Yu-Ming He

List of Publications by Year
in descending order

23 papers	3,164 citations	394421 19 h-index	713466 21 g-index
23 all docs	23 docs citations	23 times ranked	3791 citing authors

#	Article	IF	Citations
1	Quantum Interference between Light Sources Separated by 150 Million Kilometers. Physical Review Letters, 2019, 123, 080401.	7.8	57
2	Towards optimal single-photon sources from polarized microcavities. Nature Photonics, 2019, 13, 770-775.	31.4	290
3	Coherently driving a single quantum two-level system with dichromatic laser pulses. Nature Physics, 2019, 15, 941-946.	16.7	58
4	Boson Sampling with 20 Input Photons and a 60-Mode Interferometer in a<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mn>1</mml:mn><mml:msup><mml:mn>0</mml:mn><mml:mn>14</mml:mn></mml:msup></mml:math>-Dimer Hilbert Space. Physical Review Letters, 2019, 123, 250503.	7.8	313
5	12-Photon Entanglement and Scalable Scattershot Boson Sampling with Optimal Entangled-Photon Pairs from Parametric Down-Conversion. Physical Review Letters, 2018, 121, 250505.	7.8	249
6	Intrinsic and environmental effects on the interference properties of a high-performance quantum dot single-photon source. Physical Review B, 2018, 97, .	3.2	19
7	Resonance fluorescence from an atomic-quantum-memory compatible single photon source based on GaAs droplet quantum dots. Applied Physics Letters, 2018, 113, 021102.	3.3	2
8	High-efficiency multiphoton boson sampling. Nature Photonics, 2017, 11, 361-365.	31.4	330
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	Substrate engineering for high-quality emission of free and localized excitons from atomic monolayers in hybrid architectures. Optica, 2017, 4, 669.	9.3	26
11	Deterministic implementation of a bright, on-demand single-photon source with near-unity indistinguishability via quantum dot imaging. Optica, 2017, 4, 802.	9.3	63
12	Quantum dot-micropillars: A bright source of coherent single photons. , 2016, , .		0
13	Phonon induced line broadening and population of the dark exciton in a deeply trapped localized emitter in monolayer WSe_2. Optics Express, 2016, 24, 8066.	3.4	19
14	Highly indistinguishable on-demand resonance fluorescence photons from a deterministic quantum dot micropillar device with 74% extraction efficiency. Optics Express, 2016, 24, 8539.	3.4	143
15	Cascaded emission of single photons from the biexciton in monolayered WSe2. Nature Communications, 2016, 7, 13409.	12.8	86
16	Strategies for bright single photon sources in solid state: Coupled quantum dot cavities and monolayer-based systems. , 2016, , .		0
17	Observation of resonance fluorescence and the Mollow triplet from a coherently driven site-controlled quantum dot. Optica, 2015, 2, 1072.	9.3	22
18	Deterministic generation of bright single resonance fluorescence photons from a Purcell-enhanced quantum dot-micropillar system. Optics Express, 2015, 23, 32977.	3.4	22

#	Article	IF	Citations
19	Single quantum emitters in monolayer semiconductors. Nature Nanotechnology, 2015, 10, 497-502.	31.5	749
20	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
21	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
22	Indistinguishable Tunable Single Photons Emitted by Spin-Flip Raman Transitions in InGaAs Quantum Dots. Physical Review Letters, 2013, 111, 237403.	7.8	60
23	On-demand semiconductor single-photon source with near-unity indistinguishability. Nature Nanotechnology, 2013, 8, 213-217.	31.5	444