

Leonid Gerasimov

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

106
citations

1651377

6
h-index

1526636

10
g-index

14
all docs

14
docs citations

14
times ranked

103
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Single collective excitation of an atomic array trapped along a waveguide: A study of cooperative emission for different atomic chain configurations. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 7 |
| 2 | Dynamics of a spin qubit in an optical dipole trap. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 9 |
| 3 | Quantum interface between light and a one-dimensional atomic system. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 5 |
| 4 | Raman sideband cooling of a single atom in an optical dipole trap: Toward a theoretical optimum in a three-dimensional regime. <i>Physical Review A</i> , 2019, 99, . | 1.0 | 6 |
| 5 | Light scattering from an atomic array trapped near a one-dimensional nanoscale waveguide: A microscopic approach. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 16 |
| 6 | Bragg Diffraction in Atomic Systems in Quantum Degeneracy Conditions. <i>JETP Letters</i> , 2018, 108, 714-721. | 0.4 | 3 |
| 7 | Light scattering from an atomic gas under conditions of quantum degeneracy. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 1 |
| 8 | On a theory of light scattering from a Bose-Einstein condensate. <i>Journal of Physics: Conference Series</i> , 2016, 769, 012045. | 0.3 | 5 |
| 9 | Random lasing in an inhomogeneous and disordered system of cold atoms. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2015, 119, 377-384. | 0.2 | 4 |
| 10 | Coherent control of light transport in a dense and disordered atomic ensemble. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 8 |
| 11 | Raman process under condition of radiation trapping in a disordered atomic medium. <i>Physical Review A</i> , 2014, 90, . | 1.0 | 4 |
| 12 | Quantum hologram of macroscopically entangled light via the mechanism of diffuse light storage. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2012, 45, 124012. | 0.6 | 6 |
| 13 | Optical control of diffuse light storage in an ultracold atomic gas. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2011, 28, 1459. | 0.9 | 8 |
| 14 | Quantum memory for light via a stimulated off-resonant Raman process: Beyond the three-level $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ -scheme approximation. <i>Physical Review A</i> , 2010, 82, . | 1.0 | 24 |