

Jing Wang

List of Publications by Year in descending order

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61
papers

1,048
citations

471371

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all docs

70
docs citations

70
times ranked

917
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Enclosing Control for Multiagent Systems With a Moving Target of Unknown Bounded Velocity. IEEE Transactions on Cybernetics, 2022, 52, 11561-11570.	6.2	15
3	Improved bilayer convolution transfer learning neural network for industrial fault detection. Canadian Journal of Chemical Engineering, 2022, 100, 1814-1825.	0.9	7
4	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
5	Kernel Fisher Envelope Surface for Pattern Recognition. , 2022, , 101-117.		0
6	New Robust Projection to Latent Structure. , 2022, , 211-232.		0
7	Fractional stochastic configuration networks-based nonstationary time series prediction and confidence interval estimation. Expert Systems With Applications, 2022, 192, 116357.	4.4	3
8	Water Quality Indicator Interval Prediction in Wastewater Treatment Process Based on the Improved BES-LSSVM Algorithm. Sensors, 2022, 22, 422.	2.1	13
9	Simulation Platform for Fault Diagnosis. , 2022, , 45-58.		0
10	Probabilistic Graphical Model for Continuous Variables. , 2022, , 251-265.		1
11	Data-Driven Fault Detection and Reasoning for Industrial Monitoring. , 2022, , .		8
12	Soft-Transition Sub-PCA Monitoring of Batch Processes. , 2022, , 59-77.		0
13	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
14	Ensemble FARIMA Prediction with Stable Infinite Variance Innovations for Supermarket Energy Consumption. Fractal and Fractional, 2022, 6, 276.	1.6	4
15	Complex System Monitoring Based on Distributed Least Squares Method. IEEE Transactions on Automation Science and Engineering, 2021, 18, 1892-1900.	3.4	18
16	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
17	A Dual Robustness Projection to Latent Structure Method and Its Application. IEEE Transactions on Industrial Electronics, 2021, 68, 1604-1614.	5.2	16
18	FaultFace: Deep Convolutional Generative Adversarial Network (DCGAN) based Ball-Bearing failure detection method. Information Sciences, 2021, 542, 195-211.	4.0	65

#	ARTICLE	IF	CITATIONS
19	Fractional-order DOB sliding mode control for a class of noncommensurate fractional-order systems with mismatched disturbances. <i>Mathematical Methods in the Applied Sciences</i> , 2021, 44, 8228-8242.	1.2	9
20	Finite-Frequency H_{∞} Fault Detection for Discrete-Time T ∞ S Fuzzy Systems With Unmeasurable Premise Variables. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 3017-3026.	6.2	23
21	Robust Zonotopic-based Interval Fault Estimation for Multi-agent Systems with Unknown but Bounded Noise. , 2021, , .		0
22	Zonotopic Fault Estimation for Discrete-Time LPV Systems With Bounded Parametric Uncertainty. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 690-700.	4.7	41
23	Interval state and sensor fault estimation based on unknown input observer and interval hull computation. <i>Canadian Journal of Chemical Engineering</i> , 2020, 98, 1339-1350.	0.9	5
24	Distribution consensus of nonlinear stochastic multi-agent systems based on sliding-mode control with probability density function compensation. <i>Journal of the Franklin Institute</i> , 2020, 357, 9308-9329.	1.9	8
25	Active fault detection based on set-membership approach for uncertain discrete-time systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 5322-5340.	2.1	16
26	Narrow Operating Space Based on the Inversion of Latent Structures Model for Glycosylation Process. <i>IEEE Access</i> , 2020, 8, 190504-190515.	2.6	1
27	Fault Detection with Data Imbalance Conditions Based on the Improved Bilayer Convolutional Neural Network. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 5891-5904.	1.8	16
28	Iterative learning-based formation control for multiple quadrotor unmanned aerial vehicles. <i>International Journal of Advanced Robotic Systems</i> , 2020, 17, 172988142091152.	1.3	12
29	Fusion of PDF compensation and gain-scheduled control for discrete stochastic systems with randomly occurring nonlinearities. <i>Nonlinear Dynamics</i> , 2020, 101, 393-406.	2.7	0
30	LSTM based long-term energy consumption prediction with periodicity. <i>Energy</i> , 2020, 197, 117197.	4.5	174
31	Robust iterative learning control for iteration- and time-varying disturbance rejection. <i>International Journal of Systems Science</i> , 2020, , 1-12.	3.7	4
32	Zonotope-based H_{∞} Fault Detection Observer Design for Linear Systems Over Sensor Network. , 2020, , .		0
33	Online Shape Modification of Molecular Weight Distribution Based on the Principle of Active Disturbance Rejection Controller. <i>IEEE Access</i> , 2019, 7, 53163-53171.	2.6	1
34	Variable Gain Feedback PD^{α} -Type Iterative Learning Control for Fractional Nonlinear Systems With Time-Delay. <i>IEEE Access</i> , 2019, 7, 90106-90114.	2.6	6
35	On-line Auxiliary Input Signal Design for Active Fault Detection and Isolation Based on Set-membership and Moving Window Techniques. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2796-2806.	1.6	5
36	Agglomeration-Monitoring Method for a Fluidized Bed with Multiacoustic Sensors. <i>Industrial & Engineering Chemistry Research</i> , 2019, 58, 19531-19544.	1.8	3

#	ARTICLE	IF	CITATIONS
37	Distributed System Monitoring and Fault Diagnosis Based on Causal Graphical Model. , 2019, , .		2
38	Multiblock ICA-PCA and Bayesian Inference based Distributed Process Monitoring. , 2019, , .		1
39	On-line Input Signal Design Based on State Set-membership Estimation for Active Fault Detection. , 2019, , .		1
40	DCGAN Based Data Generation for Process Monitoring. , 2019, , .		6
41	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
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	Process Monitoring Based on Multivariate Causality Analysis and Probability Inference. IEEE Access, 2018, 6, 6360-6369.	2.6	20
44	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
45	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
46	Fault Detection and Backtrace Based on Graphical Probability Model. , 2018, , .		1
47	On-line Active Fault Detection Based on Set-membership Ellipsoid and Moving Window. , 2018, , .		2
48	Probability Density Estimation and Bayesian Causal Analysis Based Fault Detection and Root Identification. Industrial & Engineering Chemistry Research, 2018, 57, 14656-14664.	1.8	20
49	Operation space design of microbial fuel cells combined anaerobic–anoxic–oxic process based on support vector regression inverse model. Engineering Applications of Artificial Intelligence, 2018, 72, 340-349.	4.3	16
50	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
51	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
52	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
53	Quality-Relevant Fault Monitoring Based on Locality-Preserving Partial Least-Squares Statistical Models. Industrial & Engineering Chemistry Research, 2017, 56, 7009-7020.	1.8	39
54	Fault isolation based on residual evaluation and contribution analysis. Journal of the Franklin Institute, 2017, 354, 2591-2612.	1.9	29

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55	Quality-Related Statistical Process Monitoring Method Based on Global and Local Partial Least-Squares Projection. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 1609-1622.	1.8	54
56	Incipient Fault Detection Based on Fault Extraction and Residual Evaluation. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 3664-3677.	1.8	34
57	Adaptive iterative learning control based on unfalsified strategy for Chylla-Haase reactor. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2014, 1, 347-360.	8.5	11
58	An effective direct closed loop identification method for linear multivariable systems with colored noise. <i>Journal of Process Control</i> , 2014, 24, 485-492.	1.7	21
59	Soft-Transition Sub-PCA Fault Monitoring of Batch Processes. <i>Industrial & Engineering Chemistry Research</i> , 2013, 52, 9879-9888.	1.8	19
60	Gray-box modeling and control of polymer molecular weight distribution using orthogonal polynomial neural networks. <i>Journal of Process Control</i> , 2012, 22, 1624-1636.	1.7	18
61	Dynamic Modeling and Optimal Control of Batch Reactors, Based on Structure Approaching Hybrid Neural Networks. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 6174-6186.	1.8	10