Lucas Bonfim-Rocha

List of Publications by Year
in descending order

21 papers	193 citations	1163117 8 h-index	1125743 13 g-index
21 all docs	21 docs citations	21 times ranked	189 citing authors

#	Article	IF	Citations
1	Multi-objective design of a new sustainable scenario for bio-methanol production in Brazil. Journal of Cleaner Production, 2018, 187, 1043-1056.	9.3	35
2	Selective extraction of polar lipids of mango kernel using Supercritical Carbon dioxide (SC–CO2) extraction: Process optimization of extract yield/phosphorous content and economic evaluation. Chemosphere, 2020, 260, 127639.	8.2	26
3	Extraction of Î³-Oryzanol from defatted rice bran using supercritical carbon dioxide (SC-CO2): Process optimisation of extract yield, scale-up and economic analysis. Chemical Engineering Research and Design, 2021, 148, 179-188.	5.6	19
4	Multi-objective optimization of an industrial ethanol distillation system for vinasse reduction â€" A case study. Journal of Cleaner Production, 2018, 183, 956-963.	9.3	18
5	Assessment of black liquor hydrothermal treatment under sub- and supercritical conditions: Products distribution and economic perspectives. Chemosphere, 2022, 286, 131774.	8.2	16
6	Development of a low-cost digital image processing system for oranges selection using hopfield networks. Food and Bioproducts Processing, 2021, 125, 181-192.	3.6	12
7	Techno-economic modeling to produce biodiesel from marine microalgae in sub-Saharan countries: An exploratory study in Guinea-Bissau. Biomass and Bioenergy, 2022, 158, 106369.	5.7	10
8	Simultaneous extraction of sunflower oil and active compounds from olive leaves using pressurized propane. Current Research in Food Science, 2022, 5, 531-544.	5.8	10
9	Dimethyl Ether Production from Sugarcane Vinasse: Modeling and Simulation for a Techno-economic Assessment. Bioenergy Research, 2020, 13, 397-410.	3.9	9
10	Production of Sodium Bicarbonate from CO2 Reuse Processes: A Brief Review. International Journal of Chemical Reactor Engineering, 2019, .	1.1	8
11	Multi-objective optimization of the Brazilian industrial sugarcane scenario: a profitable and ecological approach. Clean Technologies and Environmental Policy, 2020, 22, 591-611.	4.1	8
12	Techno-Economic assessment of Î±-Lactalbumin and Î²-Lactoglobulin fractionation from whey protein isolated solution using supercritical carbon dioxide in a continuous reactor. Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 87-96.	5.3	7
13	Techno-economic Assessment of Syngas Production from Sugarcane Vinasse Compared to the Natural Gas Route: A Biorefinery Concept. Waste and Biomass Valorization, 2021, 12, 699-710.	3.4	5
14	Integrated Analysis of an Evaporation and Distillation Bioethanol Industrial System Using Direct and Indirect Heating. Computer Aided Chemical Engineering, 2015, , 443-448.	0.5	3
15	Bi-objective optimization of a supply chain: identification of the key impact category and green management. Brazilian Journal of Chemical Engineering, 2020, 37, 157-171.	1.3	3
16	Synthesis of a New Route for Methanol Production by Syngas Arising from Sugarcane Vinasse. Computer Aided Chemical Engineering, 2017, 40, 811-816.	0.5	2
17	Multi-criteria assessment of sodium bicarbonate optimized production through CO2 utilization strategies. Journal of Cleaner Production, 2022, 349, 131419.	9.3	2
18	A New Methodology to Reduce the Exergy Loss of Distillation Columns Using Rigorous Process Simulation. Computer Aided Chemical Engineering, 2016, 38, 1003-1008.	0.5	0

#	Article	IF	Citations
19	Design of a New Sustainable Methanol Plant Coupled to an Ethanol Distillery. Computer Aided Chemical Engineering, 2017, 40, 805-810.	0.5	0
20	A new exergoeconomic optimisation methodology applied to an industrial distillation system. International Journal of Exergy, 2017, 22, 352.	0.4	0
21	Sustentabilidade na cadeia de suprimentos da alface: caso de estudo sob abordagem de acv. Brazilian Journal of Development, 2020, 6, 524-529.	0.1	0