

Raphael Lopes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9037659/publications.pdf>

Version: 2024-02-01

25
papers

1,114
citations

516681

16
h-index

610883

24
g-index

26
all docs

26
docs citations

26
times ranked

1211
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic Analog to the Dynamical Casimir Effect in a Bose-Einstein Condensate. Physical Review Letters, 2012, 109, 220401.	7.8	153
2	Atomic Hong-Kou-Mandel experiment. Nature, 2015, 520, 66-68.	27.8	151
3	Universal prethermal dynamics of Bose gases quenched to unitarity. Nature, 2018, 563, 221-224.	27.8	117
4	Quantum Depletion of a Homogeneous Bose-Einstein Condensate. Physical Review Letters, 2017, 119, 190404.	7.8	102
5	Two- and three-body contacts in the unitary Bose gas. Science, 2017, 355, 377-380.	12.6	85
6	Violation of the Cauchy-Schwarz Inequality with Matter Waves. Physical Review Letters, 2012, 108, 260401.	7.8	77
7	Probing chiral edge dynamics and bulk topology of a synthetic Hall system. Nature Physics, 2020, 16, 1017-1021.	16.7	59
8	Synthetic dissipation and cascade fluxes in a turbulent quantum gas. Science, 2019, 366, 382-385.	12.6	47
9	Universal Scaling Laws in the Dynamics of a Homogeneous Unitary Bose Gas. Physical Review Letters, 2017, 119, 250404.	7.8	43
10	Tunable source of correlated atom beams. Physical Review A, 2013, 87, .	2.5	40
11	Observation of first and second sound in a BKT superfluid. Nature, 2021, 594, 191-194.	27.8	37
12	Formation of H_3^+ by radiative association of H_2 and H^+ in the interstellar medium. Physical Review A, 2011, 83, .	2.5	36
13	Quasiparticle Energy in a Strongly Interacting Homogeneous Bose-Einstein Condensate. Physical Review Letters, 2017, 118, 210401.	7.8	35
14	Enhanced Magnetic Sensitivity with Non-Gaussian Quantum Fluctuations. Physical Review Letters, 2019, 122, 173601.	7.8	27
15	From single-particle excitations to sound waves in a box-trapped atomic Bose-Einstein condensate. Physical Review A, 2019, 99, .	2.5	24
16	Probing Quantum Criticality and Symmetry Breaking at the Microscopic Level. Physical Review Letters, 2019, 123, 120601.	7.8	19
17	Laughlin's Topological Charge Pump in an Atomic Hall Cylinder. Physical Review Letters, 2022, 128, 173202.	7.8	14
18	Two-Particle Four-Mode Interferometer for Atoms. Physical Review Letters, 2017, 119, 173202.	7.8	13

#	ARTICLE	IF	CITATIONS
19	Anisotropic light shift and magic polarization of the intercombination line of dysprosium atoms in a far-detuned dipole trap. <i>Physical Review A</i> , 2018, 98, .	2.5	11
20	Second-order coherence of superradiance from a Bose-Einstein condensate. <i>Physical Review A</i> , 2014, 90, .	2.5	7
21	Elliptic flow in a strongly interacting normal Bose gas. <i>Physical Review A</i> , 2018, 98, .	2.5	6
22	Many-Body Decay of the Gapped Lowest Excitation of a Bose-Einstein Condensate. <i>Physical Review Letters</i> , 2021, 126, 060402.	7.8	6
23	Simulating two-dimensional dynamics within a large-size atomic spin. <i>Physical Review A</i> , 2022, 105, .	2.5	3
24	Partitioning dysprosium's electronic spin to reveal entanglement in nonclassical states. <i>Physical Review Research</i> , 2021, 3, .	3.6	2
25	Radio-frequency evaporation in an optical dipole trap. <i>Physical Review A</i> , 2021, 104, .	2.5	0