

Yu He

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6650910/publications.pdf>

Version: 2024-02-01

22
papers

3,469
citations

394421

19
h-index

642732

23
g-index

23
all docs

23
docs citations

23
times ranked

4457
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent control of a donor-molecule electron spin qubit in silicon. Nature Communications, 2021, 12, 3323.	12.8	27
2	Exploiting a Single-Crystal Environment to Minimize the Charge Noise on Qubits in Silicon. Advanced Materials, 2020, 32, e2003361.	21.0	41
3	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	7.8	57
4	A two-qubit gate between phosphorus donor electrons in silicon. Nature, 2019, 571, 371-375.	27.8	222
5	Benchmarking high fidelity single-shot readout of semiconductor qubits. New Journal of Physics, 2019, 21, 063011.	2.9	29
6	Observation of Topologically Protected Edge States in a Photonic Two-Dimensional Quantum Walk. Physical Review Letters, 2018, 121, 100502.	7.8	86
7	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	31.4	330
8	Tunneling Statistics for Analysis of Spin-Readout Fidelity. Physical Review Applied, 2017, 8, .	3.8	16
9	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2017, 119, 060501.	7.8	35
10	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. Physical Review Letters, 2017, 118, 190501.	7.8	123
11	Telecommunication Wavelength-Band Single-Photon Emission from Single Large InAs Quantum Dots Nucleated on Low-Density Seed Quantum Dots. Nanoscale Research Letters, 2016, 11, 382.	5.7	16
12	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. Physical Review Letters, 2016, 116, 020401.	7.8	675
13	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. Physical Review Letters, 2016, 116, 213601.	7.8	150
14	Dynamically Controlled Resonance Fluorescence Spectra from a Doubly Dressed Single InGaAs Quantum Dot. Physical Review Letters, 2015, 114, 097402.	7.8	47
15	Single quantum emitters in monolayer semiconductors. Nature Nanotechnology, 2015, 10, 497-502.	31.5	749
16	Temperature-Dependent Mollow Triplet Spectra from a Single Quantum Dot: Rabi Frequency Renormalization and Sideband Linewidth Insensitivity. Physical Review Letters, 2014, 113, 097401.	7.8	48
17	Deterministic and Robust Generation of Single Photons from a Single Quantum Dot with 99.5% Indistinguishability Using Adiabatic Rapid Passage. Nano Letters, 2014, 14, 6515-6519.	9.1	129
18	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. Physical Review Letters, 2014, 112, 060501.	7.8	1

#	ARTICLE	IF	CITATIONS
19	Indistinguishable Tunable Single Photons Emitted by Spin-Flip Raman Transitions in InGaAs Quantum Dots. <i>Physical Review Letters</i> , 2013, 111, 237403.	7.8	60
20	On-demand semiconductor single-photon source with near-unity indistinguishability. <i>Nature Nanotechnology</i> , 2013, 8, 213-217.	31.5	444
21	Single InAs Quantum Dot Grown at the Junction of Branched Gold-Free GaAs Nanowire. <i>Nano Letters</i> , 2013, 13, 1399-1404.	9.1	23
22	Preparation and storage of frequency-uncorrelated entangled photons from cavity-enhanced spontaneous parametric downconversion. <i>Nature Photonics</i> , 2011, 5, 628-632.	31.4	159