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List of Publications by Year in descending order

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Version: 2024-02-01

41 papers	2,979 citations	236925 25 h-index	434195 31 g-index
42 all docs	42 docs citations	42 times ranked	2803 citing authors

#	Article	IF	Citations
1	Superconducting nanowire photon-number-resolving detector at telecommunication wavelengths. Nature Photonics, 2008, 2, 302-306.	31.4	351
2	Demonstration of sub-3 ps temporal resolution with a superconducting nanowire single-photon detector. Nature Photonics, 2020, 14, 250-255.	31.4	285
3	On-chip detection of non-classical light by scalable integration of single-photon detectors. Nature Communications, 2015, 6, 5873.	12.8	238
4	Nanophotonic rare-earth quantum memory with optically controlled retrieval. Science, 2017, 357, 1392-1395.	12.6	221
5	Quantum teleportation from a telecom-wavelength photon to a solid-state quantum memory. Nature Photonics, 2014, 8, 775-778.	31.4	208
6	Quantum storage of entangled telecom-wavelength photons in an erbium-doped optical fibre. Nature Photonics, 2015, 9, 83-87.	31.4	190
7	Quantum teleportation across a metropolitan fibre network. Nature Photonics, 2016, 10, 676-680.	31.4	184
8	Single-Photon Detectors Based on Ultranarrow Superconducting Nanowires. Nano Letters, 2011, 11, 2048-2053.	9.1	167
9	Efficient Single Photon Detection from 500 nm to 5 Î¼m Wavelength. Nano Letters, 2012, 12, 4799-4804.	9.1	155
10	Optically Addressing Single Rare-Earth Ions in a Nanophotonic Cavity. Physical Review Letters, 2018, 121, 183603.	7.8	129
11	Review of superconducting nanowire single-photon detector system design options and demonstrated performance. Optical Engineering, 2014, 53, 081907.	1.0	119
12	A three-dimensional, polarization-insensitive superconducting nanowire avalanche photodetector. Applied Physics Letters, 2012, 101, .	3.3	114
13	Nanowire superconducting single-photon detectors on GaAs for integrated quantum photonic applications. Applied Physics Letters, 2010, 97, .	3.3	67
14	High efficiency NbN nanowire superconducting single photon detectors fabricated on MgO substrates from a low temperature process. Optics Express, 2008, 16, 3191.	3.4	61
15	Mid-infrared Laser-Induced Fluorescence with Nanosecond Time Resolution Using a Superconducting Nanowire Single-Photon Detector: New Technology for Molecular Science. Accounts of Chemical Research, 2017, 50, 1400-1409.	15.6	51
16	Single Photon Counting from Individual Nanocrystals in the Infrared. Nano Letters, 2012, 12, 2953-2958.	9.1	48
17	Telecom-Wavelength Atomic Quantum Memory in Optical Fiber for Heralded Polarization Qubits. Physical Review Letters, 2015, 115, 140501.	7.8	46
18	Nanoscale Optical Detector with Single-Photon and Multiphoton Sensitivity. Nano Letters, 2010, 10, 2977-2981.	9.1	43

#	Article	IF	Citations
19	Afterpulsing and instability in superconducting nanowire avalanche photodetectors. Applied Physics Letters, 2012, 100, .	3.3	43
20	Ultra-sensitive mid-infrared emission spectrometer with sub-ns temporal resolution. Optics Express, 2018, 26, 14859.	3.4	42
21	Photon-number-resolving superconducting nanowire detectors. Superconductor Science and Technology, 2015, 28, 104001.	3.5	39
22	Single-Photon Detection System for Quantum Optics Applications. IEEE Journal of Selected Topics in Quantum Electronics, 2007, 13, 944-951.	2.9	37
23	Timing performance of 30-nm-wide superconducting nanowire avalanche photodetectors. Applied Physics Letters, 2012, 100, .	3.3	31
24	Electrothermal simulation of superconducting nanowire avalanche photodetectors. Applied Physics Letters, 2011, 98, .	3.3	30
25	High quality superconducting NbN thin films on GaAs. Superconductor Science and Technology, 2009, 22, 095013.	3.5	28
26	Superconducting parallel nanowire detector with photon number resolving functionality. Journal of Modern Optics, 2009, 56, 334-344.	1.3	18
27	Superconducting Nanowire Architectures for Single Photon Detection. Quantum Science and Technology, 2016, , 3-30.	2.6	6
28	Characterization of Superconducting Single Photon Detectors Fabricated on MgO Substrates. Journal of Low Temperature Physics, 2008, 151, 580-584.	1.4	4
29	Recent research trends for superconducting detectors: introduction for the special issue â€˜Focus on Superconducting Dectectorsâ€™. Superconductor Science and Technology, 2016, 29, 050301.	3.5	4
30	High-Operating-Temperature Superconducting Nanowire Single Photon Detectors. , 2016, , .		3
31	High-Operating-Temperature Superconducting Nanowire Single Photon Detectors based on Magnesium Diboride. , 2017, , .		3
32	NbN nanowire superconducting single photon detectors fabricated on MgO substrates. Journal of Modern Optics, 2009, 56, 395-400.	1.3	2
33	Efficient Single Photon Detection From 0.5 To 5 Micron Wavelength. , 2012, , .		2
34	Cavity-Integrated Ultra-Narrow Superconducting Nanowire Single-Photon Detector Based on a Thick Niobium Nitride Film. , 2012, , .		2
35	Single- and multi-photon imaging with a nanoscale detector. , 2009, , .		1
36	Saturated Photon Detection Efficiency in NbN Superconducting Photon Detectors. , 2015, , .		1

#	Article	IF	Citations
37	Cavity-Enhanced Nanowire Superconducting Single Photon Detectors on GaAs. , 2011, , .		0
38	Large-area NbN superconducting nanowire avalanche photon detectors with saturated detection efficiency. Proceedings of SPIE, 2015, , .	0.8	0
39	Superconducting Nanowire Detectors Based on MgB2. , 2015, , .		0
40	Counting Photons Using a Nanonetwork of Superconducting Wires. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 120-122.	0.3	0
41	Mid-Infrared Single-Photon Detection Using Superconducting Nanowires Integrated with Nano-Antennae. , 2010, , .		0