Lingjian Ye

List of Publications by Year
in descending order

29 papers	437 citations	687363 13 h-index	752698 20 g-index
29 all docs	29 docs citations	29 times ranked	195 citing authors

#	Article	IF	Citations
1	Approximating Necessary Conditions of Optimality as Controlled Variables. Industrial & Engineering Chemistry Research, 2013, 52, 798-808.	3.7	52
2	Quality-Driven Regularization for Deep Learning Networks and Its Application to Industrial Soft Sensors. IEEE Transactions on Neural Networks and Learning Systems, 2024, PP, 1-11.	11.3	42
3	Global Approximation of Self-Optimizing Controlled Variables with Average Loss Minimization. Industrial & Engineering Chemistry Research, 2015, 54, 12040-12053.	3.7	39
4	Quality Variable Prediction for Nonlinear Dynamic Industrial Processes Based on Temporal Convolutional Networks. IEEE Sensors Journal, 2021, 21, 20493-20503.	4.7	30
5	A Novel Hierarchical Control Structure with Controlled Variable Adaptation. Industrial & Engineering Chemistry Research, 2014, 53, 14695-14711.	3.7	24
6	A SIA-LSTM based virtual metrology for quality variables in irregular sampled time sequence of industrial processes. Chemical Engineering Science, 2022, 249, 117299.	3.8	22
7	Real-Time Optimization of Gold Cyanidation Leaching Process in a Two-Layer Control Architecture Integrating Self-Optimizing Control and Modifier Adaptation. Industrial & Engineering Chemistry Research, 2017, 56, 4002-4016.	3.7	18
8	Economic operation of a fluid catalytic cracking process using self-optimizing control and reconfiguration. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 104-113.	5.3	18
9	LSTM Soft Sensor Development of Batch Processes With Multivariate Trajectory-Based Ensemble Just-in-Time Learning. IEEE Access, 2020, 8, 73855-73864.	4.2	17
10	Dynamic Process Monitoring Based on Variational Bayesian Canonical Variate Analysis. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 2412-2422.	9.3	17
11	Accelerated Kernel Canonical Correlation Analysis with Fault Relevance for Nonlinear Process Fault Isolation. Industrial & Engineering Chemistry Research, 2019, 58, 18280-18291.	3.7	16
12	Deep Learning for Data Modeling of Multirate Quality Variables in Industrial Processes. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	4.7	15
13	Online Adaptive Modeling Framework for Deep Belief Network-Based Quality Prediction in Industrial Processes. Industrial & Engineering Chemistry Research, 2021, 60, 15208-15218.	3.7	15
14	Runâ€toâ€run optimization of batch processes with selfâ€optimizing control strategy. Canadian Journal of Chemical Engineering, 2017, 95, 724-736.	1.7	13
15	Improved Mahalanobis Distance Based JITL-LSTM Soft Sensor for Multiphase Batch Processes. IEEE Access, 2021, 9, 72172-72182.	4.2	12
16	Dynamic self-optimizing control for unconstrained batch processes. Computers and Chemical Engineering, 2018, 117, 451-468.	3.8	11
17	Estimation-Based Quadratic Iterative Learning Control for Trajectory Tracking of Robotic Manipulator With Uncertain Parameters. IEEE Access, 2020, 8, 43122-43133.	4.2	11
18	Retrofit Self-Optimizing Control: A Step Forward Toward Real Implementation. IEEE Transactions on Industrial Electronics, 2017, 64, 4662-4670.	7.9	10

#	Article	IF	Citations
19	Nonlinear Dynamic Soft Sensor Development with a Supervised Hybrid CNN-LSTM Network for Industrial Processes. ACS Omega, 2022, 7, 16653-16664.	3.5	10
20	Global Self-Optimizing Control for Uncertain Constrained Process Systems * *The author L. Ye gratefully acknowledge the National Natural Science Foundation of China (NSFC) (61673349, 61304081), Ningbo Natural Science Foundation (2015A610151) and China Scholarship Council (No. 201508330751). IFAC-PapersOnLine, 2017, 50, 4672-4677.	0.9	9
21	Global self-optimizing control with active-set changes: A polynomial chaos approach. Computers and Chemical Engineering, 2022, 159, 107662.	3.8	8
22	Fault Classification of Industrial Processes based on Generalized Zero-Shot Learning. , 2021, , .		7
23	An active approach to space-reduced NCO tracking and output feedback optimizing control for batch processes with parametric uncertainty. Journal of Process Control, 2020, 89, 30-44.	3.3	6
24	Quality-Relevant Monitoring of Batch Processes Based on Stochastic Programming with Multiple Output Modes. Processes, 2020, 8, 164.	2.8	5
25	Design of hybrid batch-to-batch and within-batch self-optimizing control structures for batch processes. Journal of Process Control, 2022, 113, 1-17.	3.3	5
26	On an Aspect of Implementing Real-Time Optimization: Establishing the Suspending and Activating Conditions Incorporating Process Monitoring. IFAC-PapersOnLine, 2018, 51, 79-84.	0.9	3
27	A Non-optimality Detection Technique for Continuous Processes. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2014, 47, 7616-7621.	0.4	1
28	Online local modeling and prediction of batch process trajectories using just-in-time learning and LSTM neural network. Journal of Computational Methods in Sciences and Engineering, 2020, 20, 715-726.	0.2	1
29	Feedback Control Based Optimization of Batch Processes in the Reduced Space. , 2020, , .		0