

Jiusun Zeng

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

534
citations

687363

13
h-index

642732

23
g-index

41
all docs

41
docs citations

41
times ranked

471
citing authors

#	ARTICLE	IF	CITATIONS
1	Structured Principal Component Analysis Model With Variable Correlation Constraint. IEEE Transactions on Control Systems Technology, 2022, 30, 558-569.	5.2	6
2	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
3	Detection and Isolation of Incipiently Developing Fault Using Wasserstein Distance. Processes, 2022, 10, 1081.	2.8	3
4	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
5	Structured sparsity modeling for improved multivariate statistical analysis based fault isolation. Journal of Process Control, 2021, 98, 66-78.	3.3	3
6	A Bayesian belief-rule-based inference multivariate alarm system for nonlinear time-varying processes. Science China Information Sciences, 2021, 64, 1.	4.3	3
7	Electroplating Deposition of Bismuth Absorbers for X-ray Superconducting Transition Edge Sensors. Materials, 2021, 14, 7169.	2.9	2
8	Structured Dictionary Learning for Fault Detection and Isolation. , 2021, , .		0
9	An improved mixture robust probabilistic linear discriminant analyzer for fault classification. ISA Transactions, 2020, 98, 227-236.	5.7	5
10	Improved PCA-based Fault Isolation using Sparse Group Lasso. , 2020, , .		1
11	Fault Detection and Identification of Blast Furnace Ironmaking Process Using the Gated Recurrent Unit Network. Processes, 2020, 8, 391.	2.8	19
12	Hierarchical density decompositions for abnormal event diagnosis in serially correlated non-Gaussian systems. Control Engineering Practice, 2020, 96, 104295.	5.5	1
13	A Unified Probabilistic Monitoring Framework for Multimode Processes Based on Probabilistic Linear Discriminant Analysis. IEEE Transactions on Industrial Informatics, 2020, 16, 6291-6300.	11.3	18
14	A novel spatial-temporal fusion deep neural network for soft sensing of industrial processes. , 2020, , .		0
15	Structured sequential Gaussian graphical models for monitoring time-varying process. Control Engineering Practice, 2019, 91, 104099.	5.5	8
16	Soft Sensing of a Nonlinear Multimode Process Using a Self Organizing Model and Conditional Probability Density Analysis. Industrial & Engineering Chemistry Research, 2019, 58, 14267-14274.	3.7	12
17	Double Layer Distributed Process Monitoring Based on Hierarchical Multi-Block Decomposition. IEEE Access, 2019, 7, 17337-17346.	4.2	8
18	Mixture Probabilistic Linear Discriminant Analyzer for Process Fault Classification. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	Thermal Power Plant Process Monitoring using Mutual Information and Distributed Statistical Model. , 2019, , .		0
20	Multimode Process Monitoring Based on Modified Probabilistic Linear Discriminant Analysis. , 2019, , .		1
21	Structured Joint Sparse Principal Component Analysis for Fault Detection and Isolation. IEEE Transactions on Industrial Informatics, 2019, 15, 2721-2731.	11.3	51
22	Sequential Graphical Lasso for Fault Detection and Isolation. , 2018, , .		0
23	Structured Joint Sparse Principal Component Analysis for Fault Detection and Isolation. , 2018, , .		1
24	A Novel Soft Sensing Method for Transient Processes Regression Utilizing Locally Weighted PLS. , 2018, , .		1
25	Quality-Related Locally Weighted Non-Gaussian Regression Based Soft Sensing for Multimode Processes. Industrial & Engineering Chemistry Research, 2018, 57, 17452-17461.	3.7	17
26	Fault detection in time-varying dynamic process using recursive sparse dynamic PCA. , 2018, , .		0
27	Nonparametric Density Estimation of Hierarchical Probabilistic Graph Models for Assumption-Free Monitoring. Industrial & Engineering Chemistry Research, 2017, 56, 1278-1287.	3.7	17
28	Monitoring of dynamic process using hierarchical probability density decomposition. , 2017, , .		0
29	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
30	Block adaptive kernel principal component analysis for nonlinear process monitoring. AIChE Journal, 2016, 62, 4334-4345.	3.6	33
31	A Bayesian sparse reconstruction method for fault detection and isolation. Journal of Chemometrics, 2015, 29, 349-360.	1.3	6
32	Fault detection in dynamic systems using the Kullback-Leibler divergence. Control Engineering Practice, 2015, 43, 39-48.	5.5	46
33	Regression-based analysis of multivariate non-Gaussian datasets for diagnosing abnormal situations in chemical processes. AIChE Journal, 2014, 60, 148-159.	3.6	8
34	Novel Just-In-Time Learning-Based Soft Sensor Utilizing Non-Gaussian Information. IEEE Transactions on Control Systems Technology, 2014, 22, 360-368.	5.2	64
35	Detecting abnormal situations using the Kullback-Leibler divergence. Automatica, 2014, 50, 2777-2786.	5.0	91
36	Blast Furnace System Modeling by Multivariate Phase Space Reconstruction and Neural Networks. Asian Journal of Control, 2013, 15, 553-561.	3.0	19

#	ARTICLE	IF	CITATIONS
37	Shrinking Principal Component Analysis for Enhanced Process Monitoring and Fault Isolation. Industrial & Engineering Chemistry Research, 2013, 52, 17475-17486.	3.7	41
38	Process monitoring based on Kullback Leibler divergence. , 2013, , .		1
39	A State Space Model for Monitoring of the Dynamic Blast Furnace System. ISIJ International, 2012, 52, 2194-2199.	1.4	13
40	A non-Gaussian regression algorithm based on mutual information maximization. Chemometrics and Intelligent Laboratory Systems, 2012, 111, 1-19.	3.5	11
41	Identification of the Optimal Control Center for Blast Furnace Thermal State Based on the Fuzzy C-means Clustering. ISIJ International, 2011, 51, 1668-1673.	1.4	22