

Fabio Sciarrino

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.

177 papers	7,609 citations	42 h-index	83 g-index
229 ext. papers	9,658 ext. citations	7.9 avg, IF	6.24 L-index

#	Paper	IF	Citations
177	The potential and global outlook of integrated photonics for quantum technologies. <i>Nature Reviews Physics</i> , 2022 , 4, 194-208	23.6	20
176	Experimental test of quantum causal influences.. <i>Science Advances</i> , 2022 , 8, eabm1515	14.3	1
175	Causal Networks and Freedom of Choice in Bell's Theorem. <i>PRX Quantum</i> , 2021 , 2,	6.1	4
174	Quantum key distribution with entangled photons generated on demand by a quantum dot. <i>Science Advances</i> , 2021 , 7,	14.3	17
173	The race towards quantum computational advantage: milestone photonic experiment. <i>Science Bulletin</i> , 2021 , 66, 637-639	10.6	
172	Calibration of Multiparameter Sensors via Machine Learning at the Single-Photon Level. <i>Physical Review Applied</i> , 2021 , 15,	4.3	7
171	Experimental Robust Self-Testing of the State Generated by a Quantum Network. <i>PRX Quantum</i> , 2021 , 2,	6.1	3
170	Enhanced detection techniques of orbital angular momentum states in the classical and quantum regimes. <i>New Journal of Physics</i> , 2021 , 23, 073014	2.9	2
169	Two-photon interference: the Hong-Ou-Mandel effect. <i>Reports on Progress in Physics</i> , 2021 , 84, 012402	14.4	12
168	Entanglement transfer, accumulation and retrieval via quantum-walk-based qubit-qudit dynamics. <i>New Journal of Physics</i> , 2021 , 23, 023012	2.9	0
167	Experimental violation of n-locality in a star quantum network. <i>Nature Communications</i> , 2020 , 11, 2467	17.4	11
166	Experimental device-independent certified randomness generation with an instrumental causal structure. <i>Communications Physics</i> , 2020 , 3,	5.4	4
165	Experimental quantification of four-photon indistinguishability. <i>New Journal of Physics</i> , 2020 , 22, 043001	2.9	2
164	Validating multi-photon quantum interference with finite data. <i>Quantum Science and Technology</i> , 2020 , 5, 045005	5.5	2
163	Diagnosing Imperfections in Quantum Sensors via Generalized Cram�r-Rao Bounds. <i>Physical Review Applied</i> , 2020 , 13,	4.3	4
162	Adaptive phase estimation through a genetic algorithm. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
161	Criteria for nonclassicality in the prepare-and-measure scenario. <i>Physical Review Research</i> , 2020 , 2,	3.9	1

160	Transmission of vector vortex beams in dispersive media. <i>Advanced Photonics</i> , 2020 , 2, 1	8.1	17
159	Propagation of structured light through tissue-mimicking phantoms. <i>Optics Express</i> , 2020 , 28, 35427-35437	33.7	4
158	Integrated photonic quantum technologies. <i>Nature Photonics</i> , 2020 , 14, 273-284	33.9	276
157	Photonic quantum metrology. <i>AVS Quantum Science</i> , 2020 , 2, 024703	10.3	71
156	Multiphase estimation without a reference mode. <i>Physical Review A</i> , 2020 , 102,	2.6	10
155	Experimental adaptive Bayesian estimation of multiple phases with limited data. <i>Npj Quantum Information</i> , 2020 , 6,	8.6	11
154	Machine Learning-Based Classification of Vector Vortex Beams. <i>Physical Review Letters</i> , 2020 , 124, 160401	40.1	34
153	Experimental Investigation of Superdiffusion via Coherent Disordered Quantum Walks. <i>Physical Review Letters</i> , 2019 , 123, 140501	7.4	9
152	Visual assessment of multi-photon interference. <i>Quantum Science and Technology</i> , 2019 , 4, 024008	5.5	10
151	Experimental semi-device-independent tests of quantum channels. <i>Quantum Science and Technology</i> , 2019 , 4, 035004	5.5	3
150	All-optical implementation of collision-based evolutions of open quantum systems. <i>Scientific Reports</i> , 2019 , 9, 3205	4.9	21
149	The race for quantum supremacy: pushing the classical limit for photonic hardware. <i>National Science Review</i> , 2019 , 6, 2-3	10.8	6
148	Experimental learning of quantum states. <i>Science Advances</i> , 2019 , 5, eaau1946	14.3	30
147	Experimental Investigation of Quantum Decay at Short, Intermediate, and Long Times via Integrated Photonics. <i>Physical Review Letters</i> , 2019 , 122, 130401	7.4	14
146	Pattern Recognition Techniques for Boson Sampling Validation. <i>Physical Review X</i> , 2019 , 9,	9.1	24
145	Device-independent test of a delayed choice experiment. <i>Physical Review A</i> , 2019 , 100,	2.6	9
144	Experimental Connection between the Instrumental and Bell Inequalities. <i>Proceedings (mdpi)</i> , 2019 , 12, 27	0.3	3
143	Air-core fiber distribution of hybrid vector vortex-polarization entangled states. <i>Advanced Photonics</i> , 2019 , 1, 1	8.1	48

142	Experimental multiphase estimation on a chip. <i>Optica</i> , 2019 , 6, 288	8.6	40
141	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. <i>Optica</i> , 2019 , 6, 1471	8.6	10
140	Witnessing Genuine Multiphoton Indistinguishability. <i>Physical Review Letters</i> , 2019 , 122, 063602	7.4	8
139	Calibration of Quantum Sensors by Neural Networks. <i>Physical Review Letters</i> , 2019 , 123, 230502	7.4	20
138	Tunable Two-Photon Quantum Interference of Structured Light. <i>Physical Review Letters</i> , 2019 , 122, 013604	7.4	12
137	Photonic quantum information processing: a review. <i>Reports on Progress in Physics</i> , 2019 , 82, 016001	14.4	196
136	Experimental Engineering of Arbitrary Qudit States with Discrete-Time Quantum Walks. <i>Physical Review Letters</i> , 2019 , 122, 020503	7.4	34
135	First observation of the quantized exciton-polariton field and effect of interactions on a single polariton. <i>Science Advances</i> , 2018 , 4, eaao6814	14.3	34
134	Experimental statistical signature of many-body quantum interference. <i>Nature Photonics</i> , 2018 , 12, 173-178	13.8	46
133	Experimental generalized quantum suppression law in Sylvester interferometers. <i>New Journal of Physics</i> , 2018 , 20, 033017	2.9	23
132	Integrated sources of entangled photons at the telecom wavelength in femtosecond-laser-written circuits. <i>Optica</i> , 2018 , 5, 311	8.6	42
131	Quantum violation of an instrumental test. <i>Nature Physics</i> , 2018 , 14, 291-296	16.2	29
130	Optimal photonic indistinguishability tests in multimode networks. <i>Science Bulletin</i> , 2018 , 63, 1470-1478	10.6	11
129	Observation of photonic states dynamics in 3-D integrated Fourier circuits. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 074001	1.7	2
128	Experimental Study of Nonclassical Teleportation Beyond Average Fidelity. <i>Physical Review Letters</i> , 2018 , 121, 140501	7.4	5
127	Symmetry Protection of Photonic Entanglement in the Interaction with a Single Nanoaperture. <i>Physical Review Letters</i> , 2018 , 121, 173901	7.4	9
126	Experimental Phase Estimation Enhanced by Machine Learning. <i>Physical Review Applied</i> , 2018 , 10,	4.3	42
125	HongOuMandel control through spectral shaping. <i>Journal of Optics (United Kingdom)</i> , 2018 , 20, 085201	1.7	1

124	Experimental violation of local causality in a quantum network. <i>Nature Communications</i> , 2017 , 8, 14775	17.4	30
123	Single-Photon Quantum Contextuality on a Chip. <i>ACS Photonics</i> , 2017 , 4, 2807-2812	6.3	12
122	Optimal Measurements for Simultaneous Quantum Estimation of Multiple Phases. <i>Physical Review Letters</i> , 2017 , 119, 130504	7.4	82
121	Entanglement of photons in their dual wave-particle nature. <i>Nature Communications</i> , 2017 , 8, 915	17.4	42
120	Learning an unknown transformation via a genetic approach. <i>Scientific Reports</i> , 2017 , 7, 14316	4.9	20
119	What Hong-Ou-Mandel interference says on two-photon frequency entanglement. <i>Scientific Reports</i> , 2017 , 7, 7247	4.9	16
118	Quantum walks in synthetic gauge fields with three-dimensional integrated photonics. <i>Physical Review A</i> , 2017 , 95,	2.6	7
117	Photonic simulation of entanglement growth and engineering after a spin chain quench. <i>Nature Communications</i> , 2017 , 8, 1569	17.4	31
116	Experimental bilocality violation without shared reference frames. <i>Physical Review A</i> , 2017 , 95,	2.6	14
115	Experimental investigation on the geometry of GHZ states. <i>Scientific Reports</i> , 2017 , 7, 13265	4.9	14
114	Benchmarking integrated linear-optical architectures for quantum information processing. <i>Scientific Reports</i> , 2017 , 7, 15133	4.9	27
113	Maximal qubit violation of n-locality inequalities in a star-shaped quantum network. <i>New Journal of Physics</i> , 2017 , 19, 113020	2.9	22
112	Quantum state engineering using one-dimensional discrete-time quantum walks. <i>Physical Review A</i> , 2017 , 96,	2.6	15
111	Generalized Quantum Fast Transformations via Femtosecond Laser Writing Technique. <i>Interdisciplinary Information Sciences</i> , 2017 , 23, 115-118	0.2	
110	Birth and evolution of an optical vortex. <i>Optics Express</i> , 2016 , 24, 16390-5	3.3	13
109	Fast escape of a quantum walker from an integrated photonic maze. <i>Nature Communications</i> , 2016 , 7, 11682	17.4	47
108	Suppression law of quantum states in a 3D photonic fast Fourier transform chip. <i>Nature Communications</i> , 2016 , 7, 10469	17.4	72
107	Towards quantum supremacy with lossy scattershot boson sampling. <i>New Journal of Physics</i> , 2016 , 18, 113008	2.9	24

106	Let researchers try new paths. <i>Nature</i> , 2016 , 538, 451-453	50.4	4
105	Is my boson sampler working?. <i>New Journal of Physics</i> , 2016 , 18, 041001	2.9	11
104	Quantum-enhanced multiparameter estimation in multiarm interferometers. <i>Scientific Reports</i> , 2016 , 6, 28881	4.9	63
103	Path-polarization hyperentangled and cluster states of photons on a chip. <i>Light: Science and Applications</i> , 2016 , 5, e16064	16.7	47
102	Entangled vector vortex beams. <i>Physical Review A</i> , 2016 , 94,	2.6	41
101	Resilience of hybrid optical angular momentum qubits to turbulence. <i>Scientific Reports</i> , 2015 , 5, 8424	4.9	20
100	Particle statistics affects quantum decay and Fano interference. <i>Physical Review Letters</i> , 2015 , 114, 090201	2.1	46
99	All-optical non-Markovian stroboscopic quantum simulator. <i>Physical Review A</i> , 2015 , 91,	2.6	38
98	Quantum walks and wavepacket dynamics on a lattice with twisted photons. <i>Science Advances</i> , 2015 , 1, e1500087	14.3	109
97	Storage and retrieval of vector beams of light in a multiple-degree-of-freedom quantum memory. <i>Nature Communications</i> , 2015 , 6, 7706	17.4	155
96	Investigation on the quantum-to-classical transition by optical parametric amplification: Generation and detection of multiphoton quantum superposition. <i>Optics Communications</i> , 2015 , 337, 44-52	2	2
95	Testing noncontextuality inequalities that are building blocks of quantum correlations. <i>Physical Review A</i> , 2015 , 92,	2.6	9
94	Experimental on-demand recovery of entanglement by local operations within non-Markovian dynamics. <i>Scientific Reports</i> , 2015 , 5, 8575	4.9	116
93	Experimental scattershot boson sampling. <i>Science Advances</i> , 2015 , 1, e1400255	14.3	138
92	Thermally reconfigurable quantum photonic circuits at telecom wavelength by femtosecond laser micromachining. <i>Light: Science and Applications</i> , 2015 , 4, e354-e354	16.7	65
91	Arbitrary, direct and deterministic manipulation of vector beams via electrically-tuned q-plates. <i>Scientific Reports</i> , 2015 , 5, 7840	4.9	24
90	Device-independent certification of high-dimensional quantum systems. <i>Physical Review Letters</i> , 2014 , 112, 140503	7.4	26
89	Rotated waveplates in integrated waveguide optics. <i>Nature Communications</i> , 2014 , 5, 4249	17.4	81

88	Experimental validation of photonic boson sampling. <i>Nature Photonics</i> , 2014 , 8, 615-620	33.9	188
87	Free-space quantum key distribution by rotation-invariant twisted photons. <i>Physical Review Letters</i> , 2014 , 113, 060503	7.4	251
86	Fabrication of Quantum Photonic Integrated Circuits by Means of Femtosecond Laser Pulses. <i>Foundations of Physics</i> , 2014 , 44, 843-855	1.2	3
85	Experimental entanglement activation from discord in a programmable quantum measurement. <i>Physical Review Letters</i> , 2014 , 112, 140501	7.4	31
84	Arbitrary integrated multimode interferometers for the elaboration of photonic qubits 2014 ,		1
83	Generation of tunable entanglement and violation of a Bell-like inequality between different degrees of freedom of a single photon. <i>Physical Review A</i> , 2014 , 90,	2.6	19
82	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. <i>Physical Review A</i> , 2014 , 89,	2.6	20
81	Bayesian approach to Boson sampling validation. <i>International Journal of Quantum Information</i> , 2014 , 12, 1560028	0.8	28
80	Photonic polarization gears for ultra-sensitive angular measurements. <i>Nature Communications</i> , 2013 , 4, 2432	17.4	191
79	General rules for bosonic bunching in multimode interferometers. <i>Physical Review Letters</i> , 2013 , 111, 130503	7.4	47
78	Test of mutually unbiased bases for six-dimensional photonic quantum systems. <i>Scientific Reports</i> , 2013 , 3, 2726	4.9	27
77	Detection efficiency for loophole-free Bell tests with entangled states affected by colored noise. <i>Physical Review A</i> , 2013 , 87,	2.6	3
76	Anderson localization of entangled photons in an integrated quantum walk. <i>Nature Photonics</i> , 2013 , 7, 322-328	33.9	275
75	Joining the quantum state of two photons into one. <i>Nature Photonics</i> , 2013 , 7, 521-526	33.9	53
74	Integrated multimode interferometers with arbitrary designs for photonic boson sampling. <i>Nature Photonics</i> , 2013 , 7, 545-549	33.9	422
73	Experimental Implementation of a Kochen-Specker Set of Quantum Tests. <i>Physical Review X</i> , 2013 , 3,	9.1	39
72	Joining and splitting the quantum states of photons. <i>Physical Review A</i> , 2013 , 88,	2.6	7
71	Variational quantum process tomography of two-qubit maps. <i>Physical Review A</i> , 2013 , 87,	2.6	3

70	Three-photon bosonic coalescence in an integrated tritter. <i>Nature Communications</i> , 2013 , 4, 1606	17.4	107
69	Complete experimental toolbox for alignment-free quantum communication. <i>Nature Communications</i> , 2012 , 3, 961	17.4	205
68	Femtosecond laser waveguide writing for integrated quantum optics 2012 ,		2
67	Two-particle bosonic-fermionic quantum walk via integrated photonics. <i>Physical Review Letters</i> , 2012 , 108, 010502	7.4	367
66	Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. <i>Reviews of Modern Physics</i> , 2012 , 84, 1765-1789	40.5	19
65	Experimental observation of impossible-to-beat quantum advantage on a hybrid photonic system. <i>Physical Review Letters</i> , 2012 , 108, 090501	7.4	21
64	Testing sequential quantum measurements: how can maximal knowledge be extracted?. <i>Scientific Reports</i> , 2012 , 2, 443	4.9	14
63	Deterministic qubit transfer between orbital and spin angular momentum of single photons. <i>Optics Letters</i> , 2012 , 37, 172-4	3	21
62	Loophole-Free Bell Test Based on Local Precertification of Photon Presence. <i>Physical Review X</i> , 2012 , 2,	9.1	19
61	Continuous-variable nonlocality test performed over a multiphoton quantum state. <i>Physical Review A</i> , 2012 , 85,	2.6	4
60	Phase estimation via quantum interferometry for noisy detectors. <i>Physical Review Letters</i> , 2012 , 108, 233602	7.4	31
59	Insight on future quantum networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012 , 109, 20169-70	11.5	5
58	Quantum interferometry with three-dimensional geometry. <i>Scientific Reports</i> , 2012 , 2, 862	4.9	67
57	Spin-to-orbital conversion of the angular momentum of light and its classical and quantum applications. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 064001	1.7	309
56	Integrated photonic quantum gates for polarization qubits. <i>Nature Communications</i> , 2011 , 2, 566	17.4	192
55	Hybrid methods for witnessing entanglement in a microscopic-macroscopic system. <i>Physical Review A</i> , 2011 , 84,	2.6	18
54	Control of quantum transverse correlations on a four-photon system. <i>Optics Express</i> , 2011 , 19, 3715-29	3.3	10
53	Hybrid ququart-encoded quantum cryptography protected by Kochen-Specker contextuality. <i>Physical Review A</i> , 2011 , 84,	2.6	35

52	Generation of Highly Resilient to Decoherence Macroscopic Quantum Superpositions via Phase-covariant Quantum Cloning. <i>Foundations of Physics</i> , 2011 , 41, 492-508	1.2	
51	Resilience of orbital-angular-momentum photonic qubits and effects on hybrid entanglement. <i>Physical Review A</i> , 2011 , 83,	2.6	20
50	Bell experiments with random destination sources. <i>Physical Review A</i> , 2011 , 83,	2.6	11
49	Simulation of noise-assisted transport via optical cavity networks. <i>Physical Review A</i> , 2011 , 83,	2.6	24
48	Polarization entangled state measurement on a chip. <i>Physical Review Letters</i> , 2010 , 105, 200503	7.4	168
47	Measurement-induced quantum operations on multiphoton states. <i>Physical Review A</i> , 2010 , 82,	2.6	7
46	Entanglement criteria for microscopic-macroscopic systems. <i>Physical Review A</i> , 2010 , 82,	2.6	18
45	Resilience to decoherence of the macroscopic quantum superpositions generated by universally covariant optimal quantum cloning. <i>Physical Review A</i> , 2010 , 82,	2.6	4
44	Experimental generation and characterization of single-photon hybrid ququarts based on polarization and orbital angular momentum encoding. <i>Physical Review A</i> , 2010 , 81,	2.6	58
43	Coherent scattering of a multiphoton quantum superposition by a mirror BEC. <i>Physical Review Letters</i> , 2010 , 104, 050403	7.4	9
42	Enhanced resolution of lossy interferometry by coherent amplification of single photons. <i>Physical Review Letters</i> , 2010 , 105, 113602	7.4	20
41	Generation of hybrid polarization-orbital angular momentum entangled states. <i>Optics Express</i> , 2010 , 18, 18243-8	3.3	39
40	Experimental quantum process tomography of non-trace-preserving maps. <i>Physical Review A</i> , 2010 , 82,	2.6	39
39	Quantum-to-classical transition via fuzzy measurements on high-gain spontaneous parametric down-conversion. <i>Physical Review A</i> , 2010 , 81,	2.6	25
38	Experimental optimal cloning of four-dimensional quantum states of photons. <i>Physical Review Letters</i> , 2010 , 105, 073602	7.4	61
37	Complete analysis of measurement-induced entanglement localization on a three-photon system. <i>Physical Review A</i> , 2010 , 81,	2.6	2
36	Efficient Long Range Communication by Quantum Injected Optical Parametric Amplification. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2010 , 330-339	0.2	1
35	Anomalous lack of decoherence of the macroscopic quantum superpositions based on phase-covariant quantum cloning. <i>Physical Review Letters</i> , 2009 , 103, 100501	7.4	13

34	Experimental quantum private queries with linear optics. <i>Physical Review A</i> , 2009 , 80,	2.6	59
33	Decoherence, environment-induced superselection, and classicality of a macroscopic quantum superposition generated by quantum cloning. <i>Physical Review A</i> , 2009 , 79,	2.6	16
32	MACROSCOPIC QUANTUM ENTANGLEMENT IN LIGHT REFLECTION FROM BOSE-EINSTEIN CONDENSATES. <i>International Journal of Quantum Information</i> , 2009 , 07, 171-177	0.8	
31	Optimal quantum cloning of orbital angular momentum photon qubits through HongOuMandel coalescence. <i>Nature Photonics</i> , 2009 , 3, 720-723	33.9	158
30	Amplification of polarization NOON states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2009 , 26, 892	1.7	8
29	Wigner-function theory and decoherence of the quantum-injected optical parametric amplifier. <i>Physical Review A</i> , 2009 , 80,	2.6	32
28	Quantum information transfer from spin to orbital angular momentum of photons. <i>Physical Review Letters</i> , 2009 , 103, 013601	7.4	253
27	EXPERIMENTAL ENTANGLEMENT RESTORATION ON NOISY CHANNELS BY MEASURING ENVIRONMENT. <i>International Journal of Quantum Information</i> , 2009 , 07, 1-8	0.8	4
26	Entanglement localization after coupling to an incoherent noisy system. <i>Physical Review A</i> , 2009 , 79,	2.6	8
25	Entanglement-seeded, dual, optical parametric amplification: Applications to quantum imaging and metrology. <i>Physical Review A</i> , 2008 , 78,	2.6	25
24	Polarization preserving ultra fast optical shutter for quantum information processing. <i>Optics Express</i> , 2008 , 16, 17609-15	3.3	10
23	Experimental sub-Rayleigh resolution by an unseeded high-gain optical parametric amplifier for quantum lithography. <i>Physical Review A</i> , 2008 , 77,	2.6	25
22	Entanglement test on a microscopic-macroscopic system. <i>Physical Review Letters</i> , 2008 , 100, 253601	7.4	84
21	Hong-Ou-Mandel interferometer with one and two photon pairs. <i>Physical Review A</i> , 2008 , 77,	2.6	17
20	Entanglement, Einstein Podolsky Rosen correlations and Schrodinger cat state generation by quantum-injected optical parametric amplification. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2007 , 40, 2977-2988	2	3
19	Experimental realization of macroscopic coherence by phase-covariant cloning of a single photon. <i>Physical Review A</i> , 2007 , 76,	2.6	44
18	Implementation of optimal phase-covariant cloning machines. <i>Physical Review A</i> , 2007 , 76,	2.6	18
17	Experimental test of the no-signaling theorem. <i>Physical Review Letters</i> , 2007 , 99, 193601	7.4	9

16	Nonseparable Werner states in spontaneous parametric down-conversion. <i>Physical Review A</i> , 2006 , 73,	2.6	17
15	Entanglement, EPR correlations, and mesoscopic quantum superposition by the high-gain quantum injected parametric amplification. <i>Physical Review A</i> , 2006 , 74,	2.6	5
14	Experimental reversion of the optimal quantum cloning and flipping processes. <i>Physical Review A</i> , 2006 , 73,	2.6	6
13	Experimental high-gain quantum-injected optical parametric amplification and multiphoton phase-covariant cloning. <i>Laser Physics</i> , 2006 , 16, 1551-1556	1.2	3
12	Non-linear parametric processes in quantum information. <i>Progress in Quantum Electronics</i> , 2005 , 29, 165-256	2.56	33
11	Manipulating quantum information via quantum cloning. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2005 , 7, S664-S671		1
10	Realization of the optimal phase-covariant quantum cloning machine. <i>Physical Review A</i> , 2005 , 72,	2.6	41
9	Realization of an optimally distinguishable multiphoton quantum superposition. <i>Physical Review Letters</i> , 2005 , 95, 240401	7.4	23
8	Contextual, optimal, and universal realization of the quantum cloning machine and of the NOT gate. <i>Physical Review Letters</i> , 2004 , 92, 067901	7.4	64
7	Realization of the optimal universal quantum entangler. <i>Physical Review A</i> , 2004 , 70,	2.6	1
6	Optimal quantum machines by linear and non-linear optics. <i>Fortschritte Der Physik</i> , 2004 , 52, 1070-1079	5.7	
5	Quantum cloning and universal NOT gate by teleportation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004 , 323, 34-39	2.3	20
4	A theoretical and experimental study of fluctuations of the optical parametric oscillator. <i>Optics and Lasers in Engineering</i> , 2002 , 37, 585-599	4.6	4
3	Experimental realization of the quantum universal NOT gate. <i>Nature</i> , 2002 , 419, 815-8	50.4	130
2	Teleportation of a vacuum--one-photon qubit. <i>Physical Review Letters</i> , 2002 , 88, 070402	7.4	156
1	Twin beams correlation and single beam noise for triply resonant KTP OPOs. <i>Optics Communications</i> , 2001 , 194, 373-379	2	14