

# 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	Lattice Resonances of Nanohole Arrays for Quantum Enhanced Sensing. Physical Review Applied, 2022, 17, .	3.8	2
2	Deterministic generation of genuine tri-partite hybrid atom-photon entanglement through dissipation. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2090.	2.1	0
3	Einstein-Podolsky-Rosen paradox with position-momentum entangled macroscopic twin beams. Quantum Science and Technology, 2021, 6, 045016.	5.8	9
4	Engineering Spatial Correlations in Entangled Twin Beams. , 2021, , .		0
5	Transmission estimation at the Cram�r-Rao bound for squeezed states of light in the presence of loss and imperfect detection. Physical Review A, 2020, 102, .	2.5	11
6	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
7	Robust Mimer-Sarsen gate for neutral atoms using rapid adiabatic Rydberg dressing. Physical Review A, 2020, 101, .	2.5	47
8	Phase- and Transmission-Based Quantum-Enhanced Resonance Sensing at the Quantum Cram�r Rao Bound. , 2020, , .		0
9	Characterization and Control of Spatial Quantum Correlations in Entangled Light Generated via Four-wave Mixing. , 2020, , .		0
10	Scalable Genuine multipartite Entanglement with Parametric Amplifier Networks. , 2020, , .		0
11	Quantum Sensing with Squeezed Light. ACS Photonics, 2019, 6, 1307-1318.	6.6	127
12	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
13	Atomic resonant single-mode squeezed light from four-wave mixing through feedforward. Optics Letters, 2019, 44, 4630.	3.3	5
14	Generation of Narrowband 87Rb Resonant Squeezed Light with Four-Wave Mixing. , 2019, , .		0
15	Control of Spatial Quantum Correlations. , 2019, , .		0
16	Parallel Quantum Enhanced Plasmonic Sensing through Spatial Quantum Correlations. , 2019, , .		0
17	Experimental realization of a feedback optical parametric amplifier with four-wave mixing. Physical Review B, 2018, 97, .	3.2	14
18	Comparison of coherence-area measurement techniques for bright entangled twin beams. Physical Review A, 2018, 98, .	2.5	11

#	ARTICLE	IF	CITATIONS
19	Quantum-enhanced plasmonic sensing. <i>Optica</i> , 2018, 5, 628.	9.3	89
20	Generation of $^{87}\text{Rb}$ resonant bright two-mode squeezed light with four-wave mixing. <i>Optics Express</i> , 2018, 26, 33366.	3.4	19
21	Observation of spatial quantum correlations in the macroscopic regime. <i>Physical Review A</i> , 2017, 95, .	2.5	31
22	Experimental observation of quantum correlations in four-wave mixing with a conical pump. <i>Optics Letters</i> , 2017, 42, 1201.	3.3	12
23	Transduction of Entangled Images by Localized Surface Plasmons. , 2017, , .		0
24	Toward quantum plasmonic networks. <i>Optica</i> , 2016, 3, 985.	9.3	47
25	Control of the size of the coherence area in entangled twin beams. <i>Physical Review A</i> , 2016, 93, .	2.5	19
26	Spatial Squeezing in Bright Twin Light Beams using a CCD Camera. , 2016, , .		0
27	Experimental implementation of phase locking in a nonlinear interferometer. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	16
28	Electromagnetically induced transparency with Laguerre-Gaussian modes in ultracold rubidium. <i>Optics Communications</i> , 2015, 339, 209-215.	2.1	27
29	Experimental Generation of Multiple Quantum Correlated Beams from Hot Rubidium Vapor. <i>Physical Review Letters</i> , 2014, 113, 023602.	7.8	153
30	Rotation of the noise ellipse for squeezed vacuum light generated via four-wave mixing. <i>Physical Review A</i> , 2013, 88, .	2.5	25
31	Role of Phase Matching on the Generation of Squeezed States of Light with Four-Wave Mixing. , 2013, , .		0
32	Quantum Imaging and Phase Sensitive Optical Amplification. , 2013, , .		0
33	Noiseless Amplification of Images by Four-Wave Mixing. , 2013, , .		0
34	Quantum Imaging with light from Four-Wave Mixing. , 2013, , .		0
35	Quantum Imaging with light from Four-Wave Mixing. , 2013, , .		0
36	Role of Phase Matching on the Generation of Squeezed States of Light with Four-Wave Mixing. , 2013, , .		0

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37	Temporally multiplexed storage of images in a gradient echo memory. Optics Express, 2012, 20, 12350.	3.4	50
38	Imaging using quantum noise properties of light. Optics Express, 2012, 20, 17050.	3.4	34
39	Extracting spatial information from noise measurements of multi-spatial-mode quantum states. European Physical Journal D, 2012, 66, 1.	1.3	8
40	Quantum Images from 4-Wave Mixing in Atomic Vapors. , 2012, , .		0
41	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
42	Absolute calibration of photodiodes with bright twin beams. Journal of Modern Optics, 2011, 58, 328-336.	1.3	12
43	Multi-Spatial-Mode Noiseless Optical Amplifier. , 2011, , .		0
44	Entangling Light in its Spatial Degrees of Freedom with Four-Wave Mixing in an Atomic Vapor. ChemPhysChem, 2009, 10, 755-760.	2.1	7
45	Tunable delay of Einstein-Podolsky-Rosen entanglement. Nature, 2009, 457, 859-862.	27.8	213
46	Tunable Delay of Entangled Images. , 2009, , .		0
47	Production of Entangled Images by Four-Wave Mixing. Optics and Photonics News, 2008, 19, 45.	0.5	1
48	Entangled Images from Four-Wave Mixing. Science, 2008, 321, 544-547.	12.6	538
49	Violation of the Cauchy-Schwarz Inequality in the Macroscopic Regime. Physical Review Letters, 2008, 100, 233601.	7.8	30
50	Generation of Spatially Broadband Twin Beams for Quantum Imaging. Physical Review Letters, 2008, 100, 143601.	7.8	141
51	Delay of Quantum Correlations with an Atomic System. , 2008, , .		0
52	Deterministic secure communications using two-mode squeezed states. Physical Review A, 2006, 74, .	2.5	24
53	Honeycomb Pattern Formation by Laser-Beam Filamentation in Atomic Sodium Vapor. Physical Review Letters, 2002, 88, 113901.	7.8	51
54	Storing a short movie in an atomic vapor. SPIE Newsroom, 0, , .	0.1	0

#	ARTICLE	IF	CITATIONS
55	Fundamental sensitivity bounds for quantum enhanced optical resonance sensors based on transmission and phase estimation. Quantum Science and Technology, 0, , .	5.8	2