Jian Chen

List of Publications by Year
in descending order

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36	359	1040056	888059
papers	citations	9	17
		h-index	g-index

36	36	36	229
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Satellite laser ranging using superconducting nanowire single-photon detectors at 1064â€‰â€‰nm wavelength. Optics Letters, 2016, 41, 3848.	3.3	63
2	Dual-color terahertz spatial light modulator for single-pixel imaging. Light: Science and Applications, 2022, 11, .	16.6	53
3	Highâ€Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	2.8	28
4	Dual-lens beam compression for optical coupling in superconducting nanowire single-photon detectors. Science Bulletin, 2015, 60, 1434-1438.	9.0	22
5	An all-day lidar for detecting soft targets over 100 km based on superconducting nanowire single-photon detectors. Superconductor Science and Technology, 2021, 34, 034005.	3.5	12
6	Multimode Fiber Coupled Superconductor Nanowire Single-Photon Detector. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	11
7	Practical dual-band terahertz imaging system. Applied Optics, 2017, 56, 3148.	2.1	11
8	Spectral imaging of flexible terahertz coding metasurface. Applied Physics Letters, 2021, 118, .	3.3	11
9	Grain Boundary Josephson Junction Harmonic Mixer Coupled With a Bowtie Loaded Meander Antenna With Zero-Bias Operation. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	10
10	Series YBCO grain boundary Josephson junctions as a terahertz harmonic mixer. Superconductor Science and Technology, 2020, 33, 025001.	3.5	10
11	Sixteen-Pixel NbN Nanowire Single Photon Detector Coupled With 300-Î¼m Fiber. IEEE Photonics Journal, 2020, 12, 1-12.	2.0	10
12	Maximizing switching current of superconductor nanowires via improved impedance matching. Applied Physics Letters, 2017, 110, .	3.3	9
13	Bifocal dual reflector system for active terahertz imaging. Applied Optics, 2018, 57, 3224.	1.8	9
14	Low-Noise Readout Integrated Circuit for Terahertz Array Detector. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 350-356.	3.1	8
15	Terahertz Direct Detectors Based on Superconducting Hot Electron Bolometers With Different Biasing Methods. IEEE Transactions on Applied Superconductivity, 2019, 29, 1-4.	1.7	8
16	Characterization of Superconducting Nbn, WSi and MoSi Ultra-Thin Films in Magnetic Field. IEEE Transactions on Applied Superconductivity, 2021, 31, 1-4.	1.7	8
17	Flexible bilayer terahertz metasurface for the manipulation of orbital angular momentum states. Optics Express, 2021, 29, 33445.	3.4	8
18	Non-invasive digital etching of van der Waals semiconductors. Nature Communications, 2022, 13, 1844.	12.8	8

#	Article	IF	Citations
19	Readout Circuit Based on Single-Flux-Quantum Logic Circuit for Photon-Number-Resolving SNSPD Array. IEEE Transactions on Applied Superconductivity, 2018, 28, 1-4.	1.7	7
20	Tunable and high quality factor Fano and toroidal dipole resonances in terahertz superconducting metamaterials. Materials Research Express, 2020, 7, 046001.	1.6	7
21	A multi-functional superconductor single-photon detector at telecommunication wavelength. Applied Physics B: Lasers and Optics, 2014, 115, 295-301.	2.2	6
22	Ratchet effects in superconducting ring-shaped devices. Superconductor Science and Technology, 2017, 30, 105003.	3.5	5
23	Effects of Diffuse and Specular Reflections on Detecting Embedded Defects of Foams With a Bifocal Active Imaging System at 0.22ÂTHz. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 150-158.	3.1	5
24	Effect of buffer layer on thermal recovery of superconducting nanowire single-photon detector. Superconductor Science and Technology, 2021, 34, 074002.	3.5	5
25	Photon-assisted Phase Slips in Superconducting Nanowires. Physical Review Applied, 2022, 17, .	3.8	5
26	Preparation and Characterization of Ultrathin WSi Films for Superconducting Nanowire Single-Photon Detectors. IEEE Transactions on Applied Superconductivity, 2019, , 1-1.	1.7	4
27	Simultaneous resolution of photon numbers and positions with series-connected superconducting nanowires. Applied Physics Letters, 2022, 120, 124001.	3.3	4
28	Terahertz Direct Detectors Based on Superconducting Hot Electron Bolometers with Microwave Biasing. Chinese Physics Letters, 2017, 34, 090701.	3.3	3
29	Local tunability in a multi-port SQUID by an injection current. Superconductor Science and Technology, 2021, 34, 125012.	3.5	3
30	Evidence for vortex splitting at the grain boundary in long YBa2Cu3O7âˆ'Î´ grain boundary junctions. Superconductor Science and Technology, 2018, 31, 085009.	3.5	2
31	NbN films on flexible and thickness controllable dielectric substrates. Scientific Reports, 2022, 12, .	3.3	2
32	High-Sensitivity RF Choke-Enhanced Dipole Antenna-Coupled Nb5N6 THz Detector. Frontiers in Physics, 2021, 9, .	2.1	1
33	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
34	A switch made from a nanowire and its application in a superconducting strip ion detector. Superconductor Science and Technology, 2018, 31, 090501.	3.5	0
35	Experimental Demonstration of Superconducting Series Nanowire Photon-Number-Resolving Detector at 660 nm Wavelength. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	0
36	The Effect of Magnetic Flux Focusing on the Currentâ€“Voltage Characteristics of YBa2Cu3O7-Î´ Grain Boundary Josephson Junctions. IEEE Transactions on Applied Superconductivity, 2020, 30, 1-5.	1.7	0