

Marcelo Pereira de Almeida

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

5,520
citations

304743

22
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

4608
citing authors

#	ARTICLE	IF	CITATIONS
1	Near-optimal single-photon sources in the solid state. <i>Nature Photonics</i> , 2016, 10, 340-345.	31.4	858
2	Environment-Induced Sudden Death of Entanglement. <i>Science</i> , 2007, 316, 579-582.	12.6	811
3	Experimental Quantum Computing without Entanglement. <i>Physical Review Letters</i> , 2008, 101, 200501.	7.8	773
4	Simplifying quantum logic using higher-dimensional Hilbert spaces. <i>Nature Physics</i> , 2009, 5, 134-140.	16.7	570
5	Towards quantum chemistry on a quantum computer. <i>Nature Chemistry</i> , 2010, 2, 106-111.	13.6	568
6	Violation of the Leggett-Garg inequality with weak measurements of photons. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 1256-1261.	7.1	231
7	Experimental investigation of the dynamics of entanglement: Sudden death, complementarity, and continuous monitoring of the environment. <i>Physical Review A</i> , 2008, 78, .	2.5	219
8	Quantum Key Distribution with Higher-Order Alphabets Using Spatially Encoded Qudits. <i>Physical Review Letters</i> , 2006, 96, 090501.	7.8	208
9	Conclusive quantum steering with superconducting transition-edge sensors. <i>Nature Communications</i> , 2012, 3, 625.	12.8	200
10	Efficient Measurement of Quantum Dynamics via Compressive Sensing. <i>Physical Review Letters</i> , 2011, 106, 100401.	7.8	185
11	Boson Sampling with Single-Photon Fock States from a Bright Solid-State Source. <i>Physical Review Letters</i> , 2017, 118, 130503.	7.8	155
12	Experimental Feedback Control of Quantum Systems Using Weak Measurements. <i>Physical Review Letters</i> , 2010, 104, 080503.	7.8	120
13	Scalable performance in solid-state single-photon sources. <i>Optica</i> , 2016, 3, 433.	9.3	106
14	Conservation of orbital angular momentum in stimulated down-conversion. <i>Physical Review A</i> , 2002, 66, .	2.5	66
15	Reducing multi-photon rates in pulsed down-conversion by temporal multiplexing. <i>Optics Express</i> , 2011, 19, 22698.	3.4	65
16	Experimental Distribution of Entanglement with Separable Carriers. <i>Physical Review Letters</i> , 2013, 111, 230504.	7.8	62
17	Active demultiplexing of single photons from a solid-state source. <i>Laser and Photonics Reviews</i> , 2017, 11, 1600297.	8.7	51
18	Entangling Quantum-Logic Gate Operated with an Ultrabright Semiconductor Single-Photon Source. <i>Physical Review Letters</i> , 2013, 110, 250501.	7.8	44

#	ARTICLE	IF	CITATIONS
19	Hardy's Paradox and Violation of a State-Independent Bell Inequality in Time. Physical Review Letters, 2011, 106, 200402.	7.8	36
20	Experimental investigation of quantum key distribution with position and momentum of photon pairs. Physical Review A, 2005, 72, .	2.5	33
21	Estimation of a quantum interaction parameter using weak measurements: Theory and experiment. Physical Review A, 2012, 86, .	2.5	29
22	Observation of Image Transfer and Phase Conjugation in Stimulated Down-Conversion. Physical Review Letters, 2001, 87, 133602.	7.8	26
23	Parametric downconversion and optical quantum gates: two's company, four's a crowd. Journal of Modern Optics, 2009, 56, 209-214.	1.3	18
24	Entanglement-free certification of entangling gates. Physical Review A, 2014, 89, .	2.5	16
25	Measuring Entanglement in a Photonic Embedding Quantum Simulator. Physical Review Letters, 2016, 116, 070503.	7.8	14
26	Orbital angular momentum exchange in parametric down conversion. Journal of Modern Optics, 2006, 53, 647-658.	1.3	13
27	Complementarity in variable strength quantum non-demolition measurements. New Journal of Physics, 2009, 11, 093012.	2.9	13
28	Moiré fringe patterns in spatial quantum correlations of twin photons. Physical Review A, 2005, 71, .	2.5	8
29	A simple optical demonstration of quantum cryptography using transverse position and momentum variables. American Journal of Physics, 2006, 74, 542-546.	0.7	6
30	Theoretical investigation of moiré patterns in quantum images. Journal of Modern Optics, 2006, 53, 777-785.	1.3	5
31	Simultaneous observation of correlations in position-momentum and polarization variables. Physical Review A, 2006, 73, .	2.5	5
32	Experimental information complementarity of two-qubit states. New Journal of Physics, 2011, 13, 053038.	2.9	5
33	Manipulation and transmission of quantum images. Journal of Modern Optics, 2006, 53, 729-738.	1.3	1
34	Simulating Quantum Systems in Biology, Chemistry, and Physics. , 2011, , .		0
35	Toward a quantum network based on semiconductor quantum dots. , 2014, , .		0