Huiyuan Shi

List of Publications by Year
in descending order

19 papers	161 citations	1478505 6 h-index	1199594 12 g-index
20 all docs	20 docs citations	20 times ranked	74 citing authors

#	Article	IF	Citations
1	Robust constrained model predictive fault-tolerant control for industrial processes with partial actuator failures and interval time-varying delays. Journal of Process Control, 2019, 75, 187-203.	3.3	35
2	Nonlinear Adaptive Predictive Functional Control Based on the Takagi–Sugeno Model for Average Cracking Outlet Temperature of the Ethylene Cracking Furnace. Industrial & Engineering Chemistry Research, 2015, 54, 1849-1860.	3.7	31
3	Robust Fuzzy Predictive Control For Discrete-Time Systems with Interval Time-varying Delays and Unknown Disturbances. IEEE Transactions on Fuzzy Systems, 2019, , 1-1.	9.8	17
4	Delay-Range-Dependent Robust Constrained Model Predictive Control for Industrial Processes with Uncertainties and Unknown Disturbances. Complexity, 2019, 2019, 1-15.	1.6	13
5	Novel data-driven two-dimensional Q-learning for optimal tracking control of batch process with unknown dynamics. ISA Transactions, 2022, 125, 10-21.	5.7	13
6	Robust Model Predictive Control for Multi-phase Batch Processes with Asynchronous Switching. International Journal of Control, Automation and Systems, 2022, 20, 84-98.	2.7	11
7	Advanced Control in a Delayed Coking Furnace. Measurement and Control, 2015, 48, 54-59.	1.8	7
8	Multivariable non-minimum state space model predictive control based on disturbance observer. ISA Transactions, 2020, 102, 23-32.	5.7	6
9	Novel two-dimensional off-policy Q-learning method for output feedback optimal tracking control of batch process with unknown dynamics. Journal of Process Control, 2022, 113, 29-41.	3.3	5
10	Robust Predictive Fault-Tolerant Control for Multi-Phase Batch Processes With Interval Time-Varying Delay. IEEE Access, 2019, 7, 131148-131162.	4.2	4
11	Fuzzy Predictive Fault-Tolerant Control for Time-Delay Nonlinear Systems with Partial Actuator Failures. Complexity, 2019, 2019, 1-20.	1.6	4
12	Robust asynchronous switching predictive control for multi-phase batch processes with time-varying tracking trajectory and delay. International Journal of Control, 2023, 96, 645-668.	1.9	4
13	Robust model predictive control for uncertain systems with nonlinear disturbance and state-delay. , 2017, , .		3
14	Improved predictive functional control for ethylene cracking furnace. Measurement and Control, 2019, 52, 526-539.	1.8	3
15	A hybrid control approach for the cracking outlet temperature system of ethylene cracking furnace. Soft Computing, 2020, 24, 12375-12390.	3.6	2
16	Robust Asynchronous Switching Fault-Tolerant Control for Multi-Phase Batch Processes With Time-Varying Delay. IEEE Access, 2021, 9, 69365-69381.	4.2	1
17	Probability-Based Robust Stochastic Predictive Fault-Tolerant Control for Industrial Processes With Actuator Failures and Interval Time-Varying Delays. IEEE Access, 2021, 9, 61901-61916.	4.2	1
18	Improved model-free H∞ control for batch processes via off-policy 2D game Q-learning. International Journal of Control, 2023, 96, 2447-2463.	1.9	1

#	Article	IF	Citations
19	Modeling method of FCCU Main Fractionator Based on Hybrid Optimization Algorithm. , 2020, , .		0