

Subhadeep Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,301
citations

516710

16
h-index

526287

27
g-index

28
all docs

28
docs citations

28
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of quantum-measurement backaction with an ultracold atomic gas. Nature Physics, 2008, 4, 561-564.	16.7	376
2	Cavity Nonlinear Optics at Low Photon Numbers from Collective Atomic Motion. Physical Review Letters, 2007, 99, 213601.	7.8	240
3	Two-Element Mixture of Bose and Fermi Superfluids. Physical Review Letters, 2017, 118, 055301.	7.8	83
4	Quantum degenerate mixture of ytterbium and lithium atoms. Physical Review A, 2011, 84, .	2.5	74
5	Sympathetic Cooling in an Optically Trapped Mixture of Alkali and Spin-Singlet Atoms. Physical Review Letters, 2011, 106, 153201.	7.8	62
6	Three-Path Atom Interferometry with Large Momentum Separation. Physical Review Letters, 2018, 121, 133201.	7.8	52
7	Production of quantum-degenerate mixtures of ytterbium and lithium with controllable interspecies overlap. Physical Review A, 2013, 87, .	2.5	51
8	Ultracold Heteronuclear Mixture of Ground and Excited State Atoms. Physical Review Letters, 2014, 112, 033201.	7.8	44
9	Rapid cooling to quantum degeneracy in dynamically shaped atom traps. Physical Review A, 2016, 93, .	2.5	38
10	Feshbach Resonances in p -Wave Three-Body Recombination within Fermi-Fermi Mixtures of Open-Shell Li	8.9	33
11	Advances in precision contrast interferometry with Yb Bose-Einstein condensates. Physical Review A, 2014, 90, .	2.5	29
12	Photoassociative production of ultracold heteronuclear YbLi molecules. Physical Review A, 2016, 94, .	2.5	27
13	Atomic interactions in precision interferometry using Bose-Einstein condensates. Physical Review A, 2011, 84, .	2.5	24
14	Magnetic field dependent interactions in an ultracold $\text{Li}^{\infty}\text{Yb}^{3}\text{P}^{2}$ mixture. New Journal of Physics, 2015, 17, 055007.	2.9	19
15	Search for Off-Diagonal Density Matrix Elements for Atoms in a Supersonic Beam. Physical Review Letters, 1999, 82, 2018-2021.	7.8	17
16	Coherent manipulation of atoms with standing light waves. Comptes Rendus Physique, 2001, 2, 479-495.	0.1	16
17	Collisions in Zero Temperature Fermi Gases. Physical Review Letters, 2004, 92, 100401.	7.8	16
18	Laser-driven Sisyphus cooling in an optical dipole trap. Physical Review A, 2011, 84, .	2.5	15

#	ARTICLE	IF	CITATIONS
19	Active stabilization of a diode laser injection lock. Review of Scientific Instruments, 2016, 87, 063109.	1.3	14
20	Dynamics of Feshbach molecules in an ultracold three-component mixture. Physical Review A, 2012, 86, .	2.5	13
21	Two-photon photoassociation spectroscopy of the YbLi molecular ground state. Physical Review A, 2019, 99, .	2.5	11
22	Bloch-band picture for light-pulse atom diffraction and interferometry. Physical Review A, 2019, 100, .	2.5	10
23	Excited-band Bloch oscillations for precision atom interferometry. Physical Review A, 2020, 101, .	2.5	9
24	Measurement of the Density Matrix of a Longitudinally Modulated Atomic Beam. Physical Review Letters, 1999, 83, 2285-2288.	7.8	8
25	Crossed-beam slowing to enhance narrow-line ytterbium magneto-optic traps. Review of Scientific Instruments, 2020, 91, 093201.	1.3	7
26	Dual-axis vapor cell for simultaneous laser frequency stabilization on disparate optical transitions. Review of Scientific Instruments, 2015, 86, 073115.	1.3	6
27	Interferometry in an Atomic Fountain with Ytterbium Bose-Einstein Condensates. Atoms, 2021, 9, 58.	1.6	5
28	QUANTUM MICRO-MECHANICS WITH ULTRACOLD ATOMS. , 2009, , .		2