</i> , 2007 , 76,	2.6	7
63	All-fibre source of amplitude squeezed light pulses. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S652-S657		7
62	Machine learning aided carrier recovery in continuous-variable quantum key distribution. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	7
61	Quantum optomechanical transducer with ultrashort pulses. <i>New Journal of Physics</i> , 2018 , 20, 083042	2.9	7
60	Experimental demonstration of squeezed-state quantum averaging. <i>Physical Review A</i> , 2010 , 82,	2.6	6
59	Continuous-wave spatial quantum correlations of light induced by multiple scattering. <i>Physical Review A</i> , 2012 , 86,	2.6	6
58	Guided acoustic wave Brillouin scattering in photonic crystal fibers. <i>Journal of Physics: Conference Series</i> , 2007 , 92, 012108	0.3	6
57	Deterministic generation of a four-component optical cat state. <i>Optics Letters</i> , 2020 , 45, 640-643	3	6
56	Unsuitability of cubic phase gates for non-Clifford operations on Gottesman-Kitaev-Preskill states. <i>Physical Review A</i> , 2021 , 103,	2.6	6
55	Tomography of a displacement photon counter for discrimination of single-rail optical qubits. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018 , 51, 085502	1.3	6
54	Record-High Secret Key Rate for Joint Classical and Quantum Transmission Over a 37-Core Fiber 2018 ,		6
53	Clock transition by continuous dynamical decoupling of a three-level system. <i>Scientific Reports</i> , 2018 , 8, 14807	4.9	6
52	Complete elimination of information leakage in continuous-variable quantum communication channels. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	6

51	Large Optical Nonlinearity of Surface Plasmon Modes on Thin Gold Films. <i>Plasmonics</i> , 2013 , 8, 1597-1605.	2.4	5
50	Optimal cloning of coherent states by linear optics. <i>Acta Physica Hungarica A Heavy Ion Physics</i> , 2006 , 26, 293-299		5
49	Homodyne-based quantum random number generator at 2.9 Gbps secure against quantum side-information. <i>Nature Communications</i> , 2021 , 12, 605	17.4	5
48	Ultra-coherent nanomechanical resonators based on inverse design. <i>Nature Communications</i> , 2021 , 12, 5766	17.4	5
47	Optimally cloned binary coherent states. <i>Physical Review A</i> , 2017 , 96,	2.6	4
46	Quantum cryptography with an ideal local relay 2015 ,		4
45	Highly-Sensitive Phase and Frequency Noise Measurement Technique Using Bayesian Filtering. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1866-1869	2.2	4
44	Increasing the photon collection rate from a single NV center with a silver mirror. <i>Journal of Optics (United Kingdom)</i> , 2014 , 16, 114017	1.7	4
43	Realistic limits on the nonlocality of an N-partite single-photon superposition. <i>Physical Review A</i> , 2011 , 84,	2.6	4
42	Electronic noise-free measurements of squeezed light. <i>Optics Letters</i> , 2008 , 33, 2395-7	3	4
41	Quantum nondemolition measurement with a nonclassical meter input and an electro-optic enhancement. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2002 , 4, S229-S237		4
40	Compact, low-threshold squeezed light source. <i>Optics Express</i> , 2019 , 27, 37877-37885	3.3	4
39	Quantum Receiver for Phase-Shift Keying at the Single-Photon Level. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
38	Correlation measurement of squeezed light. <i>Physical Review A</i> , 2009 , 79,	2.6	3
37	Chapter 6 Quantum Feed-Forward Control of Light. <i>Progress in Optics</i> , 2009 , 53, 365-414	3.4	3
36	Continuous variable entanglement between frequency modes. <i>Fortschritte Der Physik</i> , 2006 , 54, 846-855.	5.7	3
35	Continuous microwave hole burning and population oscillations in a diamond spin ensemble. <i>Physical Review B</i> , 2019 , 100,	3.3	3
34	Algebraic and algorithmic frameworks for optimized quantum measurements. <i>Physical Review A</i> , 2015 , 92,	2.6	2

33	ALL-FIBRE SOURCE OF CONTINUOUS VARIABLE ENTANGLED LIGHT. <i>International Journal of Modern Physics B</i> , 2006 , 20, 1280-1286	1.1	2
32	Optical amplification at the quantum limit. <i>Journal of Modern Optics</i> , 2007 , 54, 2351-2356	1.1	2
31	The Quantum Properties of Multimode Optical Amplifiers Revisited. <i>Advances in Atomic, Molecular and Optical Physics</i> , 2006 , 139-149	1.7	2
30	Four modes of optical parametric operation for squeezed state generation. <i>European Physical Journal D</i> , 2003 , 27, 181-191	1.3	2
29	Adaptive Generalized Measurement for Unambiguous State Discrimination of Quaternary Phase-Shift-Keying Coherent States. <i>PRX Quantum</i> , 2021 , 2,	6.1	2
28	Unconditional Preparation of Squeezed Vacuum from Rabi Interactions. <i>Physical Review Letters</i> , 2021 , 126, 153602	7.4	2
27	Recordings of Neural Magnetic Activity From the Auditory Brainstem Using Color Centers in Diamond: A Simulation Study. <i>Frontiers in Neuroscience</i> , 2021 , 15, 643614	5.1	2
26	Multiedge-type low-density parity-check codes for continuous-variable quantum key distribution. <i>Physical Review A</i> , 2021 , 103,	2.6	2
25	Modulation leakage vulnerability in continuous-variable quantum key distribution. <i>Quantum Science and Technology</i> , 2021 , 6, 045001	5.5	2
24	Towards an integrated squeezed light source 2017 ,		1
23	Co-Existence of 87 Mbit/s Quantum and 10 Gbit/s Classical Communications in 37-Core Fiber 2019 ,		1
22	Quadrature measurements of a bright squeezed state via sideband swapping. <i>Optics Letters</i> , 2009 , 34, 1186-8	3	1
21	Nonunity gain quantum nondemolition measurements based on measurement and reparation. <i>Optics Letters</i> , 2006 , 31, 2628-30	3	1
20	Quantum information processing in optical images. <i>Superlattices and Microstructures</i> , 2002 , 32, 323-329	2.8	1
19	Experimental Polarization Squeezing and Continuous Variable Entanglement via the Optical Kerr Effect 2007 , 233-263		1
18	Advancing classical and quantum communication systems with machine learning 2020 ,		1
17	Naturally Phase Matched Second Harmonic Generation in a Whispering Gallery Mode Resonator 2010 ,		1
16	Environment-assisted bosonic quantum communications. <i>Npj Quantum Information</i> , 2021 , 7,	8.6	1

- 15 Improved readout of qubit-coupled Gottesman-Kitaev-Preskill states. *Quantum Science and Technology*, **2021**, 6, 035016 5.5 1
- 14 Laser threshold magnetometry using green-light absorption by diamond nitrogen vacancies in an external cavity laser. *Physical Review A*, **2021**, 103, 2.6 1
- 13 Protocol for Generating Optical Gottesman-Kitaev-Preskill States with Cavity QED.. *Physical Review Letters*, **2022**, 128, 170503 7.4 1
- 12 Modelling a singly resonant, intracavity ring optical parametric oscillator. *Optics Communications*, **2003**, 216, 191-197 2 0
- 11 Magnetic Field Mapping Around Individual Magnetic Nanoparticle Agglomerates Using Nitrogen-Vacancy Centers in Diamond. *Particle and Particle Systems Characterization*, **2021**, 38, 2100011³⁻¹ 0
- 10 Universal Unitary Transfer of Continuous-Variable Quantum States into a Few Qubits.. *Physical Review Letters*, **2022**, 128, 110503 7.4 0
- 9 Quantum Fiber Solitons [Generation, Entanglement, and Detection **2005**, 425-442
- 8 Quantum-enhanced stimulated Raman scattering **2022**, 165-177
- 7 Accessing the Phase Quadrature of Intense Non-Classical Light State **2007**, 215-232
- 6 Experimental Quantum Cloning with Continuous Variables **2007**, 305-322
- 5 Coupling colloidal quantum dots to a dielectric slot-waveguide. *Journal of Physics Communications*, **2020**, 4, 085003 1.2
- 4 Nitrogen-vacancy defect emission spectra in the vicinity of an adjustable silver mirror. *Materials for Quantum Technology*, **2021**, 1, 015002
- 3 Correction: Jacobsen, C.S., et al. Continuous Variable Quantum Key Distribution with a Noisy Laser. *Entropy* 2015, 17, 4654-4663. *Entropy*, **2016**, 18, 373 2.8
- 2 Quantum Interferometry with Gaussian States **2016**, 777-798
- 1 Continuous Variable Quantum Communication with Gaussian States **2016**, 383-400