Carlos L Garrido-Alzar

List of Publications by Year in descending order

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30 1,221 14 27 papers citations h-index g-index

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#	Article	IF	CITATIONS
1	Classical analog of electromagnetically induced transparency. American Journal of Physics, 2002, 70, 37-41.	0.7	547
2	Continuous Cold-Atom Inertial Sensor with <mml:math display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>1</mml:mn><mml:mtext> </mml:mtext><mml:mtext> <td>:mtext><n< td=""><td>189 nml:mi>nrad<</td></n<></td></mml:mtext></mml:mrow></mml:math>	:mtext> <n< td=""><td>189 nml:mi>nrad<</td></n<>	189 nml:mi>nrad<
3	Quantum-noise-limited interferometric measurement of atomic noise: Towards spin squeezing on the Cs clock transition. Physical Review A, 2005, 71, .	2.5	60
4	Nondestructive Probing of Rabi Oscillations on the Cesium Clock Transition near the Standard Quantum Limit. Physical Review Letters, 2008, 100, 103601.	7.8	56
5	Super-Poissonian intensity fluctuations and correlations between pump and probe fields in Electromagnetically Induced Transparency. Europhysics Letters, 2003, 61, 485-491.	2.0	47
6	Roughness Suppression via Rapid Current Modulation on an Atom Chip. Physical Review Letters, 2007, 98, 263201.	7.8	45
7	Compact chip-scale guided cold atom gyrometers for inertial navigation: Enabling technologies and design study. AVS Quantum Science, 2019, 1 , .	4.9	39
8	Metrology with Atom Interferometry: Inertial Sensors from Laboratory to Field Applications. Journal of Physics: Conference Series, 2016, 723, 012049.	0.4	33
9	Evaporative cooling in a radio-frequency trap. Physical Review A, 2006, 74, .	2.5	30
10	Stability enhancement by joint phase measurements in a single cold atomic fountain. Physical Review A, 2014, 90, .	2.5	25
11	Nondestructive interferometric characterization of an optical dipole trap. Physical Review A, 2007, 75,	2.5	24
12	Trapping and cooling of rf-dressed atoms in a quadrupole magnetic field. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 4013-4022.	1.5	18
13	Continuous transfer and laser guiding between two cold atom traps. European Physical Journal D, 2007, 42, 299-308.	1.3	16
14	Spontaneous spin squeezing in a rubidium BEC. New Journal of Physics, 2018, 20, 073018.	2.9	15
15	Classical and quantum properties of optical parametric oscillators. Brazilian Journal of Physics, 2001, 31, 597-615.	1.4	13
16	Mechanical stress reduction in PECVD a-Si:H thin films. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 1999, 65, 123-126.	3.5	11
17	Diffraction effects on light–atomic-ensemble quantum interface. Physical Review A, 2005, 71, .	2.5	11
18	Limitations of the modulation method to smooth wire-guide roughness. Physical Review A, 2008, 77, .	2.5	11

#	Article	IF	CITATIONS
19	Transverse Fourier analysis of squeezed light in diode lasers. Journal of the Optical Society of America B: Optical Physics, 2001, 18, 1189.	2.1	6
20	Thermal properties of AlN-based atom chips. European Physical Journal D, 2010, 56, 33-39.	1.3	6
21	Nondestructive microwave detection of a coherent quantum dynamics in cold atoms. Communications Physics, 2021, 4, .	5.3	5
22	Influence of carrier recombination in the space charge region on minority carrier lifetime in the base region of solar cells. Solar Energy Materials and Solar Cells, 1999, 57, 239-247.	6.2	4
23	Pumping Dynamics of Cold-Atom Experiments in a Single Vacuum Chamber. Physical Review Applied, 2019, 12, .	3.8	4
24	Stability analysis of a magnetic waveguide with self-generated offset field. Physical Review A, 2018, 97, .	2.5	2
25	Statistical properties of macroscopic laser fields after coherent interaction with an atomic vapour. Journal of Optics B: Quantum and Semiclassical Optics, 2004, 6, S518-S523.	1.4	1
26	Condensation de Bose-Einstein et basse dimensionnalit \tilde{A} ©. European Physical Journal Special Topics, 2006, 135, 255-256.	0.2	1
27	Cold-atom inertial sensor without deadtime. , 2016, , .		1
28	Atom Interferometers Warm Up. Physics Magazine, 2017, 10, .	0.1	1
29	Towards a quantum-enhanced atomic clock on a chip. , 2018, , .		0
30	Towards a quantum-enhanced trapped-atom clock on a chip. , 2019, , .		0