

# Barry C Sanders

## List of Publications by Year in descending order

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402  
papers

16,614  
citations

14655

66  
h-index

19749

117  
g-index

414  
all docs

414  
docs citations

414  
times ranked

8463  
citing authors

#	ARTICLE	IF	CITATIONS
1	Observing a changing Hilbert-space inner product. Physical Review Research, 2022, 4, .	3.6	4
2	Generalized interference of fermions and bosons. Physical Review Research, 2022, 4, .	3.6	1
3	Topological graph states and quantum error-correction codes. Physical Review A, 2022, 105, .	2.5	5
4	Nonlinear quantum gates for a Bose-Einstein condensate. Physical Review Research, 2022, 4, .	3.6	5
5	Optimal tests for continuous-variable quantum teleportation and photodetectors. Physical Review Research, 2022, 4, .	3.6	4
6	Sparse interferometry for measuring multiphoton collective phase. Physical Review Research, 2022, 4, .	3.6	1
7	Tight bound for estimating expectation values from a system of linear equations $\hat{A}$ . Physical Review Research, 2022, 4, .	3.6	1
8	Nearly Optimal Quantum Algorithm for Generating the Ground State of a Free Quantum Field Theory. PRX Quantum, 2022, 3, .	9.2	2
9	Squeezed comb states. Physical Review A, 2021, 103, .	2.5	9
10	Sub-Planck structures: Analogies between the Heisenberg-Weyl and SU(2) groups. Physical Review A, 2021, 103, .	2.5	8
11	Microwave-driven generation and group delay control of optical pulses from an ultra-dilute atomic ensemble. Optics Express, 2021, 29, 15940.	3.4	3
12	Broadband quantum memory in a cavity via zero spectral dispersion. New Journal of Physics, 2021, 23, 063071.	2.9	9
13	Channel discord and distortion. New Journal of Physics, 2021, 23, 083025.	2.9	0
14	Criticality in two-mode interferometers. Physical Review A, 2020, 102, .	2.5	3
15	Cloning of Quantum Entanglement. Physical Review Letters, 2020, 125, 210502.	7.8	7
16	Qudits and High-Dimensional Quantum Computing. Frontiers in Physics, 2020, 8, .	2.1	149
17	qkdSim, a Simulation Toolkit for Quantum Key Distribution Including Imperfections: Performance Analysis and Demonstration of the B92 Protocol Using Heralded Photons. Physical Review Applied, 2020, 14, .	3.8	13
18	Creating deterministic collisions between two orbiting bodies. Physical Review A, 2020, 102, .	2.5	0

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19	Analog-Quantum Feature Mapping for Machine-Learning Applications. Physical Review Applied, 2020, 14, .	3.8	7
20	Symmetric Rydberg controlled- $Z$ gates with adiabatic pulses. Physical Review A, 2020, 101, .	2.5	59
21	Interferometrically estimating a quadratic form for any immanant of a matrix and its permutations. Physical Review A, 2020, 101, .	2.5	1
22	Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. New Journal of Physics, 2020, 22, 033008.	2.9	10
23	Two-colour interferometry and switching through optomechanical dark mode excitation. Nature Communications, 2020, 11, 2208.	12.8	25
24	Experimental quantum cloning in a pseudo-unitary system. Physical Review A, 2020, 101, .	2.5	24
25	Experimental Demonstration of Quantum Fully Homomorphic Encryption with Application in a Two-Party Secure Protocol. Physical Review X, 2020, 10, .	8.9	6
26	Randomized benchmarking for qudit Clifford gates. New Journal of Physics, 2020, 22, 063014.	2.9	10
27	Quasi-fine-grained uncertainty relations. New Journal of Physics, 2020, 22, 073063.	2.9	7
28	Nonlinear frequency conversions via weak surface polaritonic wave breaking in a hybrid plasmonic waveguide. Optics Letters, 2020, 45, 5432.	3.3	8
29	Demonstration of an Exponential Advantage in Communication Complexity via the Quantum Switch. , 2020, , .		0
30	Multiple uncertainty relation for accelerated quantum information. Physical Review D, 2020, 102, .	4.7	4
31	Building a quantum computer (invited). , 2020, , .		0
32	Topological quantum walks: Theory and experiments. Frontiers of Physics, 2019, 14, 1.	5.0	12
33	Near-100% two-photon-like coincidence-visibility dip with classical light and the role of complementarity. Physical Review A, 2019, 100, .	2.5	12
34	Robustness of quantum-enhanced adaptive phase estimation. Physical Review A, 2019, 100, .	2.5	18
35	Continuous-variable ramp quantum secret sharing with Gaussian states and operations. New Journal of Physics, 2019, 21, 113023.	2.9	8
36	Efficient verification of bosonic quantum channels via benchmarking. New Journal of Physics, 2019, 21, 073026.	2.9	8

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37	Quantum tetrachotomous states: Superposition of four coherent states on a line in phase space. Physical Review A, 2019, 99, .	2.5	8
38	Observation of emergent momentumâ€time skyrmions in parityâ€time-symmetric non-unitary quench dynamics. Nature Communications, 2019, 10, 2293.	12.8	81
39	Polaritonic frequency-comb generation and breather propagation in a negative-index metamaterial with a cold four-level atomic medium. Physical Review A, 2019, 99, .	2.5	18
40	Experimental Quantum Switching for Exponentially Superior Quantum Communication Complexity. Physical Review Letters, 2019, 122, 120504.	7.8	82
41	Double-slit interferometry as a lossy beam splitter. New Journal of Physics, 2019, 21, 113022.	2.9	6
42	Phase-sensitive amplification of an optical field using microwaves. Optics Express, 2019, 27, 32111.	3.4	9
43	Spectral singularities of a potential created by two coupled microring resonators. Optics Letters, 2019, 44, 2024.	3.3	1
44	Enter the machine. Nature Physics, 2018, 14, 432-433.	16.7	4
45	Entanglement-enhanced quantum metrology in a noisy environment. Physical Review A, 2018, 97, .	2.5	50
46	<i>Ab initio</i> characterization of coupling strength for all types of dangling-bond pairs on the hydrogen-terminated Si(100)-2 $\times$ 1 surface. Journal of Chemical Physics, 2018, 148, 154701.	3.0	4
47	Quantum walk on a chimera graph. New Journal of Physics, 2018, 20, 053039.	2.9	3
48	Fault-tolerant conversion between adjacent Reedâ€Muller quantum codes based on gauge fixing. Journal of Physics A: Mathematical and Theoretical, 2018, 51, 115305.	2.1	7
49	Quantum control for high-fidelity multi-qubit gates. New Journal of Physics, 2018, 20, 113009.	2.9	19
50	Higher winding number in a nonunitary photonic quantum walk. Physical Review A, 2018, 98, .	2.5	37
51	Uncover Topology by Quantum Quench Dynamics. Physical Review Letters, 2018, 121, 250403.	7.8	114
52	State-independent uncertainty relations. Physical Review A, 2018, 98, .	2.5	15
53	Observation of Topologically Protected Edge States in a Photonic Two-Dimensional Quantum Walk. Physical Review Letters, 2018, 121, 100502.	7.8	86
54	Reinforcement Learning for Quantum Metrology via Quantum Control. , 2018, , .		2

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55	Efficient code for relativistic quantum summoning. New Journal of Physics, 2018, 20, 063052.	2.9	6
56	Coincidence landscapes for polarized bosons. Physical Review A, 2018, 98, .	2.5	4
57	Excitation and propagation of surface polaritonic rogue waves and breathers. Physical Review A, 2018, 98, .	2.5	19
58	Permutational symmetries for coincidence rates in multimode multiphotonic interferometry. Physical Review A, 2018, 97, .	2.5	8
59	Quantification and manipulation of magic states. Physical Review A, 2018, 97, .	2.5	24
60	Reinforcement Learning for Adaptive Optical Quantum-Enhanced Metrology. , 2018, , .		0
61	Learning in quantum control: High-dimensional global optimization for noisy quantum dynamics. Neurocomputing, 2017, 268, 116-126.	5.9	68
62	Unity-Efficiency Parametric Down-Conversion via Amplitude Amplification. Physical Review Letters, 2017, 118, 123601.	7.8	6
63	Cooperative light scattering in any dimension. Physical Review A, 2017, 95, .	2.5	6
64	Relativistic (2,3)-threshold quantum secret sharing. Physical Review D, 2017, 96, .	4.7	12
65	Detecting Topological Invariants in Nonunitary Discrete-Time Quantum Walks. Physical Review Letters, 2017, 119, 130501.	7.8	145
66	Decomposition of split-step quantum walks for simulating Majorana modes and edge states. Physical Review A, 2017, 95, .	2.5	11
67	Journeys from quantum optics to quantum technology. Progress in Quantum Electronics, 2017, 54, 19-45.	7.0	41
68	Observation of topological edge states in parityâ€time-symmetric quantum walks. Nature Physics, 2017, 13, 1117-1123.	16.7	421
69	Strong Coherent Light Amplification with Double Electromagnetically Induced Transparency Coherences. Scientific Reports, 2017, 7, 5796.	3.3	17
70	Demonstration of a high-contrast optical switching in an atomic Delta system. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 165502.	1.5	7
71	Experimental Blind Quantum Computing for a Classical Client. Physical Review Letters, 2017, 119, 050503.	7.8	68
72	Characterization of surface-plasmon polaritons at lossy interfaces. Journal of Optics (United Kingdom), 2017, 20, 1701001.	2.2	12

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73	Detecting Topological Transitions in Two Dimensions by Hamiltonian Evolution. Physical Review Letters, 2017, 119, 197401.	7.8	7
74	Experimental quantum channel simulation. Physical Review A, 2017, 95, .	2.5	24
75	Robustness of learning-assisted adaptive quantum-enhanced metrology in the presence of noise. , 2017, , .		2
76	Loophole-Free Bell Tests and the Falsification of Local Realism. Canadian Young Scientist Journal, 2017, 10, .	0.0	0
77	Superradiance in a Two-Dimensional Gas. , 2017, , .		0
78	Coincidence rates and permutation symmetry. , 2017, , .		0
79	Bounding quantum gate error rate based on reported average fidelity. New Journal of Physics, 2016, 18, 012002.	2.9	77
80	Accurate and precise characterization of linear optical interferometers. Journal of Optics (United Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 4	2.2	13
81	Quantum simulation of macro and micro quantum phase transition from paramagnetism to frustrated magnetism with a superconducting circuit. New Journal of Physics, 2016, 18, 033015.	2.9	4
82	Single-shot adaptive measurement for quantum-enhanced metrology. , 2016, , .		2
83	Commentary: Asked to speak in a developing country? Say yes!. Physics Today, 2016, 69, 10-12.	0.3	2
84	Building a relationship with China. Physics World, 2016, 29, 17-17.	0.0	2
85	Designing High-Fidelity Single-Shot Three-Qubit Gates: A Machine-Learning Approach. Physical Review Applied, 2016, 6, .	3.8	71
86	Creating cat states in one-dimensional quantum walks using delocalized initial states. New Journal of Physics, 2016, 18, 093025.	2.9	18
87	Quantum computation with coherent spin states and the close Hadamard problem. Quantum Information Processing, 2016, 15, 1361-1386.	2.2	19
88	Long-distance quantum-key-distribution using concatenated entanglement swapping with practical resources. , 2016, , .		0
89	Enhanced nonlinear susceptibility via double-double electromagnetically induced transparency. Physical Review A, 2016, 94, .	2.5	20
90	Spacetime replication of continuous variable quantum information. New Journal of Physics, 2016, 18, 083043.	2.9	13

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91	Propagation of radiation pulses through gasâ€‘plasma mixtures. Journal of Physics B: Atomic, Molecular and Optical Physics, 2016, 49, 075501.	1.5	1
92	Precise spaceâ€‘time positioning for entanglement harvesting. New Journal of Physics, 2016, 18, 043031.	2.9	17
93	Realization of the Contextuality-Nonlocality Tradeoff with a Qubit-Qutrit Photon Pair. Physical Review Letters, 2016, 116, 090401.	7.8	49
94	Stability theorem of depolarizing channels for the minimal output quantum RÃ©nyi entropies. Journal of Physics A: Mathematical and Theoretical, 2016, 49, 115304.	2.1	0
95	Dimension Control of Superradiance. , 2016, , .		0
96	Surface Plasmon Polaritons at Lossy Metamaterial-Air Interfaces. , 2016, , .		0
97	Multiscale quantum simulation of quantum field theory using wavelets. Physical Review A, 2015, 92, .	2.5	33
98	Localized state in a two-dimensional quantum walk on a disordered lattice. Physical Review A, 2015, 92, .	2.5	26
99	Generalized Multiphoton Quantum Interference. Physical Review X, 2015, 5, .	8.9	87
100	Algorithms for SU(n) boson realizations and D-functions. Journal of Mathematical Physics, 2015, 56, 111705.	1.1	6
101	Experimental Quantum-Walk Revival with a Time-Dependent Coin. Physical Review Letters, 2015, 114, 140502.	7.8	87
102	High-Fidelity Single-Shot Toffoli Gate via Quantum Control. Physical Review Letters, 2015, 114, 200502.	7.8	94
103	Nonzero Classical Discord. Physical Review Letters, 2015, 115, 030403.	7.8	8
104	Slowing the probe field in the second window of double-double electromagnetically induced transparency. Physical Review A, 2015, 91, .	2.5	18
105	Realization of Single-Qubit Positive-Operator-Valued Measurement via a One-Dimensional Photonic Quantum Walk. Physical Review Letters, 2015, 114, 203602.	7.8	70
106	Quantum circuit design for accurate simulation of qudit channels. New Journal of Physics, 2015, 17, 043004.	2.9	20
107	Practical long-distance quantum key distribution through concatenated entanglement swapping with parametric down-conversion sources. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 2382.	2.1	7
108	Dimensional Dependence of Cooperative Emission. , 2015, , .		0

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109	Quantum resource theory for charge-parity-time inversion. Physical Review A, 2014, 90, .	2.5	3
110	Characterizing the rate and coherence of single-electron tunneling between two dangling bonds on the surface of silicon. Physical Review B, 2014, 89, .	3.2	14
111	Nonlinear phase shifts of light trapped in a two-component Bose-Einstein condensate. Physical Review A, 2014, 89, .	2.5	2
112	Coincidence landscapes for three-channel linear optical networks. Physical Review A, 2014, 89, .	2.5	32
113	Effects of temperature and ground-state coherence decay on enhancement and amplification in a $\hat{I}^n$ atomic system. Physical Review A, 2014, 90, .	2.5	19
114	Observation of quasiperiodic dynamics in a one-dimensional quantum walk of single photons in space. New Journal of Physics, 2014, 16, 053009.	2.9	40
115	Connection between the NOON state and a superposition of SU(2) coherent states. Physical Review A, 2014, 90, .	2.5	12
116	Long-distance quantum communication through any number of entanglement-swapping operations. Physical Review A, 2014, 90, .	2.5	19
117	Double-double electromagnetically induced transparency with amplification. Physical Review A, 2014, 89, .	2.5	45
118	Evolutionary algorithms for hard quantum control. Physical Review A, 2014, 90, .	2.5	56
119	Stability of the Trotter–Suzuki decomposition. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 265206.	2.1	13
120	The general solution of cooperative emission in arbitrary dimension. , 2014, , .		0
121	Gaussian quantum computation with oracle-decision problems. Quantum Information Processing, 2013, 12, 1759-1779.	2.2	3
122	Discrete-time quantum walk with nitrogen-vacancy centers in diamond coupled to a superconducting flux qubit. Physical Review A, 2013, 88, .	2.5	12
123	Quantum Freeness for $C^*P(T)$ Symmetry. Physical Review Letters, 2013, 111, 020504.	7.8	19
124	Input-output theory for waveguide QED with an ensemble of inhomogeneous atoms. Physical Review A, 2013, 88, .	2.5	196
125	Solovay-Kitaev Decomposition Strategy for Single-Qubit Channels. Physical Review Letters, 2013, 111, 130504.	7.8	45
126	Slow light with three-level atoms in metamaterial waveguides. Physical Review A, 2013, 88, .	2.5	10



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127	Practical long-distance quantum communication using concatenated entanglement swapping. Physical Review A, 2013, 88, .	2.5	12
128	Fermionized photons in the ground state of one-dimensional coupled cavities. Physical Review A, 2013, 88, .	2.5	7
129	Stabilizer formalism for generalized concatenated quantum codes. , 2013, , .		3
130	Differential Evolution for Many-Particle Adaptive Quantum Metrology. Physical Review Letters, 2013, 110, 220501.	7.8	53
131	Photon-Mediated Interactions Between Distant Artificial Atoms. Science, 2013, 342, 1494-1496.	12.6	409
132	Accessing quantum secrets via local operations and classical communication. Physical Review A, 2013, 88, .	2.5	22
133	SU(3) Quantum Interferometry with Single-Photon Input Pulses. Physical Review Letters, 2013, 110, 113603.	7.8	39
134	Controlling and reversing the transition from classical diffusive to quantum ballistic transport in a quantum walk by driving the coin. Physical Review A, 2013, 87, .	2.5	12
135	Entanglement sharing protocol via quantum error-correcting codes. Physical Review A, 2013, 87, .	2.5	4
136	Coupling of quantum fluctuations in a two-component condensate. Proceedings of SPIE, 2013, , .	0.8	0
137	Estimating immanants from interferometric photon coincidences. , 2013, , .		0
138	Quantum-circuit design for efficient simulations of many-body quantum dynamics. New Journal of Physics, 2012, 14, 103017.	2.9	45
139	Two quantum walkers sharing coins. Physical Review A, 2012, 85, .	2.5	39
140	Low-loss surface modes and lossy hybrid modes in metamaterial waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 602-614.	2.0	20
141	Coherent Control of Microwave Pulse Storage in Superconducting Circuits. Physical Review Letters, 2012, 109, 253603.	7.8	42
142	Probing multipartite entanglement in a coupled Jaynes-Cummings system. Physical Review A, 2012, 86, .	2.5	11
143	Limitations to sharing entanglement. Contemporary Physics, 2012, 53, 417-432.	1.8	50
144	Electromagnetically controlled storage and retrieval for pulses propagating through a line of atoms. , 2012, , .		0

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145	Review of entangled coherent states. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 244002.	2.1	154
146	Quantum effects in biological electron transfer. Physical Chemistry Chemical Physics, 2012, 14, 5902.	2.8	31
147	Entanglement creation with negative index metamaterials. Physical Review A, 2012, 85, .	2.5	39
148	Enhanced Feedback Iterative Decoding of Sparse Quantum Codes. IEEE Transactions on Information Theory, 2012, 58, 1231-1241.	2.4	73
149	Adaptive Quantum Measurement via Swarm-intelligence Machine Learning. , 2012, , .		0
150	An efficient algorithm for optimizing adaptive quantum metrology processes. , 2011, , .		0
151	Efficient Algorithm for Optimizing Adaptive Quantum Metrology Processes. Physical Review Letters, 2011, 107, 233601.	7.8	78
152	Transmission Coefficients for Chemical Reactions with Multiple States: Role of Quantum Decoherence. Journal of the American Chemical Society, 2011, 133, 3883-3894.	13.7	22
153	Simulating quantum dynamics on a quantum computer. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445308.	2.1	78
154	Unified entropy, entanglement measures and monogamy of multi-party entanglement. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 295303.	2.1	57
155	Quantum optics in superconducting circuits. , 2011, , .		2
156	Large optical nonlinearities with few photons. Proceedings of SPIE, 2011, , .	0.8	0
157	Quantum process tomography with coherent states. New Journal of Physics, 2011, 13, 013006.	2.9	53
158	Long-distance practical quantum key distribution by entanglement swapping. Optics Express, 2011, 19, 3004.	3.4	41
159	Two coupled Jaynes-Cummings cells. Proceedings of SPIE, 2011, , .	0.8	1
160	Distribution and dynamics of entanglement in high-dimensional quantum systems using convex-roof extended negativity. Physics Letters, Section A: General, Atomic and Solid State Physics, 2011, 375, 411-414.	2.1	5
161	Objectively Discerning Autler-Townes Splitting from Electromagnetically Induced Transparency. Physical Review Letters, 2011, 107, 163604.	7.8	221
162	Constructing monotones for quantum phase references in totally dephasing channels. Physical Review A, 2011, 84, .	2.5	23

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163	Waveguide characteristics for arbitrary permittivity and permeability including for metamaterials. , 2011, , .		0
164	Ordered measurements of permutationally-symmetric qubit strings. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 115301.	2.1	9
165	QUANTUM INFORMATICS WITH PLASMONIC META-MATERIALS. International Journal of Quantum Information, 2011, 09, 263-279.	1.1	8
166	Quantum-optical process tomography using coherent states. , 2011, , .		0
167	An Efficient Algorithm for Optimizing Adaptive Quantum Metrology Processes. , 2011, , .		0
168	Efficient Algorithm for Optimizing Adaptive Quantum Metrology. , 2011, , .		0
169	Electromagnetically induced transparency in superconducting circuits. , 2011, , .		0
170	On the Geometric Distance Between Quantum States with Positive Partial Transposition and Private States. Letters in Mathematical Physics, 2010, 92, 67-79.	1.1	3
171	Machine Learning for Precise Quantum Measurement. Physical Review Letters, 2010, 104, 063603.	7.8	154
172	Nearest-neighbor coupling asymmetry in the generation of cluster states in a charge-qubit structure. Physical Review B, 2010, 82, .	3.2	5
173	Dangling-bond charge qubit on a silicon surface. New Journal of Physics, 2010, 12, 083018.	2.9	56
174	Machine Learning for Adaptive Quantum Measurement. , 2010, , .		3
175	Graph state secret sharing in higher-dimensional systems. Proceedings of SPIE, 2010, , .	0.8	1
176	Surface residues dynamically organize water bridges to enhance electron transfer between proteins. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 11799-11804.	7.1	50
177	Superradiance, subradiance, and suppressed superradiance of dipoles near a metal interface. Physical Review A, 2010, 82, .	2.5	34
178	Uniform cross-phase modulation for nonclassical radiation pulses. Journal of the Optical Society of America B: Optical Physics, 2010, 27, A36.	2.1	19
179	Monogamy of multi-qubit entanglement using Rényi entropy. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 445305.	2.1	90
180	Electromagnetically Induced Transparency with Amplification in Superconducting Circuits. Physical Review Letters, 2010, 105, 073601.	7.8	76

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181	Quantum secret sharing with qudit graph states. Physical Review A, 2010, 82, .	2.5	114
182	Low-loss nonlinear polaritonics. Physical Review A, 2010, 81, .	2.5	26
183	Higher order decompositions of ordered operator exponentials. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 065203.	2.1	114
184	Time-reversal frameness and superselection. Journal of Mathematical Physics, 2009, 50, 102105.	1.1	2
185	Quantum Walk on a Line for a Trapped Ion. Physical Review Letters, 2009, 103, 183602.	7.8	81
186	Correlation effects in a discrete quantum random walk. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 175304.	2.1	2
187	A heralded two-qutrit entangled state. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 114007.	1.5	9
188	Limitations on continuous variable quantum algorithms with Fourier transforms. New Journal of Physics, 2009, 11, 103035.	2.9	27
189	Distributed authentication for randomly compromised networks. New Journal of Physics, 2009, 11, 085005.	2.9	1
190	Incoherently generated coherences. , 2009, , .		0
191	Optical quantum memory. Nature Photonics, 2009, 3, 706-714.	31.4	1,107
192	Tripartite entanglement dynamics for an atom interacting with nonlinear couplers. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 315-319.	2.1	19
193	Coherent-State Quantum Process Tomography. , 2009, , .		0
194	Quantum states prepared by realistic entanglement swapping. Physical Review A, 2009, 80, .	2.5	23
195	Entanglement monogamy of multipartite higher-dimensional quantum systems using convex-roof extended negativity. Physical Review A, 2009, 79, .	2.5	139
196	Few-photon optics. Journal of Physics B: Atomic, Molecular and Optical Physics, 2009, 42, 110201.	1.5	1
197	Gaussian Quantum Marginal Problem. Communications in Mathematical Physics, 2008, 280, 263-280.	2.2	32
198	Complete Characterization of Quantum-Optical Processes. Science, 2008, 322, 563-566.	12.6	116

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199	Graph states for quantum secret sharing. Physical Review A, 2008, 78, .	2.5	299
200	Quantum walks on circles in phase space via superconducting circuit quantum electrodynamics. Physical Review A, 2008, 78, .	2.5	36
201	Coherent Control of Low Loss Surface Polaritons. Physical Review Letters, 2008, 101, 263601.	7.8	47
202	Generalized W-class state and its monogamy relation. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 495301.	2.1	49
203	SU(1,1) symmetry of multimode squeezed states. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 055309.	2.1	17
204	Quantum quincunx for walk on circles in phase space with indirect coin flip. New Journal of Physics, 2008, 10, 053025.	2.9	19
205	Entangling identical bosons in optical tweezers via exchange interaction. Canadian Journal of Physics, 2008, 86, 549-555.	1.1	5
206	Visualizing a silicon quantum computer. New Journal of Physics, 2008, 10, 125005.	2.9	5
207	Super- and subradiant emission of two-level systems in the near-Dicke limit. Physical Review A, 2008, 77, .	2.5	21
208	Entanglement of group-II-like atoms with fast measurement for quantum information processing. Physical Review A, 2008, 78, .	2.5	24
209	Complementarity and uncertainty relations for matter-wave interferometry. Physical Review A, 2008, 78, .	2.5	5
210	On the epistemic view of quantum states. Journal of Mathematical Physics, 2008, 49, 082103.	1.1	3
211	Criteria for dynamically stable decoherence-free subspaces and incoherently generated coherences. Physical Review A, 2008, 77, .	2.5	45
212	Science without borders. Physics Today, 2008, 61, 51-52.	0.3	0
213	Science not yet without borders. Physics Today, 2008, 61, 10-10.	0.3	0
214	Seeing the quantum world. Physics World, 2008, 21, 24-27.	0.0	1
215	Distributed Relay Protocol for Probabilistic Information-Theoretic Security in a Randomly-Compromised Network. Lecture Notes in Computer Science, 2008, , 29-39.	1.3	9
216	Focus on Visualization in Physics. New Journal of Physics, 2008, 10, 125001.	2.9	0

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217	Entanglement and rapid measurement of clock-state qubits in Yb or Sr for quantum information processing. , 2007, , .		0
218	Decoherence-free subspaces and spontaneous emission cancellation. Canadian Journal of Physics, 2007, 85, 641-645.	1.1	2
219	Nonseparability of continuously measured quantum systems in the classical limit. Canadian Journal of Physics, 2007, 85, 633-640.	1.1	0
220	Strong terahertz emission from superlattices via Zener tunneling. Europhysics Letters, 2007, 79, 27001.	2.0	0
221	Multiparticle decoherence-free subspaces in extended systems. Physical Review A, 2007, 76, .	2.5	16
222	Non-Gaussian ancilla states for continuous variable quantum computation via Gaussian maps. Journal of Modern Optics, 2007, 54, 855-869.	1.3	69
223	Degradation of a quantum directional reference frame as a random walk. Journal of Modern Optics, 2007, 54, 2211-2221.	1.3	14
224	Three-mode squeezing: SU(1,1) symmetry. Proceedings of SPIE, 2007, , .	0.8	1
225	Rapid measurement of atomic clock-state qubits for violating Bell inequalities. , 2007, , .		0
226	Efficiency limits for linear optical processing of single photons and single-rail qubits. Journal of the Optical Society of America B: Optical Physics, 2007, 24, 189.	2.1	4
227	Dual resonator 1-D EBG antenna with slot array feed for improved radiation bandwidth. IET Microwaves, Antennas and Propagation, 2007, 1, 198.	1.4	106
228	Dual monogamy inequality for entanglement. Journal of Mathematical Physics, 2007, 48, 012108.	1.1	100
229	Efficient Quantum Algorithms for Simulating Sparse Hamiltonians. Communications in Mathematical Physics, 2007, 270, 359-371.	2.2	440
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