Fei Chu

List of Publications by Year
in descending order

35 papers	338 citations	1040056 9 h-index	839539 18 g-index
35 all docs	35 docs citations	35 times ranked	322 citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated operation optimization strategy for batch process based on process transfer model under disturbance. Canadian Journal of Chemical Engineering, 2023, 101, 368-379.	1.7	2
2	Data-Driven Robust Optimization Based on Principle Component Analysis and Cutting Plane Methods. Industrial & Engineering Chemistry Research, 2022, 61, 2167-2182.	3.7	5
3	Frequency-Domain Energy-Concentrated Synchrosqueezing Transform for Frequency-Varying Signal With Linear Group Delay. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-15.	4.7	4
4	A Multiprocess Joint Modeling Method for Performance Prediction of Nonlinear Industrial Processes Based on Multitask Least Squares Support Vector Machine. Industrial & Engineering Chemistry Research, 2022, 61, 1443-1452.	3.7	4
5	A process transfer model-based optimal compensation control strategy for batch process using just-in-time learning and trust region method. Journal of the Franklin Institute, 2021, 358, 606-632.	3.4	6
6	Transfer learning for nonlinear batch process operation optimization. Journal of Process Control, 2021, 101, 11-23.	3.3	11
7	Operating Performance Assessment of Plant-Wide Processes Based on Hierarchical Multiblock Performance-Relevant Kernel Independent Component Analysis. , 2021, , .		0
8	Data Cleaning for Wind Turbine Systems Based on Iterative learning and Neural Network. , 2021, , .		1
9	A safe control scheme for the dense medium coal separation process based on Bayesian network and Active Learning. , 2021, , .		1
10	Weighted Broad Learning System and Its Application in Nonlinear Industrial Process Modeling. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3017-3031.	11.3	67
11	A Minimum-Cost Modeling Method for Nonlinear Industrial Process Based on Multimodel Migration and Bayesian Model Averaging Method. IEEE Transactions on Automation Science and Engineering, 2020, 17, 947-956.	5.2	3
12	Least Angle Regression Adaptive Incremental Broad Learning System. , 2020, , .		0
13	Soft Sensor Model Development for Cobalt Oxalate Synthesis Process Based on Adaptive Gaussian Mixture Regression. IEEE Access, 2019, 7, 118749-118763.	4.2	5
14	Transfer learning for batch process optimal control using LV-PTM and adaptive control strategy. Journal of Process Control, 2019, 81, 197-208.	3.3	19
15	Hierarchical batch-to-batch optimization of cobalt oxalate synthesis process based on data-driven model. Chemical Engineering Research and Design, 2019, 144, 185-197.	5.6	7
16	Modeling Method for Performance Prediction of Centrifugal Compressor Based on Broad Learning System. , 2019, , .		3
17	Random-Matrix Regularized Discriminant Analysis of High-Dimensional Dataset. , 2018, , .		0
18	A dual modifier adaptation optimization strategy based on process transfer model for new batch process. IFAC-PapersOnLine, 2018, 51, 791-796.	0.9	3

#	Article	IF	Citations
19	Final quality prediction method for new batch processes based on improved JYKPLS process transfer model. Chemometrics and Intelligent Laboratory Systems, 2018, 183, 1-10.	3.5	25
20	Improved fast model migration method for centrifugal compressor based on bayesian algorithm and Gaussian process model. Science China Technological Sciences, 2018, 61, 1950-1958.	4.0	7
21	A new domain adaption algorithm based on weights adaption from the source domain. IEEJ Transactions on Electrical and Electronic Engineering, 2018, 13, 1769-1776.	1.4	7
22	Robust Regularized Random Vector Functional Link Network and Its Industrial Application. IEEE Access, 2017, 5, 16162-16172.	4.2	25
23	Software platform for optimal setting control of complex industrial processes. , 2017, , .		0
24	Rapid Modeling Method for Performance Prediction of Centrifugal Compressor Based on Model Migration and SVM. IEEE Access, 2017, 5, 21488-21496.	4.2	8
25	Configurable Platform for Optimal-Setting Control of Grinding Processes. IEEE Access, 2017, 5, 26722-26733.	4.2	8
26	Prediction of CCPP output based on improved fuzzy analytical hierarchy process. , 2017, , .		0
27	Latent variable techniques based operating performance assessment for the dense medium coal preparation process. , 2016, , .		3
28	Adaptive Fuzzy Output-Feedback Tracking Control for a Class of Switched Stochastic Nonlinear Time-Delay Systems. Circuits, Systems, and Signal Processing, 2016, 35, 2762-2788.	2.0	28
29	Simple calculation method for the thermodynamic properties of byproduct coal-gas fired by CCGT &#x2014; A case study. , 2015, , .		1
30	Novel robust approach for constructing Mamdani-type fuzzy system based on PRM and subtractive clustering algorithm. Journal of Central South University, 2015, 22, 2620-2628.	3.0	5
31	A hybrid artificial network–mechanistic model for centrifugal compressor. Neural Computing and Applications, 2014, 24, 1259-1268.	5.6	13
32	Soft sensor for cobalt oxalate synthesis process in cobalt hydrometallurgy based on hybrid model. Neural Computing and Applications, 2013, 23, 1465-1472.	5.6	8
33	A kernel partial least squares method for gas turbine power plant performance prediction. , 2012, , .		4
34	A model for parameter estimation of multistage centrifugal compressor and compressor performance analysis using genetic algorithm. Science China Technological Sciences, 2012, 55, 3163-3175.	4.0	17
35	Performance modeling of centrifugal compressor using kernel partial least squares. Applied Thermal Engineering, 2012, 44, 90-99.	6.0	38