Carlos L Garrido-Alzar

List of Publications by Year
in descending order

30 papers	1,221 citations	623734 14 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	1486 citing authors

#	Article	IF	Citations
1	Nondestructive microwave detection of a coherent quantum dynamics in cold atoms. Communications Physics, 2021, 4, .	5.3	5
2	Pumping Dynamics of Cold-Atom Experiments in a Single Vacuum Chamber. Physical Review Applied, 2019, 12, .	3.8	4
3	Compact chip-scale guided cold atom gyrometers for inertial navigation: Enabling technologies and design study. AVS Quantum Science, 2019, 1, .	4.9	39
4	Towards a quantum-enhanced trapped-atom clock on a chip. , 2019, , .		0
5	Stability analysis of a magnetic waveguide with self-generated offset field. Physical Review A, 2018, 97, .	2.5	2
6	Towards a quantum-enhanced atomic clock on a chip. , 2018, , .		0
7	Spontaneous spin squeezing in a rubidium BEC. New Journal of Physics, 2018, 20, 073018.	2.9	15
8	Atom Interferometers Warm Up. Physics Magazine, 2017, 10, .	0.1	1
9	Continuous Cold-Atom Inertial Sensor with<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€‰</mml:mtext><mml:mi>nra Stability. Physical Review Letters, 2016, 116, 183003.	7.8	189
10	Metrology with Atom Interferometry: Inertial Sensors from Laboratory to Field Applications. Journal of Physics: Conference Series, 2016, 723, 012049.	0.4	33
11	Cold-atom inertial sensor without deadtime. , 2016, , .		1
12	Stability enhancement by joint phase measurements in a single cold atomic fountain. Physical Review A, 2014, 90, .	2.5	25
13	Thermal properties of AlN-based atom chips. European Physical Journal D, 2010, 56, 33-39.	1.3	6
14	Nondestructive Probing of Rabi Oscillations on the Cesium Clock Transition near the Standard Quantum Limit. Physical Review Letters, 2008, 100, 103601.	7.8	56
15	Limitations of the modulation method to smooth wire-guide roughness. Physical Review A, 2008, 77, .	2.5	11
16	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
17	Roughness Suppression via Rapid Current Modulation on an Atom Chip. Physical Review Letters, 2007, 98, 263201.	7.8	45
18	Nondestructive interferometric characterization of an optical dipole trap. Physical Review A, 2007, 75, .	2.5	24

#	Article	IF	Citations
19	Continuous transfer and laser guiding between two cold atom traps. European Physical Journal D, 2007, 42, 299-308.	1.3	16
20	Evaporative cooling in a radio-frequency trap. Physical Review A, 2006, 74, .	2.5	30
21	Condensation de Bose-Einstein et basse dimensionnalitÃ©. European Physical Journal Special Topics, 2006, 135, 255-256.	0.2	1
22	Quantum-noise-limited interferometric measurement of atomic noise: Towards spin squeezing on the Cs clock transition. Physical Review A, 2005, 71, .	2.5	60
23	Diffraction effects on lightâ€“atomic-ensemble quantum interface. Physical Review A, 2005, 71, .	2.5	11
24	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
25	Super-Poissonian intensity fluctuations and correlations between pump and probe fields in Electromagnetically Induced Transparency. Europhysics Letters, 2003, 61, 485-491.	2.0	47
26	Classical analog of electromagnetically induced transparency. American Journal of Physics, 2002, 70, 37-41.	0.7	547
27	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
28	Classical and quantum properties of optical parametric oscillators. Brazilian Journal of Physics, 2001, 31, 597-615.	1.4	13
29	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
30	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