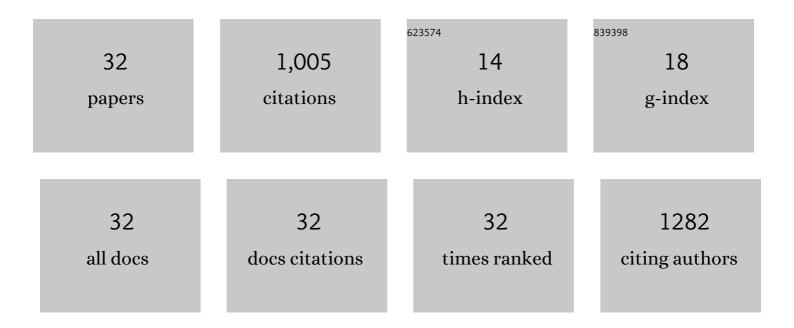
## DondÜ Sahin

List of Publications by Year in descending order

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DONDÃO SAHIN

#	Article	IF	CITATIONS
1	Waveguide superconducting single-photon detectors for integrated quantum photonic circuits. Applied Physics Letters, 2011, 99, .	1.5	251
2	Waveguide Nanowire Superconducting Single-Photon Detectors Fabricated on GaAs and the Study of Their Optical Properties. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-10.	1.9	188
3	Experimental Test of Theories of the Detection Mechanism in a Nanowire Superconducting Single Photon Detector. Physical Review Letters, 2014, 112, 117604.	2.9	106
4	Photon-number resolving detector based on a series array of superconducting nanowires. Applied Physics Letters, 2012, 101, 072602.	1.5	70
5	Nanowire superconducting single-photon detectors on GaAs for integrated quantum photonic applications. Applied Physics Letters, 2010, 97, .	1.5	67
6	Waveguide photon-number-resolving detectors for quantum photonic integrated circuits. Applied Physics Letters, 2013, 103, .	1.5	66
7	Position-Dependent Local Detection Efficiency in a Nanowire Superconducting Single-Photon Detector. Nano Letters, 2015, 15, 4541-4545.	4.5	48
8	Photon-number-resolving superconducting nanowire detectors. Superconductor Science and Technology, 2015, 28, 104001.	1.8	39
9	Superconducting series nanowire detector counting up to twelve photons. Optics Express, 2014, 22, 3475.	1.7	36
10	Inhomogeneous critical current in nanowire superconducting single-photon detectors. Applied Physics Letters, 2014, 105, 222602.	1.5	28
11	Low-loss, low-crosstalk waveguide crossing for scalable integrated silicon photonics applications. Optics Express, 2020, 28, 12498.	1.7	24
12	Integrated autocorrelator based on superconducting nanowires. Optics Express, 2013, 21, 11162.	1.7	21
13	Modelling superconducting nanowire single photon detectors in a waveguide cavity. Optics Express, 2016, 24, 8797.	1.7	16
14	The effect of magnetic field on the intrinsic detection efficiency of superconducting single-photon detectors. Applied Physics Letters, 2015, 106, .	1.5	14
15	Temperature Dependence of the Kerr Nonlinearity and Two-Photon Absorption in a Silicon Waveguide at 1.55 <mml:math <br="" display="inline" xmlns:mml="http://www.w3.org/1998/Math/MathML">overflow="scroll"&gt;<mml:mi>î¼</mml:mi><mml:mrow><mml:mrow><mml:mi mathvariant="normal"&gt;m</mml:mi </mml:mrow></mml:mrow></mml:math> . Physical Review Applied,	1.5	14
16	2019, 11, . Evolution of SiO2/Ge/HfO2(Ge) multilayer structure during high temperature annealing. Thin Solid Films, 2010, 518, 2365-2369.	0.8	9
17	Superconducting nanowires connected in series for photon number resolving functionality. Journal of Physics: Conference Series, 2014, 507, 042024.	0.3	4
18	Nanowire superconducting single-photon detectors integrated with optical microcavities based on		1

GaAs substrates. , 2011, , .

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#	Article	IF	CITATIONS
19	Quantum integrated photonics on GaAs. , 2012, , .		1
20	Waveguide Superconducting Single- and Few-Photon Detectors on GaAs for Integrated Quantum Photonics. Quantum Science and Technology, 2016, , 61-83.	1.5	1
21	Modelling Waveguide-Integrated Superconducting Nanowire Single Photon Detectors at Short-Wave Infrared. , 2018, , .		1
22	Development of superconducting single-photon detectors for integrated quantum photonics applications. , 2011, , .		0
23	Detecting Single Photons Using Superconducting Nanowires. , 2012, , .		0
24	Experimental demonstration of a novel superconducting photon-number resolving detector at telecom wavelengths. Proceedings of SPIE, 2012, , .	0.8	0
25	Superconducting nanowire single-photon detectors integrated with waveguide circuits for quantum information science. Proceedings of SPIE, 2013, , .	0.8	0
26	Quantum integrated photonics on GaAs. , 2013, , .		0
27	Single-photon and photon-number-resolving detectors integrated with waveguide circuits. , 2013, , .		0
28	A scalable photon number resolving detector. , 2014, , .		0
29	Photon-number-resolving detectors integrated in GaAs waveguide. , 2014, , .		0
30	Modelling superconducting nanowire single photon detectors in a waveguide-based ring resonator. , 2016, , .		0
31	Modelling superconducting nanowire single photon detectors in a waveguide-based resonator. , 2016, , .		0
32	Modelling efficient Superconducting nanowire single photon detectors for Mid wave infrared photons. , 2020, , .		0