

Barry C Sanders

List of Publications by Year in descending order

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402
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414
all docs

414
docs citations

414
times ranked

8463
citing authors

#	ARTICLE	IF	CITATIONS
1	Optical quantum memory. Nature Photonics, 2009, 3, 706-714.	31.4	1,107
2	Limitations on Practical Quantum Cryptography. Physical Review Letters, 2000, 85, 1330-1333.	7.8	1,016
3	Tripartite Quantum State Sharing. Physical Review Letters, 2004, 92, 177903.	7.8	458
4	Entangled coherent states. Physical Review A, 1992, 45, 6811-6815.	2.5	441
5	Efficient Quantum Algorithms for Simulating Sparse Hamiltonians. Communications in Mathematical Physics, 2007, 270, 359-371.	2.2	440
6	Observation of topological edge states in parity-time-symmetric quantum walks. Nature Physics, 2017, 13, 1117-1123.	16.7	421
7	Photon-Mediated Interactions Between Distant Artificial Atoms. Science, 2013, 342, 1494-1496.	12.6	409
8	Graph states for quantum secret sharing. Physical Review A, 2008, 78, .	2.5	299
9	Efficient Classical Simulation of Continuous Variable Quantum Information Processes. Physical Review Letters, 2002, 88, 097904.	7.8	286
10	Optimal Remote State Preparation. Physical Review Letters, 2003, 90, 057901.	7.8	232
11	Objectively Discerning Autler-Townes Splitting from Electromagnetically Induced Transparency. Physical Review Letters, 2011, 107, 163604.	7.8	221
12	Optimal Quantum Measurements for Phase Estimation. Physical Review Letters, 1995, 75, 2944-2947.	7.8	198
13	Input-output theory for waveguide QED with an ensemble of inhomogeneous atoms. Physical Review A, 2013, 88, .	2.5	196
14	Quantum walks in higher dimensions. Journal of Physics A, 2002, 35, 2745-2753.	1.6	190
15	Spin squeezing and pairwise entanglement for symmetric multiqubit states. Physical Review A, 2003, 68, .	2.5	189
16	A planar resonator antenna based on a woodpile EBG material. IEEE Transactions on Antennas and Propagation, 2005, 53, 216-223.	5.1	174
17	Quantum dynamics of the nonlinear rotator and the effects of continual spin measurement. Physical Review A, 1989, 40, 2417-2427.	2.5	157
18	Inconsistency in the Application of the Adiabatic Theorem. Physical Review Letters, 2004, 93, 160408.	7.8	156

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19	Machine Learning for Precise Quantum Measurement. Physical Review Letters, 2010, 104, 063603.	7.8	154
20	Review of entangled coherent states. Journal of Physics A: Mathematical and Theoretical, 2012, 45, 244002.	2.1	154
21	Qudits and High-Dimensional Quantum Computing. Frontiers in Physics, 2020, 8, .	2.1	149
22	Quantum quincunx in cavity quantum electrodynamics. Physical Review A, 2003, 67, .	2.5	148
23	Detecting Topological Invariants in Nonunitary Discrete-Time Quantum Walks. Physical Review Letters, 2017, 119, 130501.	7.8	145
24	Quantum encodings in spin systems and harmonic oscillators. Physical Review A, 2002, 65, .	2.5	144
25	Entanglement monogamy of multipartite higher-dimensional quantum systems using convex-roof extended negativity. Physical Review A, 2009, 79, .	2.5	139
26	Large Cross-Phase Modulation between Slow Copropagating Weak Pulses in Rb87. Physical Review Letters, 2006, 97, 063901.	7.8	137
27	Entanglement as a signature of quantum chaos. Physical Review E, 2004, 70, 016217.	2.1	136
28	Universal continuous-variable quantum computation: Requirement of optical nonlinearity for photon counting. Physical Review A, 2002, 65, .	2.5	133
29	Atomic soliton in a traveling wave laser beam. Physical Review Letters, 1994, 72, 60-63.	7.8	121
30	Direct Observation of Nonclassical Photon Statistics in Parametric Down-Conversion. Physical Review Letters, 2004, 92, 113602.	7.8	117
31	Complete Characterization of Quantum-Optical Processes. Science, 2008, 322, 563-566.	12.6	116
32	Quantum secret sharing with qudit graph states. Physical Review A, 2010, 82, .	2.5	114
33	Higher order decompositions of ordered operator exponentials. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 065203.	2.1	114
34	Uncover Topology by Quantum Quench Dynamics. Physical Review Letters, 2018, 121, 250403.	7.8	114
35	Entangled coherent-state qubits in an ion trap. Physical Review A, 2000, 62, .	2.5	107
36	Multipartite entangled coherent states. Physical Review A, 2001, 65, .	2.5	107

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37	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
38	High-gain 1D EBG resonator antenna. Microwave and Optical Technology Letters, 2005, 47, 107-114.	1.4	103
39	Continuous-variable quantum-state sharing via quantum disentanglement. Physical Review A, 2005, 71, .	2.5	102
40	How to share a continuous-variable quantum secret by optical interferometry. Physical Review A, 2002, 65, .	2.5	101
41	Dual monogamy inequality for entanglement. Journal of Mathematical Physics, 2007, 48, 012108.	1.1	100
42	Entangled coherent states for systems with $SU(2)$ and $SU(1,1)$ symmetries. Journal of Physics A, 2000, 33, 7451-7467.	1.6	99
43	Bell's inequality for an entanglement of nonorthogonal states. Physical Review A, 1995, 51, 989-991.	2.5	94
44	Collective spontaneous emission from a line of atoms. Physical Review A, 2003, 68, .	2.5	94
45	High-Fidelity Single-Shot Toffoli Gate via Quantum Control. Physical Review Letters, 2015, 114, 200502.	7.8	94
46	Multipartite entangled states in coupled quantum dots and cavity QED. Physical Review A, 2003, 67, .	2.5	90
47	Monogamy of multi-qubit entanglement using Rényi entropy. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 445305.	2.1	90
48	Generalized Multiphoton Quantum Interference. Physical Review X, 2015, 5, .	8.9	87
49	Experimental Quantum-Walk Revival with a Time-Dependent Coin. Physical Review Letters, 2015, 114, 140502.	7.8	87
50	Observation of Topologically Protected Edge States in a Photonic Two-Dimensional Quantum Walk. Physical Review Letters, 2018, 121, 100502.	7.8	86
51	Deterministic entanglement of assistance and monogamy constraints. Physical Review A, 2005, 72, .	2.5	85
52	Experimental Quantum Switching for Exponentially Superior Quantum Communication Complexity. Physical Review Letters, 2019, 122, 120504.	7.8	82
53	Quantum Walk on a Line for a Trapped Ion. Physical Review Letters, 2009, 103, 183602.	7.8	81
54	Observation of emergent momentum "time skyrmions in parity "time-symmetric non-unitary quench dynamics. Nature Communications, 2019, 10, 2293.	12.8	81

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55	Efficient Algorithm for Optimizing Adaptive Quantum Metrology Processes. Physical Review Letters, 2011, 107, 233601.	7.8	78
56	Simulating quantum dynamics on a quantum computer. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 445308.	2.1	78
57	Bounding quantum gate error rate based on reported average fidelity. New Journal of Physics, 2016, 18, 012002.	2.9	77
58	Electromagnetically Induced Transparency with Amplification in Superconducting Circuits. Physical Review Letters, 2010, 105, 073601.	7.8	76
59	Separability criterion for separate quantum systems. Physical Review A, 2003, 67, .	2.5	73
60	Enhanced Feedback Iterative Decoding of Sparse Quantum Codes. IEEE Transactions on Information Theory, 2012, 58, 1231-1241.	2.4	73
61	Complementarity in a quantum nondemolition measurement. Physical Review A, 1989, 39, 694-702.	2.5	71
62	Designing High-Fidelity Single-Shot Three-Qubit Gates: A Machine-Learning Approach. Physical Review Applied, 2016, 6, .	3.8	71
63	Realization of Single-Qubit Positive-Operator-Valued Measurement via a One-Dimensional Photonic Quantum Walk. Physical Review Letters, 2015, 114, 203602.	7.8	70
64	Focus on Single Photons on Demand. New Journal of Physics, 2004, 6, .	2.9	69
65	Non-Gaussian ancilla states for continuous variable quantum computation via Gaussian maps. Journal of Modern Optics, 2007, 54, 855-869.	1.3	69
66	Learning in quantum control: High-dimensional global optimization for noisy quantum dynamics. Neurocomputing, 2017, 268, 116-126.	5.9	68
67	Experimental Blind Quantum Computing for a Classical Client. Physical Review Letters, 2017, 119, 050503.	7.8	68
68	Requirement of Optical Coherence for Continuous-Variable Quantum Teleportation. Physical Review Letters, 2001, 87, 077903.	7.8	65
69	Entangling power and operator entanglement in qudit systems. Physical Review A, 2003, 67, .	2.5	62
70	Representations of the Weyl group and Wigner functions for SU(3). Journal of Mathematical Physics, 1999, 40, 3604-3615.	1.1	61
71	Superposition of two squeezed vacuum states and interference effects. Physical Review A, 1989, 39, 4284-4287.	2.5	60
72	Quantum limits to all-optical phase shifts in a Kerr nonlinear medium. Physical Review A, 1992, 45, 1919-1923.	2.5	59

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73	Quantum gates on hybrid qudits. Journal of Physics A, 2003, 36, 2525-2536.	1.6	59
74	Symmetric Rydberg controlled- Z gates with adiabatic pulses. Physical Review A, 2020, 101, .	2.5	59
75	Phase variables and squeezed states. Optics Communications, 1986, 58, 290-294.	2.1	58
76	Geometric Phase Distributions for Open Quantum Systems. Physical Review Letters, 2004, 93, 260402.	7.8	58
77	Unified entropy, entanglement measures and monogamy of multi-party entanglement. Journal of Physics A: Mathematical and Theoretical, 2011, 44, 295303.	2.1	57
78	Dangling-bond charge qubit on a silicon surface. New Journal of Physics, 2010, 12, 083018.	2.9	56
79	Evolutionary algorithms for hard quantum control. Physical Review A, 2014, 90, .	2.5	56
80	Radiating dipoles in photonic crystals. Physical Review E, 2000, 62, 4251-4260.	2.1	55
81	Efficient Classical Simulation of Optical Quantum Information Circuits. Physical Review Letters, 2002, 89, 207903.	7.8	53
82	Entanglement dynamics in chaotic systems. Physical Review A, 2004, 70, .	2.5	53
83	Quantum process tomography with coherent states. New Journal of Physics, 2011, 13, 013006.	2.9	53
84	Differential Evolution for Many-Particle Adaptive Quantum Metrology. Physical Review Letters, 2013, 110, 220501.	7.8	53
85	Creation of skyrmions in a spinor Bose-Einstein condensate. Physical Review A, 2000, 62, .	2.5	51
86	Complementarity and quantum walks. Physical Review A, 2005, 71, .	2.5	51
87	Photon-number superselection and the entangled coherent-state representation. Physical Review A, 2003, 68, .	2.5	50
88	Remote Preparation and Distribution of Bipartite Entangled States. Physical Review Letters, 2004, 93, 260501.	7.8	50
89	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
90	Limitations to sharing entanglement. Contemporary Physics, 2012, 53, 417-432.	1.8	50

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91	Entanglement-enhanced quantum metrology in a noisy environment. Physical Review A, 2018, 97, .	2.5	50
92	Optical homodyne measurements and entangled coherent states. Physical Review A, 1995, 52, 735-741.	2.5	49
93	Nonclassical fields and the nonlinear interferometer. Physical Review A, 1999, 61, .	2.5	49
94	Generalized W-class state and its monogamy relation. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 495301.	2.1	49
95	Realization of the Contextuality-Nonlocality Tradeoff with a Qubit-Qutrit Photon Pair. Physical Review Letters, 2016, 116, 090401.	7.8	49
96	Coherent Control of Low Loss Surface Polaritons. Physical Review Letters, 2008, 101, 263601.	7.8	47
97	Continuous variable (2, 3) threshold quantum secret sharing schemes. New Journal of Physics, 2003, 5, 4-4.	2.9	46
98	Single-Qubit Optical Quantum Fingerprinting. Physical Review Letters, 2005, 95, 150502.	7.8	46
99	High gain circularly polarised 1-D EBG resonator antenna. Electronics Letters, 2006, 42, 1012.	1.0	45
100	Criteria for dynamically stable decoherence-free subspaces and incoherently generated coherences. Physical Review A, 2008, 77, .	2.5	45
101	Quantum-circuit design for efficient simulations of many-body quantum dynamics. New Journal of Physics, 2012, 14, 103017.	2.9	45
102	Solovay-Kitaev Decomposition Strategy for Single-Qubit Channels. Physical Review Letters, 2013, 111, 130504.	7.8	45
103	Double-double electromagnetically induced transparency with amplification. Physical Review A, 2014, 89, .	2.5	45
104	Coherent Control of Microwave Pulse Storage in Superconducting Circuits. Physical Review Letters, 2012, 109, 253603.	7.8	42
105	Relations between bosonic quadrature squeezing and atomic spin squeezing. Physical Review A, 2003, 68, .	2.5	41
106	Highly nonclassical photon statistics in parametric down-conversion. Physical Review A, 2006, 73, .	2.5	41
107	Long-distance practical quantum key distribution by entanglement swapping. Optics Express, 2011, 19, 3004.	3.4	41
108	Journeys from quantum optics to quantum technology. Progress in Quantum Electronics, 2017, 54, 19-45.	7.0	41

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109	Photon Correlation Spectroscopy. Physical Review Letters, 1996, 77, 631-634.	7.8	40
110	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
111	Two quantum walkers sharing coins. Physical Review A, 2012, 85, .	2.5	39
112	Entanglement creation with negative index metamaterials. Physical Review A, 2012, 85, .	2.5	39
113	SU(3) Quantum Interferometry with Single-Photon Input Pulses. Physical Review Letters, 2013, 110, 113603.	7.8	39
114	Higher winding number in a nonunitary photonic quantum walk. Physical Review A, 2018, 98, .	2.5	37
115	Quantum beats in two-atom resonance fluorescence. Physical Review A, 1990, 41, 359-368.	2.5	36
116	Quantum walks on circles in phase space via superconducting circuit quantum electrodynamics. Physical Review A, 2008, 78, .	2.5	36
117	Continuous-variable quantum teleportation of entanglement. Physical Review A, 2002, 66, .	2.5	35
118	Superradiance, subradiance, and suppressed superradiance of dipoles near a metal interface. Physical Review A, 2010, 82, .	2.5	34
119	Operational formulation of homodyne detection. Journal of Physics A, 2004, 37, 7341-7357.	1.6	33
120	Multiscale quantum simulation of quantum field theory using wavelets. Physical Review A, 2015, 92, .	2.5	33
121	Geometric Phase of Three-Level Systems in Interferometry. Physical Review Letters, 2001, 86, 369-372.	7.8	32
122	Gaussian Quantum Marginal Problem. Communications in Mathematical Physics, 2008, 280, 263-280.	2.2	32
123	Coincidence landscapes for three-channel linear optical networks. Physical Review A, 2014, 89, .	2.5	32
124	The effect of measurement on the quantum features of a chaotic system. European Physical Journal B, 1989, 77, 497-510.	1.5	31
125	Linear Array of Woodpile EBG Sectoral Horn Antennas. IEEE Transactions on Antennas and Propagation, 2006, 54, 2263-2274.	5.1	31
126	Quantum effects in biological electron transfer. Physical Chemistry Chemical Physics, 2012, 14, 5902.	2.8	31

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127	Photonic crystal horn and array antennas. Physical Review E, 2003, 68, 016609.	2.1	30
128	Bounds on general entropy measures. Journal of Physics A, 2003, 36, 12255-12265.	1.6	29
129	Multiatom effects in cavity QED with atomic beams. Physical Review A, 1999, 60, 2497-2504.	2.5	28
130	Quantum teleportation of composite systems via mixed entangled states. Physical Review A, 2006, 74, .	2.5	28
131	Entangled Coherent States with Variable Weighting. Journal of Modern Optics, 1993, 40, 1923-1937.	1.3	27
132	Geometric phase for an adiabatically evolving open quantum system. Physical Review A, 2004, 70, .	2.5	27
133	Limitations on continuous variable quantum algorithms with Fourier transforms. New Journal of Physics, 2009, 11, 103035.	2.9	27
134	Low-loss nonlinear polaritonics. Physical Review A, 2010, 81, .	2.5	26
135	Localized state in a two-dimensional quantum walk on a disordered lattice. Physical Review A, 2015, 92, .	2.5	26
136	II Quantum Phenomena in Optical Interferometry. Progress in Optics, 1996, , 49-128.	0.6	25
137	Entanglement capability of a self-inverse Hamiltonian evolution. Physical Review A, 2003, 68, .	2.5	25
138	Two-colour interferometry and switching through optomechanical dark mode excitation. Nature Communications, 2020, 11, 2208.	12.8	25
139	Asymptotic limits of SU(2) and SU(3) Wigner functions. Journal of Mathematical Physics, 2001, 42, 2315.	1.1	24
140	Efficient sharing of a continuous-variable quantum secret. Journal of Physics A, 2003, 36, 7625-7637.	1.6	24
141	Entanglement of group-II-like atoms with fast measurement for quantum information processing. Physical Review A, 2008, 78, .	2.5	24
142	Experimental quantum channel simulation. Physical Review A, 2017, 95, .	2.5	24
143	Quantification and manipulation of magic states. Physical Review A, 2018, 97, .	2.5	24
144	Experimental quantum cloning in a pseudo-unitary system. Physical Review A, 2020, 101, .	2.5	24

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145	Two-coherent-state interferometry. Physical Review A, 2000, 62, .	2.5	23
146	Experimental woodpile EBG waveguides, bends and power dividers at microwave frequencies. Electronics Letters, 2006, 42, 32.	1.0	23
147	Marzlin and Sanders Reply:. Physical Review Letters, 2006, 97, .	7.8	23
148	Quantum states prepared by realistic entanglement swapping. Physical Review A, 2009, 80, .	2.5	23
149	Constructing monotones for quantum phase references in totally dephasing channels. Physical Review A, 2011, 84, .	2.5	23
150	Squeezing and antisqueezing in homodyne measurements. Physical Review A, 1996, 53, 3694-3697.	2.5	22
151	Spin Squeezing Criterion with Local Unitary Invariance. Quantum Information Processing, 2003, 2, 207-220.	2.2	22
152	Shot-to-shot fluctuations in the directed superradiant emission from extended atomic samples. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S736-S741.	1.4	22
153	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
154	Accessing quantum secrets via local operations and classical communication. Physical Review A, 2013, 88, .	2.5	22
155	Super- and subradiant emission of two-level systems in the near-Dicke limit. Physical Review A, 2008, 77, .	2.5	21
156	Two-atom resonance fluorescence spectrum in a squeezed vacuum including the dipole-dipole interaction. Journal of the European Optical Society Part B: Quantum Optics, 1990, 2, 269-286.	1.2	20
157	Resonance fluorescence of a two-level atom in an off-resonance squeezed vacuum. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 809-824.	1.5	20
158	Superpositions of SU(3) coherent states via a nonlinear evolution. Journal of Physics A, 2001, 34, 2051-2062.	1.6	20
159	Low-loss surface modes and lossy hybrid modes in metamaterial waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2012, 10, 602-614.	2.0	20
160	Quantum circuit design for accurate simulation of qudit channels. New Journal of Physics, 2015, 17, 043004.	2.9	20
161	Enhanced nonlinear susceptibility via double-double electromagnetically induced transparency. Physical Review A, 2016, 94, .	2.5	20
162	Vector phase measurement in multipath quantum interferometry. Journal of Physics A, 1999, 32, 7791-7801.	1.6	19

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163	Near-optimal two-mode spin squeezing via feedback. <i>Physical Review A</i> , 2002, 66, .	2.5	19
164	Quantum dynamics of two coupled qubits. <i>Physical Review A</i> , 2002, 65, .	2.5	19
165	Improving single-photon sources via linear optics and photodetection. <i>Physical Review A</i> , 2004, 69, .	2.5	19
166	Canonical entanglement for two indistinguishable particles. <i>Journal of Physics A</i> , 2005, 38, L67-L72.	1.6	19
167	Quantum quincunx for walk on circles in phase space with indirect coin flip. <i>New Journal of Physics</i> , 2008, 10, 053025.	2.9	19
168	Tripartite entanglement dynamics for an atom interacting with nonlinear couplers. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009, 373, 315-319.	2.1	19
169	Uniform cross-phase modulation for nonclassical radiation pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010, 27, A36.	2.1	19
170	Quantum Frameness for $C < P < T$ Symmetry. <i>Physical Review Letters</i> , 2013, 111, 020504.	7.8	19
171	Effects of temperature and ground-state coherence decay on enhancement and amplification in a $\hat{\rho}$ atomic system. <i>Physical Review A</i> , 2014, 90, .	2.5	19
172	Long-distance quantum communication through any number of entanglement-swapping operations. <i>Physical Review A</i> , 2014, 90, .	2.5	19
173	Quantum computation with coherent spin states and the close Hadamard problem. <i>Quantum Information Processing</i> , 2016, 15, 1361-1386.	2.2	19
174	Quantum control for high-fidelity multi-qubit gates. <i>New Journal of Physics</i> , 2018, 20, 113009.	2.9	19
175	Excitation and propagation of surface polaritonic rogue waves and breathers. <i>Physical Review A</i> , 2018, 98, .	2.5	19
176	Layer-by-layer photonic crystal horn antenna. <i>Physical Review E</i> , 2004, 70, 037602.	2.1	18
177	Post-processing with linear optics for improving the quality of single-photon sources. <i>New Journal of Physics</i> , 2004, 6, 93-93.	2.9	18
178	Slowing the probe field in the second window of double-double electromagnetically induced transparency. <i>Physical Review A</i> , 2015, 91, .	2.5	18
179	Creating cat states in one-dimensional quantum walks using delocalized initial states. <i>New Journal of Physics</i> , 2016, 18, 093025.	2.9	18
180	Robustness of quantum-enhanced adaptive phase estimation. <i>Physical Review A</i> , 2019, 100, .	2.5	18

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181	Polaritonic frequency-comb generation and breather propagation in a negative-index metamaterial with a cold four-level atomic medium. <i>Physical Review A</i> , 2019, 99, .	2.5	18
182	Optimal quantum in optical interferometry measurements for phase-shift estimation. <i>Journal of Modern Optics</i> , 1997, 44, 1309-1320.	1.3	18
183	Quantum-noise reduction in intracavity four-wave mixing. <i>Physical Review A</i> , 1990, 42, 6767-6773.	2.5	17
184	Superpositions of distinct phase states by a nonlinear evolution. <i>Physical Review A</i> , 1992, 45, 7746-7751.	2.5	17
185	Requirement for quantum computation. <i>Journal of Modern Optics</i> , 2003, 50, 2331-2340.	1.3	17
186	SU(1,1) symmetry of multimode squeezed states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008, 41, 055309.	2.1	17
187	Precise space-time positioning for entanglement harvesting. <i>New Journal of Physics</i> , 2016, 18, 043031.	2.9	17
188	Strong Coherent Light Amplification with Double Electromagnetically Induced Transparency Coherences. <i>Scientific Reports</i> , 2017, 7, 5796.	3.3	17
189	Unitary transformations for testing Bell inequalities. <i>Physical Review A</i> , 2001, 63, .	2.5	16
190	No-partial erasure of quantum information. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 359, 31-36.	2.1	16
191	Multiparticle decoherence-free subspaces in extended systems. <i>Physical Review A</i> , 2007, 76, .	2.5	16
192	State-independent uncertainty relations. <i>Physical Review A</i> , 2018, 98, .	2.5	15
193	Quantum limits to all-optical switching in the nonlinear Mach-Zehnder interferometer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1992, 9, 915.	2.1	14
194	Relation between classical communication capacity and entanglement capability for two-qubit unitary operations. <i>Physical Review A</i> , 2003, 68, .	2.5	14
195	Interconvertibility of single-rail optical qubits. <i>Optics Letters</i> , 2006, 31, 107.	3.3	14
196	Degradation of a quantum directional reference frame as a random walk. <i>Journal of Modern Optics</i> , 2007, 54, 2211-2221.	1.3	14
197	Characterizing the rate and coherence of single-electron tunneling between two dangling bonds on the surface of silicon. <i>Physical Review B</i> , 2014, 89, .	3.2	14
198	Interference of Independent Laser Beams at the Single-photon Level. <i>Journal of Modern Optics</i> , 1993, 40, 113-122.	1.3	13

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199	Photon correlation spectroscopy of the Jaynes-Cummings system. Physical Review A, 1997, 55, 1358-1370.	2.5	13
200	Complementarity and entangled coherent states. Quantum and Semiclassical Optics: Journal of the European Optical Society Part B, 1998, 10, L41-L47.	0.9	13
201	Stability of the Trotter–Suzuki decomposition. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 265206.	2.1	13
202	Accurate and precise characterization of linear optical interferometers. Journal of Optics (United) Tj ETQq0 0 0 rgBTj/Overlock 10 Tf 50 6	2.2	13
203	Spacetime replication of continuous variable quantum information. New Journal of Physics, 2016, 18, 083043.	2.9	13
204	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
205	Entanglement and the quantum-to-classical transition. Physical Review A, 2005, 72, .	2.5	12
206	Discrete-time quantum walk with nitrogen-vacancy centers in diamond coupled to a superconducting flux qubit. Physical Review A, 2013, 88, .	2.5	12
207	Practical long-distance quantum communication using concatenated entanglement swapping. Physical Review A, 2013, 88, .	2.5	12
208	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
209	Connection between the NOON state and a superposition of SU(2) coherent states. Physical Review A, 2014, 90, .	2.5	12
210	Relativistic (2,3)-threshold quantum secret sharing. Physical Review D, 2017, 96, .	4.7	12
211	Characterization of surface-plasmon polaritons at lossy interfaces. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBTj/Overlock 10 Tf 50 6	2.2	12
212	Topological quantum walks: Theory and experiments. Frontiers of Physics, 2019, 14, 1.	5.0	12
213	Near-100% two-photon-like coincidence-visibility dip with classical light and the role of complementarity. Physical Review A, 2019, 100, .	2.5	12
214	Atomic beamsplitter: reflection and transmission by a laser beam. Journal of Physics B: Atomic, Molecular and Optical Physics, 1994, 27, 795-808.	1.5	11
215	Probing multipartite entanglement in a coupled Jaynes-Cummings system. Physical Review A, 2012, 86, .	2.5	11
216	Decomposition of split-step quantum walks for simulating Majorana modes and edge states. Physical Review A, 2017, 95, .	2.5	11

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217	Security Aspects of Practical Quantum Cryptography. Lecture Notes in Computer Science, 2000, , 289-299.	1.3	11
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