JosÃ© F O Granjo

List of Publications by Year
in descending order

23 papers	400 citations	933447 10 h-index	794594 19 g-index
23 all docs	23 docs citations	23 times ranked	519 citing authors

#	Article	IF	Citations
1	Separation of ethanolâ€“water mixtures by liquidâ€“liquid extraction using phosphonium-based ionic liquids. Green Chemistry, 2011, 13, 1517.	9.0	129
2	A new microebulliometer for the measurement of the vaporâ€“liquid equilibrium of ionic liquid systems. Fluid Phase Equilibria, 2013, 354, 156-165.	2.5	44
3	Integrated production of biodiesel in a soybean biorefinery: Modeling, simulation and economical assessment. Energy, 2017, 129, 273-291.	8.8	37
4	Extraction of high value products from avocado waste biomass. Journal of Supercritical Fluids, 2020, 165, 104988.	3.2	34
5	Solubilities of hydrofluorocarbons in ionic liquids: Experimental and modelling study. Journal of Chemical Thermodynamics, 2014, 73, 36-43.	2.0	31
6	Solubility of hydrofluorocarbons in phosphonium-based ionic liquids: Experimental and modelling study. Journal of Chemical Thermodynamics, 2014, 79, 184-191.	2.0	24
7	Enhancing the autonomy of students in chemical engineering education with LABVIRTUAL platform. Education for Chemical Engineers, 2020, 31, 21-28.	4.8	20
8	A comparison of process alternatives for energy-efficient bioethanol downstream processing. Separation and Purification Technology, 2020, 238, 116414.	7.9	17
9	LABVIRTUALâ€”A platform for the teaching of chemical engineering: The use of interactive videos. Computer Applications in Engineering Education, 2018, 26, 1668-1676.	3.4	15
10	Process Simulation and Techno-Economic Analysis of the Production of Sodium Methoxide. Industrial & Engineering Chemistry Research, 2016, 55, 156-167.	3.7	14
11	Optimal exact designs of experiments via Mixed Integer Nonlinear Programming. Statistics and Computing, 2020, 30, 93-112.	1.5	11
12	Kinetic Models for the Homogeneous Alkaline and Acid Catalysis in Biodiesel Production. Computer Aided Chemical Engineering, 2009, 27, 483-488.	0.5	9
13	Systematic Development of Kinetic Models for the Glyceride Transesterification Reaction via Alkaline Catalysis. Industrial & Engineering Chemistry Research, 2018, 57, 9903-9914.	3.7	4
14	Optimal exact design of double acceptance sampling plans by attributes. Journal of Statistical Computation and Simulation, 2019, 89, 3313-3329.	1.2	3
15	A model-based framework assisting the design of vapor-liquid equilibrium experimental plans. Computers and Chemical Engineering, 2021, 145, 107168.	3.8	3
16	Optimal Design of Experiments for Implicit Models. Journal of the American Statistical Association, 2022, 117, 1424-1437.	3.1	2
17	Calculating D-optimal designs for compartmental models with a Michaelisâ€“Menten elimination rate. Journal of Process Control, 2019, 83, 88-101.	3.3	1
18	Optimal Design of Experiments for Liquidâ€“Liquid Equilibria Characterization via Semidefinite Programming. Processes, 2019, 7, 834.	2.8	1

#	Article	IF	Citations
19	Optimal design of mixture experiments for general blending models. Chemometrics and Intelligent Laboratory Systems, 2021, 217, 104400.	3.5	1
20	Reconfiguration of an Oilseed Processing Plant into a Whole-crop Biorefinery. Computer Aided Chemical Engineering, 2014, 33, 1621-1626.	0.5	0
21	Systematic Generation of Chemical Reactions and Reaction Networks subject to Energetic Constraints. Computer Aided Chemical Engineering, 2017, 40, 133-138.	0.5	0
22	Identifiability of the glyceride transesterification kinetics via alkaline catalysis. Computer Aided Chemical Engineering, 2017, , 289-294.	0.5	0
23	Analysis of Process Alternatives for Energy-Efficient Bioethanol Downstream Processing. Computer Aided Chemical Engineering, 2019, , 391-396.	0.5	0