

Yuchen Jiang

List of Publications by Year in descending order

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38
papers

2,175
citations

430874

18
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

1284
citing authors

#	ARTICLE	IF	CITATIONS
1	Playing Against Deep-Neural-Network-Based Object Detectors: A Novel Bidirectional Adversarial Attack Approach. IEEE Transactions on Artificial Intelligence, 2022, 3, 20-28.	4.7	13
2	A Novel Subspace-Aided Fault Detection Approach for the Drive Systems of Rolling Mills. IEEE Transactions on Control Systems Technology, 2022, 30, 1742-1749.	5.2	8
3	An integrated data-driven scheme for the defense of typical cyber-physical attacks. Reliability Engineering and System Safety, 2022, 220, 108257.	8.9	25
4	Prediction of remaining useful life based on bidirectional gated recurrent unit with temporal self-attention mechanism. Reliability Engineering and System Safety, 2022, 221, 108297.	8.9	126
5	Quo vadis artificial intelligence?. Discover Artificial Intelligence, 2022, 2, 1.	3.1	75
6	High-Performance Fault Classification Based on Feature Importance Ranking-XgBoost Approach with Feature Selection of Redundant Sensor Data. Current Chinese Science, 2022, 2, 243-251.	0.5	7
7	Lesion-attention pyramid network for diabetic retinopathy grading. Artificial Intelligence in Medicine, 2022, 126, 102259.	6.5	39
8	An adaptive remaining useful life prediction approach for single battery with unlabeled small sample data and parameter uncertainty. Reliability Engineering and System Safety, 2022, 222, 108357.	8.9	71
9	Secure Data Transmission and Trustworthiness Judgement Approaches Against Cyber-Physical Attacks in an Integrated Data-Driven Framework. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7799-7809.	9.3	56
10	RAGCN: Region Aggregation Graph Convolutional Network for Bone Age Assessment From X-Ray Images. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-12.	4.7	10
11	Optimized Design of Parity Relation-Based Residual Generator for Fault Detection: Data-Driven Approaches. IEEE Transactions on Industrial Informatics, 2021, 17, 1449-1458.	11.3	114
12	Lightweight Attention Convolutional Neural Network for Retinal Vessel Image Segmentation. IEEE Transactions on Industrial Informatics, 2021, 17, 1958-1967.	11.3	153
13	Adaptive Fuzzy Fault-Tolerant Control for Markov Jump Systems With Additive and Multiplicative Actuator Faults. IEEE Transactions on Fuzzy Systems, 2021, 29, 772-785.	9.8	103
14	Prediction of material removal rate in chemical mechanical polishing via residual convolutional neural network. Control Engineering Practice, 2021, 107, 104673.	5.5	43
15	Performance Supervised Plant-Wide Process Monitoring in Industry 4.0: A Roadmap. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 21-35.	6.8	82
16	Adaptive Boosting Based on Multi-class Neural Networks for IGBT Health Parameter Prediction. , 2021, , .		3
17	Remaining useful life prediction for ion etching machine cooling system using deep recurrent neural network-based approaches. Control Engineering Practice, 2021, 109, 104748.	5.5	17
18	Remaining useful life prediction approach for rolling element bearings based on optimized SVR model with reliable time intervals. , 2021, , .		2

#	ARTICLE	IF	CITATIONS
19	Bearing remaining useful life prediction based on optimized support vector regression model with denoising technique. , 2021, , .		1
20	A Review on Soft Sensors for Monitoring, Control, and Optimization of Industrial Processes. IEEE Sensors Journal, 2021, 21, 12868-12881.	4.7	252
21	Industrial applications of digital twins. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200360.	3.4	102
22	When medical images meet generative adversarial network: recent development and research opportunities. Discover Artificial Intelligence, 2021, 1, 1.	3.1	24
23	Integrated Learning Approach Based on Fused Segmentation Information for Skeletal Fluorosis Diagnosis and Severity Grading. IEEE Transactions on Industrial Informatics, 2021, 17, 7554-7563.	11.3	9
24	Robust fault detection approach for switched time-delay systems by using sliding mode observer. , 2021, , .		0
25	Deep learning-based defense and detection scheme against eavesdropping and typical cyber-physical attacks. , 2021, , .		3
26	Adaptive Control for Cyber-Physical Systems against Actuator Attacks. , 2020, , .		7
27	Improving the safety of distributed cyber-physical systems against false data injection attack by establishing interconnections. , 2020, , .		5
28	A Novel Multivariate Statistical Analysis Aided Deep Learning Approach for Nonlinear System Process Monitoring with Comparison Studies. , 2020, , .		1
29	An aerial image segmentation approach based on enhanced multi-scale convolutional neural network. , 2019, , .		11
30	A Novel Redundant Information Elimination Aided Classification Approach for Cervical Cancer Diagnosis. , 2019, , .		0
31	Real-Time Monitoring and Control of Industrial Cyberphysical Systems: With Integrated Plant-Wide Monitoring and Control Framework. IEEE Industrial Electronics Magazine, 2019, 13, 38-47.	2.6	152
32	Recent Advances in Key-Performance-Indicator Oriented Prognosis and Diagnosis With a MATLAB Toolbox: DB-KIT. IEEE Transactions on Industrial Informatics, 2019, 15, 2849-2858.	11.3	159
33	Recursive Total Principle Component Regression Based Fault Detection and Its Application to Vehicular Cyber-Physical Systems. IEEE Transactions on Industrial Informatics, 2018, 14, 1415-1423.	11.3	157
34	Fault-Tolerant Control of Time-Delay Markov Jump Systems With $\hat{\sigma}$ Stochastic Process and Output Disturbance Based on Sliding Mode Observer. IEEE Transactions on Industrial Informatics, 2018, 14, 5299-5307.	11.3	120
35	Design Approach to MIMO Diagnostic Observer and its Application to Fault Detection. , 2018, , .		6
36	Cyber-physical system based factory monitoring and fault diagnosis framework with plant-wide performance optimization. , 2018, , .		13

#	ARTICLE	IF	CITATIONS
37	Data-Driven Monitoring and Safety Control of Industrial Cyber-Physical Systems: Basics and Beyond. IEEE Access, 2018, 6, 47374-47384.	4.2	205
38	Study on KPI-related subspace decomposition for fault detection and robust KPI prediction against abnormal data. , 2016, , .		1