

# Beatriz Olmos Sanchez

## List of Publications by Year in descending order

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35  
papers

1,068  
citations

394421

19  
h-index

395702

33  
g-index

36  
all docs

36  
docs citations

36  
times ranked

804  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamical phases and intermittency of the dissipative quantum Ising model. Physical Review A, 2012, 85, .	2.5	133
2	Long-Range Interacting Many-Body Systems with Alkaline-Earth-Metal Atoms. Physical Review Letters, 2013, 110, 143602.	7.8	95
3	Topological properties of a dense atomic lattice gas. Physical Review A, 2017, 96, .	2.5	81
4	Amplifying single impurities immersed in a gas of ultracold atoms. Physical Review A, 2011, 84, .	2.5	66
5	Fermionic Collective Excitations in a Lattice Gas of Rydberg Atoms. Physical Review Letters, 2009, 103, 185302.	7.8	53
6	Fisher information of D-dimensional hydrogenic systems in position and momentum spaces. Journal of Mathematical Physics, 2006, 47, 052104.	1.1	52
7	Facilitated Spin Models of Dissipative Quantum Glasses. Physical Review Letters, 2012, 109, 020403.	7.8	50
8	Subradiance-protected excitation transport. New Journal of Physics, 2019, 21, 073061.	2.9	49
9	Thermalization in a Coherently Driven Ensemble of Two-Level Systems. Physical Review Letters, 2010, 105, 100603.	7.8	36
10	Collectively Enhanced Chiral Photon Emission from an Atomic Array near a Nanofiber. Physical Review Letters, 2020, 124, 093601.	7.8	35
11	Non-equilibrium universality in the dynamics of dissipative cold atomic gases. New Journal of Physics, 2015, 17, 072003.	2.9	34
12	Information measures of hydrogenic systems, Laguerre polynomials and spherical harmonics. Journal of Computational and Applied Mathematics, 2005, 179, 185-194.	2.0	33
13	Collective Rydberg excitations of an atomic gas confined in a ring lattice. Physical Review A, 2009, 79, .	2.5	33
14	Dissipative Binding of Lattice Bosons through Distance-Selective Pair Loss. Physical Review Letters, 2012, 109, 233003.	7.8	33
15	Effective dynamics of strongly dissipative Rydberg gases. Journal of Physics A: Mathematical and Theoretical, 2014, 47, 482001.	2.1	32
16	Thermalization of a strongly interacting 1D Rydberg lattice gas. New Journal of Physics, 2010, 12, 013024.	2.9	29
17	Steady-state properties of a driven atomic ensemble with nonlocal dissipation. Physical Review A, 2014, 89, .	2.5	23
18	Collective photon emission from symmetric states created with Rydberg atoms on a ring lattice. Physical Review A, 2010, 82, .	2.5	22

#	ARTICLE	IF	CITATIONS
19	Substrate-induced shifts and screening in the fluorescence spectra of supramolecular adsorbed organic monolayers. <i>Journal of Chemical Physics</i> , 2018, 149, 054701.	3.0	22
20	Dynamical Phases and Quantum Correlations in an Emitter-Waveguide System with Feedback. <i>Physical Review Letters</i> , 2021, 127, 133601.	7.8	21
21	Out-of-equilibrium evolution of kinetically constrained many-body quantum systems under purely dissipative dynamics. <i>Physical Review E</i> , 2014, 90, 042147.	2.1	19
22	Creating collective many-body states with highly excited atoms. <i>Physical Review A</i> , 2010, 81, .	2.5	18
23	Far-field resonance fluorescence from a dipole-interacting laser-driven cold atomic gas. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 014004.	1.5	18
24	Modified dipole-dipole interaction and dissipation in an atomic ensemble near surfaces. <i>Physical Review A</i> , 2018, 97, .	2.5	16
25	Dynamical creation and detection of entangled many-body states in a chiral atom chain. <i>New Journal of Physics</i> , 2019, 21, 113021.	2.9	16
26	Universal time evolution of a Rydberg lattice gas with perfect blockade. <i>Journal of Physics A: Mathematical and Theoretical</i> , 2012, 45, 325301.	2.1	9
27	Interaction signatures and non-Gaussian photon states from a strongly driven atomic ensemble coupled to a nanophotonic waveguide. <i>Physical Review A</i> , 2020, 102, .	2.5	8
28	Creation of collective many-body states and single photons from two-dimensional Rydberg lattice gases. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2011, 44, 184017.	1.5	7
29	Radiation trapping in a dense cold Rydberg gas. <i>Physical Review A</i> , 2017, 95, .	2.5	7
30	Rydberg rings. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 4208.	2.8	5
31	Parameter-based Fisher's information of orthogonal polynomials. <i>Journal of Computational and Applied Mathematics</i> , 2008, 214, 136-147.	2.0	4
32	Control of atomic Rydberg states using guided electrons. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2013, 46, 245502.	1.5	3
33	Dressed dense atomic gases. <i>Physical Review A</i> , 2019, 100, .	2.5	3
34	Bragg condition for scattering into a guided optical mode. <i>Physical Review A</i> , 2021, 104, .	2.5	2
35	Measurement-feedback control of the chiral photon emission from an atom chain into a nanofiber. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2021, 38, 1470.	2.1	1