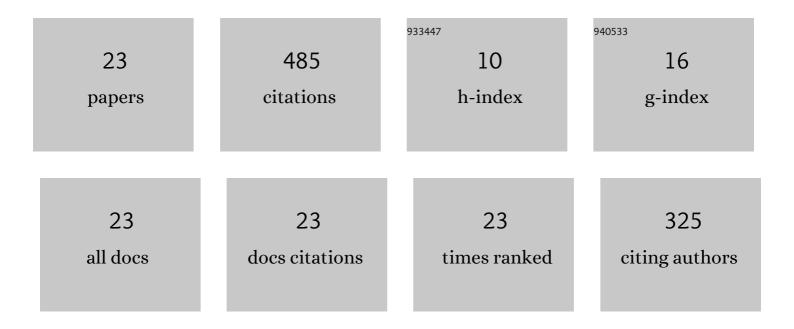


List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	GaAs thermophotovoltaic patterned dielectric back contact devices with improved sub-bandgap reflectance. Solar Energy Materials and Solar Cells, 2022, 238, 111545.	6.2	6
2	Semiconductor-dielectric-metal solar absorbers with high spectral selectivity. Solar Energy Materials and Solar Cells, 2022, 240, 111735.	6.2	8
3	Thermophotovoltaic efficiency of 40%. Nature, 2022, 604, 287-291.	27.8	108
4	High-performance carbon nanotube electronic ratchets. Energy and Environmental Science, 2021, 14, 5457-5468.	30.8	8
5	Coupled Charge and Radiation Transport Processes in Thermophotovoltaic and Thermoradiative Cells. Physical Review Applied, 2021, 15, .	3.8	16
6	Platform for Accurate Efficiency Quantification of > 35% Efficient Thermophotovoltaic Cells. , 2021, , .		3
7	Rigorous Coupled Wave Analysis of GaAs Thermophotovoltaic Devices with a Patterned Dielectric Back Contact. , 2021, , .		0
8	Spatial profiles of photon chemical potential in near-field thermophotovoltaic cells. Journal of Applied Physics, 2021, 129, .	2.5	13
9	Effect of Evanescent Waves on the Dark Current of Thermophotovoltaic Cells. Nanoscale and Microscale Thermophysical Engineering, 2020, 24, 1-19.	2.6	14
10	Solar Thermoradiative-Photovoltaic Energy Conversion. Cell Reports Physical Science, 2020, 1, 100258.	5.6	18
11	Comparison of kinetic theory and fluctuational electrodynamics for radiative heat transfer in nanoparticle chains. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 246, 106947.	2.3	17
12	World record demonstration of > 30% thermophotovoltaic conversion efficiency. , 2020, , .		7
13	DIPOLE APPROXIMATIONS FOR NEAR-FIELD RADIATIVE HEAT TRANSFER. Annual Review of Heat Transfer, 2020, 23, 131-166.	1.0	1
14	Photonic thermal conduction by infrared plasmonic resonators in semiconductor nanowires. Applied Physics Letters, 2019, 114, 163104.	3.3	10
15	Thermal radiation in systems of many dipoles. Physical Review B, 2019, 100, .	3.2	39
16	Near-field radiative thermoelectric energy converters: a review. Frontiers in Energy, 2018, 12, 5-21.	2.3	71
17	Sub-diffractional waveguiding by mid-infrared plasmonic resonators in semiconductor nanowires. Nanoscale, 2018, 10, 5708-5716.	5.6	5
18	An economic analysis of residential photovoltaic systems with lithium ion battery storage in the United States. Renewable and Sustainable Energy Reviews, 2018, 94, 1057-1066.	16.4	101

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#	Article	IF	CITATIONS
19	NEAR-FIELD RADIATIVE THERMAL CONDUCTIVITY OF NANOPARTICLE CHAINS. , 2018, , .		0
20	Thermo-optical properties of packed nanoparticle thermal interface materials. , 2017, , .		1
21	Collective near-field thermal emission from polaritonic nanoparticle arrays. Physical Review Materials, 2017, 1, .	2.4	34
22	Field Testing of Negative-Wave Leak Detection Systems. , 2014, , .		4
23	Characterization of Thermal and Acoustic Profiles of Potential Underwater Pipeline Leaks. , 2014, , .		1