

Tomás Ramos

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

797
citations

840776

11
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888059

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19
all docs

19
docs citations

19
times ranked

727
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Decimation technique for open quantum systems: A case study with driven-dissipative bosonic chains. <i>Physical Review A</i> , 2022, 105, . | 2.5 | 1 |
| 2 | Universal Deterministic Quantum Operations in Microwave Quantum Links. <i>Physical Review Applied</i> , 2022, 17, . | 3.8 | 4 |
| 3 | Complete Physical Characterization of Quantum Nondemolition Measurements via Tomography. <i>Physical Review Letters</i> , 2022, 129, . | 7.8 | 3 |
| 4 | Experimental Reconstruction of the Few-Photon Nonlinear Scattering Matrix from a Single Quantum Dot in a Nanophotonic Waveguide. <i>Physical Review Letters</i> , 2021, 126, 023603. | 7.8 | 27 |
| 5 | Topological input-output theory for directional amplification. <i>Physical Review A</i> , 2021, 103, . | 2.5 | 16 |
| 6 | Dynamics of Rydberg excitations and quantum correlations in an atomic array coupled to a photonic crystal waveguide. <i>Physical Review A</i> , 2020, 102, . | 2.5 | 10 |
| 7 | Fast High-Fidelity Quantum Nondemolition Qubit Readout via a Nonperturbative Cross-Kerr Coupling. <i>Physical Review X</i> , 2020, 10, . | 8.9 | 31 |
| 8 | Correlated dephasing noise in single-photon scattering. <i>New Journal of Physics</i> , 2018, 20, 105007. | 2.9 | 8 |
| 9 | Quantum probe of an on-chip broadband interferometer for quantum microwave photonics. <i>Superconductor Science and Technology</i> , 2018, 31, 115002. | 3.5 | 8 |
| 10 | Multiphoton Scattering Tomography with Coherent States. <i>Physical Review Letters</i> , 2017, 119, 153601. | 7.8 | 13 |
| 11 | Non-Markovian dynamics in chiral quantum networks with spins and photons. <i>Physical Review A</i> , 2016, 93, . | 2.5 | 91 |
| 12 | Implementation of chiral quantum optics with Rydberg and trapped-ion setups. <i>Physical Review A</i> , 2016, 93, . | 2.5 | 35 |
| 13 | First principles approach to the Abraham–Minkowski controversy for the momentum of light in general linear non-dispersive media. <i>Journal of Optics (United Kingdom)</i> , 2015, 17, 025611. | 2.2 | 28 |
| 14 | Quantum optics of chiral spin networks. <i>Physical Review A</i> , 2015, 91, . | 2.5 | 220 |
| 15 | Quantum Spin Dimers from Chiral Dissipation in Cold-Atom Chains. <i>Physical Review Letters</i> , 2014, 113, 237203. | 7.8 | 143 |
| 16 | Nonlinear Quantum Optomechanics via Individual Intrinsic Two-Level Defects. <i>Physical Review Letters</i> , 2013, 110, 193602. | 7.8 | 130 |
| 17 | Relativistic Lagrangian model of a nematic liquid crystal interacting with an electromagnetic field. <i>Physical Review E</i> , 2012, 86, 031703. | 2.1 | 7 |
| 18 | Relativistic analysis of the dielectric Einstein box: Abraham, Minkowski and total energy–momentum tensors. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2011, 375, 1703-1709. | 2.1 | 22 |