

Shen Yin

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

297
papers

27,379
citations

93
h-index

162
g-index

348
ext. papers

32,607
ext. citations

5.7
avg, IF

8.05
L-index

#	Paper	IF	Citations
297	Prediction of remaining useful life based on bidirectional gated recurrent unit with temporal self-attention mechanism. <i>Reliability Engineering and System Safety</i> , 2022 , 221, 108297	6.3	13
296	An integrated data-driven scheme for the defense of typical cyberphysical attacks. <i>Reliability Engineering and System Safety</i> , 2022 , 220, 108257	6.3	1
295	Distributed Adaptive-Neural Finite-Time Consensus Control for Stochastic Nonlinear Multiagent Systems Subject to Saturated Inputs.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	1
294	Quo vadis artificial intelligence?. <i>Discover Artificial Intelligence</i> , 2022 , 2, 1		1
293	Lesion-attention pyramid network for diabetic retinopathy grading.. <i>Artificial Intelligence in Medicine</i> , 2022 , 126, 102259	7.4	6
292	An adaptive remaining useful life prediction approach for single battery with unlabeled small sample data and parameter uncertainty. <i>Reliability Engineering and System Safety</i> , 2022 , 222, 108357	6.3	7
291	Secure Data Transmission and Trustworthiness Judgement Approaches Against Cyber-Physical Attacks in an Integrated Data-Driven Framework. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 1-11	7.3	0
290	An Ensemble-based Fuzzy Rough Active Learning Approach for Broken Rotor Bar Detection in Nonstationary Environment. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2022 , 1-1	5.2	1
289	An Intelligent Retinal Fundus Image Label Sharing Method by Domain Transformation Technique. <i>Lecture Notes in Networks and Systems</i> , 2022 , 233-241	0.5	
288	Feature Selection and Feature Extraction-Aided Classification Approaches for Disease Diagnosis. <i>Lecture Notes in Networks and Systems</i> , 2022 , 216-224	0.5	
287	Large-Angle Velocity-Free Attitude Tracking Control of Satellites: An Observer-Free Framework. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4722-4732	10.2	4
286	Remaining useful life prediction for ion etching machine cooling system using deep recurrent neural network-based approaches. <i>Control Engineering Practice</i> , 2021 , 109, 104748	3.9	7
285	A Review on Soft Sensors for Monitoring, Control, and Optimization of Industrial Processes. <i>IEEE Sensors Journal</i> , 2021 , 21, 12868-12881	4	72
284	Event-Triggered Adaptive Fuzzy Tracking Control for Pure-Feedback Stochastic Nonlinear Systems With Multiple Constraints. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 1496-1506	8.3	20
283	Optimized Design of Parity Relation-Based Residual Generator for Fault Detection: Data-Driven Approaches. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1449-1458	11.9	55
282	A Novel Bias-Eliminated Subspace Identification Approach for Closed-Loop Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 5197-5205	8.9	4
281	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 1958-1967	11.9	52

280	An Improved Just-in-Time Learning Scheme for Online Fault Detection of Nonlinear Systems. <i>IEEE Systems Journal</i> , 2021 , 15, 2078-2086	4.3	3
279	. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 1571-1580	8.9	7
278	Adaptive SMO-Based Fault Estimation for Markov Jump Systems With Simultaneous Additive and Multiplicative Actuator Faults. <i>IEEE Systems Journal</i> , 2021 , 15, 607-616	4.3	2
277	Adaptive Fuzzy Fault-Tolerant Control for Markov Jump Systems With Additive and Multiplicative Actuator Faults. <i>IEEE Transactions on Fuzzy Systems</i> , 2021 , 29, 772-785	8.3	44
276	. <i>IEEE Systems Journal</i> , 2021 , 15, 2305-2313	4.3	2
275	Neural Network-Based Adaptive Fault-Tolerant Control for Markovian Jump Systems With Nonlinearity and Actuator Faults. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3687-3698	7.3	17
274	Prediction of material removal rate in chemical mechanical polishing via residual convolutional neural network. <i>Control Engineering Practice</i> , 2021 , 107, 104673	3.9	12
273	Finite-time sliding mode control for a 3-DOF fully actuated autonomous surface vehicle. <i>Transactions of the Institute of Measurement and Control</i> , 2021 , 43, 371-389	1.8	1
272	A Deep Learning Based Data-Driven Thruster Fault Diagnosis Approach for Satellite Attitude Control System. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 68, 10162-10170	8.9	6
271	Playing Against Deep Neural Network-Based Object Detectors: A Novel Bidirectional Adversarial Attack Approach. <i>IEEE Transactions on Artificial Intelligence</i> , 2021 , 1-1	4.7	3
270	Performance Degradation Monitoring and Recovery of Vision-Based Control Systems. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-8	4.8	0
269	Performance Supervised Plant-Wide Process Monitoring in Industry 4.0: A Roadmap. <i>IEEE Open Journal of the Industrial Electronics Society</i> , 2021 , 2, 21-35	3.6	24
268	Dual-Loop Tube-based Robust Model Predictive Attitude Tracking Control for Spacecraft with System Constraints and Additive Disturbances. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	7
267	Sparse Actuator and Sensor Attacks Reconstruction for Linear Cyber-physical Systems with Sliding Mode Observer. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 1-1	11.9	4
266	Toward Smart Systems: Their Sensing and Control in Industrial Electronics and Applications. <i>IEEE Industrial Electronics Magazine</i> , 2021 , 15, 104-114	6.2	1
265	Industrial applications of digital twins. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2021 , 379, 20200360	3	19
264	When medical images meet generative adversarial network: recent development and research opportunities. <i>Discover Artificial Intelligence</i> , 2021 , 1, 1		4
263	Integrated Learning Approach Based on Fused Segmentation Information for Skeletal Fluorosis Diagnosis and Severity Grading. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 7554-7563	11.9	4

262	A Novel Subspace-Aided Fault Detection Approach for the Drive Systems of Rolling Mills. <i>IEEE Transactions on Control Systems Technology</i> , 2021 , 1-8	4.8	2
261	Study of Directional Declustering for Estimating Extreme Wave Heights in the Yellow Sea. <i>Journal of Marine Science and Engineering</i> , 2020 , 8, 236	2.4	6
260	Neuro-adaptive command filter control of stochastic time-delayed nonstrict-feedback systems with unknown input saturation. <i>Journal of the Franklin Institute</i> , 2020 , 357, 7456-7482	4	14
259	Parity-based robust data-driven fault detection for nonlinear systems using just-in-time learning approach. <i>Transactions of the Institute of Measurement and Control</i> , 2020 , 42, 1690-1699	1.8	4
258	A Data-driven Fault Prediction Integrated Design Scheme Based on Ensemble Learning for Thermal Boiler Process 2020 ,		3
257	IEEE Access Special Section Editorial: Data-Driven Monitoring, Fault Diagnosis and Control of Cyber-Physical Systems. <i>IEEE Access</i> , 2020 , 8, 54110-54114	3.5	2
256	Improving the safety of distributed cyber-physical systems against false data injection attack by establishing interconnections 2020 ,		1
255	A Novel Multivariate Statistical Analysis Aided Deep Learning Approach for Nonlinear System Process Monitoring with Comparison Studies 2020 ,		1
254	Data-driven SOC Estimation with Adaptive Residual Generator for Li-ion Battery 2020 ,		1
253	A recursive modified partial least square aided data-driven predictive control with application to continuous stirred tank heater. <i>Journal of Process Control</i> , 2020 , 89, 108-118	3.9	4
252	Data-driven Key Performance Indicator Fault Detection Approach Based on Sparse Direct Orthogonalization. <i>IFAC-PapersOnLine</i> , 2020 , 53, 11620-11625	0.7	
251	An SW-ELM Based Remaining Useful Life Prognostic Approach for Aircraft Engines. <i>IFAC-PapersOnLine</i> , 2020 , 53, 13601-13606	0.7	
250	Subspace-Aided Closed-Loop System Identification With Application to DC Motor System. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 2304-2313	8.9	5
249	Nonlinear System Identification With Robust Multiple Model Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 2728-2735	4.8	3
248	Neural minimal learning backstepping control of stochastic active suspension systems with hydraulic actuator saturation. <i>Journal of the Franklin Institute</i> , 2020 , 357, 13687-13706	4	3
247	A neuro-wavelet based approach for diagnosing bearing defects. <i>Advanced Engineering Informatics</i> , 2020 , 46, 101172	7.4	7
246	Prescribed Performance Quantized Tracking Control for a Class of Delayed Switched Nonlinear Systems With Actuator Hysteresis Using a Filter-Connected Switched Hysteretic Quantizer. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , PP,	10.3	2
245	Guest Editorial Special Issue on Fault Diagnosis and Adaptive Fault-Tolerant Control for Automatic Control Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 3330-3332	7.3	1

244	A Data-Driven Realization of the Control-Performance-Oriented Process Monitoring System. <i>IEEE Transactions on Industrial Electronics</i> , 2020 , 67, 521-530	8.9	28
243	Actuator and Sensor Fault Estimation for Time-Delay Markov Jump Systems With Application to Wheeled Mobile Manipulators. <i>IEEE Transactions on Industrial Informatics</i> , 2020 , 16, 3222-3232	11.9	22
242	A Robust Data-Driven Fault Detection Approach for Rolling Mills With Unknown Roll Eccentricity. <i>IEEE Transactions on Control Systems Technology</i> , 2020 , 28, 2641-2648	4.8	21
241	Adaptive neural fault-tolerant control for a class of strict-feedback nonlinear systems with actuator and sensor faults. <i>Neurocomputing</i> , 2020 , 380, 87-94	5.4	12
240	A Novel Control-Performance-Oriented Data-Driven Fault Classification Approach. <i>IEEE Systems Journal</i> , 2020 , 14, 1830-1839	4.3	4
239	Notice of Retraction: Molecular Diagnostic and Using Deep Learning Techniques for Predict Functional Recovery of Patients Treated of Cardiovascular Disease. <i>IEEE Access</i> , 2019 , 7, 120315-120325	3.5	14
238	Reduced-Order Sliding-Mode-Observer-Based Fault Estimation for Markov Jump Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 4733-4740	5.9	53
237	An aerial image segmentation approach based on enhanced multi-scale convolutional neural network 2019 ,		4
236	Sliding mode control for Markovian jumping systems with time delays 2019 , 295-313		
235	Real-Time Monitoring and Control of Industrial Cyberphysical Systems: With Integrated Plant-Wide Monitoring and Control Framework. <i>IEEE Industrial Electronics Magazine</i> , 2019 , 13, 38-47	6.2	100
234	Descriptor Observers Design for Markov Jump Systems With Simultaneous Sensor and Actuator Faults. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 3370-3377	5.9	46
233	Robust Identification of Nonlinear Systems With Missing Observations: The Case of State-Space Model Structure. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2763-2774	11.9	14
232	Using PPG Signals and Wearable Devices for Atrial Fibrillation Screening. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 8832-8842	8.9	33
231	Recent Advances in Key-Performance-Indicator Oriented Prognosis and Diagnosis With a MATLAB Toolbox: DB-KIT. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2849-2858	11.9	112
230	Efficient Nonlinear Fault Diagnosis Based on Kernel Sample Equivalent Replacement. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 2682-2690	11.9	14
229	Exponential Tracking Control of Robotic Manipulators With Uncertain Dynamics and Kinematics. <i>IEEE Transactions on Industrial Informatics</i> , 2019 , 15, 689-698	11.9	86
228	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 1-4	5.5	4
227	Recursive Total Principle Component Regression Based Fault Detection and Its Application to Vehicular Cyber-Physical Systems. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 1415-1423	11.9	114

226	SGD-Based Adaptive NN Control Design for Uncertain Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5071-5083	10.3	17
225	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018 , 23, 342-351	5.5	55
224	Fault-Tolerant Control of Time-Delay Markov Jump Systems With $\hat{\theta}$ Stochastic Process and Output Disturbance Based on Sliding Mode Observer. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 5299-5307	11.9	83
223	An Approach to Fault Detection for Multirate Sampled-Data Systems With Frequency Specifications. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 1155-1165	7.3	20
222	An Intelligent Actuator Fault Reconstruction Scheme for Robotic Manipulators. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 639-647	10.2	26
221	Reconfigurable Tolerant Control of Uncertain Mechanical Systems With Actuator Faults: A Sliding Mode Observer-Based Approach. <i>IEEE Transactions on Control Systems Technology</i> , 2018 , 26, 1249-1258	4.8	93
220	Robust Identification of LPV Time-Delay System With Randomly Missing Measurements. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 2198-2208	7.3	39
219	A Partial Least Squares Aided Intelligent Model Predictive Control Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2018 , 48, 2013-2021	7.3	12
218	Data-Driven Monitoring and Safety Control of Industrial Cyber-Physical Systems: Basics and Beyond. <i>IEEE Access</i> , 2018 , 6, 47374-47384	3.5	151
217	A Data-Driven Process Monitoring Approach for Dynamic Processes with Deterministic Disturbance 2018 ,		1
216	Joint state and fault estimation for time-varying nonlinear systems with randomly occurring faults and sensor saturations. <i>Automatica</i> , 2018 , 97, 150-160	5.7	141
215	Data-Driven Design of Fog-Computing-Aided Process Monitoring System for Large-Scale Industrial Processes. <i>IEEE Transactions on Industrial Informatics</i> , 2018 , 14, 4631-4641	11.9	23
214	A novel fault prognostic approach based on particle filters and differential evolution. <i>Applied Intelligence</i> , 2018 , 48, 834-853	4.9	8
213	Heart-Disease Diagnosis via Support Vector Machine-Based Approaches 2018 ,		4
212	A Data-Driven Fault Detection Approach for Dynamic Processes with Sinusoidal Disturbance 2018 ,		2
211	Design Approach to MIMO Diagnostic Observer and its Application to Fault Detection 2018 ,		5
210	A Data-Driven Process Monitoring Approach with Disturbance Decoupling* 2018 ,		1
209	Process Monitoring System Design via the Closed-Loop Identified Data-Driven SKR. <i>IFAC-PapersOnLine</i> , 2018 , 51, 367-372	0.7	1

208	A Data-Driven Fault Detection Approach for Periodic Rectangular Wave Disturbance 2018 ,		2
207	A Data-Driven Method for SKR Identification and Application to Stability Margin Estimation 2018 ,		1
206	A Locally Weighted Project Regression Approach-Aided Nonlinear Constrained Tracking Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 5870-5879	10.3	11
205	Cyber-physical system based factory monitoring and fault diagnosis framework with plant-wide performance optimization 2018 ,		9
204	Key Performance Indicators Relevant Fault Diagnosis and Process Control Approaches for Industrial Applications. <i>Journal of Control Science and Engineering</i> , 2018 , 2018, 1-2	1.2	
203	Fuzzy Adaptive Tracking Control of Constrained Nonlinear Switched Stochastic Pure-Feedback Systems. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 579-588	10.2	81
202	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1875-1883	7.3	93
201	Adaptive Fault-Tolerant Control for Nonlinear System With Unknown Control Directions Based on Fuzzy Approximation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 1909-1918	7.3	71
200	Variational Bayesian Inference for FIR Models With Randomly Missing Measurements. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4217-4225	8.9	33
199	Coordination Task Triggered Formation Control Algorithm for Multiple Marine Vessels. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4984-4993	8.9	30
198	An Adaptive NN-Based Approach for Fault-Tolerant Control of Nonlinear Time-Varying Delay Systems With Unmodeled Dynamics. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017 , 28, 1902-1913	10.3	93
197	Fault Detection for Nonlinear Process With Deterministic Disturbances: A Just-In-Time Learning Based Data Driven Method. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 3649-3657	10.2	77
196	. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 1565-1574	11.9	39
195	Sliding Mode Observer-Based FTC for Markovian Jump Systems With Actuator and Sensor Faults. <i>IEEE Transactions on Automatic Control</i> , 2017 , 62, 3551-3558	5.9	153
194	Robust Global Identification and Output Estimation for LPV Dual-Rate Systems Subjected to Random Output Time-Delays. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2876-2885	11.9	41
193	A New Disturbance Attenuation Control Scheme for Quadrotor Unmanned Aerial Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , 2017 , 13, 2922-2932	11.9	87
192	Industrial Cyberphysical Systems: A Backbone of the Fourth Industrial Revolution. <i>IEEE Industrial Electronics Magazine</i> , 2017 , 11, 6-16	6.2	179
191	Descriptor reduced-order sliding mode observers design for switched systems with sensor and actuator faults. <i>Automatica</i> , 2017 , 76, 282-292	5.7	198

190	An Overview of Dynamic-Linearization-Based Data-Driven Control and Applications. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4076-4090	8.9	180
189	Scalability of feedback control systems for plug-and-play control. <i>IFAC-PapersOnLine</i> , 2017 , 50, 7529-7534	7	0
188	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 2137-2147	7.3	88
187	Attitude Stabilization Control of Flexible Satellites With High Accuracy: An Estimator-Based Approach. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 349-358	5.5	46
186	Output Feedback Control of Multirate Sampled-Data Systems With Frequency Specifications. <i>IEEE Transactions on Control Systems Technology</i> , 2017 , 25, 1599-1608	4.8	12
185	Tracking Control of Surface Ships With Disturbance and Uncertainties Rejection Capability. <i>IEEE/ASME Transactions on Mechatronics</i> , 2017 , 22, 1154-1162	5.5	61
184	A Structure Simple Controller for Satellite Attitude Tracking Maneuver. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1436-1446	8.9	91
183	Improved Results on Asymptotic Stabilization for Stochastic Nonlinear Time-Delay Systems With Application to a Chemical Reactor System. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2017 , 47, 195-204	7.3	50
182	A Data-Driven Fuzzy Information Granulation Approach for Freight Volume Forecasting. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1447-1456	8.9	49
181	A Nonlinear Process Monitoring Approach With Locally Weighted Learning of Available Data. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 1507-1516	8.9	54
180	A nonlinear quality-related fault detection approach based on modified kernel partial least squares. <i>ISA Transactions</i> , 2017 , 66, 275-283	5.5	50
179	A Data-Driven Learning Approach for Nonlinear Process Monitoring Based on Available Sensing Measurements. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 643-653	8.9	37
178	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2017 , 64, 4179-4186	8.9	50
177	Quality-related Fault Detection Approaches Based on Data Preprocessing. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15740-15747	0.7	3
176	Robust Just-in-time Learning Approach and Its Application on Fault Detection. <i>IFAC-PapersOnLine</i> , 2017 , 50, 15277-15282	0.7	0
175	Recent results on key performance indicator oriented fault detection using the DB-KIT toolbox 2017 ,		10
174	Dominant Set Based Density Kernel and Clustering. <i>Lecture Notes in Computer Science</i> , 2017 , 87-94	0.9	0
173	Robust Multiobjective Controllability of Complex Neuronal Networks. <i>IEEE/ACM Transactions on Computational Biology and Bioinformatics</i> , 2016 , 13, 778-91	3	12

172	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems With Unmodeled Dynamics. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1926-38	10.2	228
171	Fuzzy-Model-Based Reliable Static Output Feedback H_{∞} Control of Nonlinear Hyperbolic PDE Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 388-400	8.3	323
170	A Combined Adaptive Neural Network and Nonlinear Model Predictive Control for Multirate Networked Industrial Process Control. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 416-25	10.3	419
169	Tuning kernel parameters for SVM based on expected square distance ratio. <i>Information Sciences</i> , 2016 , 370-371, 92-102	7.7	33
168	An fast reconstruction approach for actuator fault in robot manipulators 2016 ,		1
167	FTC for nonlinear Markovian jump systems with sliding mode observer method 2016 ,		1
166	Industrial CyberPhysical Systems [Scanning the Issue]. <i>Proceedings of the IEEE</i> , 2016 , 104, 899-903	14.3	15
165	On H-infinity Estimation of Randomly Occurring Faults for A Class of Nonlinear Time-Varying Systems With Fading Channels. <i>IEEE Transactions on Automatic Control</i> , 2016 , 61, 479-484	5.9	137
164	. <i>IEEE Transactions on Control Systems Technology</i> , 2016 , 24, 1480-1487	4.8	153
163	A Combined Fault-Tolerant and Predictive Control for Network-Based Industrial Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 1-1	8.9	50
162	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 3135-3144	10.2	59
161	. <i>IEEE Transactions on Fuzzy Systems</i> , 2016 , 24, 1233-1245	8.3	185
160	Velocity-Free Fault-Tolerant and Uncertainty Attenuation Control for a Class of Nonlinear Systems. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 4400-4411	8.9	125
159	Diagnosis and Prognosis for Complicated Industrial SystemsPart I. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 2501-2505	8.9	42
158	State Estimation in Nonlinear System Using Sequential Evolutionary Filter. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3786-3794	8.9	96
157	Diagnosis and Prognosis for Complicated Industrial SystemsPart II. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3201-3204	8.9	18
156	A Review on Recent Development of Spacecraft Attitude Fault Tolerant Control System. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 3311-3320	8.9	181
155	A variance-constrained approach to recursive state estimation for time-varying complex networks with missing measurements. <i>Automatica</i> , 2016 , 64, 155-162	5.7	305

154	Robust H_{∞} Self-Triggered Control of Networked Systems Under Packet Dropouts. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 3294-3305	10.2	67
153	Recent Advances on Fuzzy-Model-Based Nonlinear Networked Control Systems: A Survey. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 1207-1217	8.9	246
152	PCA and KPCA integrated Support Vector Machine for multi-fault classification 2016 ,		7
151	A novel nonlinear process monitoring approach: Locally weighted learning based total PLS 2016 ,		2
150	Bayesian non-parametric gradient histogram estimation for texture-enhanced image deblurring. <i>Neurocomputing</i> , 2016 , 197, 95-112	5.4	8
149	Tracking Control of Robotic Manipulators With Uncertain Kinematics and Dynamics. <i>IEEE Transactions on Industrial Electronics</i> , 2016 , 63, 6439-6449	8.9	158
148	Dsets-DBSCAN: A Parameter-Free Clustering Algorithm. <i>IEEE Transactions on Image Processing</i> , 2016 , 25, 3182-3193	8.7	106
147	A multivariate statistical combination forecasting method for product quality evaluation. <i>Information Sciences</i> , 2016 , 355-356, 229-236	7.7	50
146	A direct maximum likelihood optimization approach to identification of LPV time-delay systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 1862-1881	4	17
145	Study on the flux-weakening capability of permanent magnet synchronous motor for electric vehicle. <i>Mechatronics</i> , 2016 , 38, 115-120	3	8
144	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 1760-70	10.2	102
143	Switching Stabilization for a Class of Slowly Switched Systems. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 221-226	5.9	241
142	Finite-horizon reliable control with randomly occurring uncertainties and nonlinearities subject to output quantization. <i>Automatica</i> , 2015 , 52, 355-362	5.7	133
141	Nonlinear Robust Attitude Tracking Control of a Table-Mount Experimental Helicopter Using Output Feedback. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 5665-5676	8.9	34
140	. <i>IEEE/ASME Transactions on Mechatronics</i> , 2015 , 20, 2613-2620	5.5	208
139	Data-Driven Control and Process Monitoring for Industrial Applications Part II. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 62, 583-586	8.9	37
138	Big Data for Modern Industry: Challenges and Trends [Point of View]. <i>Proceedings of the IEEE</i> , 2015 , 103, 143-146	14.3	316
137	Finite-Time Stabilization for Vehicle Active Suspension Systems With Hard Constraints. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2015 , 16, 2663-2672	6.1	96

136	Intelligent Particle Filter and Its Application to Fault Detection of Nonlinear System. <i>IEEE Transactions on Industrial Electronics</i> , 2015 , 1-1	8.9	127
135	Introduction of SVM algorithms and recent applications about fault diagnosis and other aspects 2015 ,		5
134	Robust Frequency-Domain Constrained Feedback Design via a Two-Stage Heuristic Approach. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2065-75	10.2	23
133	Quality-Related Fault Detection Approach Based on Orthogonal Signal Correction and Modified PLS. <i>IEEE Transactions on Industrial Informatics</i> , 2015 , 1-1	11.9	18
132	Generalized expectation maximization approach to LPV process identification with randomly missing output data. <i>Chemometrics and Intelligent Laboratory Systems</i> , 2015 , 148, 1-8	3.8	13
131	Robust output-feedback attitude control of a three-degree-of-freedom helicopter via sliding-mode observation technique. <i>IET Control Theory and Applications</i> , 2015 , 9, 1637-1643	2.5	16
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