

Vincenzo Macri

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

957
citations

566801

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18
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647
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Revealing higher-order light and matter energy exchanges using quantum trajectories in ultrastrong coupling. <i>Physical Review A</i> , 2022, 105, . | 1.0 | 5 |
| 2 | Regimes of cavity QED under incoherent excitation: From weak to deep strong coupling. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 12 |
| 3 | Dissipative state transfer and Maxwell's demon in single quantum trajectories: Excitation transfer between two noninteracting qubits via unbalanced dissipation rates. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 7 |
| 4 | Spin squeezing by one-photon two-atom excitation processes in atomic ensembles. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 20 |
| 5 | Conversion of mechanical noise into correlated photon pairs: Dynamical Casimir effect from an incoherent mechanical drive. <i>Physical Review A</i> , 2019, 100, . | 1.0 | 24 |
| 6 | Interaction of Mechanical Oscillators Mediated by the Exchange of Virtual Photon Pairs. <i>Physical Review Letters</i> , 2019, 122, 030402. | 2.9 | 54 |
| 7 | Resolution of gauge ambiguities in ultrastrong-coupling cavity quantum electrodynamics. <i>Nature Physics</i> , 2019, 15, 803-808. | 6.5 | 131 |
| 8 | Emission of photon pairs by mechanical stimulation of the squeezed vacuum. <i>Physical Review A</i> , 2019, 100, . | 1.0 | 48 |
| 9 | Nonperturbative Dynamical Casimir Effect in Optomechanical Systems: Vacuum Casimir-Rabi Splittings. <i>Physical Review X</i> , 2018, 8, . | 2.8 | 57 |
| 10 | Dissipation and thermal noise in hybrid quantum systems in the ultrastrong-coupling regime. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 57 |
| 11 | Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 39 |
| 12 | Frequency conversion in ultrastrong cavity QED. <i>Scientific Reports</i> , 2017, 7, 5313. | 1.6 | 57 |
| 13 | Quantum nonlinear optics without photons. <i>Physical Review A</i> , 2017, 96, . | 1.0 | 60 |
| 14 | Deterministic quantum nonlinear optics with single atoms and virtual photons. <i>Physical Review A</i> , 2017, 95, . | 1.0 | 113 |
| 15 | Deterministic synthesis of mechanical NOON states in ultrastrong optomechanics. <i>Physical Review A</i> , 2016, 94, . | 1.0 | 17 |
| 16 | One Photon Can Simultaneously Excite Two or More Atoms. <i>Physical Review Letters</i> , 2016, 117, 043601. | 2.9 | 123 |
| 17 | Multiphoton quantum Rabi oscillations in ultrastrong cavity QED. <i>Physical Review A</i> , 2015, 92, . | 1.0 | 118 |
| 18 | Single-step arbitrary control of mechanical quantum states in ultrastrong optomechanics. <i>Physical Review A</i> , 2015, 91, . | 1.0 | 15 |