

Jong Min Lee

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/188830/publications.pdf>

Version: 2024-02-01

156
papers

2,455
citations

236612

25
h-index

243296

44
g-index

156
all docs

156
docs citations

156
times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux balance analysis in the era of metabolomics. <i>Briefings in Bioinformatics</i> , 2006, 7, 140-150.	3.2	227
2	Dynamic Analysis of Integrated Signaling, Metabolic, and Regulatory Networks. <i>PLoS Computational Biology</i> , 2008, 4, e1000086.	1.5	182
3	Approximate dynamic programming-based approaches for input-output data-driven control of nonlinear processes. <i>Automatica</i> , 2005, 41, 1281-1288.	3.0	121
4	Constrained Bayesian state estimation – A comparative study and a new particle filter based approach. <i>Journal of Process Control</i> , 2010, 20, 143-157.	1.7	104
5	A pumpless multi-organ-on-a-chip (MOC) combined with a pharmacokinetic-pharmacodynamic (PK-PD) model. <i>Biotechnology and Bioengineering</i> , 2017, 114, 432-443.	1.7	100
6	Iterative learning model predictive control for constrained multivariable control of batch processes. <i>Computers and Chemical Engineering</i> , 2016, 93, 284-292.	2.0	84
7	An introduction to a dynamic plant-wide optimization strategy for an integrated plant. <i>Computers and Chemical Engineering</i> , 2004, 29, 199-208.	2.0	75
8	Multi-objective Bayesian optimization of chemical reactor design using computational fluid dynamics. <i>Computers and Chemical Engineering</i> , 2018, 119, 25-37.	2.0	62
9	Approximate dynamic programming based approach to process control and scheduling. <i>Computers and Chemical Engineering</i> , 2006, 30, 1603-1618.	2.0	58
10	Choice of approximator and design of penalty function for an approximate dynamic programming based control approach. <i>Journal of Process Control</i> , 2006, 16, 135-156.	1.7	58
11	Generalized orthogonal locality preserving projections for nonlinear fault detection and diagnosis. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2009, 96, 75-83.	1.8	58
12	Learning a data-dependent kernel function for KPCA-based nonlinear process monitoring. <i>Chemical Engineering Research and Design</i> , 2009, 87, 1471-1480.	2.7	55
13	An approximate dynamic programming based approach to dual adaptive control. <i>Journal of Process Control</i> , 2009, 19, 859-864.	1.7	47
14	Mechanistic study of glycerol dehydration on Brønsted acidic amorphous aluminosilicate. <i>Journal of Catalysis</i> , 2016, 341, 33-43.	3.1	46
15	A model-based deep reinforcement learning method applied to finite-horizon optimal control of nonlinear control-affine system. <i>Journal of Process Control</i> , 2020, 87, 166-178.	1.7	41
16	Point-to-point iterative learning model predictive control. <i>Automatica</i> , 2018, 89, 135-143.	3.0	40
17	Robust leak detection and its localization using interval estimation for water distribution network. <i>Computers and Chemical Engineering</i> , 2016, 92, 1-17.	2.0	35
18	Online Burst Detection and Location of Water Distribution Systems and Its Practical Applications. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2016, 142, .	1.3	35

#	ARTICLE	IF	CITATIONS
19	Real-time estimation of glucose concentration in algae cultivation system using Raman spectroscopy. <i>Bioresource Technology</i> , 2013, 142, 131-137.	4.8	34
20	Stochastic iterative learning control for discrete linear time-invariant system with batch-varying reference trajectories. <i>Journal of Process Control</i> , 2015, 36, 64-78.	1.7	33
21	Interfacial Adsorption and Redox Coupling of $\text{Li}_4\text{Ti}_5\text{O}_{12}$ with Nanographene for High-Rate Lithium Storage. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 16565-16572.	4.0	32
22	Simultaneously Enhancing the Stability and Catalytic Activity of Multimeric Lysine Decarboxylase CadA by Engineering Interface Regions for Enzymatic Production of Cadaverine at High Concentration of Lysine. <i>Biotechnology Journal</i> , 2017, 12, 1700278.	1.8	30
23	Simulation based strategy for nonlinear optimal control: application to a microbial cell reactor. <i>International Journal of Robust and Nonlinear Control</i> , 2003, 13, 347-363.	2.1	28
24	Dynamic modelling of mixotrophic microalgal photobioreactor systems with time-varying yield coefficient for the lipid consumption. <i>Bioresource Technology</i> , 2014, 162, 228-235.	4.8	26
25	Progress and Challenges in Control of Chemical Processes. <i>Annual Review of Chemical and Biomolecular Engineering</i> , 2014, 5, 383-404.	3.3	25
26	Bayesian method for multirate data synthesis and model calibration. <i>AIChE Journal</i> , 2011, 57, 1514-1525.	1.8	24
27	Quantitative performance analysis of graphite-LiFePO ₄ battery working at low temperature. <i>Chemical Engineering Science</i> , 2014, 118, 74-82.	1.9	24
28	Iterative Learning Control Integrated with Model Predictive Control for Real-Time Disturbance Rejection of Batch Processes. <i>Journal of Chemical Engineering of Japan</i> , 2017, 50, 415-421.	0.3	23
29	Integration of reinforcement learning and model predictive control to optimize semi-batch bioreactor. <i>AIChE Journal</i> , 2022, 68, .	1.8	21
30	Value function-based approach to the scheduling of multiple controllers. <i>Journal of Process Control</i> , 2008, 18, 533-542.	1.7	20
31	Simulation-Based Optimization of Multistage Separation Process in Offshore Oil and Gas Production Facilities. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 8810-8820.	1.8	20
32	NARX modeling for real-time optimization of air and gas compression systems in chemical processes. <i>Computers and Chemical Engineering</i> , 2018, 115, 262-274.	2.0	19
33	Modern Machine Learning Tools for Monitoring and Control of Industrial Processes: A Survey. <i>IFAC-PapersOnLine</i> , 2020, 53, 218-229.	0.5	19
34	Simulation-based learning of cost-to-go for control of nonlinear processes. <i>Korean Journal of Chemical Engineering</i> , 2004, 21, 338-344.	1.2	18
35	Extension of the Hansen solubility parameter concept to the micronization of cyclotrimethylenetrinitramine crystals by supercritical anti-solvent process. <i>Journal of Supercritical Fluids</i> , 2016, 111, 112-120.	1.6	18
36	Move blocked model predictive control with improved optimality using semi-explicit approach for applying time-varying blocking structure. <i>Journal of Process Control</i> , 2020, 92, 50-61.	1.7	18

#	ARTICLE	IF	CITATIONS
37	Optimal Design and Operating Conditions of the CO ₂ Liquefaction Process, Considering Variations in Cooling Water Temperature. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 12855-12866.	1.8	17
38	Optimization of microalgal photobioreactor system using model predictive control with experimental validation. <i>Bioprocess and Biosystems Engineering</i> , 2016, 39, 1235-1246.	1.7	16
39	Conceptual Design of an Energy-Efficient Process for Separating Aromatic Compounds from Naphtha with a High Concentration of Aromatic Compounds Using 4-Methyl-N-butylpyridinium Tetrafluoroborate Ionic Liquid. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 7273-7284.	1.8	16
40	A tighter cut generation strategy for acceleration of Benders decomposition. <i>Computers and Chemical Engineering</i> , 2012, 44, 84-93.	2.0	15
41	Application of chemical reaction engineering principles to body-on-chip systems. <i>AIChE Journal</i> , 2018, 64, 4351-4360.	1.8	15
42	Dynamic optimization of cryogenic distillation operation for hydrogen isotope separation in fusion power plant. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 24135-24148.	3.8	15
43	Stochastic Nonlinear Optimization for Robust Design of Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 3938-3946.	1.8	14
44	Backstepping control integrated with Lyapunov-based model predictive control. <i>Journal of Process Control</i> , 2019, 73, 137-146.	1.7	14
45	Design of single mixed refrigerant natural gas liquefaction process considering load variation. <i>Chemical Engineering Research and Design</i> , 2018, 139, 89-103.	2.7	13
46	Hybrid Nonlinear Model Predictive Control of LNT and Urealess SCR Aftertreatment System. <i>IEEE Transactions on Control Systems Technology</i> , 2019, 27, 2305-2313.	3.2	13
47	Automatic control of simulated moving bed process with deep Q-network. <i>Journal of Chromatography A</i> , 2021, 1647, 462073.	1.8	13
48	Physics-informed deep learning for data-driven solutions of computational fluid dynamics. <i>Korean Journal of Chemical Engineering</i> , 2022, 39, 515-528.	1.2	13
49	Model-based reinforcement learning for nonlinear optimal control with practical asymptotic stability guarantees. <i>AIChE Journal</i> , 2020, 66, e16544.	1.8	12
50	Min-max control using parametric approximate dynamic programming. <i>Control Engineering Practice</i> , 2010, 18, 190-197.	3.2	11
51	A comparative study of soft sensor design for lipid estimation of microalgal photobioreactor system with experimental validation. <i>Bioresource Technology</i> , 2015, 179, 275-283.	4.8	11
52	Bayesian Inference of Aqueous Mineral Carbonation Kinetics for Carbon Capture and Utilization. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 8246-8259.	1.8	11
53	A switching robust model predictive control approach for nonlinear systems. <i>Journal of Process Control</i> , 2013, 23, 852-860.	1.7	10
54	Multi-period energy planning model under uncertainty in market prices and demands of energy resources: A case study of Korea power system. <i>Chemical Engineering Research and Design</i> , 2016, 114, 341-358.	2.7	10

#	ARTICLE	IF	CITATIONS
55	A POMDP framework for integrated scheduling of infrastructure maintenance and inspection. Computers and Chemical Engineering, 2018, 112, 239-252.	2.0	10
56	Construction of a Valid Domain for a Hybrid Model and Its Application to Dynamic Optimization with Controlled Exploration. Industrial & Engineering Chemistry Research, 2020, 59, 16380-16395.	1.8	10
57	Move blocked model predictive control with guaranteed stability and improved optimality using linear interpolation of base sequences. International Journal of Control, 2021, 94, 3213-3225.	1.2	10
58	Modeling long-time behaviors of industrial multiphase reactors for CO ₂ capture using CFD-based compartmental model. Chemical Engineering Journal, 2020, 395, 125034.	6.6	10
59	Ensemble learning based latent variable model predictive control for batch trajectory tracking under concept drift. Computers and Chemical Engineering, 2020, 139, 106875.	2.0	10
60	Probabilistic modeling and dynamic optimization for performance improvement and risk management of plant-wide operation. Computers and Chemical Engineering, 2010, 34, 567-579.	2.0	9
61	Robust Leakage Detection and Interval Estimation of Location in Water Distribution Network. IFAC-PapersOnLine, 2015, 48, 1264-1269.	0.5	9
62	Deep reinforcement learning based finite-horizon optimal tracking control for nonlinear system. IFAC-PapersOnLine, 2018, 51, 257-262.	0.5	9
63	Convergence analysis of the deep neural networks based globalized dual heuristic programming. Automatica, 2020, 122, 109222.	3.0	9
64	Tunable lithium storage properties of metal lithium titanates by stoichiometric modulation. Electrochemistry Communications, 2016, 64, 26-29.	2.3	8
65	Diagnosis of partial blockage in water pipeline using support vector machine with fault-characteristic peaks in frequency domain. Canadian Journal of Civil Engineering, 2017, 44, 707-714.	0.7	8
66	Optimal design and operating condition of boil-off CO ₂ re-liquefaction process, considering seawater temperature variation and compressor discharge temperature limit. Chemical Engineering Research and Design, 2017, 124, 29-45.	2.7	8
67	Experimental gradient estimation of multivariable systems with correlation by various regression methods and its application to modifier adaptation. Journal of Process Control, 2018, 70, 65-79.	1.7	8
68	Rational engineering of ornithine decarboxylase with greater selectivity for ornithine over lysine through protein network analysis. Journal of Biotechnology, 2018, 281, 175-182.	1.9	8
69	Simultaneous analysis of hydrogen productivity and thermal efficiency of hydrogen production process using steam reforming via integrated process design and 3D CFD modeling. Chemical Engineering Research and Design, 2022, 178, 466-477.	2.7	8
70	Centralized and distributed hydrogen production using steam reforming: challenges and perspectives. Sustainable Energy and Fuels, 2022, 6, 1923-1939.	2.5	8
71	Learning of model-plant mismatch map via neural network modeling and its application to offset-free model predictive control. Journal of Process Control, 2022, 115, 112-122.	1.7	8
72	Optimal Design of a Gas Antisolvent Recrystallization Process of Cyclotetramethylenetetranitramine (HMX) with Particle Size Distribution Model. Industrial & Engineering Chemistry Research, 2015, 54, 11087-11096.	1.8	7

#	ARTICLE	IF	CITATIONS
73	A prioritization method for replacement of water mains using rank aggregation. Korean Journal of Chemical Engineering, 2017, 34, 2584-2590.	1.2	7
74	Data-driven fault detection for chemical processes using autoencoder with data augmentation. Korean Journal of Chemical Engineering, 2021, 38, 2406-2422.	1.2	7
75	A fault magnitude based strategy for effective fault classification. Chemical Engineering Research and Design, 2013, 91, 530-541.	2.7	6
76	Optimal Scheduling of the Maintenance and Improvement for Water Main System Using Markov Decision Process. IFAC-PapersOnLine, 2015, 48, 379-384.	0.5	6
77	Model Predictive Control (MPC)-Based Supervisory Control and Design of Off-Gas Recovery Plant with Periodic Disturbances from Parallel Batch Reactors. Industrial & Engineering Chemistry Research, 2016, 55, 3013-3025.	1.8	6
78	Transition Model for Simulated Moving Bed Under Nonideal Conditions. Industrial & Engineering Chemistry Research, 2019, 58, 21625-21640.	1.8	6
79	Efficient online model-based design of experiments via parameter subset selection for batch dynamical systems. Computers and Chemical Engineering, 2019, 121, 646-653.	2.0	6
80	Ranking-Based Parameter Subset Selection for Nonlinear Dynamics with Stochastic Disturbances under Limited Data. Industrial & Engineering Chemistry Research, 2020, 59, 21854-21868.	1.8	6
81	Multirate moving horizon estimation combined with parameter subset selection. Computers and Chemical Engineering, 2021, 147, 107253.	2.0	6
82	Development of 3D CFD model of compact steam methane reforming process for standalone applications. Korean Journal of Chemical Engineering, 2022, 39, 1182-1193.	1.2	6
83	An iterative optimization approach to design of control Lyapunov function. Journal of Process Control, 2012, 22, 145-155.	1.7	5
84	Batch-Wise Nonlinear Model Predictive Control of a Gas Antisolvent Recrystallization Process for the Uniform Production of Micronized HMX with Carbon Dioxide as the Antisolvent. Industrial & Engineering Chemistry Research, 2015, 54, 11894-11902.	1.8	5
85	Dynamic matrix control applied on propane-mixed refrigerant liquefaction process. Korean Journal of Chemical Engineering, 2017, 34, 287-297.	1.2	5
86	A two-way coupled CFD-DQMOM approach for long-term dynamic simulation of a fluidized bed reactor. Korean Journal of Chemical Engineering, 2021, 38, 342-353.	1.2	5
87	Clustered Manifold Approximation and Projection for Semisupervised Fault Diagnosis and Process Monitoring. Industrial & Engineering Chemistry Research, 2021, 60, 9521-9531.	1.8	5
88	Real-time synchronization with expected distribution of synchronized index for on-line monitoring of uneven multiphase batch process. Computers and Chemical Engineering, 2021, 154, 107490.	2.0	5
89	Data-driven offset-free multilinear model predictive control using constrained differential dynamic programming. Journal of Process Control, 2021, 107, 1-16.	1.7	5
90	Predicting concentrations of a mixture in bioreactor for on-line monitoring using Raman spectroscopy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 822-827.	0.4	4

#	ARTICLE	IF	CITATIONS
91	Dynamic modelling and sensitivity analysis integrated LNT-pSCR system. IFAC-PapersOnLine, 2016, 49, 326-331.	0.5	4
92	A semi-analytical method for determining the optimal stripper pressure in CO ₂ capture and liquefaction using monoethanolamine (MEA). International Journal of Greenhouse Gas Control, 2016, 46, 271-281.	2.3	4
93	Dynamic optimization of maintenance and improvement planning for water main system: Periodic replacement approach. Korean Journal of Chemical Engineering, 2016, 33, 25-32.	1.2	4
94	Optimization of compression ratio in closed-loop CO ₂ liquefaction process. Korean Journal of Chemical Engineering, 2018, 35, 2150-2156.	1.2	4
95	Stochastic Iterative Learning Model Predictive Control based on Stochastic Approximation. IFAC-PapersOnLine, 2019, 52, 604-609.	0.5	4
96	Closed-loop Subspace Identification of Dual-rate Non-uniformly Sampled System under MPC with Zone Control. International Journal of Control, Automation and Systems, 2020, 18, 2002-2011.	1.6	4
97	Idle speed control with low-complexity offset-free explicit model predictive control in presence of system delay. Control Engineering Practice, 2022, 119, 104990.	3.2	4
98	Multi-strategy control to extend the feasibility region for robust model predictive control. Journal of Process Control, 2022, 116, 25-33.	1.7	4
99	A switching control strategy for nonlinear systems under uncertainty. , 2013, , .		3
100	Integrating Flux Balance Analysis into Microalgae Growth Kinetics for Dynamic Simulation. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 295-300.	0.4	3
101	Operational strategy of pre-cooling process of CO ₂ storage tank in CCS ship transportation using model-based optimization. Chemical Engineering Research and Design, 2016, 109, 770-779.	2.7	3
102	Consensus algorithm-based approach to fundamental modeling of water pipe networks. AIChE Journal, 2017, 63, 3860-3870.	1.8	3
103	Modeling of the polymerization of linear monomers in the presence of multifunctional units. Polymer, 2017, 126, 74-86.	1.8	3
104	Sponge-Like Li ₄ Ti ₅ O ₁₂ Constructed on Graphene for High Li Electroactivities. Journal of Nanoscience and Nanotechnology, 2017, 17, 588-593.	0.9	3
105	Modeling, simulation and structural analysis of a fluid catalytic cracking (FCC) process. Korean Journal of Chemical Engineering, 2018, 35, 2327-2335.	1.2	3
106	Design study of a cryogenic distillation column for hydrogen isotope separation system. Fusion Engineering and Design, 2021, 172, 112736.	1.0	3
107	Sensitivity Analysis with Optimal Input Design and Model Predictive Control for Microalgal Bioreactor Systems. Korean Chemical Engineering Research, 2013, 51, 87-92.	0.2	3
108	Application of Digital Twin to Monitor and Optimize Utility Process. , 2021, , .		3

#	ARTICLE	IF	CITATIONS
109	Simulation-Based Dual Mode Controller for Nonlinear Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2004, 37, 209-214.	0.4	2
110	Model based fault tolerant control using the marginalized likelihood ratio test. , 2010, , .		2
111	An Advanced Group Contribution Method for High-Dimensional, Sparse Data Sets. Molecular Informatics, 2012, 31, 41-52.	1.4	2
112	Iterative learning control algorithm for a class of discrete LTI system with batch-varying reference trajectories. , 2014, , .		2
113	Robust parameter estimation for physiologically based pharmacokinetic model of Tegafur with dissolution dynamics. Chemical Engineering Research and Design, 2015, 104, 730-739.	2.7	2
114	Computationally efficient dynamic simulation of cellular kinetics via explicit solution of flux balance analysis: xDFBA modelling and its biochemical process applications. Chemical Engineering Research and Design, 2016, 113, 85-95.	2.7	2
115	Multiobjective Optimal Design of a Lean NO _x Trap and Urealess Selective Catalytic Reduction Aftertreatment System under a Control Algorithm. Industrial & Engineering Chemistry Research, 2018, 57, 16772-16781.	1.8	2
116	Bayesian Optimization of Semicontinuous Carbonation Process Operation Recipe. Industrial & Engineering Chemistry Research, 2021, 60, 9871-9884.	1.8	2
117	Droplet-Based Evaporative System for the Estimation of Protein Crystallization Kinetics. Crystal Growth and Design, 2021, 21, 6064-6075.	1.4	2
118	A Fault Magnitude-Based Strategy for Effective Fault Diagnosis and Isolation. Journal of Chemical Engineering of Japan, 2015, 48, 44-51.	0.3	2
119	Molecular weight distribution modeling of LDPE in a continuous stirred-tank reactor using coupled deterministic and stochastic approach. Korean Journal of Chemical Engineering, 2022, 39, 798-810.	1.2	2
120	On interfacing model predictive controllers with a real-time optimizer. Computer Aided Chemical Engineering, 2003, , 910-915.	0.3	1
121	APPROXIMATE DYNAMIC PROGRAMMING STRATEGY FOR DUAL ADAPTIVE CONTROL. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 459-464.	0.4	1
122	Dynamic Simulation and Optimization of Population Balance Model for Gas Anti-solvent Recrystallization Process. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 245-249.	0.4	1
123	Optimal Design of HMX recrystallization process using supercritical carbon dioxide as antisolvent. Computer Aided Chemical Engineering, 2012, 31, 135-139.	0.3	1
124	Sample-based approaches to decision making problems under uncertainty. Canadian Journal of Chemical Engineering, 2012, 90, 385-395.	0.9	1
125	Optimization of Microalgal Bioreactor Oil Production via Run-to-run Control. Computer Aided Chemical Engineering, 2014, , 1759-1764.	0.3	1
126	Simulation and Optimization of an Integrated CO ₂ Capture and Storage System. Computer Aided Chemical Engineering, 2014, , 1753-1758.	0.3	1

#	ARTICLE	IF	CITATIONS
127	Deep Reinforcement Learning Based Finite-Horizon Optimal Control for a Discrete-Time Affine Nonlinear System. , 2018, , .		1
128	Reinforced Genetic Algorithm using Clustering based on Statistical Estimation. IFAC-PapersOnLine, 2018, 51, 287-291.	0.5	1
129	Application of Dividing Wall Column in Silane Off-Gas Recovery Process: Optimal Design and Control. Journal of Chemical Engineering of Japan, 2018, 51, 253-263.	0.3	1
130	Successive complementary model-based experimental designs for parameter estimation of fed-batch bioreactors. Bioprocess and Biosystems Engineering, 2018, 41, 1767-1777.	1.7	1
131	Modeling and stochastic dynamic optimization for optimal energy resource allocation. Computer Aided Chemical Engineering, 2012, 31, 765-769.	0.3	1
132	Applying Digital Application Platform to Optimize Steam Methane Reforming Process. , 2021, , .		1
133	Safety distance analysis to prevent pipeline chain accidents. Korean Journal of Chemical Engineering, 0, , 1.	1.2	1
134	EMPIRICAL RESULTS ON CONVERGENCE AND EXPLORATION IN APPROXIMATE POLICY ITERATION. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2005, 38, 544-549.	0.4	0
135	Simulation-Based Design of Dual-Mode Controller for Non-Linear Processes. Canadian Journal of Chemical Engineering, 2007, 85, 506-511.	0.9	0
136	Parametric Approximation of Piecewise Quadratic Value Functions for the Control of Complex Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2008, 41, 3252-3257.	0.4	0
137	Probabilistic Modelling and Stochastic Dynamic Optimization for Managing Abnormal Situations in Plant-Wide Operations. Computer Aided Chemical Engineering, 2009, , 1287-1292.	0.3	0
138	Chapter 17 Nonlinear Dynamical Analysis and Optimization for Biological/Biomedical Systems. Methods in Enzymology, 2009, 467, 435-459.	0.4	0
139	Sensitivity analysis with optimal input design and model predictive control for microalgal bioreactor systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 673-678.	0.4	0
140	Design of Experiments and Sensitivity Analysis for Microalgal Bioreactor Systems. Computer Aided Chemical Engineering, 2012, , 722-726.	0.3	0
141	Parameter Estimation for Physiologically Based Pharmacokinetics Model Using Bayesian Inference. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2013, 46, 637-642.	0.4	0
142	Soft sensor design with state estimator for lipid estimation of microalgal photobioreactor system. , 2014, , .		0
143	Design and control of the off-gas recovery plant with periodic disturbances (ICCAS 2015). , 2015, , .		0
144	A Sequential Method for Determining Optimal Stripper Pressure and Terminal Pressure in CO2 Capture and Liquefaction Process Using MEA. IFAC-PapersOnLine, 2016, 49, 657-662.	0.5	0

#	ARTICLE	IF	CITATIONS
145	Fundamental Modeling and Experimental Investigation of Polymer Washing Process**This research is supported by Basic research and optimization of polymer washing process after condensation reaction™, funded by the LG CHEM.. IFAC-PapersOnLine, 2016, 49, 320-325.	0.5	0
146	Closed-loop multi-rate identification with zone-MPC using constrained subspace method. , 2017, , .		0
147	On-line approximated just-in-time model predictive control for batch trajectory tracking. , 2017, , .		0
148	Empirical model based control of nonlinear processes using approximate dynamic programming. , 2004, , .		0
149	Optimal planning of energy management system under demand uncertainty. Computer Aided Chemical Engineering, 2012, 30, 347-351.	0.3	0
150	Modeling and Simulation of Ship Transport of CO2. Computer Aided Chemical Engineering, 2012, 31, 785-789.	0.3	0
151	Training Simulator Using Virtual Reality For Postural Balance Rehabilitation. Journal of Korean Society of Medical Informatics, 1998, 4, 123.	0.3	0
152	Nonlinear Modeling and Application of PI Control on Pre-cooling Session of a Carbon Dioxide Storage Tank at Normal Temperature and Pressure. Korean Chemical Engineering Research, 2014, 52, 574-580.	0.2	0
153	Fundamental Modeling and Experimental Investigation of a Polymer Washing Batch Process. Journal of Chemical Engineering of Japan, 2016, 49, 785-792.	0.3	0
154	Digital application of bioreactor monitoring. , 2021, , .		0
155	Data-driven model predictive control design for offset-free tracking of nonlinear systems. International Journal of Control, 0, , 1-16.	1.2	0
156	Online Synchronization in Latent Variable Model Predictive Control for Trajectory Tracking of an Uneven Batch Process. Industrial & Engineering Chemistry Research, 2022, 61, 594-604.	1.8	0