

# JÃ©rÃ´me EstÃ¨ve

## List of Publications by Year in descending order

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Version: 2024-02-01

37  
papers

3,139  
citations

304743

22  
h-index

361022

35  
g-index

37  
all docs

37  
docs citations

37  
times ranked

2750  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nonlinear atom interferometer surpasses classical precision limit. Nature, 2010, 464, 1165-1169.	27.8	744
2	Squeezing and entanglement in a Bose-Einstein condensate. Nature, 2008, 455, 1216-1219.	27.8	636
3	Experimental Observation of Oscillating and Interacting Matter Wave Dark Solitons. Physical Review Letters, 2008, 101, 130401.	7.8	252
4	Observations of Density Fluctuations in an Elongated Bose Gas: Ideal Gas and Quasicondensate Regimes. Physical Review Letters, 2006, 96, 130403.	7.8	183
5	Entangled States of More Than 40 Atoms in an Optical Fiber Cavity. Science, 2014, 344, 180-183.	12.6	133
6	Observation of the Unconventional Photon Blockade in the Microwave Domain. Physical Review Letters, 2018, 121, 043602.	7.8	116
7	Role of wire imperfections in micromagnetic traps for atoms. Physical Review A, 2004, 70, .	2.5	107
8	Cavity-Based Single Atom Preparation and High-Fidelity Hyperfine State Readout. Physical Review Letters, 2010, 104, 203602.	7.8	102
9	Measurement of the internal state of a single atom without energy exchange. Nature, 2011, 475, 210-213.	27.8	93
10	Deterministic generation of multiparticle entanglement by quantum Zeno dynamics. Science, 2015, 349, 1317-1321.	12.6	93
11	Widely Tunable Single-Photon Source from a Carbon Nanotube in the Purcell Regime. Physical Review Letters, 2016, 116, 247402.	7.8	79
12	Multimode Storage and Retrieval of Microwave Fields in a Spin Ensemble. Physical Review X, 2014, 4, .	8.9	77
13	Enhanced and Reduced Atom Number Fluctuations in a BEC Splitter. Physical Review Letters, 2010, 105, 080403.	7.8	73
14	Cavity quantum electrodynamics with charge-controlled quantum dots coupled to a fiber Fabry-Perot cavity. New Journal of Physics, 2013, 15, 045002.	2.9	58
15	Atom chips in the real world: the effects of wire corrugation. European Physical Journal D, 2005, 32, 171-180.	1.3	54
16	A primary noise thermometer for ultracold Bose gases. New Journal of Physics, 2006, 8, 189-189.	2.9	54
17	Polariton Boxes in a Tunable Fiber Cavity. Physical Review Applied, 2015, 3, .	3.8	39
18	Experimental Evidence for the Breakdown of a Hartree-Fock Approach in a Weakly Interacting Bose Gas. Physical Review Letters, 2006, 97, 250403.	7.8	34

#	ARTICLE	IF	CITATIONS
19	Trapping Fermionic 40K and Bosonic 87Rb on a Chip. Journal of Low Temperature Physics, 2005, 140, 377-396.	1.4	32
20	High kinetic inductance microwave resonators made by He-Beam assisted deposition of tungsten nanowires. Applied Physics Letters, 2019, 114, .	3.3	24
21	Specular Reflection of Matter Waves from a Rough Mirror. Physical Review Letters, 2002, 88, 250404.	7.8	22
22	Realizing a stable magnetic double-well potential on an atom chip. European Physical Journal D, 2005, 35, 141-146.	1.3	22
23	Local and spatially extended sub-Poisson atom-number fluctuations in optical lattices. Physical Review A, 2011, 84, .	2.5	17
24	Gate-assisted phase fluctuations in all-metallic Josephson junctions. Physical Review Research, 2021, 3, .	3.6	16
25	Symmetric microwave potentials for interferometry with thermal atoms on a chip. Physical Review A, 2015, 91, .	2.5	15
26	Effective parameters for weakly coupled Bose-Einstein condensates. New Journal of Physics, 2008, 10, 045009.	2.9	14
27	Two-mode Bose gas: Beyond classical squeezing. Physical Review A, 2010, 81, .	2.5	14
28	Nonadiabatic dynamics in strongly driven diffusive Josephson junctions. Physical Review Research, 2019, 1, .	3.6	8
29	Trapped by nanostructures. Nature Nanotechnology, 2013, 8, 317-318.	31.5	7
30	An atom interferometer for measuring loss of coherence from an atom mirror. European Physical Journal D, 2004, 31, 487-491.	1.3	4
31	Towards a monolithic optical cavity for atom detection and manipulation. European Physical Journal D, 2009, 53, 107-111.	1.3	4
32	Limits of atomic entanglement by cavity feedback: From weak to strong coupling. Europhysics Letters, 2016, 113, 34005.	2.0	4
33	SQUEEZING AND ENTANGLEMENT IN A BOSE-EINSTEIN CONDENSATE. , 2010, , .		3
34	Observation of topological valley Hall edge states in honeycomb lattices of superconducting microwave resonators. Optical Materials Express, 2021, 11, 1224.	3.0	3
35	Producing and Detecting Correlated Atoms. AIP Conference Proceedings, 2006, , .	0.4	2
36	Bulk properties of honeycomb lattices of superconducting microwave resonators. Physical Review Research, 2022, 4, .	3.6	1

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37	Splitting of trapped thermal atoms for atom-chip based interferometry. , 2013, , .		0