

Subhadeep Gupta

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,301
citations

516710

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| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Interferometry in an Atomic Fountain with Ytterbium Bose-Einstein Condensates. <i>Atoms</i> , 2021, 9, 58. | 1.6 | 5 |
| 2 | Crossed-beam slowing to enhance narrow-line ytterbium magneto-optic traps. <i>Review of Scientific Instruments</i> , 2020, 91, 093201. | 1.3 | 7 |
| 3 | Wave Three-Body Recombination within Fermi-Fermi Mixtures of Open-Shell ^6Li Molecules. <i>Physical Review Letters</i> , 2020, 125, 103201. | 8.9 | 33 |
| 4 | Excited-band Bloch oscillations for precision atom interferometry. <i>Physical Review A</i> , 2020, 101, . | 2.5 | 9 |
| 5 | Two-photon photoassociation spectroscopy of the ^6Li molecular ground state. <i>Physical Review A</i> , 2019, 99, . | 2.5 | 11 |
| 6 | Bloch-band picture for light-pulse atom diffraction and interferometry. <i>Physical Review A</i> , 2019, 100, . | 2.5 | 10 |
| 7 | Three-Path Atom Interferometry with Large Momentum Separation. <i>Physical Review Letters</i> , 2018, 121, 133201. | 7.8 | 52 |
| 8 | Two-Element Mixture of Bose and Fermi Superfluids. <i>Physical Review Letters</i> , 2017, 118, 055301. | 7.8 | 83 |
| 9 | Active stabilization of a diode laser injection lock. <i>Review of Scientific Instruments</i> , 2016, 87, 063109. | 1.3 | 14 |
| 10 | Photoassociative production of ultracold heteronuclear YbLi molecules. <i>Physical Review A</i> , 2016, 94, . | 2.5 | 17 |
| 11 | Rapid cooling to quantum degeneracy in dynamically shaped atom traps. <i>Physical Review A</i> , 2016, 93, . | 2.5 | 38 |
| 12 | Dual-axis vapor cell for simultaneous laser frequency stabilization on disparate optical transitions. <i>Review of Scientific Instruments</i> , 2015, 86, 073115. | 1.3 | 6 |
| 13 | Magnetic field dependent interactions in an ultracold $^3\text{YbP}_2$ mixture. <i>New Journal of Physics</i> , 2015, 17, 055007. | 2.9 | 19 |
| 14 | Advances in precision contrast interferometry with Yb Bose-Einstein condensates. <i>Physical Review A</i> , 2014, 90, . | 2.5 | 29 |
| 15 | Ultracold Heteronuclear Mixture of Ground and Excited State Atoms. <i>Physical Review Letters</i> , 2014, 112, 033201. | 7.8 | 44 |
| 16 | Production of quantum-degenerate mixtures of ytterbium and lithium with controllable interspecies overlap. <i>Physical Review A</i> , 2013, 87, . | 2.5 | 51 |
| 17 | Dynamics of Feshbach molecules in an ultracold three-component mixture. <i>Physical Review A</i> , 2012, 86, . | 2.5 | 13 |
| 18 | Laser-driven Sisyphus cooling in an optical dipole trap. <i>Physical Review A</i> , 2011, 84, . | 2.5 | 15 |

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|----|---|------|-----------|
| 19 | Atomic interactions in precision interferometry using Bose-Einstein condensates. Physical Review A, 2011, 84, . | 2.5 | 24 |
| 20 | Quantum degenerate mixture of ytterbium and lithium atoms. Physical Review A, 2011, 84, . | 2.5 | 74 |
| 21 | Sympathetic Cooling in an Optically Trapped Mixture of Alkali and Spin-Singlet Atoms. Physical Review Letters, 2011, 106, 153201. | 7.8 | 62 |
| 22 | QUANTUM MICRO-MECHANICS WITH ULTRACOLD ATOMS. , 2009, , . | | 2 |
| 23 | Observation of quantum-measurement backaction with an ultracold atomic gas. Nature Physics, 2008, 4, 561-564. | 16.7 | 376 |
| 24 | Cavity Nonlinear Optics at Low Photon Numbers from Collective Atomic Motion. Physical Review Letters, 2007, 99, 213601. | 7.8 | 240 |
| 25 | Collisions in Zero Temperature Fermi Gases. Physical Review Letters, 2004, 92, 100401. | 7.8 | 16 |
| 26 | Coherent manipulation of atoms with standing light waves. Comptes Rendus Physique, 2001, 2, 479-495. | 0.1 | 16 |
| 27 | Search for Off-Diagonal Density Matrix Elements for Atoms in a Supersonic Beam. Physical Review Letters, 1999, 82, 2018-2021. | 7.8 | 17 |
| 28 | Measurement of the Density Matrix of a Longitudinally Modulated Atomic Beam. Physical Review Letters, 1999, 83, 2285-2288. | 7.8 | 8 |