Paulo Csar Narvaz-Rincn

List of Publications by Year in Descending Order

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	Fatty acid solvent extraction from palm oil using liquid–liquid film contactor: Mathematical model including mass transfer effects. *Food and Bioproducts Processing*, **2022**, 133, 16-24	4.9	0
33	Pre-treatment of used cooking oils for the production of green chemicals: A review. *Journal of Cleaner Production*, **2021**, 289, 125129	10.3	16
32	Kinetic models for degumming and bleaching of phospholipids from crude palm oil using citric acid and Super Flo B80fi and Tonsilfi. *Food and Bioproducts Processing*, **2021**, 129, 75-83	4.9	0
31	Thermal and Rheological Properties of Juices and Syrups during Non-centrifugal Sugar Cane (Jaggery) Production. *Food and Bioproducts Processing*, **2020**, 121, 76-90	4.9	15
30	Scale-up and cost analysis of biodiesel production using liquid-liquid film reactors: Reduction in the methanol consumption and investment cost. *Energy*, **2020**, 211, 118724	7.9	3
29	Multiobjective optimization for the design of phase III biorefinery sustainable supply chain. *Journal of Cleaner Production*, **2019**, 223, 189-213	10.3	8
28	UNIFAC correlated parameters for liquid-liquid equilibrium prediction of ternary systems related to biodiesel production process. *Fuel*, **2019**, 249, 365-378	7.1	9
27	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. *Ingenieria E Investigacion*, **2019**, 39,	0.3	3
26	Challenges and opportunities in assessing sustainability during chemical process design. *Current Opinion in Chemical Engineering*, **2019**, 26, 96-103	5.4	8
25	A system dynamics approach for sustainability assessment of biodiesel production in Colombia. Baseline simulation. *Journal of Cleaner Production*, **2019**, 213, 1-20	10.3	34
24	Simulation and validation of biodiesel production in Liquid-Liquid Film Reactors integrated with PES hollow fibers membranes. *Fuel*, **2018**, 227, 367-378	7.1	6
23	Biodiesel separation using ultrafiltration poly(ether sulfone) hollow fiber membranes: Improving biodiesel and glycerol rich phases settling. *Chemical Engineering Research and Design*, **2018**, 138, 32-42	5.5	9
22	Physicochemical and sensory (aroma and colour) characterisation of a non-centrifugal cane sugar ("panela") beverage. *Food Chemistry*, **2017**, 228, 7-13	8.5	16
21	Modeling of biodiesel production in Liquid-Liquid Film Reactors including mass transfer effects. *Fuel Processing Technology*, **2017**, 167, 524-534	7.2	8
20	Sustainability assessment to support governmental biodiesel policy in Colombia: A system dynamics model. *Journal of Cleaner Production*, **2017**, 141, 1145-1163	10.3	24
19	Key challenges and requirements for sustainable and industrialized biorefinery supply chain design and management: A bibliographic analysis. *Renewable and Sustainable Energy Reviews*, **2017**, 69, 350-359	16.2	91
18	Biodiesel-TBL+: A new hierarchical sustainability assessment framework of PC&I for biodiesel production Part I. *Ecological Indicators*, **2016**, 60, 84-107	5.8	22

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17	Multi-criteria decision analysis for the selection of sustainable chemical process routes during early design stages. *Chemical Engineering Research and Design*, **2016**, 113, 28-49	5.5	41
16	Liquid-liquid equilibrium for biodiesel-glycerol-methanol or ethanol systems using UNIFAC correlated parameters. *Energy*, **2016**, 111, 841-849	7.9	14
15	Characterization and evaluation of poly(ether sulfone) membranes in biodiesel production using liquid□quid film reactors. *Chemical Engineering and Processing: Process Intensification*, **2016**, 108, 226-232	3.7	3
14	Biodiesel-triple bottom line (TBL): A new hierarchical sustainability assessment framework of principles criteria & indicators (PC&I) for biodiesel production. Part II-validation. *Ecological Indicators*, **2016**, 69, 803-817	5.8	24
13	Kinetics of palm oil ethanolysis. *Energy*, **2015**, 83, 337-342	7.9	14
12	Comparison of different reactive distillation schemes for ethyl acetate production using sustainability indicators. *Chemical Engineering and Processing: Process Intensification*, **2015**, 96, 1-13	3.7	34
11	Multicriteria optimization of production conditions for a new phthalate-free PVC plasticizer. *Journal of Industrial and Engineering Chemistry*, **2014**, 20, 1985-1992	6.3	6
10	Kinetics of Jatropha oil methanolysis. *Fuel*, **2014**, 134, 244-249	7.1	15
9	Low-molecular-weight glycerol esters as plasticizers for poly(vinyl chloride). *Journal of Vinyl and Additive Technology*, **2014**, 20, 65-71	2	27
8	Production of lignocellulolytic enzymes from floriculture residues using Pleurotus ostreatus. *Universitas Scientiarum*, **2014**, 20, 117	0.6	6
7	Methodology To Predict PVC Plasticization Using Molecular Simulation by Pairs. *Industrial & Engineering Chemistry Research*, **2013**, 52, 15094-15103	3.9	4
6	Ethanol production by Saccharomyces cerevisiae using lignocellulosic hydrolysate from Chrysanthemum waste degradation. *World Journal of Microbiology and Biotechnology*, **2013**, 29, 459-66	4.4	14
5	Biodiesel production in a counter-current reactive extraction column: Modelling, parametric identification and optimisation. *Chemical Engineering Journal*, **2013**, 228, 717-723	14.7	25
4	Efecto del hierro en el crecimiento y acumulaci□ de l□idos en la microalga colombiana Chlorella Vulgaris LAUN 0019. *ITECKNE Innovaci□ E Investigaci□ En Ingenier□*, **2013**, 8,	0.7	2
3	Degradation of Chrysanthemum (Dendranthema grandiflora) wastes by Pleurotus ostreatus for the production of reducing sugars. *Biotechnology and Bioprocess Engineering*, **2012**, 17, 1103-1112	3.1	10
2	Continuous Methanolysis of Palm Oil Using a Liquid□iquid Film Reactor. *JAOCS, Journal of the American Oil ChemistsoSociety*, **2009**, 86, 343-352	1.8	26
1	Kinetics of Palm Oil Methanolysis. *JAOCS, Journal of the American Oil ChemistsoSociety*, **2007**, 84, 971-977	1.8	52