

# Francesco Martini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1703896/publications.pdf>

Version: 2024-02-01

26  
papers

268  
citations

1163117

8  
h-index

888059

17  
g-index

26  
all docs

26  
docs citations

26  
times ranked

420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Large Area SNSPD for Lidar Measurements in the Infrared. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	5
2	Near-field nano-spectroscopy of strong mode coupling in phonon-polaritonic crystals. Applied Physics Reviews, 2022, 9, .	11.3	4
3	Activation Energies in $\langle \text{MoSi} \rangle$ Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2022, 18, .	3.8	8
4	Shot-Noise Limited Hot Electron Bolometer Integrated on Silicon-On-Insulator Photonics. , 2021, , .		0
5	Waveguide integrated hot electron bolometer for classical and quantum photonics. Optics Express, 2021, 29, 7956.	3.4	7
6	Amplitude multiplexing readout for an array of integrated SNSPDs. , 2021, , .		0
7	Demonstration of Single Photon Detection in Amorphous Molybdenum Silicide / Aluminium Superconducting Nanostrip. IEEE Instrumentation and Measurement Magazine, 2021, 24, 69-74.	1.6	8
8	Waveguide-integrated niobium- nitride detectors for on-chip quantum nanophotonics. Nanotechnology, 2021, 32, 104001.	2.6	1
9	Superconducting Molybdenum Silicide nanostrips for single photon detectors. , 2021, , .		1
10	Electro-optical Characterization of Superconducting Nanowire Single-Photon Detectors Fabricated on 3C Silicon Carbide. Journal of Low Temperature Physics, 2020, 199, 563-568.	1.4	3
11	A THz Spectrometer Using Band Pass Filters. Instruments, 2020, 4, 24.	1.8	1
12	Near-Field Spectroscopy of Cylindrical Phonon-Polariton Antennas. ACS Nano, 2020, 14, 8508-8517.	14.6	11
13	Amplitude Multiplexing Readout for Integrated SNSPD. , 2020, , .		0
14	Development of Superconducting Nanowire Single Photon Detectors on Silicon-Carbide Photonics for Quantum Technologies. , 2020, , .		0
15	High-Q/V Photonic Crystal Cavities and QED Analysis in 3C-SiC. ACS Photonics, 2019, 6, 1826-1831.	6.6	13
16	Amplitude Multiplexing Readout of an Integrated Autocorrelator. , 2019, , .		0
17	Amplitude-multiplexed readout of single photon detectors based on superconducting nanowires. Optica, 2019, 6, 823.	9.3	40
18	Single photon detection with superconducting nanowires on crystalline silicon carbide. Optics Express, 2019, 27, 29669.	3.4	17

#	ARTICLE	IF	CITATIONS
19	Second harmonic generation from strongly coupled localized and propagating phonon-polariton modes. <i>Physical Review B</i> , 2018, 98, .	3.2	20
20	Four wave mixing in 3C SiC ring resonators. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	33
21	Complementary metal-oxide semiconductor compatible source of single photons at near-visible wavelengths: publisher's note. <i>Optics Letters</i> , 2018, 43, 1230.	3.3	0
22	Complementary metal-oxide semiconductor compatible source of single photons at near-visible wavelengths. <i>Optics Letters</i> , 2018, 43, 855.	3.3	8
23	Linear integrated optics in 3C silicon carbide. <i>Optics Express</i> , 2017, 25, 10735.	3.4	26
24	Single photon generation at 785nm in CMOS compatible photonic devices. , 2017, , .		0
25	Strong and Coherent Coupling between Localized and Propagating Phonon Polaritons. <i>Physical Review Letters</i> , 2016, 116, 246402.	7.8	62
26	3C Silicon Carbide Nanophotonics. , 2016, , .		0