

Francesco Martini

List of Publications by Year in descending order

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26
all docs

26
docs citations

26
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong and Coherent Coupling between Localized and Propagating Phonon Polaritons. Physical Review Letters, 2016, 116, 246402.	7.8	62
2	Amplitude-multiplexed readout of single photon detectors based on superconducting nanowires. Optica, 2019, 6, 823.	9.3	40
3	Four wave mixing in 3C SiC ring resonators. Applied Physics Letters, 2018, 112, .	3.3	33
4	Linear integrated optics in 3C silicon carbide. Optics Express, 2017, 25, 10735.	3.4	26
5	Second harmonic generation from strongly coupled localized and propagating phonon-polariton modes. Physical Review B, 2018, 98, .	3.2	20
6	Single photon detection with superconducting nanowires on crystalline silicon carbide. Optics Express, 2019, 27, 29669.	3.4	17
7	High-Q/V Photonic Crystal Cavities and QED Analysis in 3C-SiC. ACS Photonics, 2019, 6, 1826-1831.	6.6	13
8	Near-Field Spectroscopy of Cylindrical Phonon-Polariton Antennas. ACS Nano, 2020, 14, 8508-8517.	14.6	11
9	Complementary metal-oxide semiconductor compatible source of single photons at near-visible wavelengths. Optics Letters, 2018, 43, 855.	3.3	8
10	Demonstration of Single Photon Detection in Amorphous Molybdenum Silicide / Aluminium Superconducting Nanostrip. IEEE Instrumentation and Measurement Magazine, 2021, 24, 69-74.	1.6	8
11	Activation Energies in $\text{Mo}_{\text{x}}\text{Si}_{\text{y}}$ Superconducting Nanowire Single-Photon Detectors. Physical Review Applied, 2022, 18, .	3.8	1
12	Waveguide integrated hot electron bolometer for classical and quantum photonics. Optics Express, 2021, 29, 7956.	3.4	7
13	Large Area SNSPD for Lidar Measurements in the Infrared. IEEE Transactions on Applied Superconductivity, 2022, 32, 1-4.	1.7	5
14	Near-field nano-spectroscopy of strong mode coupling in phonon-polaritonic crystals. Applied Physics Reviews, 2022, 9, .	11.3	4
15	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
16	A THz Spectrometer Using Band Pass Filters. Instruments, 2020, 4, 24.	1.8	1
17	Waveguide-integrated niobium-nitride detectors for on-chip quantum nanophotonics. Nanotechnology, 2021, 32, 104001.	2.6	1
18	Superconducting Molybdenum Silicide nanostrips for single photon detectors. , 2021, .	1	

#	ARTICLE	IF	CITATIONS
19	Complementary metal-oxide semiconductor compatible source of single photons at near-visible wavelengths: publisherâ€™s note. Optics Letters, 2018, 43, 1230.	3.3	0
20	Amplitude Multiplexing Readout of an Integrated Autocorrelator. , 2019, , .		0
21	Shot-Noise Limited Hot Electron Bolometer Integrated on Silicon-On-Insulator Photonics. , 2021, , .		0
22	Amplitude multiplexing readout for an array of integrated SNSPDs. , 2021, , .		0
23	3C Silicon Carbide Nanophotonics. , 2016, , .		0
24	Single photon generation at 785nm in CMOS compatible photonic devices. , 2017, , .		0
25	Amplitude Multiplexing Readout for Integrated SNSPD. , 2020, , .		0
26	Development of Superconducting Nanowire Single Photon Detectors on Silicon-Carbide Photonics for Quantum Technologies. , 2020, , .		0