

Orlando Lastres

List of Publications by Year in descending order

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15
papers

283
citations

1477746

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1125271

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16
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Entropy generation analysis of MHD nanofluid flow in a porous vertical microchannel with nonlinear thermal radiation, slip flow and convective-radiative boundary conditions. <i>International Journal of Heat and Mass Transfer</i> , 2017, 107, 982-994.	2.5	144
2	Optimization of MHD nanofluid flow in a vertical microchannel with a porous medium, nonlinear radiation heat flux, slip flow and convective-radiative boundary conditions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3401-3420.	2.0	46
3	Considerations for the structural analysis and design of wind turbine towers: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 137, 110447.	8.2	36
4	A new method for characterization of small capacity wind turbines with permanent magnet synchronous generator: An experimental study. <i>Heliyon</i> , 2018, 4, e00732.	1.4	10
5	Entropy generation minimization and nonlinear heat transport in MHD flow of a couple stress nanofluid through an inclined permeable channel with a porous medium, thermal radiation and slip. <i>Heat Transfer</i> , 2020, 49, 4878-4906.	1.7	10
6	Analysis of the current methods used to size a wind/hydrogen/fuel cell-integrated system: A new perspective. <i>International Journal of Energy Research</i> , 2010, 34, 1042-1051.	2.2	7
7	Selection of hybrid systems with hydrogen storage based on multiple criteria: application to autonomous systems and connected to the electrical grid. <i>International Journal of Energy Research</i> , 2014, 38, 702-713.	2.2	6
8	Theoretical and Experimental Analysis of Aerodynamic Noise in Small Wind Turbines. <i>Energies</i> , 2021, 14, 727.	1.6	6
9	Diseño, construcción y evaluación de un secador solar para mango Ataulfo. <i>Revista Mexicana De Ciencias Agrícolas</i> , 2017, 8, 1719-1732.	0.0	5
10	Improvement of biofilm formation for application in a single chamber microbial electrolysis cell. <i>Fuel Cells</i> , 2021, 21, 317.	1.5	4
11	Dimensioning Optimization of the Permanent Magnet Synchronous Generator for Direct Drive Wind Turbines. <i>Energies</i> , 2021, 14, 7106.	1.6	4
12	Harnessing Offshore Wind Energy along the Mexican Coastline in the Gulf of Mexico—An Exploratory Study including Sustainability Criteria. <i>Sustainability</i> , 2022, 14, 5877.	1.6	3
13	Cinética de secado de Moringa oleifera. <i>Revista Mexicana De Ciencias Agrícolas</i> , 2018, 9, 935-947.	0.0	2
14	Hydrogen production by <i>Spirulina maxima</i> 2342 under different light intensities and quantification employing a fuel cell. <i>International Journal of Global Warming</i> , 2015, 8, 86.	0.2	0
15	Use of the multicriteria analysis methods to optimize sustainable energy systems based on renewable sources. <i>Journal-urban-rural and Regional Economy</i> , 0, , 15-29.	0.0	0