Shen Yin

List of Publications by Year
in descending order

342 papers	36,082 citations	1536 106 h-index	3182 186 g-index
348 all docs	348 docs citations	348 times ranked	13884 citing authors

#	Article	IF	Citations
1	Performance Optimization and Fault-Tolerance of Highly Dynamic Systems Via Q-Learning With an Incrementally Attached Controller Gain System. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 9128-9138.	11.3	3
2	Distributed Adaptive-Neural Finite-Time Consensus Control for Stochastic Nonlinear Multiagent Systems Subject to Saturated Inputs. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 7704-7718.	11.3	9
3	Prescribed Performance Quantized Tracking Control for a Class of Delayed Switched Nonlinear Systems With Actuator Hysteresis Using a Filter-Connected Switched Hysteretic Quantizer. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 61-74.	11.3	15
4	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
5	Dual-Loop Tube-Based Robust Model Predictive Attitude Tracking Control for Spacecraft With System Constraints and Additive Disturbances. IEEE Transactions on Industrial Electronics, 2022, 69, 4022-4033.	7.9	66
6	Sparse Actuator and Sensor Attacks Reconstruction for Linear Cyber-Physical Systems With Sliding Mode Observer. IEEE Transactions on Industrial Informatics, 2022, 18, 3873-3884.	11.3	20
7	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
8	An integrated data-driven scheme for the defense of typical cyberâ€“physical attacks. Reliability Engineering and System Safety, 2022, 220, 108257.	8.9	25
9	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
10	Quo vadis artificial intelligence?. Discover Artificial Intelligence, 2022, 2, 1.	3.1	75
11	Lesion-attention pyramid network for diabetic retinopathy grading. Artificial Intelligence in Medicine, 2022, 126, 102259.	6.5	39
12	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
13	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
14	An Ensemble-Based Fuzzy Rough Active Learning Approach for Broken Rotor Bar Detection in Nonstationary Environment. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-8.	4.7	8
15	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
16	Explainable multi-instance and multi-task learning for COVID-19 diagnosis and lesion segmentation in CT images. Knowledge-Based Systems, 2022, 252, 109278.	7.1	19
17	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. IEEE Transactions on Fuzzy Systems, 2021, 29, 1496-1506.	9.8	65
18	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

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19	A Novel Bias-Eliminated Subspace Identification Approach for Closed-Loop Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 5197-5205.	7.9	10
20	Lightweight Attention Convolutional Neural Network for Retinal Vessel Image Segmentation. IEEE Transactions on Industrial Informatics, 2021, 17, 1958-1967.	11.3	153
21	An Improved Just-in-Time Learning Scheme for Online Fault Detection of Nonlinear Systems. IEEE Systems Journal, 2021, 15, 2078-2086.	4.6	12
22	A Real-Time Performance Recovery Framework for Vision-Based Control Systems. IEEE Transactions on Industrial Electronics, 2021, 68, 1571-1580.	7.9	11
23	Adaptive SMO-Based Fault Estimation for Markov Jump Systems With Simultaneous Additive and Multiplicative Actuator Faults. IEEE Systems Journal, 2021, 15, 607-616.	4.6	6
24	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
25	A Novel Adaptive Observer-Based Fault Reconstruction and State Estimation Method for Markovian Jump Systems. IEEE Systems Journal, 2021, 15, 2305-2313.	4.6	7
26	Neural Network-Based Adaptive Fault-Tolerant Control for Markovian Jump Systems With Nonlinearity and Actuator Faults. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3687-3698.	9.3	50
27	Prediction of material removal rate in chemical mechanical polishing via residual convolutional neural network. Control Engineering Practice, 2021, 107, 104673.	5.5	43
28	Finite-time sliding mode control for a 3-DOF fully actuated autonomous surface vehicle. Transactions of the Institute of Measurement and Control, 2021, 43, 371-389.	1.7	8
29	A Deep Learning Based Data-Driven Thruster Fault Diagnosis Approach for Satellite Attitude Control System. IEEE Transactions on Industrial Electronics, 2021, 68, 10162-10170.	7.9	23
30	Performance Degradation Monitoring and Recovery of Vision-Based Control Systems. IEEE Transactions on Control Systems Technology, 2021, 29, 2712-2719.	5.2	3
31	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
32	Toward Smart Systems: Their Sensing and Control in Industrial Electronics and Applications. IEEE Industrial Electronics Magazine, 2021, 15, 104-114.	2.6	2
33	Recursive Subspace-aided Frequency Estimator Based on the Propagator Method. , 2021, , .		2
34	Adaptive Boosting Based on Multi-class Neural Networks for IGBT Health Parameter Prediction. , 2021, , .		3
35	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
36	A Review on Soft Sensors for Monitoring, Control, and Optimization of Industrial Processes. IEEE Sensors Journal, 2021, 21, 12868-12881.	4.7	252

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37	Industrial applications of digital twins. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200360.	3.4	102
38	When medical images meet generative adversarial network: recent development and research opportunities. Discover Artificial Intelligence, 2021, 1, 1.	3.1	24
39	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
40	A Data-Driven Realization of the Control-Performance-Oriented Process Monitoring System. IEEE Transactions on Industrial Electronics, 2020, 67, 521-530.	7.9	59
41	Actuator and Sensor Fault Estimation for Time-Delay Markov Jump Systems With Application to Wheeled Mobile Manipulators. IEEE Transactions on Industrial Informatics, 2020, 16, 3222-3232.	11.3	48
42	A Robust Data-Driven Fault Detection Approach for Rolling Mills With Unknown Roll Eccentricity. IEEE Transactions on Control Systems Technology, 2020, 28, 2641-2648.	5.2	48
43	Adaptive neural fault-tolerant control for a class of strict-feedback nonlinear systems with actuator and sensor faults. Neurocomputing, 2020, 380, 87-94.	5.9	33
44	A Novel Control-Performance-Oriented Data-Driven Fault Classification Approach. IEEE Systems Journal, 2020, 14, 1830-1839.	4.6	8
45	Subspace-Aided Closed-Loop System Identification With Application to DC Motor System. IEEE Transactions on Industrial Electronics, 2020, 67, 2304-2313.	7.9	14
46	Nonlinear System Identification With Robust Multiple Model Approach. IEEE Transactions on Control Systems Technology, 2020, 28, 2728-2735.	5.2	9
47	Neural minimal learning backstepping control of stochastic active suspension systems with hydraulic actuator saturation. Journal of the Franklin Institute, 2020, 357, 13687-13706.	3.4	15
48	A neuro-wavelet based approach for diagnosing bearing defects. Advanced Engineering Informatics, 2020, 46, 101172.	8.0	24
49	A Data-Driven Fault Detection Scheme for Complex Industrial Systems Using Riemannian Metric and Randomized Algorithms. , 2020, , .		0
50	A Cross-block Connection Network for Retinal Vessel Segmentation. , 2020, , .		0
51	Guest Editorial Special Issue on Fault Diagnosis and Adaptive Fault-Tolerant Control for Automatic Control Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3330-3332.	9.3	1
52	Adaptive Control for Cyber-Physical Systems against Actuator Attacks. , 2020, , .		7
53	A Data-Driven Fault Diagnosis Approach for Anemometers in Wind Farm. , 2020, , .		0
54	Study of Directional Declustering for Estimating Extreme Wave Heights in the Yellow Sea. Journal of Marine Science and Engineering, 2020, 8, 236.	2.6	8

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55	Neuro-adaptive command filter control of stochastic time-delayed nonstrict-feedback systems with unknown input saturation. Journal of the Franklin Institute, 2020, 357, 7456-7482.	3.4	27
56	Parity-based robust data-driven fault detection for nonlinear systems using just-in-time learning approach. Transactions of the Institute of Measurement and Control, 2020, 42, 1690-1699.	1.7	7
57	A Data-driven Fault Prediction Integrated Design Scheme Based on Ensemble Learning for Thermal Boiler Process. , 2020, , .		5
58	IEEE Access Special Section Editorial: Data-Driven Monitoring, Fault Diagnosis and Control of Cyber-Physical Systems. IEEE Access, 2020, 8, 54110-54114.	4.2	4
59	Improving the safety of distributed cyber-physical systems against false data injection attack by establishing interconnections. , 2020, , .		5
60	A Novel Multivariate Statistical Analysis Aided Deep Learning Approach for Nonlinear System Process Monitoring with Comparison Studies. , 2020, , .		1
61	A recursive modified partial least square aided data-driven predictive control with application to continuous stirred tank heater. Journal of Process Control, 2020, 89, 108-118.	3.3	10
62	Data-driven approaches to fault-tolerant control of industrial robotic systems. , 2020, , 257-283.		0
63	Data-driven Key Performance Indicator Fault Detection Approach Based on Sparse Direct Orthogonalization. IFAC-PapersOnLine, 2020, 53, 11620-11625.	0.9	0
64	An SW-ELM Based Remaining Useful Life Prognostic Approach for Aircraft Engines. IFAC-PapersOnLine, 2020, 53, 13601-13606.	0.9	2
65	An Intelligent Fault Classification Method Based on Data-Driven Stability Margin. , 2020, , .		0
66	Data-driven SOC Estimation with Adaptive Residual Generator for Li-ion Battery. , 2020, , .		4
67	A Study of PnP Process Monitoring Technique on Three-Tank System. , 2019, , .		0
68	An aerial image segmentation approach based on enhanced multi-scale convolutional neural network. , 2019, , .		11
69	Sliding mode control for Markovian jumping systems with time delays. , 2019, , 295-313.		0
70	Large-Angle Velocity-Free Attitude Tracking Control of Satellites: An Observer-Free Framework. IEEE Transactions on Cybernetics, 2019, 51, 1-11.	9.5	8
71	Notice of Retraction: Molecular Diagnostic and Using Deep Learning Techniques for Predict Functional Recovery of Patients Treated of Cardiovascular Disease. IEEE Access, 2019, 7, 120315-120325.	4.2	24
72	Improved Data-Driven SKRs Based Fault Detection for Closed-Loop Systems with Deterministic Disturbance. , 2019, , .		0

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73	Reduced-Order Sliding-Mode-Observer-Based Fault Estimation for Markov Jump Systems. IEEE Transactions on Automatic Control, 2019, 64, 4733-4740.	5.7	75
74	Plug-and-Play Process Control System Design for Three-tank System with Online Tracking Performance Optimization. , 2019, , .		1
75	An Online Recursive Computational Approach for the Closed-Loop Stability Margin of the PnP Process Monitoring and Control Structure. , 2019, , .		0
76	A Novel Recursive Data-Driven Realization of SIR in Closed-Loop System. , 2019, , .		0
77	A Novel Redundant Information Elimination Aided Classification Approach for Cervical Cancer Diagnosis. , 2019, , .		0
78	The Analysis In Dynamic Characteristics for Check Valve of Water Micro-Piston Pump. , 2019, , .		1
79	Data-Driven Disturbance Decoupling Fault Tolerant Control for System with Deterministic Disturbance. , 2019, , .		0
80	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
81	Data-driven adaptive residual generator design using sliding window. , 2019, , .		1
82	Descriptor Observers Design for Markov Jump Systems With Simultaneous Sensor and Actuator Faults. IEEE Transactions on Automatic Control, 2019, 64, 3370-3377.	5.7	72
83	Robust Identification of Nonlinear Systems With Missing Observations: The Case of State-Space Model Structure. IEEE Transactions on Industrial Informatics, 2019, 15, 2763-2774.	11.3	23
84	Using PPG Signals and Wearable Devices for Atrial Fibrillation Screening. IEEE Transactions on Industrial Electronics, 2019, 66, 8832-8842.	7.9	51
85	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
86	Efficient Nonlinear Fault Diagnosis Based on Kernel Sample Equivalent Replacement. IEEE Transactions on Industrial Informatics, 2019, 15, 2682-2690.	11.3	16
87	Exponential Tracking Control of Robotic Manipulators With Uncertain Dynamics and Kinematics. IEEE Transactions on Industrial Informatics, 2019, 15, 689-698.	11.3	123
88	Guest Editorial Focused Section on Health Monitoring, Management, and Control of Complex Mechatronic Systems. IEEE/ASME Transactions on Mechatronics, 2018, 23, 1-4.	5.8	6
89	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
90	SGD-Based Adaptive NN Control Design for Uncertain Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5071-5083.	11.3	31

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91	Fault-Tolerant Cooperative Tracking Control via Integral Sliding Mode Control Technique. IEEE/ASME Transactions on Mechatronics, 2018, 23, 342-351.	5.8	75
92	Fault-Tolerant Control of Time-Delay Markov Jump Systems With <inline-formula> <tex-math notation="LaTeX"> $\that{o}$</tex-math> </inline-formula> Stochastic Process and Output Disturbance Based on Sliding Mode Observer. IEEE Transactions on Industrial Informatics, 2018, 14, 5299-5307.	11.3	120
93	An Approach to Fault Detection for Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1155-1165.	9.3	29
94	An Intelligent Actuator Fault Reconstruction Scheme for Robotic Manipulators. IEEE Transactions on Cybernetics, 2018, 48, 639-647.	9.5	38
95	Reconfigurable Tolerant Control of Uncertain Mechanical Systems With Actuator Faults: A Sliding Mode Observer-Based Approach. IEEE Transactions on Control Systems Technology, 2018, 26, 1249-1258.	5.2	123
96	Robust Identification of LPV Time-Delay System With Randomly Missing Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2198-2208.	9.3	48
97	A Partial Least Squares Aided Intelligent Model Predictive Control Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2013-2021.	9.3	18
98	A novel fault prognostic approach based on particle filters and differential evolution. Applied Intelligence, 2018, 48, 834-853.	5.3	11
99	Closed-Loop Identification of the Data-Driven SKR with Deterministic Disturbance for Fault Detection. , 2018, , .		2
100	An Identification Approach for the Data-Driven SIR in the PnP Monitoring and Control Architecture. , 2018, , .		2
101	Heart-Disease Diagnosis via Support Vector Machine-Based Approaches. , 2018, , .		11
102	A Time Domain Data-Driven Approach for the Estimation of Closed-Loop Stability Margin. , 2018, , .		0
103	A Data-Driven Fault Detection Approach for Dynamic Processes with Sinusoidal Disturbance. , 2018, , .		4
104	Design Approach to MIMO Diagnostic Observer and its Application to Fault Detection. , 2018, , .		6
105	A Data-Driven Process Monitoring Approach with Disturbance Decoupling. , 2018, , .		6
106	Process Monitoring System Design via the Closed-Loop Identified Data-Driven SKR. IFAC-PapersOnLine, 2018, 51, 367-372.	0.9	3
107	Data-driven Fault Diagnosis Scheme for Complex Integrated Control Systems. , 2018, , .		1
108	A Data-Driven Fault Detection Approach for Periodic Rectangular Wave Disturbance. , 2018, , .		2

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109	A Data-Driven Method for SKR Identification and Application to Stability Margin Estimation. , 2018, , .		5
110	A novel observer method for Markov jump systems with simultaneous sensor and actuator faults*. , 2018, , .		0
111	A Locally Weighted Project Regression Approach-Aided Nonlinear Constrained Tracking Control. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 5870-5879.	11.3	17
112	Cyber-physical system based factory monitoring and fault diagnosis framework with plant-wide performance optimization. , 2018, , .		13
113	Key Performance Indicators Relevant Fault Diagnosis and Process Control Approaches for Industrial Applications. Journal of Control Science and Engineering, 2018, 2018, 1-2.	1.0	0
114	Process monitoring of nonlinear industrial process on quality variables based on kernel MPLS. , 2018, , .		1
115	Data-Driven Monitoring and Safety Control of Industrial Cyber-Physical Systems: Basics and Beyond. IEEE Access, 2018, 6, 47374-47384.	4.2	205
116	A Data-Driven Process Monitoring Approach for Dynamic Processes with Deterministic Disturbance. , 2018, , .		1
117	Joint state and fault estimation for time-varying nonlinear systems with randomly occurring faults and sensor saturations. Automatica, 2018, 97, 150-160.	5.0	174
118	Research on Method of Process Monitoring with Deterministic Disturbances Based on Just-in-Time Learning. , 2018, , .		0
119	Data-Driven Design of Fog-Computing-Aided Process Monitoring System for Large-Scale Industrial Processes. IEEE Transactions on Industrial Informatics, 2018, 14, 4631-4641.	11.3	43
120	Fuzzy Adaptive Tracking Control of Constrained Nonlinear Switched Stochastic Pure-Feedback Systems. IEEE Transactions on Cybernetics, 2017, 47, 579-588.	9.5	101
121	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1875-1883.	9.3	126
122	Adaptive Fault-Tolerant Control for Nonlinear System With Unknown Control Directions Based on Fuzzy Approximation. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1909-1918.	9.3	98
123	Variational Bayesian Inference for FIR Models With Randomly Missing Measurements. IEEE Transactions on Industrial Electronics, 2017, 64, 4217-4225.	7.9	35
124	Coordination Task Triggered Formation Control Algorithm for Multiple Marine Vessels. IEEE Transactions on Industrial Electronics, 2017, 64, 4984-4993.	7.9	48
125	An Adaptive NN-Based Approach for Fault-Tolerant Control of Nonlinear Time-Varying Delay Systems With Unmodeled Dynamics. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 1902-1913.	11.3	130
126	Fault Detection for Nonlinear Process With Deterministic Disturbances: A Just-In-Time Learning Based Data Driven Method. IEEE Transactions on Cybernetics, 2017, 47, 3649-3657.	9.5	118

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127	A Kernel Direct Decomposition-Based Monitoring Approach for Nonlinear Quality-Related Fault Detection. IEEE Transactions on Industrial Informatics, 2017, 13, 1565-1574.	11.3	46
128	Sliding Mode Observer-Based FTC for Markovian Jump Systems With Actuator and Sensor Faults. IEEE Transactions on Automatic Control, 2017, 62, 3551-3558.	5.7	208
129	Robust Global Identification and Output Estimation for LPV Dual-Rate Systems Subjected to Random Output Time-Delays. IEEE Transactions on Industrial Informatics, 2017, 13, 2876-2885.	11.3	52
130	A New Disturbance Attenuation Control Scheme for Quadrotor Unmanned Aerial Vehicles. IEEE Transactions on Industrial Informatics, 2017, 13, 2922-2932.	11.3	139
131	Industrial Cyberphysical Systems: A Backbone of the Fourth Industrial Revolution. IEEE Industrial Electronics Magazine, 2017, 11, 6-16.	2.6	275
132	Descriptor reduced-order sliding mode observers design for switched systems with sensor and actuator faults. Automatica, 2017, 76, 282-292.	5.0	255
133	An Overview of Dynamic-Linearization-Based Data-Driven Control and Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4076-4090.	7.9	331
134	Scalability of feedback control systems for plug-and-play control. IFAC-PapersOnLine, 2017, 50, 7529-7534.	0.9	2
135	Adaptive configuration technique for decentralized plug-and-play process monitoring system. , 2017, , .		1
136	A robust quality-related fault detection method for nonlinear processes. , 2017, , .		0
137	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2137-2147.	9.3	97
138	Attitude Stabilization Control of Flexible Satellites With High Accuracy: An Estimator-Based Approach. IEEE/ASME Transactions on Mechatronics, 2017, 22, 349-358.	5.8	55
139	Output Feedback Control of Multirate Sampled-Data Systems With Frequency Specifications. IEEE Transactions on Control Systems Technology, 2017, 25, 1599-1608.	5.2	21
140	Tracking Control of Surface Ships With Disturbance and Uncertainties Rejection Capability. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1154-1162.	5.8	94
141	A Structure Simple Controller for Satellite Attitude Tracking Maneuver. IEEE Transactions on Industrial Electronics, 2017, 64, 1436-1446.	7.9	114
142	Improved Results on Asymptotic Stabilization for Stochastic Nonlinear Time-Delay Systems With Application to a Chemical Reactor System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 195-204.	9.3	77
143	A Data-Driven Fuzzy Information Granulation Approach for Freight Volume Forecasting. IEEE Transactions on Industrial Electronics, 2017, 64, 1447-1456.	7.9	59
144	A Nonlinear Process Monitoring Approach With Locally Weighted Learning of Available Data. IEEE Transactions on Industrial Electronics, 2017, 64, 1507-1516.	7.9	75

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145	A nonlinear quality-related fault detection approach based on modified kernel partial least squares. ISA Transactions, 2017, 66, 275-283.	5.7	79
146	A Data-Driven Learning Approach for Nonlinear Process Monitoring Based on Available Sensing Measurements. IEEE Transactions on Industrial Electronics, 2017, 64, 643-653.	7.9	44
147	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. IEEE Transactions on Industrial Electronics, 2017, 64, 4179-4186.	7.9	57
148	Quality-related Fault Detection Approaches Based on Data Preprocessing * *This work was supported by National Natural Science Foundations of China (No. 61503039, No. 61503040). IFAC-PapersOnLine, 2017, 50, 15740-15747.	0.9	7
149	Robust Just-in-time Learning Approach and Its Application on Fault Detection. IFAC-PapersOnLine, 2017, 50, 15277-15282.	0.9	3
150	Key performance indicator related fault detection based on modified KRR algorithm. , 2017, , .		3
151	Recent results on key performance indicator oriented fault detection using the DB-KIT toolbox. , 2017, , .		12
152	A data driven sensor fault tolerant scheme for nonlinear systems. , 2017, , .		1
153	Analysis of control technology on electromagnetic noise of permanent magnet synchronous motor. , 2017, , .		0
154	Adaptive and iterative residual generator design for PnP process monitoring and control system. , 2017, , .		0
155	Dominant Set Based Density Kernel and Clustering. Lecture Notes in Computer Science, 2017, , 87-94.	1.3	1
156	Observer-based control for robotic manipulations with uncertain kinematics and dynamics. , 2016, , .		0
157	A novel model predictive control strategy in modified PLS framework. , 2016, , .		0
158	An H<inf>â^ž</inf> approach to fault detection for multirate sampled-data systems with frequency specifications. , 2016, , .		0
159	Comparison of KPI related fault detection algorithms using a newly developed MATLAB toolbox: DB-KIT. , 2016, , .		2
160	PCA and KPCA integrated Support Vector Machine for multi-fault classification. , 2016, , .		9
161	A novel nonlinear process monitoring approach: Locally weighted learning based total PLS. , 2016, , .		3
162	A data driven fault detection scheme design for nonlinear industrial systems. , 2016, , .		0

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163	Health monitoring of industrial processes â€" Challenges and solutions. , 2016, , .		0
164	Bayesian non-parametric gradient histogram estimation for texture-enhanced image deblurring. Neurocomputing, 2016, 197, 95-112.	5.9	10
165	Tracking Control of Robotic Manipulators With Uncertain Kinematics and Dynamics. IEEE Transactions on Industrial Electronics, 2016, 63, 6439-6449.	7.9	216
166	DSets-DBSCAN: A Parameter-Free Clustering Algorithm. IEEE Transactions on Image Processing, 2016, 25, 3182-3193.	9.8	172
167	A multivariate statistical combination forecasting method for product quality evaluation. Information Sciences, 2016, 355-356, 229-236.	6.9	68
168	A direct maximum likelihood optimization approach to identification of LPV time-delay systems. Journal of the Franklin Institute, 2016, 353, 1862-1881.	3.4	21
169	Study on the flux-weakening capability of permanent magnet synchronous motor for electric vehicle. Mechatronics, 2016, 38, 115-120.	3.3	11
170	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. IEEE Transactions on Cybernetics, 2016, 46, 1760-1770.	9.5	119
171	Tuning kernel parameters for SVM based on expected square distance ratio. Information Sciences, 2016, 370-371, 92-102.	6.9	47
172	An fast reconstruction approach for actuator fault in robot manipulators. , 2016, , .		3
173	FTC for nonlinear Markovian jump systems with sliding mode observer method. , 2016, , .		1
174	Industrial Cyberâ€"Physical Systems [Scanning the Issue]. Proceedings of the IEEE, 2016, 104, 899-903.	21.3	21
175	On H-infinity Estimation of Randomly Occurring Faults for A Class of Nonlinear Time-Varying Systems With Fading Channels. IEEE Transactions on Automatic Control, 2016, 61, 479-484.	5.7	158
176	Data-Driven Process Monitoring Based on Modified Orthogonal Projections to Latent Structures. IEEE Transactions on Control Systems Technology, 2016, 24, 1480-1487.	5.2	214
177	A Combined Fault Tolerant and Predictive Control for Network-Based Industrial Processes. IEEE Transactions on Industrial Electronics, 2016, , 1-1.	7.9	75
178	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. IEEE Transactions on Cybernetics, 2016, 46, 3135-3144.	9.5	75
179	Observer-Based Fuzzy Control for Nonlinear Networked Systems Under Unmeasurable Premise Variables. IEEE Transactions on Fuzzy Systems, 2016, 24, 1233-1245.	9.8	246
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181	Diagnosis and Prognosis for Complicated Industrial Systemsâ€”Part I. IEEE Transactions on Industrial Electronics, 2016, 63, 2501-2505.	7.9	54
182	State Estimation in Nonlinear System Using Sequential Evolutionary Filter. IEEE Transactions on Industrial Electronics, 2016, 63, 3786-3794.	7.9	124
183	Diagnosis and Prognosis for Complicated Industrial Systemsâ€”Part II. IEEE Transactions on Industrial Electronics, 2016, 63, 3201-3204.	7.9	21
184	A Review on Recent Development of Spacecraft Attitude Fault Tolerant Control System. IEEE Transactions on Industrial Electronics, 2016, 63, 3311-3320.	7.9	301
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