

Shuo Sun

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9178320/publications.pdf>

Version: 2024-02-01

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