

# Xiaogang Sun

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5134740/publications.pdf>

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12  
papers

141  
citations

1684188  
5  
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1199594  
12  
g-index

12  
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docs citations

12  
times ranked

68  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of a new fiber-optic multi-target multispectral pyrometer for achievable true temperature measurement of the solid rocket motor plume. Measurement: Journal of the International Measurement Confederation, 2017, 95, 239-245.	5.0	41
2	A data processing algorithm for multi-wavelength pyrometry-which does not need to assume the emissivity model in advance. Measurement: Journal of the International Measurement Confederation, 2015, 67, 92-98.	5.0	37
3	A method for improving temperature measurement accuracy on an infrared thermometer for the ambient temperature field. Review of Scientific Instruments, 2020, 91, 054903.	1.3	13
4	Development of a Pyrometer That Measures the True Temperature Field of the Two-Dimensional Array. Applied Sciences (Switzerland), 2020, 10, 2888.	2.5	12
5	Constraints of emissivity model for multi-wavelength pyrometer. Results in Physics, 2020, 19, 103388.	4.1	9
6	All-optical laser ultrasonic technique for imaging of subsurface defects in carbon fiber reinforced polymer (CFRP) using an optical microphone. Journal of Applied Physics, 2022, 131, .	2.5	7
7	Research on the Temperature and Emissivity Measurement of the Metallic Thermal Protection Blanket. International Journal of Thermophysics, 2009, 30, 249-256.	2.1	5
8	The Study of Inspection on Thin Film Resistance Strain Gauge Contact Failure by Electrical Excitation Thermal-Wave Imaging. IEEE Transactions on Industrial Electronics, 2022, 69, 6288-6297.	7.9	5
9	Research on error correction method of filter assembly based on abnormal trend recognition of sequence data. Measurement: Journal of the International Measurement Confederation, 2020, 163, 107932.	5.0	4
10	Boundary Shape Inversion of Two-Dimensional Steady-State Heat Transfer System Based on Finite Volume Method and Decentralized Fuzzy Adaptive PID Control. Applied Sciences (Switzerland), 2020, 10, 153.	2.5	4
11	A data processing method on infrared temperature measurement of non-lambert body in a non-uniform environment. Infrared Physics and Technology, 2022, 123, 104187.	2.9	3
12	Spatially Resolved Electrical Parameters of Si Solar Cells Using Quantitative Lock-In Carrierography. International Journal of Thermophysics, 2020, 41, 1.	2.1	1