

Tristan Valenzuela

List of Publications by Year in descending order

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28
papers

955
citations

623734

14
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552781

26
g-index

28
all docs

28
docs citations

28
times ranked

909
citing authors

#	ARTICLE	IF	CITATIONS
1	Interferometry with Bose-Einstein Condensates in Microgravity. Physical Review Letters, 2013, 110, 093602.	7.8	296
2	Electronic g-Factor of Hydrogenlike Oxygen O ⁷⁺ . Physical Review Letters, 2004, 92, 093002.	7.8	225
3	A planar Penning trap. European Physical Journal D, 2005, 32, 139-146.	1.3	64
4	Temperature measurement of a single ion in a Penning trap. European Physical Journal D, 2004, 31, 451-457.	1.3	35
5	Highly charged ions, quantum-electrodynamics, and the electron mass. International Journal of Mass Spectrometry, 2006, 251, 152-158.	1.5	34
6	Fluorescence detection at the atom shot noise limit for atom interferometry. New Journal of Physics, 2014, 16, 093046.	2.9	31
7	Narrow-line phase-locked quantum cascade laser in the 92 μ m range. Optics Letters, 2007, 32, 1641.	3.3	30
8	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
9	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
10	The Space Atom Interferometer project: status and prospects. Journal of Physics: Conference Series, 2011, 327, 012050.	0.4	20
11	Measurement of the g _J factor of a bound electron in hydrogen-like oxygen 16O ⁷⁺ . Canadian Journal of Physics, 2002, 80, 1233-1240.	1.1	19
12	Continuous Stern-Gerlach effect and the magnetic moment of the antiproton. Nuclear Instruments & Methods in Physics Research B, 2004, 214, 207-210.	1.4	19
13	Optical bistability and nonlinear dynamics by saturation of cold Yb atoms in a cavity. Physical Review A, 2019, 99, .	2.5	15
14	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
15	Determination of the electron'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
16	HCOOH high-resolution spectroscopy in the 9.18 μ m region. Journal of Molecular Spectroscopy, 2008, 247, 41-46.	1.2	13
17	The magnetic moment anomaly of the electron bound in hydrogen-like oxygen 16O ⁷⁺ . Journal of Physics B: Atomic, Molecular and Optical Physics, 2003, 36, 655-663.	1.5	12
18	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

#	ARTICLE	IF	CITATIONS
19	iSense: A Portable Ultracold-Atom-Based Gravimeter. <i>Procedia Computer Science</i> , 2011, 7, 334-336.	2.0	11
20	Magnetically guided Cesium interferometer for inertial sensing. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	11
21	Precision studies in traps: Measurement of fundamental constants and tests of fundamental theories. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2003, 205, 1-8.	1.4	10
22	Fast nondestructive temperature measurement of two-electron atoms in a magneto-optical trap. <i>Physical Review A</i> , 2010, 81, .	2.5	10
23	Individual and center-of-mass resonances in the motional spectrum of an electron cloud in a Penning trap. <i>European Physical Journal D</i> , 2002, 18, 295-300.	1.3	5
24	A new value for the mass of the electron from an experiment on the g factor in $^{12}\text{C}^{5+}$ and $^{16}\text{O}^{7+}$. <i>Canadian Journal of Physics</i> , 2002, 80, 1241-1247.	1.1	4
25	A Possible New Value for the Electron Mass from g-Factor Measurements on Hydrogen-Like Ions. <i>Hyperfine Interactions</i> , 2001, 132, 209-212.	0.5	1
26	Measurement of the gFactor of the Bound Electron in Hydrogen-like Oxygen $^{16}\text{O}^{7+}$. <i>Hyperfine Interactions</i> , 2003, 146/147, 47-52.	0.5	1
27	Towards optical frequency metrology of the electron-to-proton mass ratio. , 2007, , .		0
28	Cold Ytterbium atoms in high-finesse optical cavities: Cavity cooling and collective interactions. , 2009, , .		0