

Changsuk Noh

List of Publications by Year in descending order

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34
papers

1,004
citations

687363

13
h-index

434195

31
g-index

34
all docs

34
docs citations

34
times ranked

1363
citing authors

#	ARTICLE	IF	CITATIONS
1	Onset of a quantum phase transition with a trapped ion quantum simulator. Nature Communications, 2011, 2, 377.	12.8	318
2	Quantum simulations and many-body physics with light. Reports on Progress in Physics, 2017, 80, 016401.	20.1	233
3	Quantum simulation of the transverse Ising model with trapped ions. New Journal of Physics, 2011, 13, 105003.	2.9	92
4	Optical simulation of charge conservation violation and Majorana dynamics. Optica, 2015, 2, 454.	9.3	41
5	Robust-to-loss entanglement generation using a quantum plasmonic nanoparticle array. New Journal of Physics, 2013, 15, 083017.	2.9	34
6	Dirac equation in 2-dimensional curved spacetime, particle creation, and coupled waveguide arrays. Annals of Physics, 2016, 374, 162-178.	2.8	32
7	Relaxation oscillations and frequency entrainment in quantum mechanics. Physical Review E, 2020, 102, 042213.	2.1	26
8	Proposal for realization of the Majorana equation in a tabletop experiment. Physical Review A, 2013, 87, .	2.5	22
9	Few-photon transport in many-body photonic systems: A scattering approach. Physical Review A, 2015, 92, .	2.5	22
10	Probing the effect of interaction in Anderson localization using linear photonic lattices. Physical Review A, 2014, 89, .	2.5	17
11	Probing the topological properties of the Jackiw-Rebbi model with light. Scientific Reports, 2014, 4, 6110.	3.3	17
12	Diagrammatic approach to multiphoton scattering. Physical Review A, 2017, 95, .	2.5	17
13	Quantum simulation of neutrino oscillations with trapped ions. New Journal of Physics, 2012, 14, 033028.	2.9	16
14	Quantum Teleportation of the Temporal Fluctuations of Light. Physical Review Letters, 2009, 102, 230501.	7.8	12
15	Detecting the degree of macroscopic quantumness using an overlap measurement. Journal of the Optical Society of America B: Optical Physics, 2014, 31, 3057.	2.1	12
16	Superradiant decay and dipole-dipole interaction of distant atoms in a two-way cascaded cavity QED system. Physical Review A, 2015, 91, .	2.5	12
17	Photonic lattice simulation of dissipation-induced correlations in bosonic systems. Scientific Reports, 2015, 5, 8438.	3.3	12
18	Disentanglement of Source and Target and the Laser Quantum State. Physical Review Letters, 2008, 100, 120405.	7.8	8

#	ARTICLE	IF	CITATIONS
19	Quantum simulation of Cooper pairing with photons. <i>Physical Review A</i> , 2012, 86, .	2.5	8
20	Photonic realization of the deformed Dirac equation via the segmented graphene nanoribbons under inhomogeneous strain. <i>Journal of Modern Optics</i> , 2019, 66, 1663-1667.	1.3	8
21	Single-photon quantum nonlocality: Violation of the Clauser-Horne-Shimony-Holt inequality using feasible measurement setups. <i>Physical Review A</i> , 2017, 95, .	2.5	6
22	Emission of single photons in the weak coupling regime of the Jaynes Cummings model. <i>Scientific Reports</i> , 2020, 10, 16076.	3.3	6
23	Quantum illumination with definite photon-number entangled states. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2022, 39, 1316.	2.1	6
24	Realization of the driven nonlinear Schrödinger equation with stationary light. <i>Europhysics Letters</i> , 2013, 103, 34001.	2.0	5
25	Open system entanglement and the laser quantum state. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 399-406.	2.7	4
26	Identifying quantumness via addition-then-subtraction operation. <i>Physical Review A</i> , 2013, 88, .	2.5	4
27	Output field squeezing in a weakly-driven dissipative quantum Rabi model. <i>Optics Communications</i> , 2019, 435, 350-354.	2.1	4
28	Dirac equation on a square waveguide lattice with site-dependent coupling strengths and the gravitational Aharonov-Bohm effect. <i>Physical Review A</i> , 2020, 102, .	2.5	4
29	Effective formalism for open-quantum-system dynamics: Time-coarse-graining approach. <i>Physical Review A</i> , 2018, 97, .	2.5	3
30	SIMULATING TOPOLOGICAL EFFECTS WITH PHOTONS IN COUPLED QED CAVITY ARRAYS. <i>International Journal of Modern Physics B</i> , 2014, 28, 1441003.	2.0	2
31	Interference-Induced Photon Antibunching in a Cavity QED Setup with a Three-Level Atom. <i>Journal of the Korean Physical Society</i> , 2020, 77, 60-66.	0.7	1
32	Superradiant decay and dipole-dipole interaction of distant atoms in a two-way cascaded cavity QED system. , 2011, , .		0
33	Out-of-Equilibrium Physics in Driven Dissipative Photonic Resonator Arrays. <i>Quantum Science and Technology</i> , 2017, , 43-70.	2.6	0
34	Optical simulation of unphysical Majorana dynamics. , 2016, , .		0