

# Tomás Ramos

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8226126/publications.pdf>

Version: 2024-02-01

18  
papers

797  
citations

840585

11  
h-index

887953

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

727  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum optics of chiral spin networks. <i>Physical Review A</i> , 2015, 91, .	1.0	220
2	Quantum Spin Dimers from Chiral Dissipation in Cold-Atom Chains. <i>Physical Review Letters</i> , 2014, 113, 237203.	2.9	143
3	Nonlinear Quantum Optomechanics via Individual Intrinsic Two-Level Defects. <i>Physical Review Letters</i> , 2013, 110, 193602.	2.9	130
4	Non-Markovian dynamics in chiral quantum networks with spins and photons. <i>Physical Review A</i> , 2016, 93, .	1.0	91
5	Implementation of chiral quantum optics with Rydberg and trapped-ion setups. <i>Physical Review A</i> , 2016, 93, .	1.0	35
6	Fast High-Fidelity Quantum Nondemolition Qubit Readout via a Nonperturbative Cross-Kerr Coupling. <i>Physical Review X</i> , 2020, 10, .	2.8	31
7	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.	1.0	28
8	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.	2.9	27
9	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.	0.9	22
10	Topological input-output theory for directional amplification. <i>Physical Review A</i> , 2021, 103, .	1.0	16
11	Multiphoton Scattering Tomography with Coherent States. <i>Physical Review Letters</i> , 2017, 119, 153601.	2.9	13
12	Dynamics of Rydberg excitations and quantum correlations in an atomic array coupled to a photonic crystal waveguide. <i>Physical Review A</i> , 2020, 102, .	1.0	10
13	Correlated dephasing noise in single-photon scattering. <i>New Journal of Physics</i> , 2018, 20, 105007.	1.2	8
14	Quantum probe of an on-chip broadband interferometer for quantum microwave photonics. <i>Superconductor Science and Technology</i> , 2018, 31, 115002.	1.8	8
15	Relativistic Lagrangian model of a nematic liquid crystal interacting with an electromagnetic field. <i>Physical Review E</i> , 2012, 86, 031703.	0.8	7
16	Universal Deterministic Quantum Operations in Microwave Quantum Links. <i>Physical Review Applied</i> , 2022, 17, .	1.5	4
17	Complete Physical Characterization of Quantum Nondemolition Measurements via Tomography. <i>Physical Review Letters</i> , 2022, 129, .	2.9	3
18	Decimation technique for open quantum systems: A case study with driven-dissipative bosonic chains. <i>Physical Review A</i> , 2022, 105, .	1.0	1