Shuo Sun

List of Publications by Year in descending order

16 papers	429 citations	1163117 8 h-index	1474206 9 g-index
16 all docs	16 docs citations	16 times ranked	638 citing authors

#	ARTICLE	IF	CITATIONS
1	Tree-Type Photonic Cluster State Generation with a Single Quantum Emitter. , 2021, , .		0
2	Deterministic Generation of Loss-Tolerant Photonic Cluster States with a Single Quantum Emitter. Physical Review Letters, 2020, 125, 223601.	7.8	24
3	Nanophotonics for Quantum Information. , 2020, , .		0
4	Single-photon nonlinear optics with a semiconductor quantum dot. Semiconductors and Semimetals, 2020, 105, 387-416.	0.7	0
5	A Spinâ€"Photon Interface Using Charge-Tunable Quantum Dots Strongly Coupled to a Cavity. Nano Letters, 2019, 19, 7072-7077.	9.1	22
6	Frequency Tunable Single-Photon Emission From a Single Atomic Defect in a Solid. , 2019, , .		0
7	Scalable Quantum Photonics Using Quantum Dots. , 2018, , .		0
8	A single-photon switch and transistor enabled by a solid-state quantum memory. Science, 2018, 361, 57-60.	12.6	137
9	Cavity-Enhanced Optical Readout of a Single Solid-State Spin. Physical Review Applied, 2018, 9, .	3.8	13
10	Cavity-Enhanced Raman Emission from a Single Color Center in a Solid. Physical Review Letters, 2018, 121, 083601.	7.8	41
11	Nanophotonic Spin-photon Quantum Transistor. , 2017, , .		0
12	Interfacing Single Quantum Dot Spins with Photons Using a Nanophotonic Cavity. Nano-optics and Nanophotonics, 2017, , 359-378.	0.2	1
13	Strong photon-photon interactions mediated by a single quantum dot spin. , 2017, , .		0
14	Single-shot optical readout of a quantum bit using cavity quantum electrodynamics. Physical Review A, 2016, 94, .	2.5	22
15	A quantum phase switch between a single solid-state spin and a photon. Nature Nanotechnology, 2016, 11, 539-544.	31.5	129
16	Strain tuning of a quantum dot strongly coupled to a photonic crystal cavity. Applied Physics Letters, 2013, 103, .	3.3	40