

# Fabio Sciarrino

## List of Publications by Year in descending order

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Version: 2024-02-01

228  
papers

11,267  
citations

31902

53  
h-index

31759

101  
g-index

229  
all docs

229  
docs citations

229  
times ranked

6659  
citing authors

#	ARTICLE	IF	CITATIONS
1	The potential and global outlook of integrated photonics for quantum technologies. Nature Reviews Physics, 2022, 4, 194-208.	11.9	151
2	<i>Ab initio</i> experimental violation of Bell inequalities. Physical Review Research, 2022, 4, .	1.3	12
3	Experimental test of quantum causal influences. Science Advances, 2022, 8, eabm1515.	4.7	10
4	Quantum walks of two correlated photons in a 2D synthetic lattice. Npj Quantum Information, 2022, 8, .	2.8	13
5	Reconfigurable continuously-coupled 3D photonic circuit for Boson Sampling experiments. Npj Quantum Information, 2022, 8, .	2.8	15
6	Two-photon interference: the Hongâ€“Ouâ€“Mandel effect. Reports on Progress in Physics, 2021, 84, 012402.	8.1	83
7	Robust self-testing on photonic quantum networks. , 2021, , .		0
8	Entanglement transfer, accumulation and retrieval via quantum-walk-based qubitâ€“qudit dynamics. New Journal of Physics, 2021, 23, 023012.	1.2	10
9	Quantum key distribution with entangled photons generated on demand by a quantum dot. Science Advances, 2021, 7, .	4.7	80
10	The race towards quantum computational advantage: milestone photonic experiment. Science Bulletin, 2021, 66, 637-639.	4.3	0
11	Witnesses of coherence and dimension from multiphoton indistinguishability tests. Physical Review Research, 2021, 3, .	1.3	7
12	Calibration of Multiparameter Sensors via Machine Learning at the Single-Photon Level. Physical Review Applied, 2021, 15, .	1.5	23
13	Experimental Robust Self-Testing of the State Generated by a Quantum Network. PRX Quantum, 2021, 2, .	3.5	14
14	Enhanced detection techniques of orbital angular momentum states in the classical and quantum regimes. New Journal of Physics, 2021, 23, 073014.	1.2	11
15	Engineering High-dimensional Entangled States via Discrete-time Quantum Walks. , 2021, , .		0
16	Witnesses of coherence and dimension from multiphoton indistinguishability tests. , 2021, , .		0
17	Experimental violation of n-locality in a star quantum network[1]. , 2021, , .		0
18	Causal Networks and Freedom of Choice in Bellâ€™s Theorem. PRX Quantum, 2021, 2, .	3.5	22

#	ARTICLE	IF	CITATIONS
19	Quantifying n-photon Indistinguishability with an Integrated Multi-Port Interferometer. , 2021, , .		0
20	Ab-initio Automated Optimization of Nonlocality in Photonic Quantum States. , 2021, , .		0
21	Experimental Estimation of Causal Influences in the Presence of Quantum Common Cause. , 2021, , .		0
22	Adaptive two-phase estimation on a photonic integrated device. , 2021, , .		0
23	Single-photon Calibration of an Integrated Multiarm Interferometer via Neural Netowrks. , 2021, , .		0
24	Integrated photonic quantum technologies. Nature Photonics, 2020, 14, 273-284.	15.6	724
25	Photonic quantum metrology. AVS Quantum Science, 2020, 2, .	1.8	226
26	Multiphase estimation without a reference mode. Physical Review A, 2020, 102, .	1.0	21
27	Experimental adaptive Bayesian estimation of multiple phases with limited data. Npj Quantum Information, 2020, 6, .	2.8	26
28	Experimental violation of n-locality in a star quantum network. Nature Communications, 2020, 11, 2467.	5.8	41
29	Experimental device-independent certified randomness generation with an instrumental causal structure. Communications Physics, 2020, 3, .	2.0	17
30	Experimental quantification of four-photon indistinguishability. New Journal of Physics, 2020, 22, 043001.	1.2	18
31	Validating multi-photon quantum interference with finite data. Quantum Science and Technology, 2020, 5, 045005.	2.6	4
32	Diagnosing Imperfections in Quantum Sensors via Generalized Cram�r-Rao Bounds. Physical Review Applied, 2020, 13, .	1.5	5
33	Machine Learning-Based Classification of Vector Vortex Beams. Physical Review Letters, 2020, 124, 160401.	2.9	88
34	Adaptive phase estimation through a genetic algorithm. Physical Review Research, 2020, 2, .	1.3	12
35	Criteria for nonclassicality in the prepare-and-measure scenario. Physical Review Research, 2020, 2, .	1.3	6
36	Transmission of vector vortex beams in dispersive media. Advanced Photonics, 2020, 2, 1.	6.2	52

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37	Propagation of structured light through tissue-mimicking phantoms. <i>Optics Express</i> , 2020, 28, 35427.	1.7	8
38	Device-independent test of a delayed choice experiment. <i>Physical Review A</i> , 2019, 100, .	1.0	19
39	Experimental Connection between the Instrumental and Bell Inequalities. <i>Proceedings (mdpi)</i> , 2019, 12, .	0.2	5
40	Twenty Years of Quantum State Teleportation at the Sapienza University in Rome. <i>Entropy</i> , 2019, 21, 768.	1.1	3
41	Experimental Investigation of Superdiffusion via Coherent Disordered Quantum Walks. <i>Physical Review Letters</i> , 2019, 123, 140501.	2.9	28
42	Visual assessment of multi-photon interference. <i>Quantum Science and Technology</i> , 2019, 4, 024008.	2.6	16
43	Experimental semi-device-independent tests of quantum channels. <i>Quantum Science and Technology</i> , 2019, 4, 035004.	2.6	6
44	All-optical implementation of collision-based evolutions of open quantum systems. <i>Scientific Reports</i> , 2019, 9, 3205.	1.6	36
45	The race for quantum supremacy: pushing the classical limit for photonic hardware. <i>National Science Review</i> , 2019, 6, 2-3.	4.6	11
46	Experimental learning of quantum states. <i>Science Advances</i> , 2019, 5, eaau1946.	4.7	46
47	Experimental Investigation of Quantum Decay at Short, Intermediate, and Long Times via Integrated Photonics. <i>Physical Review Letters</i> , 2019, 122, 130401.	2.9	30
48	Pattern Recognition Techniques for Boson Sampling Validation. <i>Physical Review X</i> , 2019, 9, .	2.8	33
49	Witnessing Genuine Multiphoton Indistinguishability. <i>Physical Review Letters</i> , 2019, 122, 063602.	2.9	28
50	Calibration of Quantum Sensors by Neural Networks. <i>Physical Review Letters</i> , 2019, 123, 230502.	2.9	38
51	Tunable Two-Photon Quantum Interference of Structured Light. <i>Physical Review Letters</i> , 2019, 122, 013601.	2.9	23
52	Photonic quantum information processing: a review. <i>Reports on Progress in Physics</i> , 2019, 82, 016001.	8.1	402
53	Experimental Engineering of Arbitrary Qudit States with Discrete-Time Quantum Walks. <i>Physical Review Letters</i> , 2019, 122, 020503.	2.9	68
54	Air-core fiber distribution of hybrid vector vortex-polarization entangled states. <i>Advanced Photonics</i> , 2019, 1, 1.	6.2	74

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55	Experimental multiphase estimation on a chip. <i>Optica</i> , 2019, 6, 288.	4.8	60
56	Interfacing scalable photonic platforms: solid-state based multi-photon interference in a reconfigurable glass chip. <i>Optica</i> , 2019, 6, 1471.	4.8	30
57	Visual assessment of multiphoton interference. , 2019, , .		0
58	Observation of Quantum Decay Dynamics in an Integrated Photonic Chip. , 2019, , .		0
59	Validation of multi-photon interference in photonic boson sampling. , 2019, , .		0
60	Machine Learning For Experimental Single Shot Phase Estimation. , 2019, , .		0
61	First observation of the quantized exciton-polariton field and effect of interactions on a single polariton. <i>Science Advances</i> , 2018, 4, eaao6814.	4.7	57
62	Experimental statistical signature of many-body quantum interference. <i>Nature Photonics</i> , 2018, 12, 173-178.	15.6	63
63	Experimental generalized quantum suppression law in Sylvester interferometers. <i>New Journal of Physics</i> , 2018, 20, 033017.	1.2	32
64	Quantum violation of an instrumental test. <i>Nature Physics</i> , 2018, 14, 291-296.	6.5	52
65	Optimal photonic indistinguishability tests in multimode networks. <i>Science Bulletin</i> , 2018, 63, 1470-1478.	4.3	16
66	Observation of photonic states dynamics in 3-D integrated Fourier circuits. <i>Journal of Optics (United Kingdom)</i> 18, 030701. <small>Tj ETQq0 0 0 rBT /Overlock 10 Tf</small>	1.0	18
67	Experimental Study of Nonclassical Teleportation Beyond Average Fidelity. <i>Physical Review Letters</i> , 2018, 121, 140501.	2.9	9
68	Symmetry Protection of Photonic Entanglement in the Interaction with a Single Nanoaperture. <i>Physical Review Letters</i> , 2018, 121, 173901.	2.9	18
69	Experimental Phase Estimation Enhanced by Machine Learning. <i>Physical Review Applied</i> , 2018, 10, .	1.5	70
70	Hongâ€™Ouâ€™Mandel control through spectral shaping. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 085201.	1.0	1
71	Integrated sources of entangled photons at the telecom wavelength in femtosecond-laser-written circuits. <i>Optica</i> , 2018, 5, 311.	4.8	67
72	Experimental Statistical Signature of Many-body Quantum Interference. , 2018, , .		0

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73	Observing quantum interference in 3D integrated-photon symmetric multiports. Proceedings of SPIE, 2017, , .	0.8	0
74	Experimental violation of local causality in a quantum network. Nature Communications, 2017, 8, 14775.	5.8	57
75	Single-Photon Quantum Contextuality on a Chip. ACS Photonics, 2017, 4, 2807-2812.	3.2	16
76	Optimal Measurements for Simultaneous Quantum Estimation of Multiple Phases. Physical Review Letters, 2017, 119, 130504.	2.9	119
77	Entanglement of photons in their dual wave-particle nature. Nature Communications, 2017, 8, 915.	5.8	63
78	What Hong-Ou-Mandel interference says on two-photon frequency entanglement. Scientific Reports, 2017, 7, 7247.	1.6	22
79	Quantum walks in synthetic gauge fields with three-dimensional integrated photonics. Physical Review A, 2017, 95, .	1.0	16
80	Photonic simulation of entanglement growth and engineering after a spin chain quench. Nature Communications, 2017, 8, 1569.	5.8	48
81	Experimental bilocality violation without shared reference frames. Physical Review A, 2017, 95, .	1.0	33
82	Experimental investigation on the geometry of GHZ states. Scientific Reports, 2017, 7, 13265.	1.6	16
83	Benchmarking integrated linear-optical architectures for quantum information processing. Scientific Reports, 2017, 7, 15133.	1.6	33
84	Maximal qubit violation of n-locality inequalities in a star-shaped quantum network. New Journal of Physics, 2017, 19, 113020.	1.2	53
85	Quantum state engineering using one-dimensional discrete-time quantum walks. Physical Review A, 2017, 96, .	1.0	29
86	Genetic algorithms to learn an unknown linear transformation. , 2017, , .		0
87	Quantum simulation of spin chain dynamics via integrated photonics. , 2017, , .		0
88	Stroboscopic evolutions of quantum states and quantum walks in a double-Sagnac interferometric configuration. , 2017, , .		0
89	Learning an unknown transformation via a genetic approach. Scientific Reports, 2017, 7, 14316.	1.6	24
90	Generalized Quantum Fast Transformations via Femtosecond Laser Writing Technique. Interdisciplinary Information Sciences, 2017, 23, 115-118.	0.2	1

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91	Towards quantum supremacy with lossy scattershot boson sampling. <i>New Journal of Physics</i> , 2016, 18, 113008.	1.2	28
92	Implementation and certification of Boson Sampling with integrated photonics. , 2016, , .		0
93	Let researchers try new paths. <i>Nature</i> , 2016, 538, 451-453.	13.7	4
94	Is my boson sampler working?. <i>New Journal of Physics</i> , 2016, 18, 041001.	1.2	12
95	Quantum-enhanced multiparameter estimation in multiarm interferometers. <i>Scientific Reports</i> , 2016, 6, 28881.	1.6	84
96	Path-polarization hyperentangled and cluster states of photons on a chip. <i>Light: Science and Applications</i> , 2016, 5, e16064-e16064.	7.7	73
97	Entangled vector vortex beams. <i>Physical Review A</i> , 2016, 94, .	1.0	63
98	Birth and evolution of an optical vortex. <i>Optics Express</i> , 2016, 24, 16390.	1.7	16
99	Fast escape of a quantum walker from an integrated photonic maze. <i>Nature Communications</i> , 2016, 7, 11682.	5.8	72
100	Suppression law of quantum states in a 3D photonic fast Fourier transform chip. <i>Nature Communications</i> , 2016, 7, 10469.	5.8	105
101	Photonic Simulation of Entanglement Generation and Transfer in a Spin Chain. , 2016, , .		0
102	Observing Multi-Photon Interference and Suppression Laws in 3D Photonic Chips. , 2016, , .		0
103	Testing noncontextuality inequalities that are building blocks of quantum correlations. <i>Physical Review A</i> , 2015, 92, .	1.0	14
104	Experimental on-demand recovery of entanglement by local operations within non-Markovian dynamics. <i>Scientific Reports</i> , 2015, 5, 8575.	1.6	132
105	Experimental scattershot boson sampling. <i>Science Advances</i> , 2015, 1, e1400255.	4.7	184
106	Thermally reconfigurable quantum photonic circuits at telecom wavelength by femtosecond laser micromachining. <i>Light: Science and Applications</i> , 2015, 4, e354-e354.	7.7	103
107	Arbitrary, direct and deterministic manipulation of vector beams via electrically-tuned q-plates. <i>Scientific Reports</i> , 2015, 5, 7840.	1.6	30
108	Resilience of hybrid optical angular momentum qubits to turbulence. <i>Scientific Reports</i> , 2015, 5, 8424.	1.6	23

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109	Particle Statistics Affects Quantum Decay and Fano Interference. <i>Physical Review Letters</i> , 2015, 114, 090201.	2.9	56
110	All-optical non-Markovian stroboscopic quantum simulator. <i>Physical Review A</i> , 2015, 91, .	1.0	50
111	Quantum walks and wavepacket dynamics on a lattice with twisted photons. <i>Science Advances</i> , 2015, 1, e1500087.	4.7	148
112	Storage and retrieval of vector beams of light in a multiple-degree-of-freedom quantum memory. <i>Nature Communications</i> , 2015, 6, 7706.	5.8	214
113	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.	1.0	2
114	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, .	1.0	23
115	Quantum simulation of bosonic-fermionic noninteracting particles in disordered systems via a quantum walk. <i>Physical Review A</i> , 2014, 89, .	1.0	28
116	From q-plates to the photonic gear: tailoring the rotational properties of light. <i>Proceedings of SPIE</i> , 2014, , .	0.8	0
117	Bayesian approach to Boson sampling validation. <i>International Journal of Quantum Information</i> , 2014, 12, 1560028.	0.6	36
118	Device-Independent Certification of High-Dimensional Quantum Systems. <i>Physical Review Letters</i> , 2014, 112, 140503.	2.9	33
119	Rotated waveplates in integrated waveguide optics. <i>Nature Communications</i> , 2014, 5, 4249.	5.8	111
120	Experimental validation of photonic boson sampling. <i>Nature Photonics</i> , 2014, 8, 615-620.	15.6	244
121	Free-Space Quantum Key Distribution by Rotation-Invariant Twisted Photons. <i>Physical Review Letters</i> , 2014, 113, 060503.	2.9	331
122	Fabrication of Quantum Photonic Integrated Circuits by Means of Femtosecond Laser Pulses. <i>Foundations of Physics</i> , 2014, 44, 843-855.	0.6	5
123	Experimental Entanglement Activation from Discord in a Programmable Quantum Measurement. <i>Physical Review Letters</i> , 2014, 112, 140501.	2.9	42
124	Arbitrary integrated multimode interferometers for the elaboration of photonic qubits. , 2014, , .		1
125	Alignment-free QKD along a free-space channel combining spinorial and orbital angular momentum. , 2014, , .		0
126	Experimental Boson Sampling with integrated photonics. , 2014, , .		0



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127	Joining the quantum state of two photons into one. , 2014, , .		0
128	Micro meets macro. Nature Physics, 2013, 9, 529-529.	6.5	1
129	Photonic polarization gears for ultra-sensitive angular measurements. Nature Communications, 2013, 4, 2432.	5.8	257
130	General Rules for Bosonic Bunching in Multimode Interferometers. Physical Review Letters, 2013, 111, 130503.	2.9	64
131	Test of mutually unbiased bases for six-dimensional photonic quantum systems. Scientific Reports, 2013, 3, 2726.	1.6	35
132	Detection efficiency for loophole-free Bell tests with entangled states affected by colored noise. Physical Review A, 2013, 87, .	1.0	3
133	Anderson localization of entangled photons in an integrated quantum walk. Nature Photonics, 2013, 7, 322-328.	15.6	372
134	Joining the quantum state of two photons into one. Nature Photonics, 2013, 7, 521-526.	15.6	65
135	Integrated multimode interferometers with arbitrary designs for photonic boson sampling. Nature Photonics, 2013, 7, 545-549.	15.6	528
136	Experimental Implementation of a Kochen-Specker Set of Quantum Tests. Physical Review X, 2013, 3, .	2.8	49
137	Quantum simulation with integrated photonics. , 2013, , .		0
138	Joining and splitting the quantum states of photons. Physical Review A, 2013, 88, .	1.0	9
139	Femtosecond laser written photonic circuits for quantum simulation. , 2013, , .		0
140	Variational quantum process tomography of two-qubit maps. Physical Review A, 2013, 87, .	1.0	4
141	Three-photon bosonic coalescence in an integrated tritter. Nature Communications, 2013, 4, 1606.	5.8	139
142	Bosonic and Fermionic Discrete-Time Quantum Walk on Integrated Optics. Journal of Computational and Theoretical Nanoscience, 2013, 10, 1662-1666.	0.4	1
143	Fundamental tests on higher quantum dimensionality by exploiting the photonic orbital angular momentum. , 2012, , .		0
144	Loophole-Free Bell Test Based on Local Precertification of Photonâ€™s Presence. Physical Review X, 2012, 2, .	2.8	23

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145	Continuous-variable nonlocality test performed over a multiphoton quantum state. Physical Review A, 2012, 85, .	1.0	4
146	Phase Estimation via Quantum Interferometry for Noisy Detectors. Physical Review Letters, 2012, 108, 233602.	2.9	39
147	Insight on future quantum networks. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 20169-20170.	3.3	6
148	Simulation of quantum dynamics with integrated photonics. , 2012, , .		0
149	Integrated devices for quantum information and quantum simulation with polarization encoded qubits. Proceedings of SPIE, 2012, , .	0.8	0
150	Quantum interferometry with three-dimensional geometry. Scientific Reports, 2012, 2, 862.	1.6	87
151	Complete experimental toolbox for alignment-free quantum communication. Nature Communications, 2012, 3, 961.	5.8	264
152	Femtosecond laser waveguide writing for integrated quantum optics. , 2012, , .		2
153	Two-Particle Bosonic-Fermionic Quantum Walk via Integrated Photonics. Physical Review Letters, 2012, 108, 010502.	2.9	468
154	Colloquium: Multiparticle quantum superpositions and the quantum-to-classical transition. Reviews of Modern Physics, 2012, 84, 1765-1789.	16.4	24
155	Experimental Observation of Impossible-to-Beat Quantum Advantage on a Hybrid Photonic System. Physical Review Letters, 2012, 108, 090501.	2.9	28
156	Testing sequential quantum measurements: how can maximal knowledge be extracted?. Scientific Reports, 2012, 2, 443.	1.6	19
157	Deterministic qubit transfer between orbital and spin angular momentum of single photons. Optics Letters, 2012, 37, 172.	1.7	26
158	Integrated photonic quantum information processing based on polarization encoding. , 2012, , .		0
159	Resilience of orbital-angular-momentum photonic qubits and effects on hybrid entanglement. Physical Review A, 2011, 83, .	1.0	21
160	Spin-to-orbital conversion of the angular momentum of light and its classical and quantum applications. Journal of Optics (United Kingdom), 2011, 13, 064001.	1.0	394
161	Integrated photonic quantum gates for polarization qubits. Nature Communications, 2011, 2, 566.	5.8	251
162	Hybrid methods for witnessing entanglement in a microscopic-macroscopic system. Physical Review A, 2011, 84, .	1.0	23

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163	Control of quantum transverse correlations on a four-photon system. <i>Optics Express</i> , 2011, 19, 3715.	1.7	12
164	Hybrid ququart-encoded quantum cryptography protected by Kochen-Specker contextuality. <i>Physical Review A</i> , 2011, 84, .	1.0	42
165	Polarization entangled state measurement on a chip. , 2011, , .		0
166	Enhanced resolution in lossy phase estimation by optical parametric amplification. , 2011, , .		0
167	Generation of Highly Resilient to Decoherence Macroscopic Quantum Superpositions via Phase-covariant Quantum Cloning. <i>Foundations of Physics</i> , 2011, 41, 492-508.	0.6	0
168	Bell experiments with random destination sources. <i>Physical Review A</i> , 2011, 83, .	1.0	13
169	Simulation of noise-assisted transport via optical cavity networks. <i>Physical Review A</i> , 2011, 83, .	1.0	28
170	Engineering of photonic orbital angular momentum quantum states for quantum information processing. , 2011, , .		0
171	Sequential quantum measurements on entangled states. , 2011, , .		0
172	Polarization entangled states measurement on a chip. , 2011, , .		18
173	Enhanced resolution of lossy interferometry by coherent amplification of single photons. , 2011, , .		0
174	Quantum-to-classical transition via fuzzy measurements on high gain spontaneous parametric down-conversion. , 2011, , .		1
175	Polarization Entangled State Measurement on a Chip. <i>Physical Review Letters</i> , 2010, 105, 200503.	2.9	216
176	Measurement-induced quantum operations on multiphoton states. <i>Physical Review A</i> , 2010, 82, .	1.0	7
177	Entanglement criteria for microscopic-macroscopic systems. <i>Physical Review A</i> , 2010, 82, .	1.0	20
178	Resilience to decoherence of the macroscopic quantum superpositions generated by universally covariant optimal quantum cloning. <i>Physical Review A</i> , 2010, 82, .	1.0	5
179	Experimental generation and characterization of single-photon hybrid ququarts based on polarization and orbital angular momentum encoding. <i>Physical Review A</i> , 2010, 81, .	1.0	72
180	Coherent Scattering of a Multiphoton Quantum Superposition by a Mirror BEC. <i>Physical Review Letters</i> , 2010, 104, 050403.	2.9	10

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181	Enhanced Resolution of Lossy Interferometry by Coherent Amplification of Single Photons. Physical Review Letters, 2010, 105, 113602.	2.9	25
182	Generation of hybrid polarization-orbital angular momentum entangled states. Optics Express, 2010, 18, 18243.	1.7	54
183	Experimental quantum process tomography of non-trace-preserving maps. Physical Review A, 2010, 82, .	1.0	54
184	Quantum-to-classical transition via fuzzy measurements on high-gain spontaneous parametric down-conversion. Physical Review A, 2010, 81, .	1.0	28
185	Experimental Optimal Cloning of Four-Dimensional Quantum States of Photons. Physical Review Letters, 2010, 105, 073602.	2.9	75
186	Complete analysis of measurement-induced entanglement localization on a three-photon system. Physical Review A, 2010, 81, .	1.0	3
187	Efficient Long Range Communication by Quantum Injected Optical Parametric Amplification. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 330-339.	0.2	1
188	Non Locality in a Micro-Macroscopic Photon System. , 2009, , .		0
189	Anomalous Lack of Decoherence of the Macroscopic Quantum Superpositions Based on Phase-Covariant Quantum Cloning. Physical Review Letters, 2009, 103, 100501.	2.9	15
190	Experimental quantum private queries with linear optics. Physical Review A, 2009, 80, .	1.0	67
191	Decoherence, environment-induced superselection, and classicality of a macroscopic quantum superposition generated by quantum cloning. Physical Review A, 2009, 79, .	1.0	19
192	Entanglement and Decoherence in a Microscopic-Macroscopic system. , 2009, , .		0
193	MACROSCOPIC QUANTUM ENTANGLEMENT IN LIGHT REFLECTION FROM BOSE-EINSTEIN CONDENSATES. International Journal of Quantum Information, 2009, 07, 171-177.	0.6	1
194	Optimal quantum cloning of orbital angular momentum photon qubits through Hongâ€“Ouâ€“Mandel coalescence. Nature Photonics, 2009, 3, 720-723.	15.6	203
195	Amplification of polarization NOON states. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 892.	0.9	12
196	Wigner-function theory and decoherence of the quantum-injected optical parametric amplifier. Physical Review A, 2009, 80, .	1.0	33
197	Quantum Information Transfer from Spin to Orbital Angular Momentum of Photons. Physical Review Letters, 2009, 103, 013601.	2.9	323
198	EXPERIMENTAL ENTANGLEMENT RESTORATION ON NOISY CHANNELS BY MEASURING ENVIRONMENT. International Journal of Quantum Information, 2009, 07, 1-8.	0.6	4

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199	Entanglement localization after coupling to an incoherent noisy system. <i>Physical Review A</i> , 2009, 79, .	1.0	9
200	Micro-macro entangled photon systems: results and perspectives. <i>Proceedings of SPIE</i> , 2009, , .	0.8	0
201	Entanglement-seeded, dual, optical parametric amplification: Applications to quantum imaging and metrology. <i>Physical Review A</i> , 2008, 78, .	1.0	30
202	Polarization preserving ultra fast optical shutter for quantum information processing. <i>Optics Express</i> , 2008, 16, 17609.	1.7	10
203	Experimental sub-Rayleigh resolution by an unseeded high-gain optical parametric amplifier for quantum lithography. <i>Physical Review A</i> , 2008, 77, .	1.0	31
204	Entanglement Test on a Microscopic-Macroscopic System. <i>Physical Review Letters</i> , 2008, 100, 253601.	2.9	97
205	Hong-Ou-Mandel interferometer with one and two photon pairs. <i>Physical Review A</i> , 2008, 77, .	1.0	19
206	Macroscopic quantum entanglement. <i>Proceedings of SPIE</i> , 2008, , .	0.8	0
207	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.	0.7	4
208	Experimental realization of macroscopic coherence by phase-covariant cloning of a single photon. <i>Physical Review A</i> , 2007, 76, .	1.0	48
209	Implementation of optimal phase-covariant cloning machines. <i>Physical Review A</i> , 2007, 76, .	1.0	19
210	Experimental Test of the No-Signaling Theorem. <i>Physical Review Letters</i> , 2007, 99, 193601.	2.9	10
211	Einstein Podolsky Rosen correlations involving mesoscopic quantum systems. <i>AIP Conference Proceedings</i> , 2006, , .	0.3	0
212	Experimental high-gain quantum-injected optical parametric amplification and multiphoton phase-covariant cloning. <i>Laser Physics</i> , 2006, 16, 1551-1556.	0.6	3
213	Nonseparable Werner states in spontaneous parametric down-conversion. <i>Physical Review A</i> , 2006, 73, .	1.0	18
214	Entanglement, EPR correlations, and mesoscopic quantum superposition by the high-gain quantum injected parametric amplification. <i>Physical Review A</i> , 2006, 74, .	1.0	5
215	Experimental reversion of the optimal quantum cloning and flipping processes. <i>Physical Review A</i> , 2006, 73, .	1.0	6
216	Non-linear parametric processes in quantum information. <i>Progress in Quantum Electronics</i> , 2005, 29, 165-256.	3.5	38

#	ARTICLE	IF	CITATIONS
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224	Teleportation of a Vacuum One-Photon Qubit. <i>Physical Review Letters</i> , 2002, 88, 070402.	2.9	178
225	A theoretical and experimental study of fluctuations of the optical parametric oscillator. <i>Optics and Lasers in Engineering</i> , 2002, 37, 585-599.	2.0	4
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