

Maciej Haras

List of Publications by Year in descending order

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Version: 2024-02-01

11
papers

480
citations

1307366

7
h-index

1474057

9
g-index

11
all docs

11
docs citations

11
times ranked

586
citing authors

#	ARTICLE	IF	CITATIONS
1	Heat dissipation in partially perforated phononic nano-membranes with periodicities below 100 nm. APL Materials, 2022, 10, 051113.	2.2	3
2	Pulse mode of operation “ A new booster of TEG, improving power up to X2.7 “ to better fit IoT requirements. Nano Energy, 2020, 68, 104204.	8.2	8
3	Thermoelectricity for IoT “ A review. Nano Energy, 2018, 54, 461-476.	8.2	230
4	Native-oxide limited cross-plane thermal transport in suspended silicon membranes revealed by scanning thermal microscopy. Applied Physics Letters, 2017, 111, .	1.5	15
5	Fabrication of Thin-Film Silicon Membranes With Phononic Crystals for Thermal Conductivity Measurements. IEEE Electron Device Letters, 2016, 37, 1358-1361.	2.2	21
6	Thermoelectric energy conversion: How good can silicon be?. Materials Letters, 2015, 157, 193-196.	1.3	21
7	Toward quantitative modeling of silicon phononic thermocrystals. Applied Physics Letters, 2015, 106, .	1.5	13
8	Fabrication of integrated micrometer platform for thermoelectric measurements. , 2014, , .		10
9	Unconventional Thin-Film Thermoelectric Converters: Structure, Simulation, and Comparative Study. Journal of Electronic Materials, 2014, 43, 2109-2114.	1.0	79
10	Phononic engineering of silicon using “dots on the fly” e-beam lithography and plasma etching. Microelectronic Engineering, 2014, 121, 131-134.	1.1	78
11	A wide-band modeling of DC-DC two-transistor flyback converter.. , 2011, , .		2