

Michel Rivero

List of Publications by Year in descending order

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31
papers

196
citations

1307594

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1125743

13
g-index

31
all docs

31
docs citations

31
times ranked

171
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of the slip condition in magnetohydrodynamic (MHD) micropumps. Sensors and Actuators B: Chemical, 2012, 166-167, 884-892.	7.8	63
2	A new methodology to extend the validity of the Hargreaves-Samani model to estimate global solar radiation in different climates: Case study Mexico. Renewable Energy, 2017, 114, 1340-1352.	8.9	17
3	High-precision horizontally directed force measurements for high dead loads based on a differential electromagnetic force compensation system. Measurement Science and Technology, 2016, 27, 045107.	2.6	16
4	Review of atmospheric stability estimations for wind power applications. Renewable and Sustainable Energy Reviews, 2022, 163, 112505.	16.4	15
5	Magnetohydrodynamic flow induced by arrays of rotating permanent magnets. Experimental Thermal and Fluid Science, 2016, 78, 30-40.	2.7	8
6	Towards metering tap water by Lorentz force velocimetry. Measurement Science and Technology, 2015, 26, 115302.	2.6	7
7	Evaluation of SnS:Cu Thin Film Properties Obtained by USP Technique to Implement It as an Absorbent Layer in Solar Cells Using SCAPS. Coatings, 2021, 11, 754.	2.6	7
8	Comparative study on the cost of hybrid energy and energy storage systems in remote rural communities near Yucatan, Mexico. Applied Energy, 2022, 308, 118334.	10.1	7
9	Effect of the magnetic field orientation on the damping of liquid metal free surface waves in the processing of materials. Applied Thermal Engineering, 2015, 75, 1296-1301.	6.0	6
10	Averaged current mode control for maximum power point tracking in high-gain photovoltaic applications. Journal of Power Electronics, 2020, 20, 1650-1661.	1.5	6
11	Noncascading Quadratic Buck-Boost Converter for Photovoltaic Applications. Micromachines, 2021, 12, 984.	2.9	6
12	Study of the flow induced by circular cylinder performing torsional oscillation. European Journal of Mechanics, B/Fluids, 2019, 78, 245-251.	2.5	5
13	Solar irradiance estimation based on image analysis. , 2018, , .		3
14	Oscillatory flow between concentric spheres driven by an electromagnetic force. Journal of Fluid Mechanics, 2021, 920, .	3.4	3
15	Instabilities in swirling liquid metal flows driven by rotating permanent magnets. Magnetohydrodynamics, 2017, 53, 79-88.	0.3	3
16	Theoretical modeling of a vortex-type liquid metal MHD generator for energy harvesting applications. Sustainable Energy Technologies and Assessments, 2022, 52, 102056.	2.7	3
17	Three-phase converter based on reduced redundant power processing concept. , 2017, , .		2
18	Noncascading quadratic boost converter for PV applications. , 2018, , .		2

#	ARTICLE	IF	CITATIONS
19	Wind park electric power estimation based on the Jensen wake model. , 2018, , .		2
20	Effect of electromagnetically driven liquid metal flows on the electric potential difference in a cuboid vessel. Journal of Power Sources, 2021, 483, 229162.	7.8	2
21	Natural convection in a partially heated cylinder: A numerical study. Journal of Theoretical and Applied Mechanics, 2021, , 623-636.	0.5	2
22	Effect of Asynchronous Data Processing on Solar Irradiance and Clearness Index Estimation by Sky Imagery. Applied Solar Energy (English Translation of Geliotekhnika), 2020, 56, 508-516.	1.6	2
23	Study of the spherical Couette flow with electromagnetic stirring. European Journal of Mechanics, B/Fluids, 2022, 92, 40-48.	2.5	2
24	Statistical Method for Single-Diode Model Parameters Extraction of a Photovoltaic Module. , 2020, , .		2
25	Theoretical and Experimental Methodology for Designing Hybrid Photocatalytic Reactors. Topics in Catalysis, 2022, 65, 1000-1014.	2.8	2
26	Theoretical analysis of the frictional losses in magnetohydrodynamic microflows considering slippage. Microsystem Technologies, 2019, 25, 3879-3889.	2.0	1
27	Quadratic Buck/Boost Converter in Series Connection for Photovoltaic Applications. , 2020, , .		1
28	Mechanical energy analysis of a boomerang mechanism. Revista Mexicana De Fisica E, 2020, 17, 19-26.	0.1	1
29	Maximum power point tracker based on PFC control scheme. , 2016, , .		0
30	A maximum power point control scheme applied to a noncascading dc-dc converter for a PV system. , 2017, , .		0
31	Evaluation of a Cost-Effective Technology for the Experimental Investigation of Microflows With Water and Liquid Metal. Journal of Fluids Engineering, Transactions of the ASME, 2021, 143, .	1.5	0