

Luis Obregon

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

140
citations

1478280

6
h-index

1199470

12
g-index

23
all docs

23
docs citations

23
times ranked

126
citing authors

#	ARTICLE	IF	CITATIONS
1	Model predictive control of a fluidized bed dryer with an inline NIR as moisture sensor. Control Engineering Practice, 2013, 21, 509-517.	3.2	36
2	Energy, Economic, and Environmental Evaluation of a Proposed Solar-Wind Power On-grid System Using HOMER Pro®: A Case Study in Colombia. Energies, 2020, 13, 1662.	1.6	34
3	Discrimination limit between mean gray values for the prediction of powder concentrations. Powder Technology, 2007, 175, 8-13.	2.1	13
4	Mixing of granular materials, part II: effect of particle size under periodic shear. Powder Technology, 2010, 201, 193-200.	2.1	12
5	Mixing of granular materials. Part I: Effect of periodic shear. Powder Technology, 2010, 197, 9-16.	2.1	10
6	Efficiency Optimization Study of a Centrifugal Pump for Industrial Dredging Applications Using CFD. International Review on Modelling and Simulations, 2019, 12, 245.	0.2	9
7	Development of a new educational package based on e-learning to study engineering thermodynamics process: combustion, energy and entropy analysis. Heliyon, 2020, 6, e04269.	1.4	6
8	RESEARCH TREND ON NUCLEAR ENERGY FROM 2008 TO 2018: A BIBLIOMETRIC ANALYSIS. International Journal of Energy Economics and Policy, 2019, 9, 542-551.	0.5	4
9	A novel multiple linear multivariate NIR calibration model-based strategy for inline monitoring of continuous mixing. AIChE Journal, 2014, 60, 3123-3132.	1.8	3
10	A New Educational Thermodynamic Software to Promote Critical Thinking in Youth Engineering Students. Sustainability, 2020, 12, 110.	1.6	3
11	Agglomeration modeling of small and large particles by a diffusion theory approach. AIChE Journal, 2009, 55, 1127-1134.	1.8	2
12	Experimental determination of new statistical correlations for the calculation of the heat transfer coefficient by convection for flat plates, cylinders and tube banks. Inge Cuc, 2017, 13, 9-17.	0.2	2
13	Simulation of a Compressible Powder Flow under Oscillatory Shear Stress Modeled as a Non - Linear Fluid by Using an Explicit Solution Method. Journal of Engineering Science and Technology Review, 2018, 11, 84-90.	0.2	2
14	STUDY ON THE APPLICABILITY OF SUSTAINABLE DEVELOPMENT POLICIES IN ELECTRICITY GENERATION SYSTEMS IN COLOMBIA. International Journal of Energy Economics and Policy, 0, , 492-502.	0.5	1
15	Comparative Study of Mixing Liquids and Powders in a Continuous Medium using CFD. Journal of Engineering Science and Technology Review, 2018, 11, 134-138.	0.2	1
16	Critical Review of the Theoretical, Experimental and Computational Fluid Dynamics Methods for Designing Plate Fin Heat Exchangers. Journal of Engineering Science and Technology Review, 2019, 12, 126-133.	0.2	1
17	Hygienic and Sanitary Quality in Street Food Stalls Located in a University Sector of Barranquilla, Colombia. Advance Journal of Food Science and Technology, 2018, 16, 155-160.	0.1	0
18	Mixing of Powders Inside a Cyclic Shear Mixing Device: A Parametric Analysis. Journal of Engineering Science and Technology Review, 2019, 12, 1-6.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Global Solar Radiation Prediction in Colombia Using a Backpropagation Neural Network Architecture. International Review of Automatic Control, 2019, 12, 293.	0.2	0
20	Thermo-Economic Optimization of a Cogeneration System Fueled by Syngas Produced from Gasification of Palm Biomass. International Review of Mechanical Engineering, 2019, 13, 662.	0.1	0
21	Shaft Pump Power - Effect of Pipe Network Configuration. International Journal on Energy Conversion, 2020, 8, 102.	0.5	0
22	Air Conditioning Research Evolution from 2008 to 2019: A Scientometric Analysis. Journal of Advanced Research in Fluid Mechanics and Thermal Sciences, 2020, 73, 59-68.	0.3	0