

Yu He

List of Publications by Year in descending order

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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	Single quantum emitters in monolayer semiconductors. <i>Nature Nanotechnology</i> , 2015, 10, 497-502.	31.5	749
2	On-Demand Single Photons with High Extraction Efficiency and Near-Unity Indistinguishability from a Resonantly Driven Quantum Dot in a Micropillar. <i>Physical Review Letters</i> , 2016, 116, 020401.	7.8	675
3	On-demand semiconductor single-photon source with near-unity indistinguishability. <i>Nature Nanotechnology</i> , 2013, 8, 213-217.	31.5	444
4	High-efficiency multiphoton boson sampling. <i>Nature Photonics</i> , 2017, 11, 361-365.	31.4	330
5	A two-qubit gate between phosphorus donor electrons in silicon. <i>Nature</i> , 2019, 571, 371-375.	27.8	222
6	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
7	Near-Transform-Limited Single Photons from an Efficient Solid-State Quantum Emitter. <i>Physical Review Letters</i> , 2016, 116, 213601.	7.8	150
8	Deterministic and Robust Generation of Single Photons from a Single Quantum Dot with 99.5% Indistinguishability Using Adiabatic Rapid Passage. <i>Nano Letters</i> , 2014, 14, 6515-6519.	9.1	129
9	Time-Bin-Encoded Boson Sampling with a Single-Photon Device. <i>Physical Review Letters</i> , 2017, 118, 190501.	7.8	123
10	Observation of Topologically Protected Edge States in a Photonic Two-Dimensional Quantum Walk. <i>Physical Review Letters</i> , 2018, 121, 100502.	7.8	86
11	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
12	Quantum Interference between Light Sources Separated by 150 Million Kilometers. <i>Physical Review Letters</i> , 2019, 123, 080401.	7.8	57
13	Temperature-Dependent Mollow Triplet Spectra from a Single Quantum Dot: Rabi Frequency Renormalization and Sideband Linewidth Insensitivity. <i>Physical Review Letters</i> , 2014, 113, 097401.	7.8	48
14	Dynamically Controlled Resonance Fluorescence Spectra from a Doubly Dressed Single InGaAs Quantum Dot. <i>Physical Review Letters</i> , 2015, 114, 097402.	7.8	47
15	Exploiting a Single-Crystal Environment to Minimize the Charge Noise on Qubits in Silicon. <i>Advanced Materials</i> , 2020, 32, e2003361.	21.0	41
16	Quantum State Transfer from a Single Photon to a Distant Quantum-Dot Electron Spin. <i>Physical Review Letters</i> , 2017, 119, 060501.	7.8	35
17	Benchmarking high fidelity single-shot readout of semiconductor qubits. <i>New Journal of Physics</i> , 2019, 21, 063011.	2.9	29
18	Coherent control of a donor-molecule electron spin qubit in silicon. <i>Nature Communications</i> , 2021, 12, 3323.	12.8	27

#	ARTICLE	IF	CITATIONS
19	Single InAs Quantum Dot Grown at the Junction of Branched Gold-Free GaAs Nanowire. Nano Letters, 2013, 13, 1399-1404.	9.1	23
20	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
21	Tunneling Statistics for Analysis of Spin-Readout Fidelity. Physical Review Applied, 2017, 8, .	3.8	16
22	Åÿ°ã°Žãšã-1/4ä1/2“ é†ôç,1çš,,ã•ã...%ããee°; äŽÿç†ã€ã®žçŽ°ã’CEã%ãã™™. Scientia Sinica Informationis, 2014, 44, 394-409.	0.9	1