

Christophe Salomon

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

2,658
citations

361045

20
h-index

610482

24
g-index

24
all docs

24
docs citations

24
times ranked

2405
citing authors

#	ARTICLE	IF	CITATIONS
1	Bloch Oscillations of Atoms in an Optical Potential. Physical Review Letters, 1996, 76, 4508-4511.	2.9	805
2	Improved Measurement of the Hydrogen Frequency. Physical Review Letters, 2011, 107, 203001.	2.9	343
3	Precision Measurement of the Hydrogen Frequency via a 920-km Fiber Link. Physical Review Letters, 2013, 110, 230801.	2.9	169
4	New Light on Quantum Transport. Physics Today, 1997, 50, 30-34.	0.3	160
5	Bloch oscillations of atoms, adiabatic rapid passage, and monokinetic atomic beams. Physical Review A, 1997, 55, 2989-3001.	1.0	158
6	Dynamics and Thermodynamics of the Low-Temperature Strongly Interacting Bose Gas. Physical Review Letters, 2011, 107, 135301.	2.9	106
7	Measuring the One-Particle Excitations of Ultracold Fermionic Atoms by Stimulated Raman Spectroscopy. Physical Review Letters, 2007, 98, 240402.	2.9	98
8	Cooling fermionic atoms in optical lattices by shaping the confinement. Physical Review A, 2009, 79, .	1.0	89
9	Enhanced sub-Doppler cooling of lithium atoms in gray molasses. Physical Review A, 2013, 87, .	1.0	88
10	Does an atom interferometer test the gravitational redshift at the Compton frequency?. Classical and Quantum Gravity, 2011, 28, 145017.	1.5	80
11	Critical Velocity and Dissipation of an Ultracold Bose-Fermi Counterflow. Physical Review Letters, 2015, 115, 265303.	2.9	77
12	Simultaneous magneto-optical trapping of two lithium isotopes. Physical Review A, 1999, 61, .	1.0	71
13	Realizing a Kondo-Correlated State with Ultracold Atoms. Physical Review Letters, 2013, 111, 215304.	2.9	69
14	The ACES/PHARAO space mission. Comptes Rendus Physique, 2015, 16, 540-552.	0.3	60
15	Atom gravimeters and gravitational redshift. Nature, 2010, 467, E1-E1.	13.7	53
16	Simultaneous sub-Doppler laser cooling of fermionic ^6Li and ^40K .	1.0	42
17	Universal Loss Dynamics in a Unitary Bose Gas. Physical Review X, 2016, 6, .	2.8	41
18	High-power multiple-frequency narrow-linewidth laser source based on a semiconductor tapered amplifier. Optics Letters, 1999, 24, 151.	1.7	40

#	ARTICLE	IF	CITATIONS
19	La vitesse critique de Landau d'une particule dans un superfluide de fermions. Comptes Rendus Physique, 2015, 16, 241-253.	0.3	29
20	Testing gravity with cold-atom clocks in space. European Physical Journal D, 2020, 74, 1.	0.6	23
21	Exploring the foundations of the physical universe with space tests of the equivalence principle. Experimental Astronomy, 2021, 51, 1695-1736.	1.6	20
22	24-watts second-harmonic generation in ppZnO:LN ridge waveguide for lithium laser cooling. Optics Express, 2017, 25, 14840.	1.7	17
23	Reply to comment on: "Does an atom interferometer test the gravitational redshift at the Compton frequency?" Classical and Quantum Gravity, 2012, 29, 048002.	1.5	12
24	Microwave lensing frequency shift of the PHARAO laser-cooled microgravity atomic clock. Metrologia, 2016, 53, 899-907.	0.6	8