

Damien Bonneau

List of Publications by Year in descending order

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29
papers

1,793
citations

623734

14
h-index

888059

17
g-index

29
all docs

29
docs citations

29
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimating the Indistinguishability of Heralded Single Photons Using Second-Order Correlation. Physical Review Applied, 2019, 12, .	3.8	12
2	Observation of nonlinear interference on a silicon photonic chip. Optics Letters, 2019, 44, 1277.	3.3	20
3	Multidimensional quantum entanglement with large-scale integrated optics. Science, 2018, 360, 285-291.	12.6	554
4	Witnessing eigenstates for quantum simulation of Hamiltonian spectra. Science Advances, 2018, 4, eaap9646.	10.3	142
5	A homodyne detector integrated onto a photonic chip for measuring quantum states and generating random numbers. Quantum Science and Technology, 2018, 3, 025003.	5.8	85
6	An On-Chip Homodyne Detector for Measuring Quantum States. , 2018, , .		0
7	An on-chip homodyne detector for generating random numbers. , 2017, , .		0
8	High-extinction ratio integrated photonic filters for silicon quantum photonics. Optics Letters, 2017, 42, 815.	3.3	72
9	Heralded Quantum Interference of On-chip Micro-ring Resonator Sources in Si-photonics. , 2017, , .		1
10	Active temporal and spatial multiplexing of photons. Optica, 2016, 3, 127.	9.3	76
11	Photon pair generation in hydrogenated amorphous silicon microring resonators. Scientific Reports, 2016, 6, 38908.	3.3	12
12	Modelling superconducting nanowire single photon detectors in a waveguide cavity. Optics Express, 2016, 24, 8797.	3.4	16
13	Modelling superconducting nanowire single photon detectors in a waveguide-based ring resonator. , 2016, , .		0
14	Silicon quantum photonics. , 2016, , .		2
15	Silicon Quantum Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 390-402.	2.9	219
16	Chip-to-chip quantum photonic interconnect by path-polarization interconversion. Optica, 2016, 3, 407.	9.3	108
17	Silicon Quantum Photonics. Topics in Applied Physics, 2016, , 41-82.	0.8	13
18	Passive High-Extinction Integrated Photonic Filters for Silicon Quantum Photonics. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
19	Chip-to-chip quantum entanglement distribution. , 2015, , .		1
20	Effect of loss on multiplexed single-photon sources. New Journal of Physics, 2015, 17, 043057.	2.9	61
21	Photonic qubit entanglement and processing in silicon waveguides. , 2015, , .		3
22	Quantum key distribution with integrated optics. , 2014, , .		2
23	Gallium arsenide (GaAs) quantum photonic waveguide circuits. Optics Communications, 2014, 327, 49-55.	2.1	98
24	Photon pair generation in a silicon micro-ring resonator with reverse bias enhancement. Optics Express, 2013, 21, 27826.	3.4	137
25	Monolithic generation and manipulation of nondegenerate photon pairs within a silicon-on-insulator quantum photonic circuit. , 2013, , .		0
26	Fast Path and Polarization Manipulation of Telecom Wavelength Single Photons in Lithium Niobate Waveguide Devices. Physical Review Letters, 2012, 108, 053601.	7.8	87
27	Quantum interference in silicon waveguide circuits. , 2011, , .		2
28	Integrated optics components for quantum information. , 2011, , .		0
29	Heralding Two-Photon and Four-Photon Path Entanglement on a Chip. Physical Review Letters, 2011, 107, 163602.	7.8	69