

Miguel Angel Olivares Robles

List of Publications by Year in descending order

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docs citations

35
times ranked

200
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel mechanism for thermal management at the cold side of a pulsed two-stage thermoelectric micro-cooler with different PCM heat sink shapes. Energy Reports, 2022, 8, 6929-6944.	2.5	6
2	A New Approach for Approximate Solution of ADE: Physical-Based Modeling of Carriers in Doping Region. Mathematics, 2021, 9, 458.	1.1	1
3	Transient thermal behavior of a segmented thermoelectric cooler with variable cross-sectional areas. International Journal of Energy Research, 2021, 45, 19215-19225.	2.2	13
4	Analysis of the Performance of a Solar Thermoelectric Generator for Variable Leg Geometry with Nanofluid Cooling. Processes, 2021, 9, 1352.	1.3	13
5	Supercooling in a new two-stage thermoelectric cooler design with phase change material and Thomson effect. Energy Conversion and Management, 2021, 243, 114355.	4.4	19
6	A comprehensive analysis on nanostructured materials in a thermoelectric micro-system based on geometric shape, segmentation structure and load resistance. Scientific Reports, 2020, 10, 21659.	1.6	11
7	Segmented Thermoelectric Generator under Variable Pulsed Heat Input Power. Entropy, 2019, 21, 929.	1.1	5
8	Design of Nano-Structured Micro-Thermoelectric Generator: Load Resistance and Inflections in the Efficiency. Entropy, 2019, 21, 224.	1.1	10
9	Peltier Supercooling in Transient Thermoelectrics: Spatial Temperature Profile and Characteristic Cooling Length. Entropy, 2019, 21, 226.	1.1	13
10	Feasibility and Numerical Analysis of Hybrid Photovoltaic (PV) Panels with Thermoelectric Cooling (TEC) Systems. , 2018, , .		0
11	On the interfacial thermal conductance of a ferromagnetic metal junction. Journal Physics D: Applied Physics, 2018, 51, 294002.	1.3	2
12	Performance of Segmented Thermoelectric Cooler Micro-Elements with Different Geometric Shapes and Temperature-Dependent Properties. Entropy, 2018, 20, 118.	1.1	11
13	Analysis of a Hybrid Thermoelectric Microcooler: Thomson Heat and Geometric Optimization. Entropy, 2017, 19, 312.	1.1	19
14	Modelling of the Peltier effect in magnetic multilayers. Journal of Applied Physics, 2016, 119, .	1.1	4
15	General Approach for Composite Thermoelectric Systems with Thermal Coupling: The Case of a Dual Thermoelectric Cooler. Entropy, 2015, 17, 3787-3805.	1.1	3
16	Performance of a Composite Thermoelectric Generator with Different Arrangements of SiGe, BiTe and PbTe under Different Configurations. Entropy, 2015, 17, 7387-7405.	1.1	3
17	Gas Turbine Fault Diagnosis Using Probabilistic Neural Networks. International Journal of Turbo and Jet Engines, 2015, 32, .	0.3	22
18	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. Applied Physics Express, 2015, 8, 083002.	1.1	2

#	ARTICLE	IF	CITATIONS
19	Maximum Power of Thermally and Electrically Coupled Thermoelectric Generators. Entropy, 2014, 16, 2890-2903.	1.1	13
20	Thermoelectric System in Different Thermal and Electrical Configurations: Its Impact in the Figure of Merit. Entropy, 2013, 15, 2162-2180.	1.1	17
21	Optimization of Two-Stage Peltier Modules: Structure and Exergetic Efficiency. Entropy, 2012, 14, 1539-1552.	1.1	20
22	An overview of quantum cryptography: Simulation. , 2011, , .		1
23	Size Effects on the Entropy Production in Oscillatory Flow between Parallel Plates. Entropy, 2011, 13, 542-553.	1.1	2
24	Entropy Generation in Oscillatory Flow between Parallel Plates. , 2010, , 97-112.		0
25	Probing Hamiltonian dynamics by means of the $\epsilon=1$ test for chaos. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 495102.	0.7	7
26	Viscoelastic Effects on the Entropy Production in Oscillatory Flow between Parallel Plates with Convective Cooling. Entropy, 2009, 11, 4-16.	1.1	8
27	On the Fluctuation-Dissipation Theorem for Convective Processes. Journal of Non-Equilibrium Thermodynamics, 2007, 32, .	2.4	0
28	Calculation of electronic properties in $\text{Al}_x\text{Ga}_{1-x}$ delta-doped systems. Microelectronics Journal, 2005, 36, 416-418.	1.1	2
29	Fluctuation-dissipation theorems in the GENERIC formalism: The viscoelastic fluids. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 19-33.	1.2	1
30	Dipole Crystals in Two-Dimensional Systems. Physica Status Solidi (B): Basic Research, 2002, 233, 280-285.	0.7	1
31	Generalized two stream theory for photon migration. Physica A: Statistical Mechanics and Its Applications, 1998, 261, 435-450.	1.2	1
32	Hyperbolic type transport equations. Physica A: Statistical Mechanics and Its Applications, 1995, 220, 165-172.	1.2	14
33	Mesoscopic derivation of hyperbolic transport equations. Physical Review E, 1994, 50, 2451-2457.	0.8	14
34	Performance Analysis of Composite Thermoelectric Generators. , 0, , .		0
35	Thermoelectric Cooling: The Thomson Effect in Hybrid Two- Stage Thermoelectric Cooler Systems with Different Leg Geometric Shapes. , 0, , .		3