

# Jaeman Song

## List of Publications by Year in descending order

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11  
papers

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citations

1040056

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1372567

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11  
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docs citations

11  
times ranked

215  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive analysis of an optimized near-field tandem thermophotovoltaic converter. Solar Energy Materials and Solar Cells, 2022, 236, 111522.	6.2	12
2	Modeling and experiments of near-field thermophotovoltaic conversion: A review. Solar Energy Materials and Solar Cells, 2022, 238, 111556.	6.2	27
3	Thermophotovoltaic Energy Conversion in Far-to-Near-Field Transition Regime. ACS Photonics, 2022, 9, 1748-1756.	6.6	12
4	Analysis of temperature-dependent I-V characteristics of the Au/n-GaSb Schottky diode. Materials Science in Semiconductor Processing, 2021, 131, 105882.	4.0	12
5	Surface-Plasmon-Enhanced Near-Field Radiative Heat Transfer between Planar Surfaces with a Thin-Film Plasmonic Coupler. Physical Review Applied, 2020, 14, .	3.8	18
6	Ultrahigh emissivity of grating-patterned PDMS film from 8 to 13 $\mu\text{m}$ wavelength regime. Applied Physics Letters, 2020, 117, .	3.3	52
7	Near-Field Electroluminescent Refrigeration System Consisting of Two Graphene Schottky Diodes. Journal of Heat Transfer, 2020, 142, .	2.1	3
8	Analysis of Photocurrent Generation within a Schottky-Junction-Based Near-Field Thermophotovoltaic System. Physical Review Applied, 2019, 11, .	3.8	21
9	PERFORMANCE ANALYSIS MODEL FOR A NEAR-FIELD THERMOPHOTOVOLTAIC SYSTEM WITH A BACKSIDE REFLECTOR. , 2019, , .		1
10	Optimization of a near-field thermophotovoltaic system operating at low temperature and large vacuum gap. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 35-43.	2.3	38
11	Tailoring near-field thermal radiation between metallo-dielectric multilayers using coupled surface plasmon polaritons. Nature Communications, 2018, 9, 4302.	12.8	95