Xiaoqing Jia

List of Publications by Year in descending order

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32	295	1040056	888059
papers	citations	9 h-index	17 g-index

32	32	32	305
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Probabilistic Energy-to-Amplitude Mapping in a Tapered Superconducting Nanowire Single-Photon Detector. Nano Letters, 2022, 22, 1587-1594.	9.1	5
2	Simultaneous resolution of photon numbers and positions with series-connected superconducting nanowires. Applied Physics Letters, 2022, 120, 124001.	3.3	4
3	NbN films on flexible and thickness controllable dielectric substrates. Scientific Reports, 2022, 12, .	3.3	2
4	64-Pixel Mo₈₀Si₂₀ superconducting nanowire single-photon imager with a saturated internal quantum efficiency at 1.5 Âµm. Optics Letters, 2022, 47, 3523.	3.3	1
5	Saturation efficiency for detecting 1550â€‰â€‰nm photons with a 2â€‰Ã—â€‰2 array of Mo_{0.8}Si_{0.2} nanowires at 2.2â€‰â€‰K. Photonics Research, 2021, 9, 389.	7.0	9
6	An Nb5N6 microbolometer THz camera. , 2021, , .		0
7	Single-Detector Spectrometer Using a Superconducting Nanowire. Nano Letters, 2021, 21, 9625-9632.	9.1	33
8	High-Sensitivity RF Choke-Enhanced Dipole Antenna-Coupled Nb5N6 THz Detector. Frontiers in Physics, 2021, 9, .	2.1	1
9	Wideband cryogenic amplifier for a superconducting nanowire single-photon detector. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1666-1676.	2.6	0
10	Characterize the Speed of a Photon-Number-Resolving Superconducting Nanowire Detector. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	7
11	Approaching linear photon-number resolution with superconductor nanowire array. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	5
12	Influence of periodic structure and pixel area on the performance of antennaâ€coupled Nb 5 N 6 array detector. Microwave and Optical Technology Letters, 2020, 62, 2747-2753.	1.4	1
13	Design of double-slot antennas for terahertz array detectors in flip chip packaging. Optics Express, 2020, 28, 8783.	3.4	5
14	Planar double-slot antenna integrated into a Nb₅N₆ microbolometer THz detector. Optics Letters, 2020, 45, 2894.	3.3	6
15	Flip-chip Interconnection between Nb5N6 Terahertz Array Detectors and Readout Circuits. , 2020, , .		0
16	Planar Slot Antennas Designed for THz Detectors Array in Flip Chip Packaging. , 2020, , .		0
17	A cavity-coupled microbolometer terahertz detector with a metamaterial reflector. , 2019, , .		0
18	Fabryâ€“PÃ©rot cavity-coupled microbolometer terahertz detector with a continuously tunable air spacer gap. Optics Letters, 2019, 44, 1019.	3.3	8

#	Article	IF	Citations
19	Low-Noise Readout Integrated Circuit for Terahertz Array Detector. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 350-356.	3.1	8
20	Reflective grating-coupled structure improves the detection efficiency of THz array detectors. Scientific Reports, 2018, 8, 8032.	3.3	8
21	Demonstration of a superconducting nanowire single photon detector with an ultrahigh polarization extinction ratio over 400. Optics Express, 2018, 26, 3947.	3.4	6
22	Investigation of antenna-coupled Nb₅N₆ microbolometer THz detector with substrate resonant cavity. Optics Express, 2018, 26, 8990.	3.4	17
23	Nb₅N₆ microbolometer for sensitive, fast-response, 2-Âµm detection. Optics Express, 2018, 26, 15585.	3.4	7
24	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	3.3	36
25	A sensitive coupling structure for terahertz detectors array. Proceedings of SPIE, 2017, , .	0.8	1
26	A low noise readout integrated circuit for Nb₅N₆ microbolometer array detector. Proceedings of SPIE, 2017, , .	0.8	0
27	Ratchet effects in superconducting ring-shaped devices. Superconductor Science and Technology, 2017, 30, 105003.	3.5	5
28	Demonstration of Polarization-Insensitive Superconducting Nanowire Single-Photon Detector With Si Compensation Layer. Journal of Lightwave Technology, 2017, 35, 4707-4713.	4.6	13
29	Vortex ratchet effects in a superconducting asymmetric ring-shaped device. Applied Physics Letters, 2016, 109, .	3.3	18
30	Diffractive microlens integrated into Nb_5N_6 microbolometers for THz detection. Optics Express, 2015, 23, 13794.	3.4	26
31	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	2.2	36
32	Nonlinear response of superconducting NbN thin film and NbN metamaterial induced by intense terahertz pulses. New Journal of Physics, 2013, 15, 055017.	2.9	27