

Boeun Kim

List of Publications by Year in descending order

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papers

245
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933447

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all docs

21
docs citations

21
times ranked

213
citing authors

#	ARTICLE	IF	CITATIONS
1	Reinforcement learning based optimal control of batch processes using Monte-Carlo deep deterministic policy gradient with phase segmentation. Computers and Chemical Engineering, 2021, 144, 107133.	3.8	64
2	A model-based optimization of microalgal cultivation strategies for lipid production under photoautotrophic condition. Computers and Chemical Engineering, 2019, 121, 57-66.	3.8	28
3	Dynamic Modeling of a Fermentation Process with Ex situ Butanol Recovery (ESBR) for Continuous Biobutanol Production. Energy & Fuels, 2015, 29, 7254-7265.	5.1	26
4	A mathematical model of intracellular behavior of microalgae for predicting growth and intracellular components syntheses under nutrient-replete and -deplete conditions. Biotechnology and Bioengineering, 2018, 115, 2441-2455.	3.3	21
5	Dynamic analysis and linear model predictive control for operational flexibility of post-combustion CO2 capture processes. Computers and Chemical Engineering, 2020, 140, 106968.	3.8	18
6	Analysis and model-based optimization of a pectin extraction process. Journal of Food Engineering, 2019, 244, 159-169.	5.2	16
7	Parameter subset selection and biased estimation for a class of ill-conditioned estimation problems. Journal of Process Control, 2019, 81, 65-75.	3.3	12
8	Model-Based Optimization of Cyclic Operation of Acetone-Butanol-Ethanol (ABE) Fermentation Process with ex Situ Butanol Recovery (ESBR) for Continuous Biobutanol Production. Industrial & Engineering Chemistry Research, 2017, 56, 2071-2082.	3.7	11
9	Mean squared error criterion for model-based design of experiments with subset selection. Computers and Chemical Engineering, 2022, 159, 107667.	3.8	11
10	Mathematical Modeling of Acetone-Butanol-Ethanol Fermentation with Simultaneous Utilization of Glucose and Xylose by Recombinant Clostridium acetobutylicum. Energy & Fuels, 2019, 33, 8620-8631.	5.1	10
11	Robust Batch-to-Batch Optimization with Scenario Adaptation. Industrial & Engineering Chemistry Research, 2019, 58, 13664-13674.	3.7	10
12	Mathematical Modeling of Microalgal Internal Metabolic Behaviors under Heterotrophic Conditions and Its Application. Industrial & Engineering Chemistry Research, 2020, 59, 1631-1645.	3.7	8
13	Multi-objective optimization of operation of lignocellulosic acetone-butanol-ethanol fermentation with ex situ butanol recovery (ESBR). Computers and Chemical Engineering, 2020, 140, 106915.	3.8	3
14	Optimization of the Cyclic Operation of a Continuous Biobutanol Fermentation Process Integrated with Ex-Situ Adsorption Recovery. IFAC-PapersOnLine, 2015, 48, 1204-1209.	0.9	2
15	Dynamic Modeling of Acetone-Butanol-Ethanol Fermentation with ex Situ Butanol Recovery using Glucose/Xylose Mixtures. Industrial & Engineering Chemistry Research, 2020, 59, 2581-2592.	3.7	2
16	Robust Adaptive Control with Active Learning for Fed-Batch Process based on Approximate Dynamic Programming. IFAC-PapersOnLine, 2020, 53, 5201-5206.	0.9	2
17	Improved Parameter Estimation of Ill-Conditioned Problems. , 2018, , .		1
18	Optimal design and operation of an extractive fermentation process for continuous biobutanol production. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	On integrating the Droop model with the flux balance model for predicting metabolic shifts in microalgae growth. , 2014, , .		0
20	Open Loop Optimal Operation and Sensitivity Analysis of a Continuous Biobutanol Fermentation Process with Ex-Situ Adsorption Recovery. IFAC-PapersOnLine, 2016, 49, 925-930.	0.9	0