

Eric J Tervo

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

485
citations

933447

10
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

325
citing authors

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

#	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