Tristan Valenzuela

List of Publications by Year
in descending order

28	955	623734 14	552781 26
papers	citations	h-index	g-index

28	28	28	909
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Optical bistability and nonlinear dynamics by saturation of cold Yb atoms in a cavity. Physical Review A, 2019, 99, .	2.5	15
2	Magnetically guided Cesium interferometer for inertial sensing. Applied Physics Letters, 2017, 110, .	3.3	11
3	Fluorescence detection at the atom shot noise limit for atom interferometry. New Journal of Physics, 2014, 16, 093046.	2.9	31
4	Interferometry with Bose-Einstein Condensates in Microgravity. Physical Review Letters, 2013, 110, 093602.	7.8	296
5	iSense: A Portable Ultracold-Atom-Based Gravimeter. Procedia Computer Science, 2011, 7, 334-336.	2.0	11
6	The Space Atom Interferometer project: status and prospects. Journal of Physics: Conference Series, 2011, 327, 012050.	0.4	20
7	Fast nondestructive temperature measurement of two-electron atoms in a magneto-optical trap. Physical Review A, 2010, 81, .	2.5	10
8	Cold Ytterbium atoms in high-finesse optical cavities: Cavity cooling and collective interactions. , 2009, , .		0
9	HCOOH high-resolution spectroscopy in the 9.18Î¼m region. Journal of Molecular Spectroscopy, 2008, 247, 41-46.	1.2	13
10	High-accuracy calculations in the H⁺₂ molecular ion: towards a measurement of m_p/m_e. Canadian Journal of Physics, 2007, 85, 497-507.	1.1	11
11	Towards optical frequency metrology of the electron-to-proton mass ratio. , 2007, , .		0
12	Narrow-line phase-locked quantum cascade laser in the 92 Î¼m range. Optics Letters, 2007, 32, 1641.	3.3	30
13	Highly charged ions, quantum-electrodynamics, and the electron mass. International Journal of Mass Spectrometry, 2006, 251, 152-158.	1.5	34
14	A planar Penning trap. European Physical Journal D, 2005, 32, 139-146.	1.3	64
15	ElectronicgFactor of Hydrogenlike OxygenO7+16. Physical Review Letters, 2004, 92, 093002.	7.8	225
16	Continuous Sternâ€“Gerlach effect and the magnetic moment of the antiproton. Nuclear Instruments & Methods in Physics Research B, 2004, 214, 207-210.	1.4	19
17	Temperature measurement of a single ion in a Penning trap. European Physical Journal D, 2004, 31, 451-457.	1.3	35
18	Electron and positron cooling of highly charged ions in a cooler Penning trap. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 532, 224-228.	1.6	27

#	Article	IF	Citations
19	Determination of the g-Factor of Single Hydrogen-Like Ions by Mode Coupling in a Penning Trap. Physica Scripta, 2004, T112, 68.	2.5	24
20	Measurement of thegFactor of the Bound Electron in Hydrogen-like Oxygen16O7+. Hyperfine Interactions, 2003, 146/147, 47-52.	0.5	1
21	Determination of the electronâ€™s mass from g -factor experiments on 12 C 5+ and 16 O 7+. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 15-19.	1.4	13
22	Precision studies in traps: Measurement of fundamental constants and tests of fundamental theories. Nuclear Instruments & Methods in Physics Research B, 2003, 205, 1-8.	1.4	10
23	The magnetic moment anomaly of the electron bound in hydrogen-like oxygen16O7Â. Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 655-663.	1.5	12
24	A new value for the mass of the electron from an experiment on the g factor in 12C5+ and 16O7+. Canadian Journal of Physics, 2002, 80, 1241-1247.	1.1	4
25	Measurement of the gJ factor of a bound electron in hydrogen-like oxygen 16O7+. Canadian Journal of Physics, 2002, 80, 1233-1240.	1.1	19
26	The measurement of the electronic g-factor in hydrogen-like ions --A promising tool for determining fundamental and nuclear constants. European Physical Journal A, 2002, 15, 41-44.	2.5	14
27	Individual and center-of-mass resonances in the motional spectrum of an electron cloud in a Penning trap. European Physical Journal D, 2002, 18, 295-300.	1.3	5
28	A Possible New Value for the Electron Mass from g-Factor Measurements on Hydrogen-Like Ions. Hyperfine Interactions, 2001, 132, 209-212.	0.5	1