

Gabriele Ferrari

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8055986/gabriele-ferrari-publications-by-year.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65
papers

4,295
citations

27
h-index

65
g-index

67
ext. papers

4,686
ext. citations

5.7
avg. IF

4.83
L-index

#	Paper	IF	Citations
65	Manipulation of an elongated internal Josephson junction of bosonic atoms. <i>Physical Review A</i> , 2021 , 104,	2.6	4
64	Sideband-Enhanced Cold Atomic Source for Optical Clocks. <i>Physical Review Applied</i> , 2020 , 13,	4.3	8
63	Single-shot reconstruction of the density profile of a dense atomic gas. <i>Optics Express</i> , 2020 , 28, 29408-29418	3.9	2
62	Observation of Magnetic Solitons in Two-Component Bose-Einstein Condensates. <i>Physical Review Letters</i> , 2020 , 125, 030401	7.4	18
61	Measurement of the Canonical Equation of State of a Weakly Interacting 3D Bose Gas. <i>Physical Review Letters</i> , 2020 , 125, 150404	7.4	6
60	Design and characterization of a compact magnetic shield for ultracold atomic gas experiments. <i>Review of Scientific Instruments</i> , 2019 , 90, 115114	1.7	13
59	Observation of Spin Superfluidity in a Bose Gas Mixture. <i>Physical Review Letters</i> , 2018 , 120, 170401	7.4	28
58	Production of large Bose-Einstein condensates in a magnetic-shield-compatible hybrid trap. <i>Physical Review A</i> , 2018 , 97,	2.6	9
57	Dynamical equilibration across a quenched phase transition in a trapped quantum gas. <i>Communications Physics</i> , 2018 , 1,	5.4	20
56	Optical Visibility and Core Structure of Vortex Filaments in a Bosonic Superfluid. <i>Journal of Experimental and Theoretical Physics</i> , 2018 , 127, 804-811	1	2
55	Observation of a spinning top in a Bose-Einstein condensate. <i>Physical Review A</i> , 2017 , 96,	2.6	8
54	Vortex Reconnections and Rebounds in Trapped Atomic Bose-Einstein Condensates. <i>Physical Review X</i> , 2017 , 7,	9.1	36
53	A strontium optical lattice clock apparatus for precise frequency metrology and beyond 2017 ,		3
52	Sub-Doppler cooling of sodium atoms in gray molasses. <i>Physical Review A</i> , 2016 , 93,	2.6	23
51	Creation and counting of defects in a temperature-quenched Bose-Einstein condensate. <i>Physical Review A</i> , 2016 , 94,	2.6	24
50	Spin-dipole oscillation and polarizability of a binary Bose-Einstein condensate near the miscible-immiscible phase transition. <i>Physical Review A</i> , 2016 , 94,	2.6	22
49	Dynamics and Interaction of Vortex Lines in an Elongated Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2015 , 115, 170402	7.4	49

48	Solitonic vortices in Bose-Einstein condensates. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 577-583	2.3	11
47	Physics. Dynamics of a cold quantum gas. <i>Science</i> , 2015 , 347, 127	33.3	1
46	Quasi-periodic Wannier-Stark ladders from driven atomic Bloch oscillations. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2014 , 470, 20140421	2.4	
45	Observation of solitonic vortices in Bose-Einstein condensates. <i>Physical Review Letters</i> , 2014 , 113, 065302	7.4	90
44	Compact high-flux source of cold sodium atoms. <i>Review of Scientific Instruments</i> , 2013 , 84, 063102	1.7	33
43	Spontaneous creation of Kibble-Zurek solitons in a Bose-Einstein condensate. <i>Nature Physics</i> , 2013 , 9, 656-660	16.2	157
42	Exploring the WEP with a pulsed cold beam of antihydrogen. <i>Classical and Quantum Gravity</i> , 2012 , 29, 184009	3.3	71
41	Increasing quantum degeneracy by heating a superfluid. <i>Physical Review Letters</i> , 2012 , 109, 084501	7.4	12
40	The AEGIS experiment at CERN. <i>Hyperfine Interactions</i> , 2012 , 209, 43-49	0.8	3
39	The AEGIS experiment at CERN 2012 , 43-49		
38	Measuring the fall of antihydrogen: the AEGIS experiment at CERN. <i>Physics Procedia</i> , 2011 , 17, 49-56		2
37	Antihydrogen physics: gravitation and spectroscopy in AEGIS This paper was presented at the International Conference on Precision Physics of Simple Atomic Systems, held at Collège de Physique, les Houches, France, 30 May - 4 June, 2010.. <i>Canadian Journal of Physics</i> , 2011 , 89, 17-24	1.1	12
36	Laser sources for efficient two-step Positronium excitation to Rydberg states. <i>Journal of Molecular Structure</i> , 2011 , 993, 495-499	3.4	3
35	Efficient two-step Positronium laser excitation to Rydberg levels. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2011 , 269, 1527-1533	1.2	32
34	Atomic wave packets in amplitude-modulated vertical optical lattices. <i>New Journal of Physics</i> , 2010 , 12, 065037	2.9	35
33	A novel method of preparation of silicon-on-diamond materials. <i>Diamond and Related Materials</i> , 2010 , 19, 950-955	3.5	5
32	Coherent addition of laser beams in resonant passive optical cavities. <i>Optics Letters</i> , 2010 , 35, 3105-7	3	3
31	The AEGIS detection system for gravity measurements. <i>Nuclear Physics A</i> , 2010 , 834, 751c-753c	1.3	7

30	Einstein Gravity Explorer—medium-class fundamental physics mission. <i>Experimental Astronomy</i> , 2009 , 23, 573-610	1.3	76
29	Engineering the quantum transport of atomic wavefunctions over macroscopic distances. <i>Nature Physics</i> , 2009 , 5, 547-550	16.2	81
28	Quantum sensor for atom-surface interactions below 10 ⁶ h. <i>Physical Review A</i> , 2009 , 79,	2.6	41
27	Self-similar scaling in the coherent dynamics of ultracold atoms. <i>Physical Review A</i> , 2009 , 80,	2.6	3
26	Formation Of A Cold Antihydrogen Beam in AEGIS For Gravity Measurements. <i>AIP Conference Proceedings</i> , 2008 ,	0	14
25	Coherent delocalization of atomic wave packets in driven lattice potentials. <i>Physical Review Letters</i> , 2008 , 100, 043602	7.4	82
24	Proposed antimatter gravity measurement with an antihydrogen beam. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008 , 266, 351-356	1.2	216
23	Prospect for a compact strontium optical lattice clock 2007 ,		3
22	Generating green to red light with semiconductor lasers. <i>Optics Express</i> , 2007 , 15, 1672-8	3.3	1
21	Cooling of Sr to high phase-space density by laser and sympathetic cooling in isotopic mixtures. <i>Physical Review A</i> , 2006 , 73,	2.6	26
20	LASER COOLING AND TRAPPING OF ATOMIC STRONTIUM FOR ULTRACOLD ATOMS PHYSICS, HIGH-PRECISION SPECTROSCOPY AND QUANTUM SENSORS. <i>Modern Physics Letters B</i> , 2006 , 20, 1287-1320	1.6	18
19	Long-lived BLOCH oscillations with bosonic sr atoms and application to gravity measurement at the micrometer scale. <i>Physical Review Letters</i> , 2006 , 97, 060402	7.4	186
18	Laser sources for precision spectroscopy on atomic strontium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 981-6	4.4	17
17	Cavity-enhanced single-frequency synthesis via difference-frequency generation of mode-locked pulse trains. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2005 , 22, 2115	1.7	2
16	Cooling and trapping of ultracold strontium isotopic mixtures. <i>Physical Review A</i> , 2005 , 71,	2.6	35
15	Laser sources for precision spectroscopy on atomic strontium 2004 ,		2
14	A Bose-Einstein condensate immersed in a Fermi sea: observation of ultra-cold mixture of Bose and Fermi gases. <i>Physica B: Condensed Matter</i> , 2003 , 329-333, 13-16	2.8	5
13	Precision frequency measurement of visible intercombination lines of strontium. <i>Physical Review Letters</i> , 2003 , 91, 243002	7.4	60

12	Collisional properties of ultracold K-Rb mixtures. <i>Physical Review Letters</i> , 2002 , 89, 053202	7.4	114
11	Formation of a matter-wave bright soliton. <i>Science</i> , 2002 , 296, 1290-3	33.3	1218
10	Collision-assisted Zeeman cooling of neutral atoms. <i>European Physical Journal D</i> , 2001 , 13, 67-70	1.3	4
9	Dynamic structure factor of a superfluid Fermi gas. <i>European Physical Journal D</i> , 2001 , 17, 49-55	1.3	42
8	Bose-Einstein condensation of potassium atoms by sympathetic cooling. <i>Science</i> , 2001 , 294, 1320-2	33.3	296
7	Sympathetic cooling of bosonic and fermionic lithium gases towards quantum degeneracy. <i>Physical Review A</i> , 2001 , 64,	2.6	111
6	Quasipure Bose-Einstein condensate immersed in a Fermi sea. <i>Physical Review Letters</i> , 2001 , 87, 080403	7.4	667
5	Collisional relaxation in a fermionic gas. <i>Physical Review A</i> , 1999 , 59, R4125-R4128	2.6	35
4	Simultaneous magneto-optical trapping of two lithium isotopes. <i>Physical Review A</i> , 1999 , 61,	2.6	67
3	High-power multiple-frequency narrow-linewidth laser source based on a semiconductor tapered amplifier. <i>Optics Letters</i> , 1999 , 24, 151-3	3	33
2	Giant Spin Relaxation of an Ultracold Cesium Gas. <i>Physical Review Letters</i> , 1998 , 80, 1869-1872	7.4	87
1	Quantum-torque-induced breaking of magnetic interfaces in ultracold gases. <i>Nature Physics</i> ,	16.2	1