

Nicholas C Harris

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

3,771
citations

516561

16
h-index

940416

16
g-index

24
all docs

24
docs citations

24
times ranked

3575
citing authors

#	ARTICLE	IF	CITATIONS
1	Dual slot-mode NOEM phase shifter. Optics Express, 2021, 29, 19113.	1.7	22
2	Variational quantum unsampling on a quantum photonic processor. Nature Physics, 2020, 16, 322-327.	6.5	52
3	Accelerating artificial intelligence with silicon photonics. , 2020, , .		7
4	Scalable feedback control of single photon sources for photonic quantum technologies. Optica, 2019, 6, 335.	4.8	18
5	Programmable Nanophotonics for Computation. , 2018, , .		3
6	Linear programmable nanophotonic processors. Optica, 2018, 5, 1623.	4.8	240
7	Quantum transport simulations in a programmable nanophotonic processor. Nature Photonics, 2017, 11, 447-452.	15.6	359
8	Deep learning with coherent nanophotonic circuits. Nature Photonics, 2017, 11, 441-446.	15.6	1,845
9	Deep learning with coherent nanophotonic circuits. , 2017, , .		17
10	Deep learning with coherent nanophotonic circuits. , 2017, , .		2
11	Programmable dispersion on a photonic integrated circuit for classical and quantum applications. Optics Express, 2017, 25, 21275.	1.7	23
12	Programmable Nanophotonics for Quantum Simulation and Machine Learning. , 2017, , .		1
13	Energy correlations of photon pairs generated by a silicon microring resonator probed by Stimulated Four Wave Mixing. Scientific Reports, 2016, 6, 23564.	1.6	37
14	Large-scale quantum photonic circuits in silicon. Nanophotonics, 2016, 5, 456-468.	2.9	109
15	Tunable-Coupling Resonator Arrays for Chip-Based Quantum Enigma Machines. , 2016, , .		0
16	Programmable Nanophotonic Processor for Arbitrary High Fidelity Optical Transformations. , 2015, , .		0
17	High-fidelity quantum state evolution in imperfect photonic integrated circuits. Physical Review A, 2015, 92, .	1.0	67
18	On-chip detection of non-classical light by scalable integration of single-photon detectors. Nature Communications, 2015, 6, 5873.	5.8	238

#	ARTICLE	IF	CITATIONS
19	Nanofabrication on unconventional substrates using transferred hard masks. Scientific Reports, 2015, 5, 7802.	1.6	50
20	Efficient, compact and low loss thermo-optic phase shifter in silicon. Optics Express, 2014, 22, 10487.	1.7	272
21	Integrated Source of Spectrally Filtered Correlated Photons for Large-Scale Quantum Photonic Systems. Physical Review X, 2014, 4, .	2.8	100
22	Silicon Photonics: The Next Fabless Semiconductor Industry. IEEE Solid-State Circuits Magazine, 2013, 5, 48-58.	0.5	105
23	Ultralow drive voltage silicon traveling-wave modulator. Optics Express, 2012, 20, 12014.	1.7	204
24	Single-chip photonic integration with CMOS for aerospace. , 2012, , .		0