

J P Allmaras

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

784
citations

759233

12
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1058476

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19
all docs

19
docs citations

19
times ranked

669
citing authors

#	ARTICLE	IF	CITATIONS
1	Demonstration of sub-3 ps temporal resolution with a superconducting nanowire single-photon detector. <i>Nature Photonics</i> , 2020, 14, 250-255.	31.4	285
2	UV superconducting nanowire single-photon detectors with high efficiency, low noise, and 4 K operating temperature. <i>Optics Express</i> , 2017, 25, 26792.	3.4	70
3	Single-photon detection in the mid-infrared up to 10 μm wavelength using tungsten silicide superconducting nanowire detectors. <i>APL Photonics</i> , 2021, 6, .	5.7	68
4	A superconducting thermal switch with ultrahigh impedance for interfacing superconductors to semiconductors. <i>Nature Electronics</i> , 2019, 2, 451-456.	26.0	56
5	Teleportation Systems Toward a Quantum Internet. <i>PRX Quantum</i> , 2020, 1, .	9.2	54
6	Superconducting microwire detectors based on WSi with single-photon sensitivity in the near-infrared. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	48
7	Fano fluctuations in superconducting-nanowire single-photon detectors. <i>Physical Review B</i> , 2017, 96, .	3.2	44
8	Demonstration of a Thermally Coupled Row-Column SNSPD Imaging Array. <i>Nano Letters</i> , 2020, 20, 2163-2168.	9.1	40
9	Determining the depairing current in superconducting nanowire single-photon detectors. <i>Physical Review B</i> , 2019, 100, .	3.2	31
10	Superconducting nanowire single-photon detector with integrated impedance-matching taper. <i>Applied Physics Letters</i> , 2019, 114, .	3.3	29
11	Large-Area Superconducting Nanowire Single-Photon Detectors for Operation at Wavelengths up to 7.4 μm . <i>Nano Letters</i> , 2022, 22, 5667-5673.	9.1	13
12	Multilayered Heater Nanocryotron: A Superconducting-Nanowire-Based Thermal Switch. <i>Physical Review Applied</i> , 2020, 14, .	3.8	12
13	Large-Area 64-pixel Array of WSi Superconducting Nanowire Single Photon Detectors. , 2017, , .		11
14	Free-space coupled superconducting nanowire single-photon detector with low dark counts. <i>Optica</i> , 2021, 8, 1586.	9.3	10
15	Thin-Film Thermal Conductivity Measurements Using Superconducting Nanowires. <i>Journal of Low Temperature Physics</i> , 2018, 193, 380-386.	1.4	5
16	WSi superconducting nanowire single photon detector with a temporal resolution below 5 ps. , 2018, , .		5
17	Impedance-matched differential SNSPDs for practical photon counting with sub-10 ps timing jitter. , 2021, , .		1
18	Long-range depth imaging with 13ps temporal resolution using a superconducting nanowire singlephoton detector. , 2020, , .		1