

Lucas Bonfim-Rocha

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

193
citations

1162889

8
h-index

1125617

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. <i>Journal of Cleaner Production</i> , 2018, 187, 1043-1056.	4.6	35
2	Selective extraction of polar lipids of mango kernel using Supercritical Carbon dioxide (SC-CO ₂) extraction: Process optimization of extract yield/phosphorous content and economic evaluation. <i>Chemosphere</i> , 2020, 260, 127639.	4.2	26
3	Extraction of $\hat{1}^3$ -Oryzanol from defatted rice bran using supercritical carbon dioxide (SC-CO ₂): Process optimisation of extract yield, scale-up and economic analysis. <i>Chemical Engineering Research and Design</i> , 2021, 148, 179-188.	2.7	19
4	Multi-objective optimization of an industrial ethanol distillation system for vinasse reduction – A case study. <i>Journal of Cleaner Production</i> , 2018, 183, 956-963.	4.6	18
5	Assessment of black liquor hydrothermal treatment under sub- and supercritical conditions: Products distribution and economic perspectives. <i>Chemosphere</i> , 2022, 286, 131774.	4.2	16
6	Development of a low-cost digital image processing system for oranges selection using hopfield networks. <i>Food and Bioproducts Processing</i> , 2021, 125, 181-192.	1.8	12
7	Techno-economic modeling to produce biodiesel from marine microalgae in sub-Saharan countries: An exploratory study in Guinea-Bissau. <i>Biomass and Bioenergy</i> , 2022, 158, 106369.	2.9	10
8	Simultaneous extraction of sunflower oil and active compounds from olive leaves using pressurized propane. <i>Current Research in Food Science</i> , 2022, 5, 531-544.	2.7	10
9	Dimethyl Ether Production from Sugarcane Vinasse: Modeling and Simulation for a Techno-economic Assessment. <i>Bioenergy Research</i> , 2020, 13, 397-410.	2.2	9
10	Production of Sodium Bicarbonate from CO ₂ Reuse Processes: A Brief Review. <i>International Journal of Chemical Reactor Engineering</i> , 2019, .	0.6	8
11	Multi-objective optimization of the Brazilian industrial sugarcane scenario: a profitable and ecological approach. <i>Clean Technologies and Environmental Policy</i> , 2020, 22, 591-611.	2.1	8
12	Techno-Economic assessment of $\hat{1}^{\pm}$ -Lactalbumin and $\hat{1}^2$ -Lactoglobulin fractionation from whey protein isolated solution using supercritical carbon dioxide in a continuous reactor. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 118, 87-96.	2.7	7
13	Techno-economic Assessment of Syngas Production from Sugarcane Vinasse Compared to the Natural Gas Route: A Biorefinery Concept. <i>Waste and Biomass Valorization</i> , 2021, 12, 699-710.	1.8	5
14	Integrated Analysis of an Evaporation and Distillation Bioethanol Industrial System Using Direct and Indirect Heating. <i>Computer Aided Chemical Engineering</i> , 2015, , 443-448.	0.3	3
15	Bi-objective optimization of a supply chain: identification of the key impact category and green management. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 157-171.	0.7	3
16	Synthesis of a New Route for Methanol Production by Syngas Arising from Sugarcane Vinasse. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 811-816.	0.3	2
17	Multi-criteria assessment of sodium bicarbonate optimized production through CO ₂ utilization strategies. <i>Journal of Cleaner Production</i> , 2022, 349, 131419.	4.6	2
18	A New Methodology to Reduce the Exergy Loss of Distillation Columns Using Rigorous Process Simulation. <i>Computer Aided Chemical Engineering</i> , 2016, 38, 1003-1008.	0.3	0

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19	Design of a New Sustainable Methanol Plant Coupled to an Ethanol Distillery. Computer Aided Chemical Engineering, 2017, 40, 805-810.	0.3	0
20	A new exergoeconomic optimisation methodology applied to an industrial distillation system. International Journal of Exergy, 2017, 22, 352.	0.2	0
21	Sustentabilidade na cadeia de suprimentos da alface: caso de estudo sob abordagem de acv. Brazilian Journal of Development, 2020, 6, 524-529.	0.0	0