

Paulo Cesar Narvaz-Rincon

List of Publications by Citations

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34
papers

590
citations

15
h-index

23
g-index

38
ext. papers

708
ext. citations

5.6
avg, IF

4.33
L-index

#	Paper	IF	Citations
34	Key challenges and requirements for sustainable and industrialized biorefinery supply chain design and management: A bibliographic analysis. <i>Renewable and Sustainable Energy Reviews</i> , 2017 , 69, 350-359	16.2	91
33	Kinetics of Palm Oil Methanolysis. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2007 , 84, 971-977	1.8	52
32	Multi-criteria decision analysis for the selection of sustainable chemical process routes during early design stages. <i>Chemical Engineering Research and Design</i> , 2016 , 113, 28-49	5.5	41
31	Comparison of different reactive distillation schemes for ethyl acetate production using sustainability indicators. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015 , 96, 1-13	3.7	34
30	A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation. <i>Journal of Cleaner Production</i> , 2019 , 213, 1-20	10.3	34
29	Low-molecular-weight glycerol esters as plasticizers for poly(vinyl chloride). <i>Journal of Vinyl and Additive Technology</i> , 2014 , 20, 65-71	2	27
28	Continuous Methanolysis of Palm Oil Using a Liquid-Liquid Film Reactor. <i>JAOCS, Journal of the American Oil Chemists Society</i> , 2009 , 86, 343-352	1.8	26
27	Biodiesel production in a counter-current reactive extraction column: Modelling, parametric identification and optimisation. <i>Chemical Engineering Journal</i> , 2013 , 228, 717-723	14.7	25
26	Sustainability assessment to support governmental biodiesel policy in Colombia: A system dynamics model. <i>Journal of Cleaner Production</i> , 2017 , 141, 1145-1163	10.3	24
25	Biodiesel-triple bottom line (TBL): A new hierarchical sustainability assessment framework of principles criteria & indicators (PC&I) for biodiesel production. Part II-validation. <i>Ecological Indicators</i> , 2016 , 69, 803-817	5.8	24
24	Biodiesel-TBL+: A new hierarchical sustainability assessment framework of PC&I for biodiesel production [Part I. <i>Ecological Indicators</i> , 2016 , 60, 84-107	5.8	22
23	Physicochemical and sensory (aroma and colour) characterisation of a non-centrifugal cane sugar ("panela") beverage. <i>Food Chemistry</i> , 2017 , 228, 7-13	8.5	16
22	Pre-treatment of used cooking oils for the production of green chemicals: A review. <i>Journal of Cleaner Production</i> , 2021 , 289, 125129	10.3	16
21	Thermal and Rheological Properties of Juices and Syrups during Non-centrifugal Sugar Cane (Jaggery) Production. <i>Food and Bioproducts Processing</i> , 2020 , 121, 76-90	4.9	15
20	Kinetics of Jatropha oil methanolysis. <i>Fuel</i> , 2014 , 134, 244-249	7.1	15
19	Kinetics of palm oil ethanolysis. <i>Energy</i> , 2015 , 83, 337-342	7.9	14
18	Liquid-liquid equilibrium for biodiesel-glycerol-methanol or ethanol systems using UNIFAC correlated parameters. <i>Energy</i> , 2016 , 111, 841-849	7.9	14

17	Ethanol production by <i>Saccharomyces cerevisiae</i> using lignocellulosic hydrolysate from Chrysanthemum waste degradation. <i>World Journal of Microbiology and Biotechnology</i> , 2013 , 29, 459-66	4.4	14
16	Degradation of Chrysanthemum (<i>Dendranthema grandiflora</i>) wastes by <i>Pleurotus ostreatus</i> for the production of reducing sugars. <i>Biotechnology and Bioprocess Engineering</i> , 2012 , 17, 1103-1112	3.1	10
15	UNIFAC correlated parameters for liquid-liquid equilibrium prediction of ternary systems related to biodiesel production process. <i>Fuel</i> , 2019 , 249, 365-378	7.1	9
14	Biodiesel separation using ultrafiltration poly(ether sulfone) hollow fiber membranes: Improving biodiesel and glycerol rich phases settling. <i>Chemical Engineering Research and Design</i> , 2018 , 138, 32-42	5.5	9
13	Multiobjective optimization for the design of phase III biorefinery sustainable supply chain. <i>Journal of Cleaner Production</i> , 2019 , 223, 189-213	10.3	8
12	Challenges and opportunities in assessing sustainability during chemical process design. <i>Current Opinion in Chemical Engineering</i> , 2019 , 26, 96-103	5.4	8
11	Modeling of biodiesel production in Liquid-Liquid Film Reactors including mass transfer effects. <i>Fuel Processing Technology</i> , 2017 , 167, 524-534	7.2	8
10	Simulation and validation of biodiesel production in Liquid-Liquid Film Reactors integrated with PES hollow fibers membranes. <i>Fuel</i> , 2018 , 227, 367-378	7.1	6
9	Multicriteria optimization of production conditions for a new phthalate-free PVC plasticizer. <i>Journal of Industrial and Engineering Chemistry</i> , 2014 , 20, 1985-1992	6.3	6
8	Production of lignocellulolytic enzymes from floriculture residues using <i>Pleurotus ostreatus</i> . <i>Universitas Scientiarum</i> , 2014 , 20, 117	0.6	6
7	Methodology To Predict PVC Plasticization Using Molecular Simulation by Pairs. <i>Industrial & Engineering Chemistry Research</i> , 2013 , 52, 15094-15103	3.9	4
6	Process simulation for xylitol production from brewer's spent grain in a Colombian biorefinery. Part 1: Xylose production from arabinoxilans extracted by the alkaline pretreatment of BSG. <i>Ingeniería E Investigación</i> , 2019 , 39,	0.3	3
5	Scale-up and cost analysis of biodiesel production using liquid-liquid film reactors: Reduction in the methanol consumption and investment cost. <i>Energy</i> , 2020 , 211, 118724	7.9	3
4	Characterization and evaluation of poly(ether sulfone) membranes in biodiesel production using liquid-liquid film reactors. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016 , 108, 226-232	2.7	3
3	Efecto del hierro en el crecimiento y acumulación de lípidos en la microalga colombiana <i>Chlorella Vulgaris</i> LAUN 0019. <i>ITECKNE Innovación E Investigación En Ingeniería</i> , 2013 , 8,	0.7	2
2	Kinetic models for degumming and bleaching of phospholipids from crude palm oil using citric acid and Super Flo B80fi and Tonsilfi. <i>Food and Bioproducts Processing</i> , 2021 , 129, 75-83	4.9	0
1	Fatty acid solvent extraction from palm oil using liquid-liquid film contactor: Mathematical model including mass transfer effects. <i>Food and Bioproducts Processing</i> , 2022 , 133, 16-24	4.9	0