

Vincenzo Macri

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

957
citations

566801

15
h-index

839053

18
g-index

18
all docs

18
docs citations

18
times ranked

647
citing authors

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