

# Vincenzo Macri

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5378550/publications.pdf>

Version: 2024-02-01

18  
papers

957  
citations

567281  
15  
h-index

839539  
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. Nature Physics, 2019, 15, 803-808.	16.7	131
2	One Photon Can Simultaneously Excite Two or More Atoms. Physical Review Letters, 2016, 117, 043601.	7.8	123
3	Multiphoton quantum Rabi oscillations in ultrastrong cavity QED. Physical Review A, 2015, 92, .	2.5	118
4	Deterministic quantum nonlinear optics with single atoms and virtual photons. Physical Review A, 2017, 95, .	2.5	113
5	Quantum nonlinear optics without photons. Physical Review A, 2017, 96, .	2.5	60
6	Frequency conversion in ultrastrong cavity QED. Scientific Reports, 2017, 7, 5313.	3.3	57
7	Nonperturbative Dynamical Casimir Effect in Optomechanical Systems: Vacuum Casimir-Rabi Splittings. Physical Review X, 2018, 8, .	8.9	57
8	Dissipation and thermal noise in hybrid quantum systems in the ultrastrong-coupling regime. Physical Review A, 2018, 98, .	2.5	57
9	Interaction of Mechanical Oscillators Mediated by the Exchange of Virtual Photon Pairs. Physical Review Letters, 2019, 122, 030402.	7.8	54
10	Emission of photon pairs by mechanical stimulation of the squeezed vacuum. Physical Review A, 2019, 100, .	2.5	48
11	Simple preparation of Bell and Greenberger-Horne-Zeilinger states using ultrastrong-coupling circuit QED. Physical Review A, 2018, 98, .	2.5	39
12	Conversion of mechanical noise into correlated photon pairs: Dynamical Casimir effect from an incoherent mechanical drive. Physical Review A, 2019, 100, .	2.5	24
13	Spin squeezing by one-photon two-atom excitation processes in atomic ensembles. Physical Review A, 2020, 101, .	2.5	20
14	Deterministic synthesis of mechanical NOON states in ultrastrong optomechanics. Physical Review A, 2016, 94, .	2.5	17
15	Single-step arbitrary control of mechanical quantum states in ultrastrong optomechanics. Physical Review A, 2015, 91, .	2.5	15
16	Regimes of cavity QED under incoherent excitation: From weak to deep strong coupling. Physical Review Research, 2022, 4, .	3.6	12
17	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
18	Revealing higher-order light and matter energy exchanges using quantum trajectories in ultrastrong coupling. Physical Review A, 2022, 105, .	2.5	5