

Xiaoqing Jia

List of Publications by Year in descending order

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papers

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32
all docs

32
docs citations

32
times ranked

305
citing authors

#	ARTICLE	IF	CITATIONS
1	A flexible wideband bandpass terahertz filter using multi-layer metamaterials. Applied Physics B: Lasers and Optics, 2013, 113, 285-290.	2.2	36
2	Tunable electromagnetically induced transparency from a superconducting terahertz metamaterial. Applied Physics Letters, 2017, 110, .	3.3	36
3	Single-Detector Spectrometer Using a Superconducting Nanowire. Nano Letters, 2021, 21, 9625-9632.	9.1	33
4	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
5	Diffractive microlens integrated into Nb ₅ N ₆ microbolometers for THz detection. Optics Express, 2015, 23, 13794.	3.4	26
6	Vortex ratchet effects in a superconducting asymmetric ring-shaped device. Applied Physics Letters, 2016, 109, .	3.3	18
7	Investigation of antenna-coupled Nb ₅ N ₆ microbolometer THz detector with substrate resonant cavity. Optics Express, 2018, 26, 8990.	3.4	17
8	Demonstration of Polarization-Insensitive Superconducting Nanowire Single-Photon Detector With Si Compensation Layer. Journal of Lightwave Technology, 2017, 35, 4707-4713.	4.6	13
9	Saturation efficiency for detecting 1550-nm photons with a 2 \times 2 array of Mo _{0.8} Si _{0.2} nanowires at 2.2 \times 10 ⁴ K. Photonics Research, 2021, 9, 389.	7.0	9
10	Low-Noise Readout Integrated Circuit for Terahertz Array Detector. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 350-356.	3.1	8
11	Reflective grating-coupled structure improves the detection efficiency of THz array detectors. Scientific Reports, 2018, 8, 8032.	3.3	8
12	Fabry-Pérot cavity-coupled microbolometer terahertz detector with a continuously tunable air spacer gap. Optics Letters, 2019, 44, 1019.	3.3	8
13	Nb ₅ N ₆ microbolometer for sensitive, fast-response, 2- μ m detection. Optics Express, 2018, 26, 15585.	3.4	7
14	Characterize the Speed of a Photon-Number-Resolving Superconducting Nanowire Detector. IEEE Photonics Journal, 2020, 12, 1-8.	2.0	7
15	Demonstration of a superconducting nanowire single photon detector with an ultrahigh polarization extinction ratio over 400. Optics Express, 2018, 26, 3947.	3.4	6
16	Planar double-slot antenna integrated into a Nb ₅ N ₆ microbolometer THz detector. Optics Letters, 2020, 45, 2894.	3.3	6
17	Ratchet effects in superconducting ring-shaped devices. Superconductor Science and Technology, 2017, 30, 105003.	3.5	5
18	Approaching linear photon-number resolution with superconductor nanowire array. Applied Physics B: Lasers and Optics, 2020, 126, 1.	2.2	5

#	ARTICLE	IF	CITATIONS
19	Design of double-slot antennas for terahertz array detectors in flip chip packaging. Optics Express, 2020, 28, 8783.	3.4	5
20	Probabilistic Energy-to-Amplitude Mapping in a Tapered Superconducting Nanowire Single-Photon Detector. Nano Letters, 2022, 22, 1587-1594.	9.1	5
21	Simultaneous resolution of photon numbers and positions with series-connected superconducting nanowires. Applied Physics Letters, 2022, 120, 124001.	3.3	4
22	NbN films on flexible and thickness controllable dielectric substrates. Scientific Reports, 2022, 12, .	3.3	2
23	A sensitive coupling structure for terahertz detectors array. Proceedings of SPIE, 2017, , .	0.8	1
24	Influence of periodic structure and pixel area on the performance of antenna-coupled Nb _{5N6} array detector. Microwave and Optical Technology Letters, 2020, 62, 2747-2753.	1.4	1
25	High-Sensitivity RF Choke-Enhanced Dipole Antenna-Coupled Nb _{5N6} THz Detector. Frontiers in Physics, 2021, 9, .	2.1	1
26	64-Pixel Mo ₈₀ Si ₂₀ superconducting nanowire single-photon imager with a saturated internal quantum efficiency at 1.5 μ m. Optics Letters, 2022, 47, 3523.	3.3	1
27	A low noise readout integrated circuit for Nb ₅ N ₆ microbolometer array detector. Proceedings of SPIE, 2017, , .	0.8	0
28	A cavity-coupled microbolometer terahertz detector with a metamaterial reflector. , 2019, , .		0
29	An Nb _{5N6} microbolometer THz camera. , 2021, , .		0
30	Flip-chip Interconnection between Nb _{5N6} Terahertz Array Detectors and Readout Circuits. , 2020, , .		0
31	Planar Slot Antennas Designed for THz Detectors Array in Flip Chip Packaging. , 2020, , .		0
32	Wideband cryogenic amplifier for a superconducting nanowire single-photon detector. Frontiers of Information Technology and Electronic Engineering, 2021, 22, 1666-1676.	2.6	0