

# Damien Bonneau

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5569725/publications.pdf>

Version: 2024-02-01

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	Multidimensional quantum entanglement with large-scale integrated optics. <i>Science</i> , 2018, 360, 285-291.	12.6	554
2	Silicon Quantum Photonics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016, 22, 390-402.	2.9	219
3	Witnessing eigenstates for quantum simulation of Hamiltonian spectra. <i>Science Advances</i> , 2018, 4, eaap9646.	10.3	142
4	Photon pair generation in a silicon micro-ring resonator with reverse bias enhancement. <i>Optics Express</i> , 2013, 21, 27826.	3.4	137
5	Chip-to-chip quantum photonic interconnect by path-polarization interconversion. <i>Optica</i> , 2016, 3, 407.	9.3	108
6	Gallium arsenide (GaAs) quantum photonic waveguide circuits. <i>Optics Communications</i> , 2014, 327, 49-55.	2.1	98
7	Fast Path and Polarization Manipulation of Telecom Wavelength Single Photons in Lithium Niobate Waveguide Devices. <i>Physical Review Letters</i> , 2012, 108, 053601.	7.8	87
8	A homodyne detector integrated onto a photonic chip for measuring quantum states and generating random numbers. <i>Quantum Science and Technology</i> , 2018, 3, 025003.	5.8	85
9	Active temporal and spatial multiplexing of photons. <i>Optica</i> , 2016, 3, 127.	9.3	76
10	High-extinction ratio integrated photonic filters for silicon quantum photonics. <i>Optics Letters</i> , 2017, 42, 815.	3.3	72
11	Heralding Two-Photon and Four-Photon Path Entanglement on a Chip. <i>Physical Review Letters</i> , 2011, 107, 163602.	7.8	69
12	Effect of loss on multiplexed single-photon sources. <i>New Journal of Physics</i> , 2015, 17, 043057.	2.9	61
13	Observation of nonlinear interference on a silicon photonic chip. <i>Optics Letters</i> , 2019, 44, 1277.	3.3	20
14	Modelling superconducting nanowire single photon detectors in a waveguide cavity. <i>Optics Express</i> , 2016, 24, 8797.	3.4	16
15	Silicon Quantum Photonics. <i>Topics in Applied Physics</i> , 2016, , 41-82.	0.8	13
16	Photon pair generation in hydrogenated amorphous silicon microring resonators. <i>Scientific Reports</i> , 2016, 6, 38908.	3.3	12
17	Estimating the Indistinguishability of Heralded Single Photons Using Second-Order Correlation. <i>Physical Review Applied</i> , 2019, 12, .	3.8	12
18	Photonic qubit entanglement and processing in silicon waveguides. , 2015, , .		3

#	ARTICLE	IF	CITATIONS
19	Quantum interference in silicon waveguide circuits. , 2011, , .		2
20	Quantum key distribution with integrated optics. , 2014, , .		2
21	Silicon quantum photonics. , 2016, , .		2
22	Chip-to-chip quantum entanglement distribution. , 2015, , .		1
23	Heralded Quantum Interference of On-chip Micro-ring Resonator Sources in Si-photonics. , 2017, , .		1
24	Passive High-Extinction Integrated Photonic Filters for Silicon Quantum Photonics. , 2016, , .		1
25	Integrated optics components for quantum information. , 2011, , .		0
26	Monolithic generation and manipulation of nondegenerate photon pairs within a silicon-on-insulator quantum photonic circuit. , 2013, , .		0
27	Modelling superconducting nanowire single photon detectors in a waveguide-based ring resonator. , 2016, , .		0
28	An on-chip homodyne detector for generating random numbers. , 2017, , .		0
29	An On-Chip Homodyne Detector for Measuring Quantum States. , 2018, , .		0