Alberto M Marino

List of Publications by Year
in descending order

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55 papers	1,854 citations	430874 18 h-index	395702 33 g-index
55 all docs	55 docs citations	55 times ranked	1043 citing authors

#	Article	IF	Citations
1	Entangled Images from Four-Wave Mixing. Science, 2008, 321, 544-547.	12.6	538
2	Tunable delay of Einsteinâ€“Podolskyâ€“Rosen entanglement. Nature, 2009, 457, 859-862.	27.8	213
3	Experimental Generation of Multiple Quantum Correlated Beams from Hot Rubidium Vapor. Physical Review Letters, 2014, 113, 023602.	7.8	153
4	Generation of Spatially Broadband Twin Beams for Quantum Imaging. Physical Review Letters, 2008, 100, 143601.	7.8	141
5	Quantum Sensing with Squeezed Light. ACS Photonics, 2019, 6, 1307-1318.	6.6	127
6	Quantum-enhanced plasmonic sensing. Optica, 2018, 5, 628.	9.3	89
7	Multi-spatial-mode single-beam quadrature squeezed states of light from four-wave mixing in hot rubidium vapor. Optics Express, 2011, 19, 21358.	3.4	52
8	Honeycomb Pattern Formation by Laser-Beam Filamentation in Atomic Sodium Vapor. Physical Review Letters, 2002, 88, 113901.	7.8	51
9	Temporally multiplexed storage of images in a gradient echo memory. Optics Express, 2012, 20, 12350.	3.4	50
10	Toward quantum plasmonic networks. Optica, 2016, 3, 985.	9.3	47
11	Robust MÃ¸lmer-SÃ¸rensen gate for neutral atoms using rapid adiabatic Rydberg dressing. Physical Review A, 2020, 101, .	2.5	47
12	Imaging using quantum noise properties of light. Optics Express, 2012, 20, 17050.	3.4	34
13	Observation of spatial quantum correlations in the macroscopic regime. Physical Review A, 2017, 95, .	2.5	31
14	Violation of the Cauchy-Schwarz Inequality in the Macroscopic Regime. Physical Review Letters, 2008, 100, 233601.	7.8	30
15	Electromagnetically induced transparency with Laguerreâ€“Gaussian modes in ultracold rubidium. Optics Communications, 2015, 339, 209-215.	2.1	27
16	Rotation of the noise ellipse for squeezed vacuum light generated via four-wave mixing. Physical Review A, 2013, 88, .	2.5	25
17	Deterministic secure communications using two-mode squeezed states. Physical Review A, 2006, 74, .	2.5	24
18	Control of the size of the coherence area in entangled twin beams. Physical Review A, 2016, 93, .	2.5	19

#	Article	IF	Citations
19	Generation of ⁸⁷Rb resonant bright two-mode squeezed light with four-wave mixing. Optics Express, 2018, 26, 33366.	3.4	19
20	Quantum Noise Correlations of an Optical Parametric Oscillator Based on a Nondegenerate Four Wave Mixing Process in Hot Alkali Atoms. Physical Review Letters, 2020, 125, 083601.	7.8	17
21	Experimental implementation of phase locking in a nonlinear interferometer. Applied Physics Letters, 2015, 107, .	3.3	16
22	Experimental realization of a feedback optical parametric amplifier with four-wave mixing. Physical Review B, 2018, 97, .	3.2	14
23	Absolute calibration of photodiodes with bright twin beams. Journal of Modern Optics, 2011, 58, 328-336.	1.3	12
24	Experimental observation of quantum correlations in four-wave mixing with a conical pump. Optics Letters, 2017, 42, 1201.	3.3	12
25	Comparison of coherence-area measurement techniques for bright entangled twin beams. Physical Review A, 2018, 98, .	2.5	11
26	Transmission estimation at the CramÃ©r-Rao bound for squeezed states of light in the presence of loss and imperfect detection. Physical Review A, 2020, 102, .	2.5	11
27	Spatial squeezing in bright twin beams generated with four-wave mixing: Constraints on characterization with an electron-multiplying charge-coupled-device camera. Physical Review A, 2019, 100, .	2.5	10
28	Einsteinâ€“Podolskyâ€“Rosen paradox with positionâ€“momentum entangled macroscopic twin beams. Quantum Science and Technology, 2021, 6, 045016.	5.8	9
29	Extracting spatial information from noise measurements of multi-spatial-mode quantum states. European Physical Journal D, 2012, 66, 1.	1.3	8
30	Entangling Light in its Spatial Degrees of Freedom with Fourâ€Wave Mixing in an Atomic Vapor. ChemPhysChem, 2009, 10, 755-760.	2.1	7
31	Atomic resonant single-mode squeezed light from four-wave mixing through feedforward. Optics Letters, 2019, 44, 4630.	3.3	5
32	Fundamental sensitivity bounds for quantum enhanced optical resonance sensors based on transmission and phase estimation. Quantum Science and Technology, 0, , .	5.8	2
33	Lattice Resonances of Nanohole Arrays for Quantum Enhanced Sensing. Physical Review Applied, 2022, 17, .	3.8	2
34	Production of Entangled Images by Four-Wave Mixing. Optics and Photonics News, 2008, 19, 45.	0.5	1
35	Role of Phase Matching on the Generation of Squeezed States of Light with Four-Wave Mixing. , 2013, , .		0
36	Deterministic generation of genuine tri-partite hybrid atomâ€“photon entanglement through dissipation. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2090.	2.1	0

#	Article	IF	Citations
37	Delay of Quantum Correlations with an Atomic System. , 2008, , .		0
38	Tunable Delay of Entangled Images. , 2009, , .		0
39	Multi-Spatial-Mode Noiseless Optical Amplifier. , 2011, , .		0
40	Quantum Images from 4-Wave Mixing in Atomic Vapors. , 2012, , .		0
41	Storing a short movie in an atomic vapor. SPIE Newsroom, 0, , .	0.1	0
42	Quantum Imaging and Phase Sensitive Optical Amplification. , 2013, , .		0
43	Noiseless Amplification of Images by Four-Wave Mixing. , 2013, , .		0
44	Quantum Imaging with light from Four-Wave Mixing. , 2013, , .		0
45	Quantum Imaging with light from Four-Wave Mixing. , 2013, , .		0
46	Role of Phase Matching on the Generation of Squeezed States of Light with Four-Wave Mixing. , 2013, , .		0
47	Spatial Squeezing in Bright Twin Light Beams using a CCD Camera. , 2016, , .		0
48	Transduction of Entangled Images by Localized Surface Plasmons. , 2017, , .		0
49	Generation of Narrowband 87Rb Resonant Squeezed Light with Four-Wave Mixing. , 2019, , .		0
50	Control of Spatial Quantum Correlations. , 2019, , .		0
51	Parallel Quantum Enhanced Plasmonic Sensing through Spatial Quantum Correlations. , 2019, , .		0
52	Phase- and Transmission-Based Quantum-Enhanced Resonance Sensing at the Quantum CramÃ©r Rao Bound. , 2020, , .		0
53	Characterization and Control of Spatial Quantum Correlations in Entangled Light Generated via Four-wave Mixing. , 2020, , .		0
54	Scalable Genuine multipartite Entanglement with Parametric Amplifier Networks. , 2020, , .		0

#	Article	IF	Citations
55	Engineering Spatial Correlations in Entangled Twin Beams. , 2021, , .		0