Jonathan Simon

List of Publications by Year
in descending order

31 papers	4,647 citations	331670 21 h-index	434195 31 g-index
32 all docs	32 docs citations	32 times ranked	4409 citing authors

#	Article	IF	Citations
1	Aberrated optical cavities. Physical Review A, 2021, 104, .	2.5	8
2	Observation of Laughlin states made of light. Nature, 2020, 582, 41-45.	27.8	79
3	A tunable high-Q millimeter wave cavity for hybrid circuit and cavity QED experiments. Applied Physics Letters, 2020, 116, .	3.3	14
4	Photonic materials in circuit quantum electrodynamics. Nature Physics, 2020, 16, 268-279.	16.7	115
5	Interacting Floquet polaritons. Nature, 2019, 571, 532-536.	27.8	38
6	Topological photonics. Reviews of Modern Physics, 2019, 91, .	45.6	2,190
7	A dissipatively stabilized Mott insulator of photons. Nature, 2019, 566, 51-57.	27.8	213
8	Probing the Berry curvature and Fermi arcs of a Weyl circuit. Physical Review B, 2019, 99, .	3.2	115
9	Electromagnetic and gravitational responses of photonic Landau levels. Nature, 2019, 565, 173-179.	27.8	36
10	Theory of interacting cavity Rydberg polaritons. Quantum Science and Technology, 2019, 4, 014005.	5.8	9
11	Quarter-flux Hofstadter lattice in a qubit-compatible microwave cavity array. Physical Review A, 2018, 97, .	2.5	51
12	Photons and polaritons in a broken-time-reversal nonplanar resonator. Physical Review A, 2018, 97, .	2.5	9
13	A strongly interacting polaritonic quantum dot. Nature Physics, 2018, 14, 550-554.	16.7	56
14	Adiabatic flux insertion and growing of Laughlin states of cavity Rydberg polaritons. Physical Review A, 2018, 98, .	2.5	8
15	Autonomous stabilizer for incompressible photon fluids and solids. Physical Review A, 2017, 95, .	2.5	30
16	Hamiltonian tomography of photonic lattices. Physical Review A, 2017, 95, .	2.5	19
17	Engineering Topological Many-Body Materials in Microwave Cavity Arrays. Physical Review X, 2016, 6, .	8.9	61
18	Observation and characterization of cavity Rydberg polaritons. Physical Review A, 2016, 93, .	2.5	51

#	Article	IF	Citations
19	Engineering photonic Floquet Hamiltonians through Fabryâ€“PÃ©rot resonators. New Journal of Physics, 2016, 18, 035008.	2.9	22
20	Synthetic Landau levels for photons. Nature, 2016, 534, 671-675.	27.8	152
21	Time- and Site-Resolved Dynamics in a Topological Circuit. Physical Review X, 2015, 5, .	8.9	199
22	Effective three-body interactions via photon-assisted tunneling in an optical lattice. Physical Review A, 2014, 89, .	2.5	51
23	Magnetic fields without magnetic fields. Nature, 2014, 515, 202-203.	27.8	2
24	Noise- and disorder-resilient optical lattices. Physical Review A, 2012, 86, .	2.5	14
25	A duo of graphene mimics. Nature, 2012, 483, 282-284.	27.8	10
26	Interaction between Atomic Ensembles and Optical Resonators. Advances in Atomic, Molecular and Optical Physics, 2011, 60, 201-237.	2.3	79
27	Quantum simulation of antiferromagnetic spin chains in an optical lattice. Nature, 2011, 472, 307-312.	27.8	730
28	Vacuum-induced transparency. , 2011, , .		0
29	Heralded Single-Magnon Quantum Memory for Photon Polarization States. Physical Review Letters, 2009, 103, 043601.	7.8	72
30	Interfacing Collective Atomic Excitations and Single Photons. Physical Review Letters, 2007, 98, 183601.	7.8	133
31	Single-photon bus connecting spin-wave quantum memories. Nature Physics, 2007, 3, 765-769.	16.7	80