Ulpiano Ruiz-rivas

List of Publications by Year
in descending order

24 papers	583 citations	567281 15 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	524 citing authors

#	Article	IF	Citations
1	Analysis of biomass and sewage sludge devolatilization using the distributed activation energy model. Energy Conversion and Management, 2013, 65, 239-244.	9.2	80
2	Experimental investigation of fluid flow and heat transfer in a single-phase liquid flow micro-heat exchanger. International Journal of Heat and Mass Transfer, 2009, 52, 5433-5446.	4.8	62
3	Circulation of an object immersed in a bubbling fluidized bed. Chemical Engineering Science, 2011, 66, 78-87.	3.8	59
4	Evaluating the accuracy of the Distributed Activation Energy Model for biomass devolatilization curves obtained at high heating rates. Energy Conversion and Management, 2014, 86, 1045-1049.	9.2	49
5	Buoyancy effects on objects moving in a bubbling fluidized bed. Chemical Engineering Science, 2011, 66, 2833-2841.	3.8	46
6	Modeling the thin-layer drying process of Granny Smith apples: Application in an indirect solar dryer. Applied Thermal Engineering, 2016, 108, 1086-1094.	6.0	42
7	Motion of a large object in a bubbling fluidized bed with a rotating distributor. Chemical Engineering and Processing: Process Intensification, 2011, 50, 859-868.	3.6	28
8	A simple model to predict the performance of a H2Oâ€“LiBr absorber operating with a microporous membrane. Energy, 2016, 96, 383-393.	8.8	27
9	Simplified model of a membrane-based rectangular micro-desorber for absorption chillers. International Journal of Refrigeration, 2016, 71, 108-123.	3.4	22
10	Solid conduction effects and design criteria in moving bed heat exchangers. Applied Thermal Engineering, 2011, 31, 1200-1207.	6.0	21
11	Bioenergy production in Central America: Integration of sweet sorghum into sugar mills. Renewable and Sustainable Energy Reviews, 2013, 25, 529-542.	16.4	20
12	Simulation of particle trajectories in a vortex-induced flow: application to seed-dependent flow measurement techniques. Measurement Science and Technology, 2002, 13, 1020-1028.	2.6	17
13	Analysis and alternatives in two-dimensional multigrid particle image velocimetry methods: application of a dedicated weighting function and symmetric direct correlation. Measurement Science and Technology, 2002, 13, 963-974.	2.6	16
14	Optimization of the feeding ports location in a fluidized bed combustor based on Monte Carlo simulations of fuel particles motion. Fuel, 2015, 141, 82-92.	6.4	16
15	Adiabatic vs non-adiabatic membrane-based rectangular micro-absorbers for H2O-LiBr absorption chillers. Energy, 2017, 134, 757-766.	8.8	16
16	Simulation of object motion in a bubbling fluidized bed using a Monte Carlo method. Chemical Engineering Science, 2013, 96, 26-32.	3.8	14
17	Simulation and experimental study on the motion of non-reacting objects in the freeboard of a fluidized bed. Powder Technology, 2014, 263, 112-120.	4.2	13
18	Energy engineering curricula for sustainable development, considering underserved areas. Journal of Cleaner Production, 2020, 258, 120960.	9.3	10

#	Article	IF	Citations
19	Exergy Optimization in a Steady Moving Bed Heat Exchanger. Annals of the New York Academy of Sciences, 2009, 1161, 584-600.	3.8	7
20	Evaluation of the Maximum Evaporation Rate in Small-Scale Indirect Solar Dryers. Journal of Solar Energy Engineering, Transactions of the ASME, 2016, 138, .	1.8	6
21	Near field vortex dynamics in axially forced, laminar, co-flowing jets: a descriptive study of the flow configurations. European Journal of Mechanics, B/Fluids, 2001, 20, 673-698.	2.5	4
22	Near field vortex dynamics in axially forced, co-flowing jets: quantitative description of a low-frequency configuration. European Journal of Mechanics, B/Fluids, 2002, 21, 701-720.	2.5	3
23	Energy Poverty in Developing Regions: Strategies, Indicators, Needs, and Technological Solutions. , 2022, , 17-39.		3
24	Proposing a masterâ€™s programme on participatory integrated assessment of energy systems to promote energy access and energy efficiency in Southern Africa. International Journal of Sustainability in Higher Education, 2018, 19, 622-641.	3.1	2