Jing Wang

List of Publications by Year in descending order

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		471371	434063
61	1,048	17	31
papers	citations	h-index	g-index

70	70	70	917
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LSTM based long-term energy consumption prediction with periodicity. Energy, 2020, 197, 117197.	4.5	174
2	Fractional order sliding mode control via disturbance observer for a class of fractional order systems with mismatched disturbance,. Mechatronics, 2018, 53, 8-19.	2.0	107
3	FaultFace: Deep Convolutional Generative Adversarial Network (DCGAN) based Ball-Bearing failure detection method. Information Sciences, 2021, 542, 195-211.	4.0	65
4	Quality-Related Statistical Process Monitoring Method Based on Global and Local Partial Least-Squares Projection. Industrial & Engineering Chemistry Research, 2016, 55, 1609-1622.	1.8	54
5	Zonotoptic Fault Estimation for Discrete-Time LPV Systems With Bounded Parametric Uncertainty. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 690-700.	4.7	41
6	Quality-Relevant Fault Monitoring Based on Locality-Preserving Partial Least-Squares Statistical Models. Industrial & Engineering Chemistry Research, 2017, 56, 7009-7020.	1.8	39
7	Incipient Fault Detection Based on Fault Extraction and Residual Evaluation. Industrial & Engineering Chemistry Research, 2015, 54, 3664-3677.	1.8	34
8	A Quality-Related Statistical Process Monitoring Method Based on Global plus Local Projection to Latent Structures. Industrial & Engineering Chemistry Research, 2018, 57, 5323-5337.	1.8	31
9	Quality-Relevant Fault Monitoring Based on Locally Linear Embedding Orthogonal Projection to Latent Structure. Industrial & Engineering Chemistry Research, 2019, 58, 1262-1272.	1.8	30
10	Fault isolation based on residual evaluation and contribution analysis. Journal of the Franklin Institute, 2017, 354, 2591-2612.	1.9	29
11	Unified Architecture of Active Fault Detection and Partial Active Fault-Tolerant Control for Incipient Faults. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1688-1700.	5.9	27
12	Finite-Frequency H⁻/H^{âˆž} Fault Detection for Discrete-Time Tâ€“S Fuzzy Systems With Unmeasurable Premise Variables. IEEE Transactions on Cybernetics, 2021, 51, 3017-3026.	6.2	23
13	Semisupervised Incremental Support Vector Machine Learning Based on Neighborhood Kernel Estimation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2677-2687.	5.9	22
14	An effective direct closed loop identification method for linear multivariable systems with colored noise. Journal of Process Control, 2014, 24, 485-492.	1.7	21
15	Process Monitoring Based on Multivariate Causality Analysis and Probability Inference. IEEE Access, 2018, 6, 6360-6369.	2.6	20
16	Probability Density Estimation and Bayesian Causal Analysis Based Fault Detection and Root Identification. Industrial & Engineering Chemistry Research, 2018, 57, 14656-14664.	1.8	20
17	Soft-Transition Sub-PCA Fault Monitoring of Batch Processes. Industrial & Engineering Chemistry Research, 2013, 52, 9879-9888.	1.8	19
18	Gray-box modeling and control of polymer molecular weight distribution using orthogonal polynomial neural networks. Journal of Process Control, 2012, 22, 1624-1636.	1.7	18

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19	Complex System Monitoring Based on Distributed Least Squares Method. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1892-1900.	3.4	18
20	Operation space design of microbial fuel cells combined anaerobicâ€“anoxicâ€“oxic process based on support vector regression inverse model. Engineering Applications of Artificial Intelligence, 2018, 72, 340-349.	4.3	16
21	Active fault detection based on setâ€membership approach for uncertain discreteâ€time systems. International Journal of Robust and Nonlinear Control, 2020, 30, 5322-5340.	2.1	16
22	Fault Detection with Data Imbalance Conditions Based on the Improved Bilayer Convolutional Neural Network. Industrial & Engineering Chemistry Research, 2020, 59, 5891-5904.	1.8	16
23	A Dual Robustness Projection to Latent Structure Method and Its Application. IEEE Transactions on Industrial Electronics, 2021, 68, 1604-1614.	5.2	16
24	Enclosing Control for Multiagent Systems With a Moving Target of Unknown Bounded Velocity. IEEE Transactions on Cybernetics, 2022, 52, 11561-11570.	6.2	15
25	Fault diagnosis based on the integration of exponential discriminant analysis and local linear embedding. Canadian Journal of Chemical Engineering, 2018, 96, 463-483.	0.9	14
26	Water Quality Indicator Interval Prediction in Wastewater Treatment Process Based on the Improved BES-LSSVM Algorithm. Sensors, 2022, 22, 422.	2.1	13
27	Iterative learning-based formation control for multiple quadrotor unmanned aerial vehicles. International Journal of Advanced Robotic Systems, 2020, 17, 172988142091152.	1.3	12
28	Fault diagnosis of industrial process based on the optimal parametric t-distributed stochastic neighbor embedding. Science China Information Sciences, 2021, 64, 1.	2.7	12
29	Adaptive iterative learning control based on unfalsified strategy for Chylla-Haase reactor. IEEE/CAA Journal of Automatica Sinica, 2014, 1, 347-360.	8.5	11
30	Dynamic Modeling and Optimal Control of Batch Reactors, Based on Structure Approaching Hybrid Neural Networks. Industrial & Engineering Chemistry Research, 2011, 50, 6174-6186.	1.8	10
31	MPC-Based Cooperative Enclosing for Nonholonomic Mobile Agents Under Input Constraint and Unknown Disturbance. IEEE Transactions on Cybernetics, 2023, 53, 845-858.	6.2	10
32	Fractionalâ€order DOBâ€sliding mode control for a class of noncommensurate fractionalâ€order systems with mismatched disturbances. Mathematical Methods in the Applied Sciences, 2021, 44, 8228-8242.	1.2	9
33	Distribution consensus of nonlinear stochastic multi-agent systems based on sliding-mode control with probability density function compensation. Journal of the Franklin Institute, 2020, 357, 9308-9329.	1.9	8
34	Data-Driven Fault Detection and Reasoning for Industrial Monitoring. , 2022, , .		8
35	Improved bilayer convolution transfer learning neural network for industrial fault detection. Canadian Journal of Chemical Engineering, 2022, 100, 1814-1825.	0.9	7
36	Adaptive Event-Triggered Finite-Frequency Fault Detection With Zonotopic Threshold Analysis for LPV Systems. IEEE Transactions on Cybernetics, 2022, 52, 10041-10051.	6.2	7

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37	Variable Gain Feedback PD^{alpha} -Type Iterative Learning Control for Fractional Nonlinear Systems With Time-Delay. IEEE Access, 2019, 7, 90106-90114.	2.6	6
38	DCGAN Based Data Generation for Process Monitoring. , 2019, , .		6
39	Multi-UAVs collaborative tracking of moving target with maximized visibility in urban environment. Journal of the Franklin Institute, 2022, 359, 5512-5532.	1.9	6
40	On-line Auxiliary Input Signal Design for Active Fault Detection and Isolation Based on Set-membership and Moving Window Techniques. International Journal of Control, Automation and Systems, 2019, 17, 2796-2806.	1.6	5
41	Interval state and sensor fault estimation based on unknown input observer and interval hull computation. Canadian Journal of Chemical Engineering, 2020, 98, 1339-1350.	0.9	5
42	Intelligent explicit model predictive control based on machine learning for microbial desalination cells. Proceedings of the Institution of Mechanical Engineers Part I: Journal of Systems and Control Engineering, 2019, 233, 751-763.	0.7	4
43	Robust iterative learning control for iteration- and time-varying disturbance rejection. International Journal of Systems Science, 2020, , 1-12.	3.7	4
44	Ensemble FARIMA Prediction with Stable Infinite Variance Innovations for Supermarket Energy Consumption. Fractal and Fractional, 2022, 6, 276.	1.6	4
45	Agglomeration-Monitoring Method for a Fluidized Bed with Multiacoustic Sensors. Industrial & Engineering Chemistry Research, 2019, 58, 19531-19544.	1.8	3
46	Fractional stochastic configuration networks-based nonstationary time series prediction and confidence interval estimation. Expert Systems With Applications, 2022, 192, 116357.	4.4	3
47	On-line Active Fault Detection Based on Set-membership Ellipsoid and Moving Window. , 2018, , .		2
48	Distributed System Monitoring and Fault Diagnosis Based on Causal Graphical Model. , 2019, , .		2
49	Fault Detection and Backtrace Based on Graphical Probability Model. , 2018, , .		1
50	Online Shape Modification of Molecular Weight Distribution Based on the Principle of Active Disturbance Rejection Controller. IEEE Access, 2019, 7, 53163-53171.	2.6	1
51	Multiblock ICA-PCA and Bayesian Inference based Distributed Process Monitoring. , 2019, , .		1
52	On-line Input Signal Design Based on State Set-membership Estimation for Active Fault Detection. , 2019, , .		1
53	Narrow Operating Space Based on the Inversion of Latent Structures Model for Glycosylation Process. IEEE Access, 2020, 8, 190504-190515.	2.6	1
54	Probabilistic Graphical Model for Continuous Variables. , 2022, , 251-265.		1

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55	Fusion of PDF compensation and gain-scheduled control for discrete stochastic systems with randomly occurring nonlinearities. Nonlinear Dynamics, 2020, 101, 393-406.	2.7	0
56	Robust Zonotopic-based Interval Fault Estimation for Multi-agent Systems with Unknown but Bounded Noise. , 2021, , .		0
57	Kernel Fisher Envelope Surface for Pattern Recognition. , 2022, , 101-117.		0
58	New Robust Projection to Latent Structure. , 2022, , 211-232.		0
59	Zonotope-based Hâˆ’/Lâˆž Fault Detection Observer Design for Linear Systems Over Sensor Network. , 2020, , .		0
60	Simulation Platform for Fault Diagnosis. , 2022, , 45-58.		0
61	Soft-Transition Sub-PCA Monitoring ofÂBatch Processes. , 2022, , 59-77.		0