

Barry C Sanders

List of Publications by Citations

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342
papers

12,969
citations

56
h-index

102
g-index

411
ext. papers

15,055
ext. citations

3.6
avg, IF

6.75
L-index

#	Paper	IF	Citations
342	Optical quantum memory. <i>Nature Photonics</i> , 2009 , 3, 706-714	33.9	800
341	Limitations on practical quantum cryptography. <i>Physical Review Letters</i> , 2000 , 85, 1330-3	7.4	771
340	Tripartite quantum state sharing. <i>Physical Review Letters</i> , 2004 , 92, 177903	7.4	428
339	Entangled coherent states. <i>Physical Review A</i> , 1992 , 45, 6811-6815	2.6	378
338	Photon-mediated interactions between distant artificial atoms. <i>Science</i> , 2013 , 342, 1494-6	33.3	304
337	Efficient Quantum Algorithms for Simulating Sparse Hamiltonians. <i>Communications in Mathematical Physics</i> , 2007 , 270, 359-371	2	296
336	Observation of topological edge states in parity-time-symmetric quantum walks. <i>Nature Physics</i> , 2017 , 13, 1117-1123	16.2	267
335	Graph states for quantum secret sharing. <i>Physical Review A</i> , 2008 , 78,	2.6	229
334	Efficient classical simulation of continuous variable quantum information processes. <i>Physical Review Letters</i> , 2002 , 88, 097904	7.4	215
333	Optimal remote state preparation. <i>Physical Review Letters</i> , 2003 , 90, 057901	7.4	211
332	Optimal quantum measurements for phase estimation. <i>Physical Review Letters</i> , 1995 , 75, 2944-2947	7.4	175
331	Objectively discerning Autler-Townes splitting from electromagnetically induced transparency. <i>Physical Review Letters</i> , 2011 , 107, 163604	7.4	174
330	Spin squeezing and pairwise entanglement for symmetric multiqubit states. <i>Physical Review A</i> , 2003 , 68,	2.6	173
329	Quantum walks in higher dimensions. <i>Journal of Physics A</i> , 2002 , 35, 2745-2753		166
328	Input-output theory for waveguide QED with an ensemble of inhomogeneous atoms. <i>Physical Review A</i> , 2013 , 88,	2.6	143
327	Quantum dynamics of the nonlinear rotator and the effects of continual spin measurement. <i>Physical Review A</i> , 1989 , 40, 2417-2427	2.6	138
326	Inconsistency in the application of the adiabatic theorem. <i>Physical Review Letters</i> , 2004 , 93, 160408	7.4	137

325	Quantum quincunx in cavity quantum electrodynamics. <i>Physical Review A</i> , 2003 , 67,	2.6	136
324	Large cross-phase modulation between slow copropagating weak pulses in 87Rb. <i>Physical Review Letters</i> , 2006 , 97, 063901	7.4	128
323	A planar resonator antenna based on a woodpile EBG material. <i>IEEE Transactions on Antennas and Propagation</i> , 2005 , 53, 216-223	4.9	122
322	Quantum encodings in spin systems and harmonic oscillators. <i>Physical Review A</i> , 2002 , 65,	2.6	121
321	Machine learning for precise quantum measurement. <i>Physical Review Letters</i> , 2010 , 104, 063603	7.4	118
320	Review of entangled coherent states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012 , 45, 244002		116
319	Entanglement monogamy of multipartite higher-dimensional quantum systems using convex-roof extended negativity. <i>Physical Review A</i> , 2009 , 79,	2.6	115
318	Entanglement as a signature of quantum chaos. <i>Physical Review E</i> , 2004 , 70, 016217	2.4	112
317	Universal continuous-variable quantum computation: Requirement of optical nonlinearity for photon counting. <i>Physical Review A</i> , 2002 , 65,	2.6	112
316	Atomic soliton in a traveling wave laser beam. <i>Physical Review Letters</i> , 1994 , 72, 60-63	7.4	112
315	Entangled coherent-state qubits in an ion trap. <i>Physical Review A</i> , 2000 , 62,	2.6	103
314	Multipartite entangled coherent states. <i>Physical Review A</i> , 2001 , 65,	2.6	98
313	Continuous-variable quantum-state sharing via quantum disentanglement. <i>Physical Review A</i> , 2005 , 71,	2.6	97
312	Detecting Topological Invariants in Nonunitary Discrete-Time Quantum Walks. <i>Physical Review Letters</i> , 2017 , 119, 130501	7.4	96
311	Quantum secret sharing with qudit graph states. <i>Physical Review A</i> , 2010 , 82,	2.6	93
310	Complete characterization of quantum-optical processes. <i>Science</i> , 2008 , 322, 563-6	33.3	92
309	Entangled coherent states for systems with $SU(2)$ and $SU(1,1)$ symmetries. <i>Journal of Physics A</i> , 2000 , 33, 7451-7467		91
308	Direct observation of nonclassical photon statistics in parametric down-conversion. <i>Physical Review Letters</i> , 2004 , 92, 113602	7.4	90

307	How to share a continuous-variable quantum secret by optical interferometry. <i>Physical Review A</i> , 2002 , 65,	2.6	90
306	Bell's inequality for an entanglement of nonorthogonal states. <i>Physical Review A</i> , 1995 , 51, 989-991	2.6	88
305	Multipartite entangled states in coupled quantum dots and cavity QED. <i>Physical Review A</i> , 2003 , 67,	2.6	85
304	Dual monogamy inequality for entanglement. <i>Journal of Mathematical Physics</i> , 2007 , 48, 012108	1.2	82
303	Higher order decompositions of ordered operator exponentials. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 065203	2	76
302	High-gain 1D EBG resonator antenna. <i>Microwave and Optical Technology Letters</i> , 2005 , 47, 107-114	1.2	74
301	Collective spontaneous emission from a line of atoms. <i>Physical Review A</i> , 2003 , 68,	2.6	72
300	Uncover Topology by Quantum Quench Dynamics. <i>Physical Review Letters</i> , 2018 , 121, 250403	7.4	70
299	Dual resonator 1-D EBG antenna with slot array feed for improved radiation bandwidth. <i>IET Microwaves, Antennas and Propagation</i> , 2007 , 1, 198	1.6	68
298	Deterministic entanglement of assistance and monogamy constraints. <i>Physical Review A</i> , 2005 , 72,	2.6	68
297	High-Fidelity Single-Shot Toffoli Gate via Quantum Control. <i>Physical Review Letters</i> , 2015 , 114, 200502	7.4	66
296	Generalized Multiphoton Quantum Interference. <i>Physical Review X</i> , 2015 , 5,	9.1	66
295	Monogamy of multi-qubit entanglement using Rényi entropy. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2010 , 43, 445305	2	66
294	Complementarity in a quantum nondemolition measurement. <i>Physical Review A</i> , 1989 , 39, 694-702	2.6	66
293	Experimental quantum-walk revival with a time-dependent coin. <i>Physical Review Letters</i> , 2015 , 114, 140502	7.4	65
292	Separability criterion for separate quantum systems. <i>Physical Review A</i> , 2003 , 67,	2.6	65
291	Electromagnetically induced transparency with amplification in superconducting circuits. <i>Physical Review Letters</i> , 2010 , 105, 073601	7.4	64
290	Quantum walk on a line for a trapped ion. <i>Physical Review Letters</i> , 2009 , 103, 183602	7.4	61

289	Requirement of optical coherence for continuous-variable quantum teleportation. <i>Physical Review Letters</i> , 2001 , 87, 077903	7.4	58
288	Focus on Single Photons on Demand. <i>New Journal of Physics</i> , 2004 , 6,	2.9	57
287	Geometric phase distributions for open quantum systems. <i>Physical Review Letters</i> , 2004 , 93, 260402	7.4	56
286	Phase variables and squeezed states. <i>Optics Communications</i> , 1986 , 58, 290-294	2	56
285	Representations of the Weyl group and Wigner functions for SU(3). <i>Journal of Mathematical Physics</i> , 1999 , 40, 3604-3615	1.2	55
284	Superposition of two squeezed vacuum states and interference effects. <i>Physical Review A</i> , 1989 , 39, 4284-4287	5.5	55
283	Quantum limits to all-optical phase shifts in a Kerr nonlinear medium. <i>Physical Review A</i> , 1992 , 45, 1919-1923	5.4	54
282	Observation of emergent momentum-time skyrmions in parity-time-symmetric non-unitary quench dynamics. <i>Nature Communications</i> , 2019 , 10, 2293	17.4	53
281	Efficient algorithm for optimizing adaptive quantum metrology processes. <i>Physical Review Letters</i> , 2011 , 107, 233601	7.4	53
280	Non-Gaussian ancilla states for continuous variable quantum computation via Gaussian maps. <i>Journal of Modern Optics</i> , 2007 , 54, 855-869	1.1	52
279	Bounding quantum gate error rate based on reported average fidelity. <i>New Journal of Physics</i> , 2016 , 18, 012002	2.9	51
278	Entangling power and operator entanglement in qudit systems. <i>Physical Review A</i> , 2003 , 67,	2.6	50
277	Designing High-Fidelity Single-Shot Three-Qubit Gates: A Machine-Learning Approach. <i>Physical Review Applied</i> , 2016 , 6,	4.3	50
276	Realization of Single-Qubit Positive-Operator-Valued Measurement via a One-Dimensional Photonic Quantum Walk. <i>Physical Review Letters</i> , 2015 , 114, 203602	7.4	49
275	Radiating dipoles in photonic crystals. <i>Physical Review E</i> , 2000 , 62, 4251-60	2.4	49
274	Simulating quantum dynamics on a quantum computer. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 445308	2	48
273	Observation of Topologically Protected Edge States in a Photonic Two-Dimensional Quantum Walk. <i>Physical Review Letters</i> , 2018 , 121, 100502	7.4	48
272	Learning in quantum control: High-dimensional global optimization for noisy quantum dynamics. <i>Neurocomputing</i> , 2017 , 268, 116-126	5.4	47

271	Entanglement dynamics in chaotic systems. <i>Physical Review A</i> , 2004 , 70,	2.6	47
270	Enhanced Feedback Iterative Decoding of Sparse Quantum Codes. <i>IEEE Transactions on Information Theory</i> , 2012 , 58, 1231-1241	2.8	46
269	Dangling-bond charge qubit on a silicon surface. <i>New Journal of Physics</i> , 2010 , 12, 083018	2.9	46
268	Efficient classical simulation of optical quantum information circuits. <i>Physical Review Letters</i> , 2002 , 89, 207903	7.4	46
267	Nonclassical fields and the nonlinear interferometer. <i>Physical Review A</i> , 1999 , 61,	2.6	46
266	Experimental Blind Quantum Computing for a Classical Client. <i>Physical Review Letters</i> , 2017 , 119, 050503	7.4	45
265	Surface residues dynamically organize water bridges to enhance electron transfer between proteins. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11799-804	11.5	45
264	Complementarity and quantum walks. <i>Physical Review A</i> , 2005 , 71,	2.6	44
263	Photon-number superselection and the entangled coherent-state representation. <i>Physical Review A</i> , 2003 , 68,	2.6	44
262	Optical homodyne measurements and entangled coherent states. <i>Physical Review A</i> , 1995 , 52, 735-741	2.6	44
261	Unified entropy, entanglement measures and monogamy of multi-party entanglement. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2011 , 44, 295303	2	42
260	Quantum gates on hybrid qudits. <i>Journal of Physics A</i> , 2003 , 36, 2525-2536		42
259	Remote preparation and distribution of bipartite entangled states. <i>Physical Review Letters</i> , 2004 , 93, 260501	7.4	42
258	Experimental Quantum Switching for Exponentially Superior Quantum Communication Complexity. <i>Physical Review Letters</i> , 2019 , 122, 120504	7.4	41
257	Limitations to sharing entanglement. <i>Contemporary Physics</i> , 2012 , 53, 417-432	3.3	39
256	Quantum process tomography with coherent states. <i>New Journal of Physics</i> , 2011 , 13, 013006	2.9	39
255	Generalized W-class state and its monogamy relation. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 495301	2	39
254	Coherent control of low loss surface polaritons. <i>Physical Review Letters</i> , 2008 , 101, 263601	7.4	38

253	High gain circularly polarised 1-D EBG resonator antenna. <i>Electronics Letters</i> , 2006 , 42, 1012	1.1	38
252	Continuous variable (2, 3) threshold quantum secret sharing schemes. <i>New Journal of Physics</i> , 2003 , 5, 4-4	2.9	38
251	Criteria for dynamically stable decoherence-free subspaces and incoherently generated coherences. <i>Physical Review A</i> , 2008 , 77,	2.6	37
250	Relations between bosonic quadrature squeezing and atomic spin squeezing. <i>Physical Review A</i> , 2003 , 68,	2.6	37
249	Creation of skyrmions in a spinor Bose-Einstein condensate. <i>Physical Review A</i> , 2000 , 62,	2.6	37
248	Coherent control of microwave pulse storage in superconducting circuits. <i>Physical Review Letters</i> , 2012 , 109, 253603	7.4	36
247	Differential evolution for many-particle adaptive quantum metrology. <i>Physical Review Letters</i> , 2013 , 110, 220501	7.4	36
246	Single-qubit optical quantum fingerprinting. <i>Physical Review Letters</i> , 2005 , 95, 150502	7.4	36
245	Entanglement creation with negative index metamaterials. <i>Physical Review A</i> , 2012 , 85,	2.6	35
244	Two quantum walkers sharing coins. <i>Physical Review A</i> , 2012 , 85,	2.6	35
243	Realization of the Contextuality-Nonlocality Tradeoff with a Qubit-Qutrit Photon Pair. <i>Physical Review Letters</i> , 2016 , 116, 090401	7.4	34
242	Evolutionary algorithms for hard quantum control. <i>Physical Review A</i> , 2014 , 90,	2.6	34
241	Observation of quasiperiodic dynamics in a one-dimensional quantum walk of single photons in space. <i>New Journal of Physics</i> , 2014 , 16, 053009	2.9	34
240	SU(3) quantum interferometry with single-photon input pulses. <i>Physical Review Letters</i> , 2013 , 110, 113603	7.4	34
239	Quantum walks on circles in phase space via superconducting circuit quantum electrodynamics. <i>Physical Review A</i> , 2008 , 78,	2.6	34
238	Highly nonclassical photon statistics in parametric down-conversion. <i>Physical Review A</i> , 2006 , 73,	2.6	33
237	Photon Correlation Spectroscopy. <i>Physical Review Letters</i> , 1996 , 77, 631-634	7.4	33
236	Double-double electromagnetically induced transparency with amplification. <i>Physical Review A</i> , 2014 , 89,	2.6	32

235	Quantum beats in two-atom resonance fluorescence. <i>Physical Review A</i> , 1990 , 41, 359-368	2.6	32
234	Solovay-Kitaev decomposition strategy for single-qubit channels. <i>Physical Review Letters</i> , 2013 , 111, 130504	7.4	31
233	Quantum-circuit design for efficient simulations of many-body quantum dynamics. <i>New Journal of Physics</i> , 2012 , 14, 103017	2.9	31
232	Continuous-variable quantum teleportation of entanglement. <i>Physical Review A</i> , 2002 , 66,	2.6	31
231	Quantum effects in biological electron transfer. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 5902-18	3.6	30
230	Long-distance practical quantum key distribution by entanglement swapping. <i>Optics Express</i> , 2011 , 19, 3004-18	3.3	30
229	Geometric phase of three-level systems in interferometry. <i>Physical Review Letters</i> , 2001 , 86, 369-72	7.4	30
228	The effect of measurement on the quantum features of a chaotic system. <i>European Physical Journal B</i> , 1989 , 77, 497-510	1.2	29
227	Coincidence landscapes for three-channel linear optical networks. <i>Physical Review A</i> , 2014 , 89,	2.6	28
226	Superradiance, subradiance, and suppressed superradiance of dipoles near a metal interface. <i>Physical Review A</i> , 2010 , 82,	2.6	28
225	Higher winding number in a nonunitary photonic quantum walk. <i>Physical Review A</i> , 2018 , 98,	2.6	27
224	Journeys from quantum optics to quantum technology. <i>Progress in Quantum Electronics</i> , 2017 , 54, 19-45	9.1	26
223	Gaussian Quantum Marginal Problem. <i>Communications in Mathematical Physics</i> , 2008 , 280, 263-280	2	26
222	. <i>IEEE Transactions on Antennas and Propagation</i> , 2006 , 54, 2263-2274	4.9	26
221	Geometric phase for an adiabatically evolving open quantum system. <i>Physical Review A</i> , 2004 , 70,	2.6	26
220	Operational formulation of homodyne detection. <i>Journal of Physics A</i> , 2004 , 37, 7341-7357		26
219	Photonic crystal horn and array antennas. <i>Physical Review E</i> , 2003 , 68, 016609	2.4	26
218	Multiatom effects in cavity QED with atomic beams. <i>Physical Review A</i> , 1999 , 60, 2497-2504	2.6	26

217	Entangled Coherent States with Variable Weighting. <i>Journal of Modern Optics</i> , 1993 , 40, 1923-1937	1.1	25
216	Low-loss nonlinear polaritonics. <i>Physical Review A</i> , 2010 , 81,	2.6	24
215	Limitations on continuous variable quantum algorithms with Fourier transforms. <i>New Journal of Physics</i> , 2009 , 11, 103035	2.9	24
214	Symmetric Rydberg controlled-Z gates with adiabatic pulses. <i>Physical Review A</i> , 2020 , 101,	2.6	23
213	Entanglement-enhanced quantum metrology in a noisy environment. <i>Physical Review A</i> , 2018 , 97,	2.6	23
212	Quantum teleportation of composite systems via mixed entangled states. <i>Physical Review A</i> , 2006 , 74,	2.6	23
211	Transmission coefficients for chemical reactions with multiple states: role of quantum decoherence. <i>Journal of the American Chemical Society</i> , 2011 , 133, 3883-94	16.4	22
210	Marzlin and Sanders Reply:. <i>Physical Review Letters</i> , 2006 , 97,	7.4	22
209	Bounds on general entropy measures. <i>Journal of Physics A</i> , 2003 , 36, 12255-12265		22
208	Asymptotic limits of SU(2) and SU(3) Wigner functions. <i>Journal of Mathematical Physics</i> , 2001 , 42, 2315	1.2	22
207	Two-coherent-state interferometry. <i>Physical Review A</i> , 2000 , 62,	2.6	22
206	Localized state in a two-dimensional quantum walk on a disordered lattice. <i>Physical Review A</i> , 2015 , 92,	2.6	21
205	Constructing monotones for quantum phase references in totally dephasing channels. <i>Physical Review A</i> , 2011 , 84,	2.6	21
204	Spin Squeezing Criterion with Local Unitary Invariance. <i>Quantum Information Processing</i> , 2003 , 2, 207-220.6		21
203	Efficient sharing of a continuous-variable quantum secret. <i>Journal of Physics A</i> , 2003 , 36, 7625-7637		21
202	Entanglement capability of a self-inverse Hamiltonian evolution. <i>Physical Review A</i> , 2003 , 68,	2.6	21
201	II Quantum Phenomena in Optical Interferometry. <i>Progress in Optics</i> , 1996 , 49-128	3.4	21
200	Accessing quantum secrets via local operations and classical communication. <i>Physical Review A</i> , 2013 , 88,	2.6	20

199	Experimental woodpile EBG waveguides, bends and power dividers at microwave frequencies. <i>Electronics Letters</i> , 2006 , 42, 32	1.1	20
198	Superpositions of SU(3) coherent states via a nonlinear evolution. <i>Journal of Physics A</i> , 2001 , 34, 2051-2062		20
197	Resonance fluorescence of a two-level atom in an off-resonance squeezed vacuum. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 1994 , 27, 809-824	1.3	20
196	Enhanced nonlinear susceptibility via double-double electromagnetically induced transparency. <i>Physical Review A</i> , 2016 , 94,	2.6	19
195	Multiscale quantum simulation of quantum field theory using wavelets. <i>Physical Review A</i> , 2015 , 92,	2.6	19
194	Uniform cross-phase modulation for nonclassical radiation pulses. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2010 , 27, A36	1.7	19
193	Quantum states prepared by realistic entanglement swapping. <i>Physical Review A</i> , 2009 , 80,	2.6	19
192	Super- and subradiant emission of two-level systems in the near-Dicke limit. <i>Physical Review A</i> , 2008 , 77,	2.6	19
191	Entanglement of group-II-like atoms with fast measurement for quantum information processing. <i>Physical Review A</i> , 2008 , 78,	2.6	19
190	Improving single-photon sources via linear optics and photodetection. <i>Physical Review A</i> , 2004 , 69,	2.6	19
189	Two-atom resonance fluorescence spectrum in a squeezed vacuum including the dipole-dipole interaction. <i>Journal of the European Optical Society Part B: Quantum Optics</i> , 1990 , 2, 269-286		19
188	Excitation and propagation of surface polaritonic rogue waves and breathers. <i>Physical Review A</i> , 2018 , 98,	2.6	18
187	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	2.3	18
186	Canonical entanglement for two indistinguishable particles. <i>Journal of Physics A</i> , 2005 , 38, L67-L72		18
185	Near-optimal two-mode spin squeezing via feedback. <i>Physical Review A</i> , 2002 , 66,	2.6	18
184	Optimal quantum in optical interferometry measurements for phase-shift estimation. <i>Journal of Modern Optics</i> , 1997 , 44, 1309-1320	1.1	18
183	Qudits and High-Dimensional Quantum Computing. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	18
182	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,	2.6	17

181	Quantum quincunx for walk on circles in phase space with indirect coin flip. <i>New Journal of Physics</i> , 2008 , 10, 053025	2.9	17
180	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	17
179	Vector phase measurement in multipath quantum interferometry. <i>Journal of Physics A</i> , 1999 , 32, 7791-7801		17
178	Quantum-noise reduction in intracavity four-wave mixing. <i>Physical Review A</i> , 1990 , 42, 6767-6773	2.6	17
177	Effects of temperature and ground-state coherence decay on enhancement and amplification in a Λ atomic system. <i>Physical Review A</i> , 2014 , 90,	2.6	16
176	Squeezing and antisqueezing in homodyne measurements. <i>Physical Review A</i> , 1996 , 53, 3694-3697	2.6	16
175	Superpositions of distinct phase states by a nonlinear evolution. <i>Physical Review A</i> , 1992 , 45, 7746-7751	2.6	16
174	Slowing the probe field in the second window of double-double electromagnetically induced transparency. <i>Physical Review A</i> , 2015 , 91,	2.6	15
173	Experimental quantum channel simulation. <i>Physical Review A</i> , 2017 , 95,	2.6	15
172	Requirement for quantum computation. <i>Journal of Modern Optics</i> , 2003 , 50, 2331-2340	1.1	15
171	Quantum dynamics of two coupled qubits. <i>Physical Review A</i> , 2002 , 65,	2.6	15
170	Robustness of quantum-enhanced adaptive phase estimation. <i>Physical Review A</i> , 2019 , 100,	2.6	14
169	Long-distance quantum communication through any number of entanglement-swapping operations. <i>Physical Review A</i> , 2014 , 90,	2.6	14
168	Quantum frameness for CPT symmetry. <i>Physical Review Letters</i> , 2013 , 111, 020504	7.4	14
167	SU(1,1) symmetry of multimode squeezed states. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2008 , 41, 055309	2	14
166	Multiparticle decoherence-free subspaces in extended systems. <i>Physical Review A</i> , 2007 , 76,	2.6	14
165	Layer-by-layer photonic crystal horn antenna. <i>Physical Review E</i> , 2004 , 70, 037602	2.4	14
164	Shot-to-shot fluctuations in the directed superradiant emission from extended atomic samples. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004 , 6, S736-S741		14

163	Quantum circuit design for accurate simulation of qudit channels. <i>New Journal of Physics</i> , 2015 , 17, 043004	4.4	13
162	Strong Coherent Light Amplification with Double Electromagnetically Induced Transparency Coherences. <i>Scientific Reports</i> , 2017 , 7, 5796	4.9	13
161	Low-loss surface modes and lossy hybrid modes in metamaterial waveguides. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2012 , 10, 602-614	2.6	13
160	Degradation of a quantum directional reference frame as a random walk. <i>Journal of Modern Optics</i> , 2007 , 54, 2211-2221	1.1	13
159	Interconvertibility of single-rail optical qubits. <i>Optics Letters</i> , 2006 , 31, 107-9	3	13
158	Unitary transformations for testing Bell inequalities. <i>Physical Review A</i> , 2001 , 63,	2.6	13
157	Complementarity and entangled coherent states. <i>Quantum and Semiclassical Optics: Journal of the European Optical Society Part B</i> , 1998 , 10, L41-L47		13
156	Creating cat states in one-dimensional quantum walks using delocalized initial states. <i>New Journal of Physics</i> , 2016 , 18, 093025	2.9	13
155	Quantum computation with coherent spin states and the close Hadamard problem. <i>Quantum Information Processing</i> , 2016 , 15, 1361-1386	1.6	13
154	Two-colour interferometry and switching through optomechanical dark mode excitation. <i>Nature Communications</i> , 2020 , 11, 2208	17.4	12
153	Precise spacetime positioning for entanglement harvesting. <i>New Journal of Physics</i> , 2016 , 18, 043031	2.9	12
152	Quantification and manipulation of magic states. <i>Physical Review A</i> , 2018 , 97,	2.6	12
151	Stability of the Trotter-Suzuki decomposition. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2014 , 47, 265206	2	12
150	Entanglement and the quantum-to-classical transition. <i>Physical Review A</i> , 2005 , 72,	2.6	12
149	Relativistic (2,3)-threshold quantum secret sharing. <i>Physical Review D</i> , 2017 , 96,	4.9	11
148	Spacetime replication of continuous variable quantum information. <i>New Journal of Physics</i> , 2016 , 18, 083043	2.9	11
147	Probing multipartite entanglement in a coupled Jaynes-Cummings system. <i>Physical Review A</i> , 2012 , 86,	2.6	11
146	Photon correlation spectroscopy of the Jaynes-Cummings system. <i>Physical Review A</i> , 1997 , 55, 1358-1370	0.6	11

145	Interference of Independent Laser Beams at the Single-photon Level. <i>Journal of Modern Optics</i> , 1993 , 40, 113-122	1.1	11
144	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	1.7	11
143	Surface-polaritonic phase singularities and multimode polaritonic frequency combs via dark rogue-wave excitation in hybrid plasmonic waveguide. <i>New Journal of Physics</i> , 2020 , 22, 033008	2.9	10
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