

Vincenzo Macri

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

957
citations

567281

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839539

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18
all docs

18
docs citations

18
times ranked

647
citing authors

#	ARTICLE	IF	CITATIONS
1	Revealing higher-order light and matter energy exchanges using quantum trajectories in ultrastrong coupling. Physical Review A, 2022, 105, .	2.5	5
2	Regimes of cavity QED under incoherent excitation: From weak to deep strong coupling. Physical Review Research, 2022, 4, .	3.6	12
3	Dissipative state transfer and Maxwell's demon in single quantum trajectories: Excitation transfer between two noninteracting qubits via unbalanced dissipation rates. Physical Review A, 2021, 103, .	2.5	7
4	Spin squeezing by one-photon two-atom excitation processes in atomic ensembles. Physical Review A, 2020, 101, .	2.5	20
5	Conversion of mechanical noise into correlated photon pairs: Dynamical Casimir effect from an incoherent mechanical drive. Physical Review A, 2019, 100, .	2.5	24
6	Interaction of Mechanical Oscillators Mediated by the Exchange of Virtual Photon Pairs. Physical Review Letters, 2019, 122, 030402.	7.8	54
7	Resolution of gauge ambiguities in ultrastrong-coupling cavity quantum electrodynamics. Nature Physics, 2019, 15, 803-808.	16.7	131
8	Emission of photon pairs by mechanical stimulation of the squeezed vacuum. Physical Review A, 2019, 100, .	2.5	48
9	Nonperturbative Dynamical Casimir Effect in Optomechanical Systems: Vacuum Casimir-Rabi Splittings. Physical Review X, 2018, 8, .	8.9	57
10	Dissipation and thermal noise in hybrid quantum systems in the ultrastrong-coupling regime. Physical Review A, 2018, 98, .	2.5	57
11	Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. Physical Review A, 2018, 98, .	2.5	39
12	Frequency conversion in ultrastrong cavity QED. Scientific Reports, 2017, 7, 5313.	3.3	57
13	Quantum nonlinear optics without photons. Physical Review A, 2017, 96, .	2.5	60
14	Deterministic quantum nonlinear optics with single atoms and virtual photons. Physical Review A, 2017, 95, .	2.5	113
15	Deterministic synthesis of mechanical NOON states in ultrastrong optomechanics. Physical Review A, 2016, 94, .	2.5	17
16	One Photon Can Simultaneously Excite Two or More Atoms. Physical Review Letters, 2016, 117, 043601.	7.8	123
17	Multiphoton quantum Rabi oscillations in ultrastrong cavity QED. Physical Review A, 2015, 92, .	2.5	118
18	Single-step arbitrary control of mechanical quantum states in ultrastrong optomechanics. Physical Review A, 2015, 91, .	2.5	15