Paulo H S Ribeiro

List of Publications by Year
in descending order

93 papers	4,366 citations	147566 31 h-index	106150 65 g-index
94 all docs	94 docs citations	94 times ranked	2197 citing authors

#	Article	IF	Citations
1	An all-digital approach for versatile hybrid entanglement generation. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 1	1.0	3
2	Stimulated Parametric Down-Conversion with Vector Vortex Beams. Physical Review Applied, 2021, 15, .	1.5	12
3	Machine-learning recognition of light orbital-angular-momentum superpositions. Physical Review A, 2021, 103, .	1.0	29
4	Decomposing Spatial Mode Superpositions with a Triangular Optical Cavity. Physical Review Applied, 2021, 16, .	1.5	1
5	Beyond Conservation of Orbital Angular Momentum in Stimulated Parametric Down-Conversion. Physical Review Applied, 2021, 16, .	1.5	5
6	Remote preparation of single photon vortex thermal states. European Physical Journal Plus, 2020, 135, 1.	1.2	3
7	Full thermalization of a photonic qubit. Physics Letters, Section A: General, Atomic and Solid State Physics, 2020, 384, 126933.	0.9	5
8	Quantum Optical Description of Phase Conjugation of Vector Vortex Beams in Stimulated Parametric Down-Conversion. Physical Review Applied, 2020, 14, .	1.5	13
9	Experimental study of the generalized Jarzynski fluctuation relation using entangled photons. Physical Review A, 2020, 101, .	1.0	13
10	Observation of two-photon coalescence in weak coherent wave packets. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 2901.	0.9	2
11	Experimental Quantum Thermodynamics with Linear Optics. Brazilian Journal of Physics, 2019, 49, 783-798.	0.7	12
12	Phase Conjugation and Mode Conversion in Stimulated Parametric Down-Conversion with Orbital Angular Momentum: a Geometrical Interpretation. Brazilian Journal of Physics, 2019, 49, 10-16.	0.7	8
13	Direct Measurement of the Topological Charge in Elliptical Beams Using Diffraction by a Triangular Aperture. Scientific Reports, 2018, 8, 6370.	1.6	34
14	Testing for entanglement with periodic coarse graining. Physical Review A, 2018, 97, .	1.0	8
15	Experimental study of quantum thermodynamics using optical vortices. Journal of Physics Communications, 2018, 2, 035012.	0.5	11
16	Klyshko's advanced-wave picture in stimulated parametric down-conversion with a spatially structured pump beam. Physical Review A, 2018, 98, .	1.0	12
17	Experimental multipartite entanglement and randomness certification of the W state in the quantum steering scenario. Quantum Science and Technology, 2017, 2, 015011.	2.6	18
18	Work distribution in a photonic system. Physical Review A, 2016, 94, .	1.0	8

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19	Deterministic quantum computation with one photonic qubit. Physical Review A, 2015, 92, .	1.0	20
20	Detection of entanglement in asymmetric quantum networks and multipartite quantum steering. Nature Communications, 2015, 6, 7941.	5.8	137
21	Optical integration of a real-valued function by measurement of a Stokes parameter. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2014, 31, 704.	0.8	6
22	Experimental Entanglement Redistribution under Decoherence Channels. Physical Review Letters, 2014, 113, 240501.	2.9	32
23	Characterization of a spatial light modulator as a polarization quantum channel. Physical Review A, 2014, 89, .	1.0	14
24	Ancilla-Assisted Measurement of Photonic Spatial Correlations and Entanglement. Physical Review Letters, 2014, 112, 053602.	2.9	14
25	Non-Markovianity through flow of information between a system and an environment. Physical Review A, 2014, 90, .	1.0	77
26	Flow of quantum correlations from a two-qubit system to its environment. Physical Review A, 2014, 89, .	1.0	23
27	Linear-Optical Simulation of the Cooling of a Cluster-State Hamiltonian System. Physical Review Letters, 2014, 112, 160501.	2.9	9
28	Non-Markovianity through Accessible Information. Physical Review Letters, 2014, 112, .	2.9	138
29	Measuring spatial correlations of photon pairs by automated raster scanning with spatial light modulators. Scientific Reports, 2014, 4, 5337.	1.6	8
30	Observation of the emergence of multipartite entanglement between a bipartite system and its environment. , 2013, , .		0
31	Fourth-order coherence induced by spatial mode parity selection. Physical Review A, 2012, 86, .	1.0	3
32	Bell inequalities with continuous angular variables. Physical Review A, 2012, 86, .	1.0	10
33	Emergence of the Pointer Basis through the Dynamics of Correlations. Physical Review Letters, 2012, 109, 190402.	2.9	36
34	Experimental Estimate of a Classicality Witness via a Single Measurement. Physical Review Letters, 2012, 108, 063601.	2.9	26
35	Observation of the Emergence of Multipartite Entanglement Between a Bipartite System and its Environment. Physical Review Letters, 2012, 109, 150403.	2.9	43
36	Experimental investigation of dynamical invariants in bipartite entanglement. Physical Review A, 2012, 85, .	1.0	17

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37	Revealing Hidden Einstein-Podolsky-Rosen Nonlocality. Physical Review Letters, 2011, 106, 130402.	2.9	234
38	Interference effects induced by non-local spatial filtering. Optics Express, 2011, 19, 17308.	1.7	4
39	Continuous-variable quantum computation with spatial degrees of freedom of photons. Physical Review A, 2011, 83, .	1.0	73
40	Production of optical phase space vortices with non-locally distributed mode converters. Journal of Optics (United Kingdom), 2011, 13, 064020.	1.0	6
41	Spatial correlations in parametric down-conversion. Physics Reports, 2010, 495, 87-139.	10.3	273
42	Observation of tunable Popescu-Rohrlich correlations through postselection of a Gaussian state. Physical Review A, 2009, 80, .	1.0	69
43	Observation of a Nonlocal Optical Vortex. Physical Review Letters, 2009, 103, 033602.	2.9	30
44	Quantum entanglement beyond Gaussian criteria. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 21517-21520.	3.3	56
45	Propagation of transverse intensity correlations of a two-photon state. Physical Review A, 2009, 79, .	1.0	49
46	Determining the Dynamics of Entanglement. Science, 2009, 324, 1414-1417.	6.0	62
47	Schemes for quantum key distribution with higher-order alphabets using single-photon fractional Fourier optics. Physical Review A, 2008, 77, .	1.0	26
48	Experimental investigation of the dynamics of entanglement: Sudden death, complementarity, and continuous monitoring of the environment. Physical Review A, 2008, 78, .	1.0	219
49	Detection of transverse entanglement in phase space. Physical Review A, 2008, 78, .	1.0	36
50	Quantum random walks and wave-packet reshaping at the single-photon level. Physical Review A, 2008, 78, .	1.0	16
51	Experimental determination of entanglement by a projective measurement. Physical Review A, 2007, 75, .	1.0	54
52	Experimental observation of environment-induced sudden death of entanglement. Proceedings of SPIE, 2007, 6603, 320.	0.8	4
53	Environment-Induced Sudden Death of Entanglement. Science, 2007, 316, 579-582.	6.0	811
54	Violation of Bell Inequality with the Fractional Momentum of the photon: a step towards a new q-bit. , 2007, , .		0

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55	Experimental Determination of Entanglement by a Projective Measurement. , 2007, , .		1
56	A simple optical demonstration of quantum cryptography using transverse position and momentum variables. American Journal of Physics, 2006, 74, 542-546.	0.3	6
57	Manipulation and transmission of quantum images. Journal of Modern Optics, 2006, 53, 729-738.	0.6	1
58	Experimental determination of entanglement with a single measurement. Nature, 2006, 440, 1022-1024.	13.7	280
59	Theoretical investigation of moirÃ© patterns in quantum images. Journal of Modern Optics, 2006, 53, 777-785.	0.6	5
60	Quantum Key Distribution with Higher-Order Alphabets Using Spatially Encoded Qudits. Physical Review Letters, 2006, 96, 090501.	2.9	208
61	Effects of spatial transverse correlations in second-harmonic generation. Physical Review A, 2006, 73, .	1.0	6
62	Simultaneous observation of correlations in position-momentum and polarization variables. Physical Review A, 2006, 73, .	1.0	5
63	Orbital angular momentum exchange in parametric down conversion. Journal of Modern Optics, 2006, 53, 647-658.	0.6	13
64	Quantum information processing with hyperentangled photon states. Quantum Information and Computation, 2006, 6, 336-350.	0.1	14
65	Experimental investigation of quantum key distribution with position and momentum of photon pairs. Physical Review A, 2005, 72, .	1.0	33
66	MoirÃ© fringe patterns in spatial quantum correlations of twin photons. Physical Review A, 2005, 71, .	1.0	8
67	Manipulation of quantum spatial properties of light. Journal of Modern Optics, 2004, 51, 983-990.	0.6	1
68	Image formation by manipulation of the entangled angular spectrum. Optics Communications, 2004, 239, 121-127.	1.0	0
69	Control of conditional pattern with polarization entanglement. Optics Communications, 2003, 226, 297-302.	1.0	1
70	Quantum image control through polarization entanglement in parametric down-conversion. Physical Review A, 2003, 68, .	1.0	32
71	Generation of spatial antibunching with free-propagating twin beams. Physical Review A, 2003, 68, .	1.0	15
72	Conservation of orbital angular momentum in stimulated down-conversion. Physical Review A, 2002, 66, .	1.0	66

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73	Entanglement of the transverse degrees of freedom of the photon. Journal of Optics B: Quantum and Semiclassical Optics, 2002, 4, S437-S442.	1.4	2
74	Quantum distillation of position entanglement with the polarization degrees of freedom. Optics Communications, 2002, 211, 265-270.	1.0	4
75	Classical and quantum properties of optical parametric oscillators. Brazilian Journal of Physics, 2001, 31, 597-615.	0.7	13
76	Observation of Image Transfer and Phase Conjugation in Stimulated Down-Conversion. Physical Review Letters, 2001, 87, 133602.	2.9	26
77	Measurement of the degree of polarization entanglement through position interference. Physical Review A, 2001, 64, .	1.0	31
78	Mach-Zehnder interferometer for a two-photon wave packet. Physical Review A, 2001, 63, .	1.0	2
79	On the biphoton wavelength. Brazilian Journal of Physics, 2001, 31, 478-482.	0.7	8
80	Quantum erasure by transverse indistinguishability. Optics Communications, 2000, 186, 143-148.	1.0	4
81	Image and coherence transfer in the stimulated down-conversion process. Physical Review A, 1999, 60, 5074-5078.	1.0	28
82	Quantum interference by a nonlocal double slit. Physical Review A, 1999, 60, 1530-1533.	1.0	60
83	Transfer of angular spectrum and image formation in spontaneous parametric down-conversion. Physical Review A, 1998, 57, 3123-3126.	1.0	286
84	Optimizing the photon pair collection efficiency: A step toward a loophole-free Bellâ€™s inequalities experiment. Physical Review A, 1998, 57, R2267-R2269.	1.0	43
85	Partial coherence with twin photons. Physical Review A, 1997, 56, 4111-4117.	1.0	11
86	Sub-shot-noise high-sensitivity spectroscopy with optical parametric oscillator twin beams. Optics Letters, 1997, 22, 1893.	1.7	95
87	Mirror effects and induced coherence in parametric down-conversion. Optics Communications, 1997, 139, 139-147.	1.0	4
88	Direct and ghost interference in double-slit experiments with coincidence measurements. Physical Review A, 1996, 54, 3489-3492.	1.0	36
89	Temporal Coherence Properties of Stimulated Down-Conversion. , 1996, , 721-722.		0
90	Control of Youngâ€™s fringes visibility by stimulated down-conversion. Physical Review A, 1995, 51, 1631-1633.	1.0	17

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91	Controlling the degree of visibility of Youngâ€™s fringes with photon coincidence measurements. Physical Review A, 1994, 49, 4176-4179.	1.0	132
92	Measurement of coherence area in parametric downconversion luminescence. Applied Optics, 1994, 33, 352.	2.1	37
93	An optical processor for matrix-by-vector multiplication: an application to the distance geometry problem in 1D. Journal of Optics (United Kingdom), 0, , .	1.0	0