HÃ©ctor HernÃ¡ndez-Escoto

List of Publications by Year
in descending order

18 papers	265 citations	1163117 8 h-index	940533 16 g-index
18 all docs	18 docs citations	18 times ranked	291 citing authors

#	Article	IF	Citations
1	Simulation study of the production of high purity ethanol using extractive distillation: Revisiting the use of inorganic salts. Chemical Engineering and Processing: Process Intensification, 2022, 170, 108670.	3.6	5
2	Comparative of alkaline hydrogen peroxide pretreatment using NaOH and Ca(OH)2 and their effects on enzymatic hydrolysis and fermentation steps. Biomass Conversion and Biorefinery, 2021, 11, 1897-1907.	4.6	22
3	Fed-batch enzymatic hydrolysis of plantain pseudostem to fermentable sugars production and the impact of particle size at high solids loadings. Biomass Conversion and Biorefinery, 2021, 11, 2975-2982.	4.6	9
4	Some insights in experimental studies on the start-up operation of a reactive dividing wall column. Chemical Engineering and Processing: Process Intensification, 2021, 159, 108211.	3.6	2
5	Sensitivity, Equilibria, and Lyapunov Stability Analysis in Droopâ€™s Nonlinear Differential Equation System for Batch Operation Mode of Microalgae Culture Systems. Mathematics, 2021, 9, 2192.	2.2	5
6	Extremum seeking control and gradient estimation based on the Super-Twisting algorithm. Journal of Process Control, 2021, 105, 223-235.	3.3	4
7	Enhancement of alkaline-oxidative delignification of wheat straw by semi-batch operation in a stirred tank reactor. Bioresource Technology, 2020, 312, 123589.	9.6	15
8	Extremum seeking control based on the super-twisting algorithm. IFAC-PapersOnLine, 2020, 53, 1621-1626.	0.9	3
9	Operability and Proportional Integral Control of Reactive Distillation Configurations. Industrial & Engineering Chemistry Research, 2019, 58, 18267-18279.	3.7	5
10	A quick and effective method for evaluating substrate-enzyme systems in the enzymatic hydrolysis of lignocellulosic biomass. Biomass Conversion and Biorefinery, 2018, 8, 437-446.	4.6	8
11	Enzymatic hydrolysis of biomass at high-solids loadings through fed-batch operation. Biomass and Bioenergy, 2018, 119, 191-197.	5.7	54
12	Conventional Proportionalâ€Integral Control of a Dividingâ€Wall Distillation Column with Discrete Measurements. Chemical Engineering and Technology, 2016, 39, 2238-2250.	1.5	8
13	Multiple Steady States in Thermally Coupled Distillation Sequences: Revisiting the Design, Energy Optimization, and Control. Industrial & Engineering Chemistry Research, 2014, 53, 17515-17521.	3.7	9
14	Process Design and Control of a Xylitol Production Reactor. Computer Aided Chemical Engineering, 2014, , 757-762.	0.5	4
15	Conventional Proportionalâ€“Integral (PI) Control of Dividing Wall Distillation Columns: Systematic Tuning. Industrial & Engineering Chemistry Research, 2012, 51, 10869-10880.	3.7	21
16	Experimental study on pressure drops in a dividing wall distillation column. Chemical Engineering and Processing: Process Intensification, 2010, 49, 177-182.	3.6	10
17	Reactive dividing wall distillation columns: Simulation and implementation in a pilot plant. Chemical Engineering and Processing: Process Intensification, 2009, 48, 250-258.	3.6	81
18	Effect of the operating conditions on the particle size distribution by the suspension polymerization process. ECORFAN Journal Bolivia, 0, , 1-12.	0.0	0