

# Jian Chen

## List of Publications by Year in descending order

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36  
papers

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citations

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docs citations

36  
times ranked

229  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photon-assisted Phase Slips in Superconducting Nanowires. <i>Physical Review Applied</i> , 2022, 17, .	3.8	5
2	Simultaneous resolution of photon numbers and positions with series-connected superconducting nanowires. <i>Applied Physics Letters</i> , 2022, 120, 124001.	3.3	4
3	Non-invasive digital etching of van der Waals semiconductors. <i>Nature Communications</i> , 2022, 13, 1844.	12.8	8
4	NbN films on flexible and thickness controllable dielectric substrates. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
5	64-Pixel Mo <sub>80</sub> Si <sub>20</sub> superconducting nanowire single-photon imager with a saturated internal quantum efficiency at 1.5 Åm. <i>Optics Letters</i> , 2022, 47, 3523.	3.3	1
6	Dual-color terahertz spatial light modulator for single-pixel imaging. <i>Light: Science and Applications</i> , 2022, 11, .	16.6	53
7	An all-day lidar for detecting soft targets over 100 km based on superconducting nanowire single-photon detectors. <i>Superconductor Science and Technology</i> , 2021, 34, 034005.	3.5	12
8	Spectral imaging of flexible terahertz coding metasurface. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	11
9	Effects of Diffuse and Specular Reflections on Detecting Embedded Defects of Foams With a Bifocal Active Imaging System at 0.22 THz. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2021, 11, 150-158.	3.1	5
10	Effect of buffer layer on thermal recovery of superconducting nanowire single-photon detector. <i>Superconductor Science and Technology</i> , 2021, 34, 074002.	3.5	5
11	Characterization of Superconducting Nbn, WSi and MoSi Ultra-Thin Films in Magnetic Field. <i>IEEE Transactions on Applied Superconductivity</i> , 2021, 31, 1-4.	1.7	8
12	Flexible bilayer terahertz metasurface for the manipulation of orbital angular momentum states. <i>Optics Express</i> , 2021, 29, 33445.	3.4	8
13	Local tunability in a multi-port SQUID by an injection current. <i>Superconductor Science and Technology</i> , 2021, 34, 125012.	3.5	3
14	High-Sensitivity RF Choke-Enhanced Dipole Antenna-Coupled Nb <sub>5</sub> N <sub>6</sub> THz Detector. <i>Frontiers in Physics</i> , 2021, 9, .	2.1	1
15	Series YBCO grain boundary Josephson junctions as a terahertz harmonic mixer. <i>Superconductor Science and Technology</i> , 2020, 33, 025001.	3.5	10
16	Sixteen-Pixel NbN Nanowire Single Photon Detector Coupled With 300-Åm Fiber. <i>IEEE Photonics Journal</i> , 2020, 12, 1-12.	2.0	10
17	The Effect of Magnetic Flux Focusing on the Current–Voltage Characteristics of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7-<math>\delta</math></sub> Grain Boundary Josephson Junctions. <i>IEEE Transactions on Applied Superconductivity</i> , 2020, 30, 1-5.	1.7	0
18	Tunable and high quality factor Fano and toroidal dipole resonances in terahertz superconducting metamaterials. <i>Materials Research Express</i> , 2020, 7, 046001.	1.6	7

#	ARTICLE	IF	CITATIONS
19	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
20	Preparation and Characterization of Ultrathin WSi Films for Superconducting Nanowire Single-Photon Detectors. IEEE Transactions on Applied Superconductivity, 2019, , 1-1.	1.7	4
21	Experimental Demonstration of Superconducting Series Nanowire Photon-Number-Resolving Detector at 660 nm Wavelength. IEEE Photonics Journal, 2019, 11, 1-8.	2.0	0
22	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
23	Low-Noise Readout Integrated Circuit for Terahertz Array Detector. IEEE Transactions on Terahertz Science and Technology, 2018, 8, 350-356.	3.1	8
24	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
25	Evidence for vortex splitting at the grain boundary in long YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> grain boundary junctions. Superconductor Science and Technology, 2018, 31, 085009.	3.5	2
26	Bifocal dual reflector system for active terahertz imaging. Applied Optics, 2018, 57, 3224.	1.8	9
27	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. Advanced Theory and Simulations, 2018, 1, 1800070.	2.8	28
28	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
29	Maximizing switching current of superconductor nanowires via improved impedance matching. Applied Physics Letters, 2017, 110, .	3.3	9
30	Ratchet effects in superconducting ring-shaped devices. Superconductor Science and Technology, 2017, 30, 105003.	3.5	5
31	Terahertz Direct Detectors Based on Superconducting Hot Electron Bolometers with Microwave Biasing. Chinese Physics Letters, 2017, 34, 090701.	3.3	3
32	Practical dual-band terahertz imaging system. Applied Optics, 2017, 56, 3148.	2.1	11
33	Satellite laser ranging using superconducting nanowire single-photon detectors at 1064 nm wavelength. Optics Letters, 2016, 41, 3848.	3.3	63
34	Dual-lens beam compression for optical coupling in superconducting nanowire single-photon detectors. Science Bulletin, 2015, 60, 1434-1438.	9.0	22
35	Multimode Fiber Coupled Superconductor Nanowire Single-Photon Detector. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	11
36	A multi-functional superconductor single-photon detector at telecommunication wavelength. Applied Physics B: Lasers and Optics, 2014, 115, 295-301.	2.2	6