Le Zhou

List of Publications by Year
in descending order

27 papers	490 citations	933447 10 h-index	713466 21 g-index
27 all docs	27 docs citations	27 times ranked	338 citing authors

#	Article	IF	Citations
1	Multimode Process Monitoring Based on Switching Autoregressive Dynamic Latent Variable Model. IEEE Transactions on Industrial Electronics, 2018, 65, 8184-8194.	7.9	87
2	Autoregressive Dynamic Latent Variable Models for Process Monitoring. IEEE Transactions on Control Systems Technology, 2017, 25, 366-373.	5.2	79
3	Large-scale plant-wide process modeling and hierarchical monitoring: A distributed Bayesian network approach. Journal of Process Control, 2018, 65, 91-106.	3.3	73
4	Semi-supervised PLVR models for process monitoring with unequal sample sizes of process variables and quality variables. Journal of Process Control, 2015, 26, 1-16.	3.3	42
5	Multirate Factor Analysis Models for Fault Detection in Multirate Processes. IEEE Transactions on Industrial Informatics, 2019, 15, 4076-4085.	11.3	39
6	Multirate Dynamic Process Monitoring Based on Multirate Linear Gaussian State-Space Model. IEEE Transactions on Automation Science and Engineering, 2019, 16, 1708-1719.	5.2	29
7	Dynamic mutual information similarity based transient process identification and fault detection. Canadian Journal of Chemical Engineering, 2018, 96, 1541-1558.	1.7	20
8	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
9	Multiple probability principal component analysis for process monitoring with multi-rate measurements. Journal of the Taiwan Institute of Chemical Engineers, 2019, 96, 18-28.	5.3	15
10	Kernel Generalization of Multi-Rate Probabilistic Principal Component Analysis for Fault Detection in Nonlinear Process. IEEE/CAA Journal of Automatica Sinica, 2021, 8, 1465-1476.	13.1	14
11	A multi-scale prediction model based on empirical mode decomposition and chaos theory for industrial melt index prediction. Chemometrics and Intelligent Laboratory Systems, 2019, 186, 23-32.	3.5	13
12	Soft Sensor Development Based on Quality-Relevant Slow Feature Analysis and Bayesian Regression with Application to Propylene Polymerization. Journal of Sensors, 2021, 2021, 1-10.	1.1	13
13	Multi-rate principal component regression model for soft sensor application in industrial processes. Science China Information Sciences, 2020, 63, 1.	4.3	10
14	Novel poly(2-oxazoline)s with pendant <scp>l</scp>-prolinamide moieties as efficient organocatalysts for direct asymmetric aldol reaction. Catalysis Science and Technology, 2016, 6, 6739-6749.	4.1	9
15	Multiple Fault Detection Using Multi-rate Probability Principal Component Analysis Models. IFAC-PapersOnLine, 2017, 50, 14752-14757.	0.9	7
16	Defect Detection in Composite Products Based on Sparse Moving Window Principal Component Thermography. Advances in Polymer Technology, 2020, 2020, 1-12.	1.7	7
17	Nondestructive detection and analysis based on data enhanced thermography. Measurement Science and Technology, 2022, 33, 064006.	2.6	5
18	Prediction and Uncertainty Propagation for Completion Time of Batch Processes Based on Data-Driven Modeling. Industrial & Engineering Chemistry Research, 2020, 59, 14374-14384.	3.7	4

#	Article	IF	Citations
19	Sparse Structural Principal Component Thermography for Defect Signal Enhancement in Subsurface Defects Detection of Composite Materials. Journal of Nondestructive Evaluation, 2022, 41, 1.	2.4	3
20	A Novel Dynamic Baysian Canonical Correlation Analysis Method for Fault Detection. IFAC-PapersOnLine, 2020, 53, 13707-13712.	0.9	2
21	Segmenting the Semi-Conductive Shielding Layer of Cable Slice Images Using the Convolutional Neural Network. Polymers, 2020, 12, 2085.	4.5	1
22	Difference of Gaussian Convolutional Sparse Principal Component Thermography for Defect Signal Enhance in Composite Materials. , 2021, , .		1
23	Switching autoregressive dynamic latent variable model for fault detection in multimode processes. , 2017, , .		0
24	Dynamic Processes Modeling and Monitoring based on a Novel Dynamic Latent Variable Model. , 2019, , .		0
25	Data-Driven Predictive Model Based on Locally Weighted Bayesian Gaussian Regression. , 2019, , .		0
26	Enhanced Fault Detection Using Deviation Degree Penalty with Stacked Autoencoder in Industry Process. , 2020, , .		0
27	Supervised Dynamic Latent Variable Models for Fault Identification in Dynamic Processes. , 2021, , .		0