

# J P Allmaras

## List of Publications by Year in descending order

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18  
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times ranked

669  
citing authors

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