Miguel Angel Olivares Robles

List of Publications by Year
in descending order

35 papers	261 citations	840119 11 h-index	996533 15 g-index
35 all docs	35 docs citations	35 times ranked	200 citing authors

#	Article	IF	Citations
1	Gas Turbine Fault Diagnosis Using Probabilistic Neural Networks. International Journal of Turbo and Jet Engines, 2015, 32, .	0.3	22
2	Optimization of Two-Stage Peltier Modules: Structure and Exergetic Efficiency. Entropy, 2012, 14, 1539-1552.	1.1	20
3	Analysis of a Hybrid Thermoelectric Microcooler: Thomson Heat and Geometric Optimization. Entropy, 2017, 19, 312.	1.1	19
4	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
5	Thermoelectric System in Different Thermal and Electrical Configurations: Its Impact in the Figure of Merit. Entropy, 2013, 15, 2162-2180.	1.1	17
6	Mesoscopic derivation of hyperbolic transport equations. Physical Review E, 1994, 50, 2451-2457.	0.8	14
7	Hyperbolic type transport equations. Physica A: Statistical Mechanics and Its Applications, 1995, 220, 165-172.	1.2	14
8	Maximum Power of Thermally and Electrically Coupled Thermoelectric Generators. Entropy, 2014, 16, 2890-2903.	1.1	13
9	Peltier Supercooling in Transient Thermoelectrics: Spatial Temperature Profile and Characteristic Cooling Length. Entropy, 2019, 21, 226.	1.1	13
10	Transient thermal behavior of a segmented thermoelectric cooler with variable <scp>crossâ€sectional</scp> areas. International Journal of Energy Research, 2021, 45, 19215-19225.	2.2	13
11	Analysis of the Performance of a Solar Thermoelectric Generator for Variable Leg Geometry with Nanofluid Cooling. Processes, 2021, 9, 1352.	1.3	13
12	Performance of Segmented Thermoelectric Cooler Micro-Elements with Different Geometric Shapes and Temperature-Dependent Properties. Entropy, 2018, 20, 118.	1.1	11
13	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
14	Design of Nano-Structured Micro-Thermoelectric Generator: Load Resistance and Inflections in the Efficiency. Entropy, 2019, 21, 224.	1.1	10
15	Viscoelastic Effects on the Entropy Production in Oscillatory Flow between Parallel Plates with Convective Cooling. Entropy, 2009, 11, 4-16.	1.1	8
16	Probing Hamiltonian dynamics by means of the 0â€“1 test for chaos. Journal of Physics A: Mathematical and Theoretical, 2009, 42, 495102.	0.7	7
17	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
18	Segmented Thermoelectric Generator under Variable Pulsed Heat Input Power. Entropy, 2019, 21, 929.	1.1	5

#	Article	IF	Citations
19	Modelling of the Peltier effect in magnetic multilayers. Journal of Applied Physics, 2016, 119, .	1.1	4
20	General Approach for Composite Thermoelectric Systems with Thermal Coupling: The Case of a Dual Thermoelectric Cooler. Entropy, 2015, 17, 3787-3805.	1.1	3
21	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
22	Thermoelectric Cooling: The Thomson Effect in Hybrid Two- Stage Thermoelectric Cooler Systems with Different Leg Geometric Shapes. , 0, , .		3
23	Calculation of electronic properties in AlxGa1â^'x delta-doped systems. Microelectronics Journal, 2005, 36, 416-418.	1.1	2
24	Size Effects on the Entropy Production in Oscillatory Flow between Parallel Plates. Entropy, 2011, 13, 542-553.	1.1	2
25	Size dependence of Peltier cooling in ferromagnet/Au nanopillars. Applied Physics Express, 2015, 8, 083002.	1.1	2
26	On the interfacial thermal conductance of a ferromagnetic metal junction. Journal Physics D: Applied Physics, 2018, 51, 294002.	1.3	2
27	Generalized two stream theory for photon migration. Physica A: Statistical Mechanics and Its Applications, 1998, 261, 435-450.	1.2	1
28	Dipole Crystals in Two-Dimensional Systems. Physica Status Solidi (B): Basic Research, 2002, 233, 280-285.	0.7	1
29	Fluctuationâ€“dissipation theorems in the GENERIC formalism: The viscoelastic fluids. Physica A: Statistical Mechanics and Its Applications, 2005, 354, 19-33.	1.2	1
30	An overview of quantum cryptography: Simulation. , 2011, , .		1
31	A New Approach for Approximate Solution of ADE: Physical-Based Modeling of Carriers in Doping Region. Mathematics, 2021, 9, 458.	1.1	1
32	On the Fluctuation-Dissipation Theorem for Convective Processes. Journal of Non-Equilibrium Thermodynamics, 2007, 32, .	2.4	0
33	Entropy Generation in Oscillatory Flow between Parallel Plates. , 2010, , 97-112.		0
34	Performance Analysis of Composite Thermoelectric Generators. , 0, , .		0
35	Feasibility and Numerical Analysis of Hybrid Photovoltaic (PV) Panels with Thermoelectric Cooling (TEC) Systems. , 2018, , .		0