

Jaeman Song

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

291
citations

1040056

9
h-index

1372567

10
g-index

11
all docs

11
docs citations

11
times ranked

215
citing authors

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