

# Carlos SÃ¡nchez MuÃ±oz

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

1,082  
citations

394286

19  
h-index

526166

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1050  
citing authors

#	ARTICLE	IF	CITATIONS
1	Two-photon resonance fluorescence of two interacting nonidentical quantum emitters. <i>Physical Review Research</i> , 2021, 3, .	1.3	5
2	Quantum State Tomography with Conditional Generative Adversarial Networks. <i>Physical Review Letters</i> , 2021, 127, 140502.	2.9	58
3	Classification and reconstruction of optical quantum states with deep neural networks. <i>Physical Review Research</i> , 2021, 3, .	1.3	25
4	Quantum metrology of two-photon absorption. <i>Physical Review Research</i> , 2021, 3, .	1.3	13
5	Squeezed Lasing. <i>Physical Review Letters</i> , 2021, 127, 183603.	2.9	7
6	Simulating ultrastrong-coupling processes breaking parity conservation in Jaynes-Cummings systems. <i>Physical Review A</i> , 2020, 102, .	1.0	18
7	Photon Correlation Spectroscopy as a Witness for Quantum Coherence. <i>Physical Review Letters</i> , 2020, 124, 203601.	2.9	23
8	Quantum synchronisation enabled by dynamical symmetries and dissipation. <i>New Journal of Physics</i> , 2020, 22, 013026.	1.2	43
9	Symmetries and conservation laws in quantum trajectories: Dissipative freezing. <i>Physical Review A</i> , 2019, 100, .	1.0	35
10	Engineering and Harnessing Giant Atoms in High-Dimensional Baths: A Proposal for Implementation with Cold Atoms. <i>Physical Review Letters</i> , 2019, 122, 203603.	2.9	56
11	First observation of the quantized exciton-polariton field and effect of interactions on a single polariton. <i>Science Advances</i> , 2018, 4, eaao6814.	4.7	57
12	Topological order and thermal equilibrium in polariton condensates. <i>Nature Materials</i> , 2018, 17, 145-151.	13.3	79
13	Hybrid Systems for the Generation of Nonclassical Mechanical States via Quadratic Interactions. <i>Physical Review Letters</i> , 2018, 121, 123604.	2.9	50
14	Resolution of superluminal signalling in non-perturbative cavity quantum electrodynamics. <i>Nature Communications</i> , 2018, 9, 1924.	5.8	46
15	Filtering multiphoton emission from state-of-the-art cavity quantum electrodynamics. <i>Optica</i> , 2018, 5, 14.	4.8	46
16	Pulse, polarization and topology shaping of polariton fluids. , 2017, , .		0
17	Macroscopic Two-Dimensional Polariton Condensates. <i>Physical Review Letters</i> , 2017, 118, 215301.	2.9	43
18	The colored Hanbury Brown-Twiss effect. <i>Scientific Reports</i> , 2016, 6, 37980.	1.6	19

#	ARTICLE	IF	CITATIONS
19	Excitation with quantum light. II. Exciting a two-level system. Physical Review A, 2016, 94, .	1.0	29
20	Degenerate parametric oscillation in quantum membrane optomechanics. Physical Review A, 2016, 93, .	1.0	21
21	Deterministic Down-Converter and Continuous Photon-Pair Source within the Bad-Cavity Limit. Physical Review Letters, 2016, 117, 203602.	2.9	30
22	Coherent Generation of Nonclassical Light on Chip via Detuned Photon Blockade. Physical Review Letters, 2015, 114, 233601.	2.9	109
23	Exciting Polaritons with Quantum Light. Physical Review Letters, 2015, 115, 196402.	2.9	54
24	Enhanced two-photon emission from a dressed biexciton. New Journal of Physics, 2015, 17, 123021.	1.2	33
25	Violation of classical inequalities by photon frequency filtering. Physical Review A, 2014, 90, .	1.0	28
26	Emitters of N-photon bundles. Nature Photonics, 2014, 8, 550-555.	15.6	136
27	Bichromatic dressing of a quantum dot detected by a remote second quantum dot. Physical Review B, 2013, 88, .	1.1	6
28	Plasmon-polariton emission from a coherently excited quantum dot near a metal interface. Physical Review B, 2012, 85, .	1.1	13