

Andrea Montecucco

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

780
citations

759233

12
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

885
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of temperature mismatch on thermoelectric generators electrically connected in series and parallel. Applied Energy, 2014, 123, 47-54.	10.1	162
2	Maximum Power Point Tracking Converter Based on the Open-Circuit Voltage Method for Thermoelectric Generators. IEEE Transactions on Power Electronics, 2015, 30, 828-839.	7.9	161
3	Accurate simulation of thermoelectric power generating systems. Applied Energy, 2014, 118, 166-172.	10.1	82
4	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. Angewandte Chemie - International Edition, 2016, 55, 6433-6437.	13.8	81
5	Chlorine-Enabled Electron Doping in Solution-Synthesized SnSe Thermoelectric Nanomaterials. Advanced Energy Materials, 2017, 7, 1602328.	19.5	64
6	Constant heat characterisation and geometrical optimisation of thermoelectric generators. Applied Energy, 2015, 149, 248-258.	10.1	62
7	Transient response of a thermoelectric generator to load steps under constant heat flux. Applied Energy, 2018, 212, 293-303.	10.1	33
8	A New Test Rig for Accurate Nonparametric Measurement and Characterization of Thermoelectric Generators. Journal of Electronic Materials, 2013, 42, 1966-1973.	2.2	28
9	A Combined Heat and Power System for Solid-fuel Stoves Using Thermoelectric Generators. Energy Procedia, 2015, 75, 597-602.	1.8	23
10	Multiphysics Simulations of a Thermoelectric Generator. Energy Procedia, 2015, 75, 633-638.	1.8	21
11	Simple, fast and accurate maximum power point tracking converter for thermoelectric generators. , 2012, , .		19
12	Novel model and maximum power tracking algorithm for thermoelectric generators operated under constant heat flux. Applied Energy, 2019, 256, 113930.	10.1	15
13	Hardware Implementation of Maximum Power Point Tracking for Thermoelectric Generators. Journal of Electronic Materials, 2014, 43, 2293-2300.	2.2	12
14	Facile Surfactant-Free Synthesis of p-Type SnSe Nanoplates with Exceptional Thermoelectric Power Factors. Angewandte Chemie, 2016, 128, 6543-6547.	2.0	9
15	Megawatt scale energy recovery in the Rankine cycle. , 2012, , .		5
16	Outdoor performance of a reflective type 3D LCPV system under different climatic conditions. AIP Conference Proceedings, 2017, , .	0.4	3