

Alejandra Valencia

List of Publications by Year in descending order

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34
papers

1,475
citations

759233

12
h-index

610901

24
g-index

34
all docs

34
docs citations

34
times ranked

1139
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-Photon Imaging with Thermal Light. <i>Physical Review Letters</i> , 2005, 94, 063601.	7.8	676
2	Distant clock synchronization using entangled photon pairs. <i>Applied Physics Letters</i> , 2004, 85, 2655-2657.	3.3	141
3	Entangled Two-Photon Wave Packet in a Dispersive Medium. <i>Physical Review Letters</i> , 2002, 88, 183601.	7.8	108
4	Shaping the Waveform of Entangled Photons. <i>Physical Review Letters</i> , 2007, 99, 243601.	7.8	95
5	Resolution of quantum and classical ghost imaging. <i>Physical Review A</i> , 2005, 72, .	2.5	74
6	Entangled Two Photon Absorption Cross Section on the 808 nm Region for the Common Dyes Zinc Tetraphenylporphyrin and Rhodamine B. <i>Journal of Physical Chemistry A</i> , 2017, 121, 7869-7875.	2.5	65
7	Experimental study of the momentum correlation of a pseudothermal field in the photon-counting regime. <i>Physical Review A</i> , 2004, 70, .	2.5	62
8	Remote spectral measurement using entangled photons. <i>Applied Physics Letters</i> , 2003, 83, 5560-5562.	3.3	53
9	Angular dispersion: an enabling tool in nonlinear and quantum optics. <i>Advances in Optics and Photonics</i> , 2010, 2, 319.	25.5	47
10	Spatiotemporal correlations in entangled photons generated by spontaneous parametric down conversion. <i>New Journal of Physics</i> , 2008, 10, 113012.	2.9	33
11	Generation of indistinguishable and pure heralded single photons with tunable bandwidth. <i>Optics Letters</i> , 2008, 33, 875.	3.3	25
12	Observation of spectral interference for any path difference in an interferometer. <i>Optics Letters</i> , 2014, 39, 4478.	3.3	17
13	Correlation control for pure and efficiently generated heralded single photons. <i>Physical Review A</i> , 2015, 91, .	2.5	12
14	Tunable beam displacer. <i>Review of Scientific Instruments</i> , 2015, 86, 033109.	1.3	10
15	Cancellation of dispersion and temporal modulation with nonentangled frequency-correlated photons. <i>Physical Review A</i> , 2011, 83, .	2.5	9
16	Tailoring the spectral coherence of heralded single photons. <i>Optics Letters</i> , 2009, 34, 1177.	3.3	8
17	Flux enhancement of photons entangled in orbital angular momentum. <i>Optics Express</i> , 2011, 19, 14108.	3.4	8
18	Measuring different types of transverse momentum correlations in the biphoton's Fourier plane. <i>Optics Letters</i> , 2016, 41, 1165.	3.3	7

#	ARTICLE	IF	CITATIONS
19	Demonstration of a highly-sensitive tunable beam displacer with no use of beam deflection based on the concept of weak value amplification. Optics Express, 2015, 23, 10097.	3.4	6
20	Low-cost diffuse optical tomography for the classroom. American Journal of Physics, 2012, 80, 876-881.	0.7	5
21	Interference of two pulse-like spatial beams with arbitrary transverse separation. Journal of Optics (United Kingdom), 2016, 18, 125201.	2.2	5
22	Implementation and characterization of a controllable dephasing channel based on coupling polarization and spatial degrees of freedom of light. Optics Express, 2018, 26, 11940.	3.4	4
23	A weak values approach for testing simultaneous Einstein-Podolsky-Rosen elements of reality for non-commuting observables. Communications Physics, 2020, 3, .	5.3	3
24	Characterization of spectrally filtered heralded single photons. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1190.	2.1	2
25	Two-photon coherent and incoherent imaging. , 2005, , JTuC56.		0
26	Tunable control and use of the spectrum of photons in quantum optics applications. Proceedings of SPIE, 2007, , .	0.8	0
27	El D�a de la Luz II (The Day of Light II): optics demonstration for high school students. , 2009, , .		0
28	ANGULAR DISPERSION IN SPONTANEOUS PARAMETRIC DOWN CONVERSION: A TOOL TO GENERATE NARROW TEMPORAL BIPHOTONS AND PURE HERALDED SINGLE PHOTONS. International Journal of Quantum Information, 2009, 07, 9-15.	1.1	0
29	Pick it up with light! An advanced summer program for secondary school students. Proceedings of SPIE, 2014, , .	0.8	0
30	Mapping and violating Bell inequality with entangled photons. , 2015, , .		0
31	Making optics appealing in Colombia through low-cost experiments with lasers. Proceedings of SPIE, 2015, , .	0.8	0
32	Light Interference in Position and Momentum variables: the Spatial Alford and Gold Effect. , 2015, , .		0
33	Control of the frequency correlations of entangled photons to produce a pure heralded single photon source. , 2018, , .		0
34	On the control of the momentum distribution of paired photons generated by non-collinear type-II spontaneous parametric down-conversion. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1769.	2.1	0