

Hyun-Kyu Choi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

266
citations

1040056

9
h-index

1372567

10
g-index

12
all docs

12
docs citations

12
times ranked

125
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale modeling and control of Kappa number and porosity in a batch-type pulp digester. <i>AICHE Journal</i> , 2019, 65, e16589.	3.6	41
2	Modeling and control of cell wall thickness in batch delignification. <i>Computers and Chemical Engineering</i> , 2019, 128, 512-523.	3.8	38
3	Multiscale modeling and multiobjective control of wood fiber morphology in batch pulp digester. <i>AICHE Journal</i> , 2020, 66, e16972.	3.6	38
4	Hybrid Koopman model predictive control of nonlinear systems using multiple EDMD models: An application to a batch pulp digester with feed fluctuation. <i>Control Engineering Practice</i> , 2022, 118, 104956.	5.5	35
5	Multiscale modeling and control of pulp digester under fiber-to-fiber heterogeneity. <i>Computers and Chemical Engineering</i> , 2020, 143, 107117.	3.8	30
6	Application of offset-free Koopman-based model predictive control to a batch pulp digester. <i>AICHE Journal</i> , 2021, 67, e17301.	3.6	27
7	Inferential Model Predictive Control of Continuous Pulping under Grade Transition. <i>Industrial & Engineering Chemistry Research</i> , 2021, 60, 3699-3710.	3.7	21
8	The influence of heteromultivalency on lectin-glycan binding behavior. <i>Glycobiology</i> , 2019, 29, 397-408.	2.5	17
9	Multiscale modeling and predictive control of cellulose accessibility in alkaline pretreatment for enhanced glucose yield. <i>Fuel</i> , 2020, 280, 118546.	6.4	10
10	Multiscale modeling of fiber deformation: Application to a batch pulp digester for model predictive control of fiber strength. <i>Computers and Chemical Engineering</i> , 2022, 158, 107640.	3.8	7
11	Multiscale modeling and control of fiber length in pulp digester. , 2020, , .		2
12	Multiscale modeling and model-based feedback control of pulp digester. , 2019, , .		0