

Jiusun Zeng

List of Publications by Year in descending order

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papers

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687363

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all docs

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41
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Detecting abnormal situations using the Kullback-Leibler divergence. <i>Automatica</i> , 2014, 50, 2777-2786.	5.0	91
2	Novel Just-In-Time Learning-Based Soft Sensor Utilizing Non-Gaussian Information. <i>IEEE Transactions on Control Systems Technology</i> , 2014, 22, 360-368.	5.2	64
3	Structured Joint Sparse Principal Component Analysis for Fault Detection and Isolation. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2721-2731.	11.3	51
4	Fault detection in dynamic systems using the Kullback-Leibler divergence. <i>Control Engineering Practice</i> , 2015, 43, 39-48.	5.5	46
5	Shrinking Principal Component Analysis for Enhanced Process Monitoring and Fault Isolation. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 17475-17486.	3.7	41
6	Block adaptive kernel principal component analysis for nonlinear process monitoring. <i>AIChE Journal</i> , 2016, 62, 4334-4345.	3.6	33
7	Identification of the Optimal Control Center for Blast Furnace Thermal State Based on the Fuzzy C-means Clustering. <i>ISIJ International</i> , 2011, 51, 1668-1673.	1.4	22
8	Blast Furnace System Modeling by Multivariate Phase Space Reconstruction and Neural Networks. <i>Asian Journal of Control</i> , 2013, 15, 553-561.	3.0	19
9	Fault Detection and Identification of Blast Furnace Ironmaking Process Using the Gated Recurrent Unit Network. <i>Processes</i> , 2020, 8, 391.	2.8	19
10	A Unified Probabilistic Monitoring Framework for Multimode Processes Based on Probabilistic Linear Discriminant Analysis. <i>IEEE Transactions on Industrial Informatics</i> , 2020, 16, 6291-6300.	11.3	18
11	Nonparametric Density Estimation of Hierarchical Probabilistic Graph Models for Assumption-Free Monitoring. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 1278-1287.	3.7	17
12	Quality-Related Locally Weighted Non-Gaussian Regression Based Soft Sensing for Multimode Processes. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 17452-17461.	3.7	17
13	A State Space Model for Monitoring of the Dynamic Blast Furnace System. <i>ISIJ International</i> , 2012, 52, 2194-2199.	1.4	13
14	Soft Sensing of a Nonlinear Multimode Process Using a Self Organizing Model and Conditional Probability Density Analysis. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 14267-14274.	3.7	12
15	A non-Gaussian regression algorithm based on mutual information maximization. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2012, 111, 1-19.	3.5	11
16	Regression-based analysis of multivariate non-Gaussian datasets for diagnosing abnormal situations in chemical processes. <i>AIChE Journal</i> , 2014, 60, 148-159.	3.6	8
17	Structured sequential Gaussian graphical models for monitoring time-varying process. <i>Control Engineering Practice</i> , 2019, 91, 104099.	5.5	8
18	Double Layer Distributed Process Monitoring Based on Hierarchical Multi-Block Decomposition. <i>IEEE Access</i> , 2019, 7, 17337-17346.	4.2	8

#	ARTICLE	IF	CITATIONS
19	A Bayesian sparse reconstruction method for fault detection and isolation. Journal of Chemometrics, 2015, 29, 349-360.	1.3	6
20	Structured Principal Component Analysis Model With Variable Correlation Constraint. IEEE Transactions on Control Systems Technology, 2022, 30, 558-569.	5.2	6
21	An improved mixture robust probabilistic linear discriminant analyzer for fault classification. ISA Transactions, 2020, 98, 227-236.	5.7	5
22	Structured sparsity modeling for improved multivariate statistical analysis based fault isolation. Journal of Process Control, 2021, 98, 66-78.	3.3	3
23	A Bayesian belief-rule-based inference multivariate alarm system for nonlinear time-varying processes. Science China Information Sciences, 2021, 64, 1.	4.3	3
24	Detection and Isolation of Incipiently Developing Fault Using Wasserstein Distance. Processes, 2022, 10, 1081.	2.8	3
25	Electroplating Deposition of Bismuth Absorbers for X-ray Superconducting Transition Edge Sensors. Materials, 2021, 14, 7169.	2.9	2
26	Process monitoring based on Kullback Leibler divergence. , 2013, , .		1
27	Structured Joint Sparse Principal Component Analysis for Fault Detection and Isolation. , 2018, , .		1
28	A Novel Soft Sensing Method for Transient Processes Regression Utilizing Locally Weighted PLS. , 2018, , .		1
29	Multimode Process Monitoring Based on Modified Probabilistic Linear Discriminant Analysis. , 2019, , .		1
30	Improved PCA-based Fault Isolation using Sparse Group Lasso. , 2020, , .		1
31	Hierarchical density decompositions for abnormal event diagnosis in serially correlated non-Gaussian systems. Control Engineering Practice, 2020, 96, 104295.	5.5	1
32	Failure Mode Analysis of Carbon Fiber Composite Laminates by Acoustic Emission Signals. Advances in Materials Science and Engineering, 2021, 2021, 1-12.	1.8	1
33	Isolation of Overtemperature Fault in an Industrial Boiler Using Tree-Structured Sparsity-Based Reconstruction. Industrial & Engineering Chemistry Research, 2022, 61, 6575-6586.	3.7	1
34	Monitoring of dynamic process using hierarchical probability density decomposition. , 2017, , .		0
35	A Kernel Sparse Representation Based Framework for Monitoring Nonlinear Multi-Mode Process. Journal of Chemical Engineering of Japan, 2017, 50, 737-747.	0.6	0
36	Sequential Graphical Lasso for Fault Detection and Isolation. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
37	Mixture Probabilistic Linear Discriminant Analyzer for Process Fault Classification. , 2019, , .		0
38	Thermal Power Plant Process Monitoring using Mutual Information and Distributed Statistical Model. , 2019, , .		0
39	Fault detection in time-varying dynamic process using recursive sparse dynamic PCA. , 2018, , .		0
40	A novel spatial-temporal fusion deep neural network for soft sensing of industrial processes. , 2020, , .		0
41	Structured Dictionary Learning for Fault Detection and Isolation. , 2021, , .		0