

# HÃ©ctor HernÃ¡ndez-Escoto

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2670469/publications.pdf>

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