

Victor Hugo Grisales Diaz

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

274
citations

933447
10
h-index

940533
16
g-index

21
all docs

21
docs citations

21
times ranked

346
citing authors

#	ARTICLE	IF	CITATIONS
1	Butanol production from lignocellulose by simultaneous fermentation, saccharification, and pervaporation or vacuum evaporation. <i>Bioresource Technology</i> , 2016, 218, 174-182.	9.6	44
2	Ethanol and isobutanol dehydration by heat-integrated distillation. <i>Chemical Engineering and Processing: Process Intensification</i> , 2016, 108, 117-124.	3.6	35
3	Energy efficiency of a new distillation process for isopropanol, butanol, and ethanol (IBE) dehydration. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 112, 56-61.	3.6	28
4	Energy efficiency of acetone, butanol, and ethanol (ABE) recovery by heat-integrated distillation. <i>Bioprocess and Biosystems Engineering</i> , 2018, 41, 395-405.	3.4	26
5	Insights into the dynamics and control of COVID-19 infection rates. <i>Chaos, Solitons and Fractals</i> , 2020, 138, 109937.	5.1	22
6	Techno-economic analysis of extraction-based separation systems for acetone, butanol, and ethanol recovery and purification. <i>Bioresources and Bioprocessing</i> , 2017, 4, 12.	4.2	18
7	Ethanol production using <i>Zymomonas mobilis</i> : Development of a kinetic model describing glucose and xylose co-fermentation. <i>Biomass and Bioenergy</i> , 2019, 123, 41-50.	5.7	18
8	Kinetic modelling and simulation of batch, continuous and cell-recycling fermentations for acetone-butanol-ethanol production using <i>Clostridium saccharoperbutylacetonicum</i> N1-4. <i>Biochemical Engineering Journal</i> , 2018, 137, 30-39.	3.6	14
9	Economic optimization of in situ extraction of inhibitors in acetone-ethanol-butanol (ABE) fermentation from lignocellulose. <i>Process Biochemistry</i> , 2018, 70, 1-8.	3.7	11
10	Butanol production via vacuum fermentation: An economic evaluation of operating strategies. <i>Chemical Engineering Science</i> , 2019, 195, 707-719.	3.8	10
11	On the economic optimisation of ethanol production using corn stover feedstock: A new kinetic model, a green recovery system and a de-acetylation step. <i>Energy Conversion and Management</i> , 2019, 202, 112200.	9.2	9
12	COVID-19: Mechanistic model calibration subject to active and varying non-pharmaceutical interventions. <i>Chemical Engineering Science</i> , 2021, 231, 116330.	3.8	9
13	Assessing the energy requirements for butanol production using fermentation tanks-in-series operated under vacuum. <i>Renewable Energy</i> , 2020, 160, 1253-1264.	8.9	8
14	Computational approaches to kinetic model selection. <i>Computers and Chemical Engineering</i> , 2019, 121, 618-632.	3.8	7
15	Dynamic hybrid model for ultrafiltration membrane processes. <i>Computer Aided Chemical Engineering</i> , 2017, 40, 193-198.	0.5	5
16	Multi-objective optimization of aniline and hydrogen production in a directly coupled membrane reactor. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 10483-10499.	7.1	3
17	Ultrafiltration intensification by dynamic operation: Insights from hybrid modeling. <i>Chemical Engineering and Processing: Process Intensification</i> , 2021, 169, 108618.	3.6	2
18	Stability Study of a Hybrid Reactor with Liquid-Liquid Extraction for ABE Production. <i>Computer Aided Chemical Engineering</i> , 2017, , 1105-1110.	0.5	1

#	ARTICLE	IF	CITATIONS
19	Estimación de parámetros de los equilibrios líquido-líquido ternarios entre 2-etil-1-hexanol y agua con butanol, Ácido acético y etanol usando UNIQUAC. Informacion Tecnologica (discontinued), 2020, 31, 51-58.	0.3	1