

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	Quantum illumination with definite photon-number entangled states. Journal of the Optical Society of America B: Optical Physics, 2022, 39, 1316.	2.1	6
2	Relaxation oscillations and frequency entrainment in quantum mechanics. Physical Review E, 2020, 102, 042213.	2.1	26
3	Interference-Induced Photon Antibunching in a Cavity QED Setup with a Three-Level Atom. Journal of the Korean Physical Society, 2020, 77, 60-66.	0.7	1
4	Dirac equation on a square waveguide lattice with site-dependent coupling strengths and the gravitational Aharonov-Bohm effect. Physical Review A, 2020, 102, .	2.5	4
5	Emission of single photons in the weak coupling regime of the Jaynes Cummings model. Scientific Reports, 2020, 10, 16076.	3.3	6
6	Photonic realization of the deformed Dirac equation via the segmented graphene nanoribbons under inhomogeneous strain. Journal of Modern Optics, 2019, 66, 1663-1667.	1.3	8
7	Output field squeezing in a weakly-driven dissipative quantum Rabi model. Optics Communications, 2019, 435, 350-354.	2.1	4
8	Effective formalism for open-quantum-system dynamics: Time-coarse-graining approach. Physical Review A, 2018, 97, .	2.5	3
9	Out-of-Equilibrium Physics in Driven Dissipative Photonic Resonator Arrays. Quantum Science and Technology, 2017, , 43-70.	2.6	0
10	Diagrammatic approach to multiphoton scattering. Physical Review A, 2017, 95, .	2.5	17
11	Single-photon quantum nonlocality: Violation of the Clauser-Horne-Shimony-Holt inequality using feasible measurement setups. Physical Review A, 2017, 95, .	2.5	6
12	Quantum simulations and many-body physics with light. Reports on Progress in Physics, 2017, 80, 016401.	20.1	233
13	Dirac equation in 2-dimensional curved spacetime, particle creation, and coupled waveguide arrays. Annals of Physics, 2016, 374, 162-178.	2.8	32
14	Optical simulation of unphysical Majorana dynamics. , 2016, , .		0
15	Few-photon transport in many-body photonic systems: A scattering approach. Physical Review A, 2015, 92, .	2.5	22
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	Optical simulation of charge conservation violation and Majorana dynamics. Optica, 2015, 2, 454.	9.3	41

#	ARTICLE	IF	CITATIONS
19	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
20	SIMULATING TOPOLOGICAL EFFECTS WITH PHOTONS IN COUPLED QED CAVITY ARRAYS. International Journal of Modern Physics B, 2014, 28, 1441003.	2.0	2
21	Probing the effect of interaction in Anderson localization using linear photonic lattices. Physical Review A, 2014, 89, .	2.5	17
22	Probing the topological properties of the Jackiw-Rebbi model with light. Scientific Reports, 2014, 4, 6110.	3.3	17
23	Proposal for realization of the Majorana equation in a tabletop experiment. Physical Review A, 2013, 87, .	2.5	22
24	Robust-to-loss entanglement generation using a quantum plasmonic nanoparticle array. New Journal of Physics, 2013, 15, 083017.	2.9	34
25	Identifying quantumness via addition-then-subtraction operation. Physical Review A, 2013, 88, .	2.5	4
26	Realization of the driven nonlinear Schrödinger equation with stationary light. Europhysics Letters, 2013, 103, 34001.	2.0	5
27	Quantum simulation of neutrino oscillations with trapped ions. New Journal of Physics, 2012, 14, 033028.	2.9	16
28	Quantum simulation of Cooper pairing with photons. Physical Review A, 2012, 86, .	2.5	8
29	Quantum simulation of the transverse Ising model with trapped ions. New Journal of Physics, 2011, 13, 105003.	2.9	92
30	Superradiant decay and dipole-dipole interaction of distant atoms in a two-way cascaded cavity QED system. , 2011, , .		0
31	Onset of a quantum phase transition with a trapped ion quantum simulator. Nature Communications, 2011, 2, 377.	12.8	318
32	Open system entanglement and the laser quantum state. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 399-406.	2.7	4
33	Quantum Teleportation of the Temporal Fluctuations of Light. Physical Review Letters, 2009, 102, 230501.	7.8	12
34	Disentanglement of Source and Target and the Laser Quantum State. Physical Review Letters, 2008, 100, 120405.	7.8	8