Jonathan Simon

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1367213/publications.pdf Version: 2024-02-01

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

ΙΟΝΑΤΗΛΝ SIMON

#	Article	IF	CITATIONS
1	Topological photonics. Reviews of Modern Physics, 2019, 91, .	45.6	2,190
2	Quantum simulation of antiferromagnetic spin chains in an optical lattice. Nature, 2011, 472, 307-312.	27.8	730
3	A dissipatively stabilized Mott insulator of photons. Nature, 2019, 566, 51-57.	27.8	213
4	Time- and Site-Resolved Dynamics in a Topological Circuit. Physical Review X, 2015, 5, .	8.9	199
5	Synthetic Landau levels for photons. Nature, 2016, 534, 671-675.	27.8	152
6	Interfacing Collective Atomic Excitations and Single Photons. Physical Review Letters, 2007, 98, 183601.	7.8	133
7	Probing the Berry curvature and Fermi arcs of a Weyl circuit. Physical Review B, 2019, 99, .	3.2	115
8	Photonic materials in circuit quantum electrodynamics. Nature Physics, 2020, 16, 268-279.	16.7	115
9	Single-photon bus connecting spin-wave quantum memories. Nature Physics, 2007, 3, 765-769.	16.7	80
10	Interaction between Atomic Ensembles and Optical Resonators. Advances in Atomic, Molecular and Optical Physics, 2011, 60, 201-237.	2.3	79
11	Observation of Laughlin states made of light. Nature, 2020, 582, 41-45.	27.8	79
12	Heralded Single-Magnon Quantum Memory for Photon Polarization States. Physical Review Letters, 2009, 103, 043601.	7.8	72
13	Engineering Topological Many-Body Materials in Microwave Cavity Arrays. Physical Review X, 2016, 6, .	8.9	61
14	A strongly interacting polaritonic quantum dot. Nature Physics, 2018, 14, 550-554.	16.7	56
15	Effective three-body interactions via photon-assisted tunneling in an optical lattice. Physical Review A, 2014, 89, .	2.5	51
16	Observation and characterization of cavity Rydberg polaritons. Physical Review A, 2016, 93, .	2.5	51
17	Quarter-flux Hofstadter lattice in a qubit-compatible microwave cavity array. Physical Review A, 2018, 97, .	2.5	51
18	Interacting Floquet polaritons. Nature, 2019, 571, 532-536.	27.8	38

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#	Article	IF	CITATIONS
19	Electromagnetic and gravitational responses of photonic Landau levels. Nature, 2019, 565, 173-179.	27.8	36
20	Autonomous stabilizer for incompressible photon fluids and solids. Physical Review A, 2017, 95, .	2.5	30
21	Engineering photonic Floquet Hamiltonians through Fabry–Pérot resonators. New Journal of Physics, 2016, 18, 035008.	2.9	22
22	Hamiltonian tomography of photonic lattices. Physical Review A, 2017, 95, .	2.5	19
23	Noise- and disorder-resilient optical lattices. Physical Review A, 2012, 86, .	2.5	14
24	A tunable high-Q millimeter wave cavity for hybrid circuit and cavity QED experiments. Applied Physics Letters, 2020, 116, .	3.3	14
25	A duo of graphene mimics. Nature, 2012, 483, 282-284.	27.8	10
26	Photons and polaritons in a broken-time-reversal nonplanar resonator. Physical Review A, 2018, 97, .	2.5	9
27	Theory of interacting cavity Rydberg polaritons. Quantum Science and Technology, 2019, 4, 014005.	5.8	9
28	Adiabatic flux insertion and growing of Laughlin states of cavity Rydberg polaritons. Physical Review A, 2018, 98, .	2.5	8
29	Aberrated optical cavities. Physical Review A, 2021, 104, .	2.5	8
30	Magnetic fields without magnetic fields. Nature, 2014, 515, 202-203.	27.8	2
31	Vacuum-induced transparency. , 2011, , .		Ο