

William J Munro

List of Publications by Year in Descending Order

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

218
papers

12,666
citations

53
h-index

108
g-index

243
ext. papers

15,061
ext. citations

5.9
avg, IF

6.42
L-index

#	Paper	IF	Citations
218	Collective Effects in Hybrid Quantum Systems. <i>Quantum Science and Technology</i> , 2021 , 43-60	1.2	
217	Scalable and effective multi-level entangled photon states: a promising tool to boost quantum technologies. <i>Nanophotonics</i> , 2021 , 10, 4447-4465	6.3	0
216	Chimera Time-Crystalline Order in Quantum Spin Networks. <i>Physical Review Letters</i> , 2021 , 126, 120606	7.4	3
215	Practical limits of error correction for quantum metrology. <i>New Journal of Physics</i> , 2021 , 23, 043038	2.9	5
214	Quantum walks on a programmable two-dimensional 62-qubit superconducting processor. <i>Science</i> , 2021 , 372, 948-952	33.3	44
213	A simple low-latency real-time certifiable quantum random number generator. <i>Nature Communications</i> , 2021 , 12, 1056	17.4	3
212	Experimental Realization of Device-Independent Quantum Randomness Expansion. <i>Physical Review Letters</i> , 2021 , 126, 050503	7.4	8
211	Dephasing-induced growth of discrete time-crystalline order in spin networks. <i>Physical Review B</i> , 2021 , 104,	3.3	1
210	Perspective on witnessing entanglement in hybrid quantum systems. <i>Applied Physics Letters</i> , 2021 , 119, 110501	3.4	
209	Quantum teleportation of physical qubits into logical code spaces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	4
208	Decoding Quantum Error Correction Codes With Local Variation. <i>IEEE Transactions on Quantum Engineering</i> , 2020 , 1, 1-8	2.9	
207	Resource Reduction for Distributed Quantum Information Processing Using Quantum Multiplexed Photons. <i>Physical Review Letters</i> , 2020 , 124, 210503	7.4	3
206	One-way Transfer of Quantum States via Decoherence. <i>Journal of the Physical Society of Japan</i> , 2020 , 89, 044003	1.5	2
205	Quantum Process Tomography of a Controlled-Phase Gate for Time-Bin Qubits. <i>Physical Review Applied</i> , 2020 , 13,	4.3	4
204	Continuous-time quantum-walk spatial search on the Bollobás scale-free network. <i>Physical Review A</i> , 2020 , 101,	2.6	3
203	Quantum metamorphism. <i>Physical Review B</i> , 2020 , 102,	3.3	2
202	Topological pumping of quantum correlations. <i>Physical Review Research</i> , 2020 , 2,	3.9	3

201	Sequential nonabsorbing microwave single-photon detector. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
200	Simulating complex quantum networks with time crystals. <i>Science Advances</i> , 2020 , 6,	14.3	8
199	Ergodic-Localized Junctions in a Periodically Driven Spin Chain. <i>Physical Review Letters</i> , 2020 , 125, 170502,	3.4	10
198	Dissipative nonequilibrium synchronization of topological edge states via self-oscillation. <i>Physical Review B</i> , 2020 , 102,	3.3	2
197	Cloning of Quantum Entanglement. <i>Physical Review Letters</i> , 2020 , 125, 210502	7.4	2
196	Effective Compression of Quantum Braided Circuits Aided by ZX-Calculus. <i>Physical Review X</i> , 2020 , 10,	9.1	5
195	Using Dark States to Charge and Stabilize Open Quantum Batteries. <i>Physical Review Applied</i> , 2020 , 14,	4.3	32
194	Roadmap on all-optical processing. <i>Journal of Optics (United Kingdom)</i> , 2019 , 21, 063001	1.7	63
193	Electron paramagnetic resonance spectroscopy using a single artificial atom. <i>Communications Physics</i> , 2019 , 2,	5.4	14
192	Universal N-Partite d-Level Pure-State Entanglement Witness Based on Realistic Measurement Settings. <i>Physical Review Letters</i> , 2019 , 122, 120501	7.4	4
191	Generation and Processing of Complex Photon States With Quantum Frequency Combs. <i>IEEE Photonics Technology Letters</i> , 2019 , 31, 1862-1865	2.2	2
190	Quantum multiplexing. <i>Physical Review A</i> , 2019 , 99,	2.6	7
189	Quantum optical microcombs. <i>Nature Photonics</i> , 2019 , 13, 170-179	33.9	115
188	Quantum remote sensing with asymmetric information gain. <i>Physical Review A</i> , 2019 , 99,	2.6	6
187	High-dimensional one-way quantum processing implemented on d-level cluster states. <i>Nature Physics</i> , 2019 , 15, 148-153	16.2	73
186	Quantum Metrology beyond the Classical Limit under the Effect of Dephasing. <i>Physical Review Letters</i> , 2018 , 120, 140501	7.4	15
185	Relaxation to Negative Temperatures in Double Domain Systems. <i>Physical Review Letters</i> , 2018 , 120, 060403	7.4	13
184	Phonon-bottlenecked spin relaxation of Er ³⁺ :Y ₂ SiO ₅ at sub-kelvin temperatures. <i>Applied Physics Express</i> , 2018 , 11, 043002	2.4	7

183	Environmental engineering for quantum energy transport. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	13
182	Test of Local Realism into the Past without Detection and Locality Loopholes. <i>Physical Review Letters</i> , 2018 , 121, 080404	7.4	31
181	Spatial search on a two-dimensional lattice with long-range interactions. <i>Physical Review A</i> , 2018 , 97,	2.6	3
180	Electron paramagnetic resonance spectroscopy of Er ³⁺ :Y ₂ SiO ₅ using a Josephson bifurcation amplifier: Observation of hyperfine and quadrupole structures. <i>Physical Review Materials</i> , 2018 , 2,	3.2	8
179	An efficient and compact switch for quantum circuits. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	24
178	Versatile relative entropy bounds for quantum networks. <i>New Journal of Physics</i> , 2018 , 20, 013033	2.9	23
177	Making the most of time in quantum metrology: concurrent state preparation and sensing. <i>Quantum Science and Technology</i> , 2018 , 3, 035007	5.5	7
176	Ergodic-localized junctions in periodically driven systems. <i>Physical Review B</i> , 2018 , 98,	3.3	5
175	Negative-temperature-state relaxation and reservoir-assisted quantum entanglement in double-spin-domain systems. <i>Physical Review A</i> , 2018 , 98,	2.6	2
174	Repeaters for continuous-variable quantum communication. <i>Physical Review A</i> , 2018 , 98,	2.6	18
173	Characterizing twin-particle entanglement in double-well potentials. <i>Physical Review A</i> , 2018 , 98,	2.6	11
172	Device-independent quantum random-number generation. <i>Nature</i> , 2018 , 562, 548-551	50.4	88
171	Superradiant emission from colour centres in diamond. <i>Nature Physics</i> , 2018 , 14, 1168-1172	16.2	55
170	Robust quantum sensing with strongly interacting probe systems. <i>Npj Quantum Information</i> , 2018 , 4,	8.6	3
169	Measurement-device-independent quantum key distribution with nitrogen vacancy centers in diamond. <i>Physical Review A</i> , 2017 , 95,	2.6	16
168	High-fidelity spin measurement on the nitrogen-vacancy center. <i>New Journal of Physics</i> , 2017 , 19, 103002.	2.9	8
167	Ultralong relaxation times in bistable hybrid quantum systems. <i>Science Advances</i> , 2017 , 3, e1701626	14.3	25
166	Memory-assisted quantum key distribution with a single nitrogen-vacancy center. <i>Physical Review A</i> , 2017 , 96,	2.6	18

165	Generation of entangled photons using an arrayed waveguide grating. <i>Journal of Optics (United Kingdom)</i> , 2017 , 19, 124005	1.7	3
164	Noise management to achieve superiority in quantum information systems. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2017 , 375,	3	2
163	Spectral hole burning and its application in microwave photonics. <i>Nature Photonics</i> , 2017 , 11, 36-39	33.9	30
162	Photonic Quantum Networks formed from NV(-) centers. <i>Scientific Reports</i> , 2016 , 6, 26284	4.9	33
161	Some implications of superconducting quantum interference to the application of master equations in engineering quantum technologies. <i>Physical Review B</i> , 2016 , 94,	3.3	2
160	Observation of Collective Coupling between an Engineered Ensemble of Macroscopic Artificial Atoms and a Superconducting Resonator. <i>Physical Review Letters</i> , 2016 , 117, 210503	7.4	50
159	Wigner Functions for Arbitrary Quantum Systems. <i>Physical Review Letters</i> , 2016 , 117, 180401	7.4	68
158	A strict experimental test of macroscopic realism in a superconducting flux qubit. <i>Nature Communications</i> , 2016 , 7, 13253	17.4	73
157	Enhancing a phase measurement by sequentially probing a solid-state system. <i>Nature Communications</i> , 2016 , 7, 11521	17.4	2
156	A hybrid-systems approach to spin squeezing using a highly dissipative ancillary system. <i>New Journal of Physics</i> , 2016 , 18, 053011	2.9	17
155	Quantum metrology including state preparation and readout times. <i>Physical Review A</i> , 2016 , 94,	2.6	9
154	Electron paramagnetic resonance spectroscopy using a direct current-SQUID magnetometer directly coupled to an electron spin ensemble. <i>Applied Physics Letters</i> , 2016 , 108, 052601	3.4	14
153	Leggett-Garg inequality violations with a large ensemble of qubits. <i>Physical Review A</i> , 2016 , 94,	2.6	32
152	Optical circulators reach the quantum level. <i>Science</i> , 2016 , 354, 1532	33.3	
151	Optically detected magnetic resonance of high-density ensemble of NV centers in diamond. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 275302	1.8	23
150	Improving the lifetime of the nitrogen-vacancy-center ensemble coupled with a superconducting flux qubit by applying magnetic fields. <i>Physical Review A</i> , 2015 , 91,	2.6	17
149	Inside Quantum Repeaters. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015 , 21, 78-90	3.8	104
148	Improving the coherence time of a quantum system via a coupling to a short-lived system. <i>Physical Review Letters</i> , 2015 , 114, 120501	7.4	20

147	Analysis of the spectroscopy of a hybrid system composed of a superconducting flux qubit and diamond NV(-) centers. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 345702	1.8	0
146	Optimal Trotterization in universal quantum simulators under faulty control. <i>Physical Review A</i> , 2015 , 91,	2.6	12
145	Scalable quantum computation architecture using always-on Ising interactions via quantum feedforward. <i>Physical Review A</i> , 2015 , 91,	2.6	2
144	Fisher information versus signal-to-noise ratio for a split detector. <i>Physical Review A</i> , 2015 , 92,	2.6	5
143	Proposed Robust Entanglement-Based Magnetic Field Sensor Beyond the Standard Quantum Limit. <i>Physical Review Letters</i> , 2015 , 115, 170801	7.4	35
142	Spin Amplification in an Inhomogeneous System. <i>Journal of the Physical Society of Japan</i> , 2015 , 84, 1030015		1
141	Absorption-based quantum communication with NV centres. <i>New Journal of Physics</i> , 2015 , 17, 103012	2.9	6
140	All-photonic intercity quantum key distribution. <i>Nature Communications</i> , 2015 , 6, 10171	17.4	41
139	Evidence for the conjecture that sampling generalized cat states with linear optics is hard. <i>Physical Review A</i> , 2015 , 91,	2.6	19
138	High-fidelity gate operations with the coupled nuclear and electron spins of a nitrogen-vacancy center in diamond. <i>Physical Review A</i> , 2014 , 89,	2.6	6
137	Effect of multimode entanglement on lossy optical quantum metrology. <i>Physical Review A</i> , 2014 , 90,	2.6	20
136	Observation of dark states in a superconductor diamond quantum hybrid system. <i>Nature Communications</i> , 2014 , 5, 3424	17.4	30
135	Attaining subclassical metrology in lossy systems with entangled coherent states. <i>Physical Review A</i> , 2014 , 89,	2.6	18
134	Coherent control of an NV center with one adjacent ¹³ C. <i>New Journal of Physics</i> , 2014 , 16, 093043	2.9	6
133	On-chip generation and demultiplexing of quantum correlated photons using a silicon-silica monolithic photonic integration platform. <i>Optics Express</i> , 2014 , 22, 22831-40	3.3	24
132	Photonic Architecture for Scalable Quantum Information Processing in Diamond. <i>Physical Review X</i> , 2014 , 4,	9.1	85
131	Quantum error correction for beginners. <i>Reports on Progress in Physics</i> , 2013 , 76, 076001	14.4	195
130	Requirements for fault-tolerant factoring on an atom-optics quantum computer. <i>Nature Communications</i> , 2013 , 4, 2524	17.4	42

129	An on-chip coupled resonator optical waveguide single-photon buffer. <i>Nature Communications</i> , 2013 , 4, 2725	17.4	47
128	Towards realizing a quantum memory for a superconducting qubit: storage and retrieval of quantum states. <i>Physical Review Letters</i> , 2013 , 111, 107008	7.4	83
127	High-threshold topological quantum error correction against biased noise. <i>Physical Review A</i> , 2013 , 88,	2.6	17
126	Hybrid-system approach to fault-tolerant quantum communication. <i>Physical Review A</i> , 2013 , 87,	2.6	17
125	Quantum communication without the necessity of quantum memories. <i>Nature Photonics</i> , 2012 , 6, 777-781,	35.9	145
124	Quantum metrology for nonlinear phase shifts with entangled coherent states. <i>Physical Review A</i> , 2012 , 86,	2.6	61
123	A monolithically integrated polarization entangled photon pair source on a silicon chip. <i>Scientific Reports</i> , 2012 , 2, 817	4.9	98
122	Layer-by-layer generation of cluster states. <i>Physical Review A</i> , 2012 , 85,	2.6	10
121	Overcoming decoherence in the collapse and revival of spin Schrödinger-cat states. <i>Physical Review A</i> , 2012 , 85,	2.6	5
120	Coherent coupling of a superconducting flux qubit to an electron spin ensemble in diamond. <i>Nature</i> , 2011 , 478, 221-4	50.4	321
119	Ancilla-based quantum simulation. <i>New Journal of Physics</i> , 2011 , 13, 095007	2.9	13
118	Quantum metrology with entangled coherent states. <i>Physical Review Letters</i> , 2011 , 107, 083601	7.4	260
117	Superconducting qubit as a quantum transformer routing entanglement between a microscopic quantum memory and a macroscopic resonator. <i>Physical Review B</i> , 2011 , 84,	3.3	8
116	Efficient quantum computing using coherent photon conversion. <i>Nature</i> , 2011 , 478, 360-3	50.4	80
115	Integration of highly probabilistic sources into optical quantum architectures: perpetual quantum computation. <i>New Journal of Physics</i> , 2011 , 13, 095001	2.9	6
114	Quantum tagging: Authenticating location via quantum information and relativistic signaling constraints. <i>Physical Review A</i> , 2011 , 84,	2.6	58
113	Reduce, reuse, recycle for robust cluster-state generation. <i>Physical Review A</i> , 2011 , 83,	2.6	22
112	From quantum multiplexing to high-performance quantum networking. <i>Nature Photonics</i> , 2010 , 4, 792-796,	35.9	110

111	CLASSICAL PROCESSING REQUIREMENTS FOR A TOPOLOGICAL QUANTUM COMPUTING SYSTEM. <i>International Journal of Quantum Information</i> , 2010 , 08, 121-147	0.8	20
110	CONSTRUCTING 2D AND 3D CLUSTER STATES WITH PHOTONIC MODULES. <i>International Journal of Quantum Information</i> , 2010 , 08, 149-159	0.8	4
109	Entanglement is not a critical resource for quantum metrology. <i>Physical Review A</i> , 2010 , 81,	2.6	34
108	Quantum analogue computing. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010 , 368, 3609-20	3	25
107	Using Quantum Computers for Quantum Simulation. <i>Entropy</i> , 2010 , 12, 2268-2307	2.8	78
106	Intracavity weak nonlinear phase shifts with single photon driving. <i>Optics Communications</i> , 2010 , 283, 741-746	2	8
105	Quantum measurement with chaotic apparatus. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 2809-2815	2.3	9
104	Quantum repeater with encoding. <i>Physical Review A</i> , 2009 , 79,	2.6	157
103	Pulse shaping by coupled cavities: Single photons and qudits. <i>Physical Review A</i> , 2009 , 80,	2.6	12
102	Architectural design for a topological cluster state quantum computer. <i>New Journal of Physics</i> , 2009 , 11, 083032	2.9	74
101	Single photon quantum non-demolition measurements in the presence of inhomogeneous broadening. <i>New Journal of Physics</i> , 2009 , 11, 093005	2.9	12
100	Quantum-classical crossover of a field mode. <i>Physical Review A</i> , 2009 , 79,	2.6	21
99	Generalized Toffoli gates using qudit catalysis. <i>Physical Review A</i> , 2009 , 80,	2.6	35
98	System Design for a Long-Line Quantum Repeater. <i>IEEE/ACM Transactions on Networking</i> , 2009 , 17, 1002-1013	3.8	79
97	Proposed entanglement beam splitter using a quantum-dot spin in a double-sided optical microcavity. <i>Physical Review B</i> , 2009 , 80,	3.3	167
96	Spectral effects of strong (\mathbb{Z}) nonlinearity for quantum processing. <i>Physical Review A</i> , 2009 , 79,	2.6	8
95	Giant optical Faraday rotation induced by a single-electron spin in a quantum dot: Applications to entangling remote spins via a single photon. <i>Physical Review B</i> , 2008 , 78,	3.3	243
94	High-bandwidth hybrid quantum repeater. <i>Physical Review Letters</i> , 2008 , 101, 040502	7.4	54

93	Quantum repeaters using coherent-state communication. <i>Physical Review A</i> , 2008 , 78,	2.6	65
92	Generalized parity measurements. <i>Physical Review A</i> , 2008 , 78,	2.6	20
91	Deterministic optical quantum computer using photonic modules. <i>Physical Review A</i> , 2008 , 78,	2.6	37
90	High-speed quantum gates with cavity quantum electrodynamics. <i>Physical Review A</i> , 2008 , 78,	2.6	38
89	Arithmetic on a distributed-memory quantum multicomputer. <i>ACM Journal on Emerging Technologies in Computing Systems</i> , 2008 , 3, 1-23	1.7	31
88	Hybrid quantum computation in quantum optics. <i>Physical Review A</i> , 2008 , 78,	2.6	50
87	Loss in hybrid qubit-bus couplings and gates. <i>Physical Review A</i> , 2008 , 78,	2.6	39
86	Deterministic photon entangler using a charged quantum dot inside a microcavity. <i>Physical Review B</i> , 2008 , 78,	3.3	159
85	Photonic module: An on-demand resource for photonic entanglement. <i>Physical Review A</i> , 2007 , 76,	2.6	58
84	Linear optical quantum computing with photonic qubits. <i>Reviews of Modern Physics</i> , 2007 , 79, 135-174	40.5	1596
83	The efficiencies of generating cluster states with weak nonlinearities. <i>New Journal of Physics</i> , 2007 , 9, 193-193	2.9	67
82	Error tolerance and tradeoffs in loss- and failure-tolerant quantum computing schemes. <i>Physical Review A</i> , 2007 , 75,	2.6	12
81	Weak nonlinearities and cluster states. <i>Physical Review A</i> , 2007 , 75,	2.6	37
80	Stabilizer quantum error correction with quantum bus computation. <i>Physical Review A</i> , 2007 , 76,	2.6	5
79	Secure self-calibrating quantum random-bit generator. <i>Physical Review A</i> , 2007 , 75,	2.6	51
78	Towards a quantum information technology industry. <i>Journal of Physics Condensed Matter</i> , 2006 , 18, V1-V10	1.8	8
77	Low cost and compact quantum key distribution. <i>New Journal of Physics</i> , 2006 , 8, 249-249	2.9	50
76	Practical limitations in optical entanglement purification. <i>Physical Review A</i> , 2006 , 73,	2.6	6

75	Hybrid quantum repeater using bright coherent light. <i>Physical Review Letters</i> , 2006 , 96, 240501	7.4	208
74	Implementing nonprojective measurements via linear optics: An approach based on optimal quantum-state discrimination. <i>Physical Review A</i> , 2006 , 73,	2.6	1
73	Feed-forward and its role in conditional linear optical quantum dynamics. <i>Physical Review A</i> , 2006 , 73,	2.6	9
72	Quantum error correction via robust probe modes. <i>Physical Review A</i> , 2006 , 73,	2.6	16
71	Hybrid quantum repeater based on dispersive CQED interactions between matter qubits and bright coherent light. <i>New Journal of Physics</i> , 2006 , 8, 184-184	2.9	125
70	Quantum computation by communication. <i>New Journal of Physics</i> , 2006 , 8, 30-30	2.9	160
69	Weak nonlinearities: a new route to optical quantum computation. <i>New Journal of Physics</i> , 2005 , 7, 137-137	2.3	262
68	An introduction to quantum information processing: applications and realizations. <i>Contemporary Physics</i> , 2005 , 46, 407-436	3.3	52
67	High-efficiency quantum-nondemolition single-photon-number-resolving detector. <i>Physical Review A</i> , 2005 , 71,	2.6	175
66	Symmetry analyzer for nondestructive Bell-state detection using weak nonlinearities. <i>Physical Review A</i> , 2005 , 71,	2.6	257
65	Universal quantum computation on the power of quantum non-demolition measurements. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2005 , 344, 104-110	2.3	29
64	Efficient optical quantum information processing. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005 , 7, S135-S140		49
63	Comment on "measuring a photonic qubit without destroying it. <i>Physical Review Letters</i> , 2005 , 95, 048901; author reply 048902	7.4	5
62	Schrödinger cats and their power for quantum information processing. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S828-S833		110
61	Entanglement generation in persistent current qubits. <i>Physical Review B</i> , 2004 , 70,	3.3	9
60	Radiative corrections and quantum gates in molecular systems. <i>Physical Review Letters</i> , 2004 , 93, 250501	7.4	13
59	Measures of entanglement in multipartite bound entangled states. <i>Physical Review A</i> , 2004 , 70,	2.6	29
58	Nonclassicality and information exchange in deterministic entanglement formation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 320, 352-359	2.3	11

57	Applications of coherent population transfer to quantum information processing. <i>Journal of Modern Optics</i> , 2004 , 51, 1559-1601	1.1	20
56	Applications of electromagnetically induced transparency to quantum information processing. <i>Journal of Modern Optics</i> , 2004 , 51, 2441-2448	1.1	42
55	Nearly deterministic linear optical controlled-NOT gate. <i>Physical Review Letters</i> , 2004 , 93, 250502	7.4	517
54	Measurement and State Preparation via Ion Trap Quantum Computing 2004 , 85-93		
53	Maximal entanglement versus entropy for mixed quantum states. <i>Physical Review A</i> , 2003 , 67,	2.6	229
52	Quantum teleportation of optical quantum gates. <i>Physical Review Letters</i> , 2003 , 90, 117901	7.4	45
51	Measurement-induced nonlinearity in linear optics. <i>Physical Review A</i> , 2003 , 68,	2.6	45
50	Input states for quantum gates. <i>Physical Review A</i> , 2003 , 67,	2.6	5
49	Quantum computation with optical coherent states. <i>Physical Review A</i> , 2003 , 68,	2.6	429
48	Entanglement creation using quantum interrogation. <i>Physical Review A</i> , 2002 , 66,	2.6	7
47	Experimentally realizable characterizations of continuous-variable Gaussian states. <i>Physical Review A</i> , 2002 , 66,	2.6	39
46	Qudit quantum-state tomography. <i>Physical Review A</i> , 2002 , 66,	2.6	203
45	Weak-force detection with superposed coherent states. <i>Physical Review A</i> , 2002 , 66,	2.6	117
44	Decoherence of geometric phase gates. <i>Physical Review A</i> , 2002 , 65,	2.6	69
43	Violation of multiparticle Bell inequalities for low- and high-flux parametric amplification using both vacuum and entangled input states. <i>Physical Review A</i> , 2002 , 66,	2.6	27
42	Quantum computation based on linear optics 2002 , 4917, 1		28
41	Bounds on entanglement in qudit subsystems. <i>Physical Review A</i> , 2002 , 66,	2.6	32
40	The Bell inequality: a measure of entanglement?. <i>Journal of Modern Optics</i> , 2001 , 48, 1239-1246	1.1	31

39	Exploring Hilbert space: Accurate characterization of quantum information. <i>Physical Review A</i> , 2001 , 65,	2.6	86
38	Simple scheme for efficient linear optics quantum gates. <i>Physical Review A</i> , 2001 , 65,	2.6	136
37	Maximizing the entanglement of two mixed qubits. <i>Physical Review A</i> , 2001 , 64,	2.6	199
36	Measurement of qubits. <i>Physical Review A</i> , 2001 , 64,	2.6	1214
35	Mixed state entanglement: Manipulating polarization-entangled photons. <i>Physical Review A</i> , 2001 , 64,	2.6	16
34	Qudit Entanglement 2001 , 149-164		11
33	Maximally Entangled Mixed States and the Bell Inequality. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2001 , 56, 152-154	1.4	
32	Verifying Atom Entanglement Schemes by Testing Bell's Inequality. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2001 , 56, 27-34	1.4	
31	Signatures of the pair-coherent state. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 47-52		17
30	Upper bound on the region of separable states near the maximally mixed state. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 225-229		7
29	Kerr noise reduction and squeezing. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2000 , 2, 553-561		12
28	Information transfer and fidelity in quantum copiers. <i>Physical Review A</i> , 2000 , 61,	2.6	12
27	Quantum dynamics of three coupled atomic Bose-Einstein condensates. <i>Physical Review A</i> , 2000 , 63,	2.6	72
26	Teleportation using coupled oscillator states. <i>Physical Review A</i> , 2000 , 62,	2.6	46
25	Quantum computation with mesoscopic superposition states. <i>Physical Review A</i> , 2000 , 61,	2.6	32
24	Quantum copying can increase the practically available information. <i>Physical Review A</i> , 2000 , 62,	2.6	5
23	Proposal for the measurement of bell-type correlations from continuous variables. <i>Physical Review Letters</i> , 2000 , 85, 2035-9	7.4	39
22	Bell's inequality test with entangled atoms. <i>Physical Review A</i> , 2000 , 62,	2.6	25

21	Disagreement between correlations of quantum mechanics and stochastic electrodynamics in the damped parametric oscillator. <i>Physical Review A</i> , 2000 , 62,	2.6	9
20	Entangled coherent-state qubits in an ion trap. <i>Physical Review A</i> , 2000 , 62,	2.6	103
19	Discrete phase measurements and the Bell inequality. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 1999 , 1, 655-661		
18	Optimal states for Bell-inequality violations using quadrature-phase homodyne measurements. <i>Physical Review A</i> , 1999 , 59, 4197-4201	2.6	53
17	Improving detectors using entangling quantum copiers. <i>Physical Review A</i> , 1999 , 61,	2.6	8
16	Macroscopically distinct quantum-superposition states as a bosonic code for amplitude damping. <i>Physical Review A</i> , 1999 , 59, 2631-2634	2.6	211
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