

JiÅÃ- MinÅjÅ

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

1,161
citations

623734

14
h-index

501196

28
g-index

30
all docs

30
docs citations

30
times ranked

1095
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Demonstration of Atomic Frequency Comb Memory for Light with Spin-Wave Storage. Physical Review Letters, 2010, 104, 040503. | 7.8 | 207 |
| 2 | Long-distance entanglement distribution with single-photon sources. Physical Review A, 2007, 76, . | 2.5 | 173 |
| 3 | Telecommunication-Wavelength Solid-State Memory at the Single Photon Level. Physical Review Letters, 2010, 104, 080502. | 7.8 | 162 |
| 4 | Efficient excitation of a two-level atom by a single photon in a propagating mode. Physical Review A, 2011, 83, . | 2.5 | 92 |
| 5 | Topological properties of a dense atomic lattice gas. Physical Review A, 2017, 96, . | 2.5 | 81 |
| 6 | Phase-noise measurements in long-fiber interferometers for quantum-repeater applications. Physical Review A, 2008, 77, . | 2.5 | 70 |
| 7 | Facilitation Dynamics and Localization Phenomena in Rydberg Lattice Gases with Position Disorder. Physical Review Letters, 2017, 118, 063606. | 7.8 | 68 |
| 8 | Approaches for a quantum memory at telecommunication wavelengths. Physical Review A, 2011, 83, . | 2.5 | 47 |
| 9 | Impossibility of faithfully storing single photons with the three-pulse photon echo. Physical Review A, 2010, 81, . | 2.5 | 30 |
| 10 | Quantum repeaters based on heralded qubit amplifiers. Physical Review A, 2012, 85, . | 2.5 | 27 |
| 11 | Quantum many-body scars in transverse field Ising ladders and beyond. Physical Review B, 2020, 101, . | 3.2 | 24 |
| 12 | Spin-wave storage using chirped control fields in atomic frequency comb-based quantum memory. Physical Review A, 2010, 82, . | 2.5 | 23 |
| 13 | Emergent Devil's Staircase without Particle-Hole Symmetry in Rydberg Quantum Gases with Competing Attractive and Repulsive Interactions. Physical Review Letters, 2015, 115, 203001. | 7.8 | 23 |
| 14 | Solving correlation clustering with QAOA and a Rydberg qudit system: a full-stack approach. Quantum - the Open Journal for Quantum Science, 0, 6, 687. | 0.0 | 20 |
| 15 | Quantum memory with a single two-level atom in a half cavity. Physical Review A, 2012, 85, . | 2.5 | 16 |
| 16 | Electric control of collective atomic coherence in an erbium-doped solid. New Journal of Physics, 2009, 11, 113019. | 2.9 | 13 |
| 17 | Open quantum dynamics induced by light scalar fields. Physical Review D, 2019, 100, . | 4.7 | 13 |
| 18 | Mimicking Dirac fields in curved spacetime with fermions in lattices with non-unitary tunneling amplitudes. Journal of Physics A: Mathematical and Theoretical, 2015, 48, 165001. | 2.1 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Precision requirements for spin-echo-based quantum memories. Physical Review A, 2011, 83, . | 2.5 | 9 |
| 20 | From antiferromagnetic ordering to magnetic textures in the two-dimensional Fermi-Hubbard model with synthetic spin-orbit interactions. Physical Review B, 2013, 88, . | 3.2 | 9 |
| 21 | State-dependent atomic excitation by multiphoton pulses propagating along two spatial modes. Physical Review A, 2012, 86, . | 2.5 | 8 |
| 22 | Bounding quantum-gravity-inspired decoherence using atom interferometry. Physical Review A, 2016, 94, . | 2.5 | 8 |
| 23 | Disorder enhanced quantum many-body scars in Hilbert hypercubes. Physical Review B, 2021, 103, . | 3.2 | 8 |
| 24 | Crystalline structures in a one-dimensional two-component lattice gas with $1/r^{\epsilon}$ interactions. Journal of Statistical Mechanics: Theory and Experiment, 2016, 2016, 033111. | 2.3 | 6 |
| 25 | Dissipative quantum state preparation and metastability in two-photon micromasers. Physical Review A, 2020, 101, . | 2.5 | 6 |
| 26 | Prospects of charged-oscillator quantum-state generation with Rydberg atoms. Physical Review A, 2016, 94, . | 2.5 | 3 |
| 27 | Supersymmetry and multicriticality in a ladder of constrained fermions. SciPost Physics, 2021, 11, . | 4.9 | 2 |
| 28 | Kink Dynamics and Quantum Simulation of Supersymmetric Lattice Hamiltonians. Physical Review Letters, 2022, 128, 050504. | 7.8 | 2 |
| 29 | State selective cooling of $SU(N)$ Fermi gases. Physical Review A, 2021, 104, . | 2.5 | 2 |
| 30 | Precision requirements for spin-echo based quantum memories. , 2011, , . | | 0 |