Luciane S Ferreira

List of Publications by Year
in descending order

34	508	758635 12	713013 21
papers	citations	h-index	g-index

34	34	34	588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of period light on cultivation of microalgae consortium for the treatment of tannery wastewaters from leather finishing stage. Journal of Cleaner Production, 2020, 263, 121618.	4.6	55
2	Food waste biorefinery advocating circular economy: Bioethanol and distilled beverage from sweet potato. Journal of Cleaner Production, 2020, 268, 121788.	4.6	41
3	A growth kinetic model of Kluyveromyces marxianus cultures on cheese whey as substrate. Journal of Industrial Microbiology and Biotechnology, 2004, 31, 35-40.	1.4	38
4	Wheat flour characterization using NIR and spectral filter based on Ant Colony Optimization. Chemometrics and Intelligent Laboratory Systems, 2014, 132, 133-140.	1.8	37
5	Aspects concerning the use of biosensors for process control: experimental and simulation investigations. Computers and Chemical Engineering, 2003, 27, 1165-1173.	2.0	34
6	Modeling and Simulation of the Polymeric Nanocapsule Formation Process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2009, 42, 405-410.	0.4	31
7	Simultaneous cold hydrolysis and fermentation of fresh sweet potato. Biomass and Bioenergy, 2014, 70, 174-183.	2.9	30
8	Development of an alcohol fermentation control system based on biosensor measurements interpreted by neural networks. Sensors and Actuators B: Chemical, 2001, 75, 166-171.	4.0	28
9	Development of a quantitative approach using Raman spectroscopy for carotenoids determination in processed sweet potato. Food Chemistry, 2018, 245, 1224-1231.	4.2	27
10	Ethanol production from sweet potato: The effect of ripening, comparison of two heating methods, and cost analysis. Canadian Journal of Chemical Engineering, 2016, 94, 716-724.	0.9	20
11	Determination of the concentration of total phenolic compounds in aged cachaÃ§a using two-dimensional fluorescence and mid-infrared spectroscopy. Food Chemistry, 2020, 329, 127142.	4.2	17
12	Consortium of Microalgae for Tannery Effluent Treatment. Brazilian Archives of Biology and Technology, 0, 62, .	0.5	15
13	Analysis of experimental biosensor/FIA lactose measurements. Brazilian Journal of Chemical Engineering, 2003, 20, 07-13.	0.7	13
14	A lactose fia-biosensor system for monitoring and process control. Brazilian Journal of Chemical Engineering, 2004, 21, 307-315.	0.7	12
15	Analysis of total phenolic compounds and caffeine in teas using variable selection approach with two-dimensional fluorescence and infrared spectroscopy. Microchemical Journal, 2021, 169, 106570.	2.3	11
16	NIR pre-selection data using modified changeable size moving window partial least squares and pure spectral chemometrical modeling with ant colony optimization for wheat flour characterization. Chemometrics and Intelligent Laboratory Systems, 2015, 142, 78-86.	1.8	10
17	A SIMPLE EQUATION FOR TOTAL REDUCING SUGARS (TRS) ESTIMATION ON SWEET POTATO AND ETHANOL YIELD POTENTIAL. Brazilian Journal of Chemical Engineering, 2019, 36, 33-41.	0.7	10
18	Development of Ant Colony Optimization (ACO) Algorithms Based on Statistical Analysis and Hypothesis Testing for Variable Selection. IFAC-PapersOnLine, 2015, 48, 900-905.	0.5	9

#	Article	IF	Citations
19	Orange-Fleshed Sweet Potato Flour Obtained by Drying in Microwave and Hot Air. Journal of Food Processing and Preservation, 2017, 41, e12744.	0.9	9
20	Classification of Diesel Fuel Using Two-Dimensional Fluorescence Spectroscopy. Energy & Fuels, 2017, 31, 8942-8950.	2.5	7
21	Prediction of sulfur content in diesel fuel using fluorescence spectroscopy and a hybrid ant colony - Tabu Search algorithm with polynomial bases expansion. Chemometrics and Intelligent Laboratory Systems, 2020, 206, 104161.	1.8	7
22	A New Approach for Practical Identifiability Analysis Applied to Dynamic Phenomenological Models. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 691-696.	0.4	6
23	Evaluation of wavelength selection methods for 2D fluorescence spectra applied to bioprocesses characterization. Brazilian Journal of Chemical Engineering, 2013, 30, 289-298.	0.7	6
24	Preheating Followed by Simultaneous Viscosity Reduction, Hydrolysis, and Fermentation: Simplifying the Process of Ethanol Production from Sweet Potato. Bioenergy Research, 2019, 12, 94-102.	2.2	6
25	Continuous fast pyrolysis of rice husk in a fluidized bed reactor with high feed rates. Chemical Engineering Communications, 2021, 208, 1553-1563.	1.5	6
26	Sulfur Determination in Diesel using 2D Fluorescence Spectroscopy and Linear Models. IFAC-PapersOnLine, 2015, 48, 415-420.	0.5	5
27	MILP Formulation for Solving and Initializing MINLP Problems Applied to Retrofit and Synthesis of Hydrogen Networks. Processes, 2020, 8, 1102.	1.3	5
28	A systematic approach for flexible cost-efficient hydrogen network design for hydrogen management in refineries. Chemical Engineering Research and Design, 2021, 172, 53-70.	2.7	4
29	Fluorescence Spectroscopy as a Tool for Ethanol Fermentation On-line Monitoring. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 940-945.	0.4	3
30	Study of three drying methods in production of nutritious flours from the fermentation slurry of orangeâ€fleshed sweet potato. Journal of Food Processing and Preservation, 2020, 44, e14658.	0.9	3
31	Alternative Process for Production of Sweet Potato Distilled Beverage. Brazilian Archives of Biology and Technology, 0, 63, .	0.5	3
32	Modeling and Simulation of Nanoparticles Formation Process: A Diffusive Approach. Computer Aided Chemical Engineering, 2009, 27, 999-1004.	0.3	0
33	STATSSCANDLEPLOT: A NEW WAY OF MONITORING OPERATIONAL PERFORMANCE INDICATORS. Brazilian Journal of Chemical Engineering, 2019, 36, 393-408.	0.7	0
34	Application of linear and nonlinear mathematical programming to retrofit hydrogen networks. Brazilian Journal of Chemical Engineering, 0, , 1.	0.7	0