

# Microgap thermophotovoltaic systems with low emission output

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Citation Report

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Thermal energy conversion using near-field thermophotovoltaic device composed of a thin-film tungsten radiator and a thin-film silicon cell. Journal of Applied Physics, 2017, 122, 084302. | 1.1 | 9         |
| 2  | Super-Planckian Thermophotovoltaics Without Vacuum Gaps. Physical Review Applied, 2017, 8, .  | 1.5 | 12        |
| 3  | 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.    | 1.1 | 38        |
| 4  | Magnetic field free circularly polarized thermal emission from a chiral metasurface. Physical Review B, 2018, 98, .   | 1.1 | 28        |
| 5  | Indium antimonide photovoltaic cells for near-field thermophotovoltaics. Solar Energy Materials and Solar Cells, 2019, 203, 110190.   | 3.0 | 15        |
| 6  | An Equivalent ABCD-Matrix Formalism for Non-Local Wire Media With Arbitrary Terminations. IEEE Transactions on Antennas and Propagation, 2020, 68, 1786-1798.                               | 3.1 | 1         |
| 7  | Hyperbolic Bismuthâ€Dielectric Structure for Terahertz Photonics. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000093.  | 1.2 | 3         |
| 8  | Transient performance of a nanowire-based near-field thermophotovoltaic system. Applied Thermal Engineering, 2021, 192, 116918.   | 3.0 | 11        |
| 9  | Miniaturized Backward Coupler Realized by the Circuitâ€Based Planar Hyperbolic Waveguide. Advanced Photonics Research, 2021, 2, 2100035.  | 1.7 | 6         |
| 10 | Micron-sized liquid nitrogen-cooled indium antimonide photovoltaic cell for near-field thermophotovoltaics. Optics Express, 2019, 27, A11.  | 1.7 | 31        |
| 11 | Zero-index and hyperbolic metacavities: fundamentals and applications. Journal Physics D: Applied Physics, 2022, 55, 083001.  | 1.3 | 33        |
| 12 | High contrast grating based thermal emitters for portable thermophotovoltaic systems. , 2018, , .   |     | 1         |
| 15 | Enhanced radiative absorption distribution in near-field thermophotovoltaic system with multilayer emitter. AIP Conference Proceedings, 2023, , .   | 0.3 | 0         |