

Shen Yin

List of Publications by Year in descending order

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348
times ranked

13884
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Basic Data-Driven Approaches for Industrial Process Monitoring. IEEE Transactions on Industrial Electronics, 2014, 61, 6418-6428.	5.2	1,276
2	A new delay system approach to network-based control. Automatica, 2008, 44, 39-52.	3.0	1,189
3	A comparison study of basic data-driven fault diagnosis and process monitoring methods on the benchmark Tennessee Eastman process. Journal of Process Control, 2012, 22, 1567-1581.	1.7	1,110
4	Network-Induced Constraints in Networked Control Systems—A Survey. IEEE Transactions on Industrial Informatics, 2013, 9, 403-416.	7.2	915
5	Data-Based Techniques Focused on Modern Industry: An Overview. IEEE Transactions on Industrial Electronics, 2015, 62, 657-667.	5.2	822
6	Asynchronously switched control of switched linear systems with average dwell time. Automatica, 2010, 46, 953-958.	3.0	700
7	Reliable Fuzzy Control for Active Suspension Systems With Actuator Delay and Fault. IEEE Transactions on Fuzzy Systems, 2012, 20, 342-357.	6.5	566
8	State Estimation and Sliding-Mode Control of Markovian Jump Singular Systems. IEEE Transactions on Automatic Control, 2010, 55, 1213-1219.	3.6	559
9	\mathcal{H}_∞ Estimation for Uncertain Systems With Limited Communication Capacity. IEEE Transactions on Automatic Control, 2007, 52, 2070-2084.	3.6	552
10	A Combined Adaptive Neural Network and Nonlinear Model Predictive Control for Multirate Networked Industrial Process Control. IEEE Transactions on Neural Networks and Learning Systems, 2016, 27, 416-425.	7.2	523
11	Real-Time Implementation of Fault-Tolerant Control Systems With Performance Optimization. IEEE Transactions on Industrial Electronics, 2014, 61, 2402-2411.	5.2	520
12	Fault-tolerant control of Markovian jump stochastic systems via the augmented sliding mode observer approach. Automatica, 2014, 50, 1825-1834.	3.0	515
13	Improved PLS Focused on Key-Performance-Indicator-Related Fault Diagnosis. IEEE Transactions on Industrial Electronics, 2015, 62, 1651-1658.	5.2	472
14	Notice of Violation of IEEE Publication Principles: New Delay-Dependent Exponential \mathcal{H}_∞ Synchronization for Uncertain Neural Networks With Mixed Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2010, 40, 173-185.	5.5	428
15	Big Data for Modern Industry: Challenges and Trends [Point of View]. Proceedings of the IEEE, 2015, 103, 143-146.	16.4	422
16	Fuzzy-Model-Based Reliable Static Output Feedback \mathcal{H}_∞ Control of Nonlinear Hyperbolic PDE Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 388-400.	6.5	394
17	Network-Based \mathcal{H}_∞ Output Tracking Control. IEEE Transactions on Automatic Control, 2008, 53, 655-667.	3.6	385
18	A Delay-Dependent Approach to Robust \mathcal{H}_∞ Filtering for Uncertain Discrete-Time State-Delayed Systems. IEEE Transactions on Signal Processing, 2004, 52, 1631-1640.	3.2	371

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19	Finite Frequency H_{∞} Control for Vehicle Active Suspension Systems. IEEE Transactions on Control Systems Technology, 2011, 19, 416-422.	3.2	370
20	Adaptive Backstepping Control for Active Suspension Systems With Hard Constraints. IEEE/ASME Transactions on Mechatronics, 2013, 18, 1072-1079.	3.7	365
21	H_{∞} filtering for 2D Markovian jump systems. Automatica, 2008, 44, 1849-1858.	3.0	360
22	Distributed H_{∞} Filtering for a Class of Markovian Jump Nonlinear Time-Delay Systems Over Lossy Sensor Networks. IEEE Transactions on Industrial Electronics, 2013, 60, 4665-4672.	5.2	360
23	A variance-constrained approach to recursive state estimation for time-varying complex networks with missing measurements. Automatica, 2016, 64, 155-162.	3.0	350
24	Robust Sampled-Data H_{∞} Control for Vehicle Active Suspension Systems. IEEE Transactions on Control Systems Technology, 2010, 18, 238-245.	3.2	332
25	An Overview of Dynamic-Linearization-Based Data-Driven Control and Applications. IEEE Transactions on Industrial Electronics, 2017, 64, 4076-4090.	5.2	331
26	Data-driven design of robust fault detection system for wind turbines. Mechatronics, 2014, 24, 298-306.	2.0	321
27	Quantised recursive filtering for a class of nonlinear systems with multiplicative noises and missing measurements. International Journal of Control, 2013, 86, 650-663.	1.2	320
28	Recent Advances on Fuzzy-Model-Based Nonlinear Networked Control Systems: A Survey. IEEE Transactions on Industrial Electronics, 2016, 63, 1207-1217.	5.2	320
29	Fuzzy-Model-Based Piecewise H_{∞} Static-Output-Feedback Controller Design for Networked Nonlinear Systems. IEEE Transactions on Fuzzy Systems, 2010, 18, 919-934.	6.5	311
30	Adaptive Fuzzy Control of Strict-Feedback Nonlinear Time-Delay Systems With Unmodeled Dynamics. IEEE Transactions on Cybernetics, 2016, 46, 1926-1938.	6.2	308
31	Network-based feedback control for systems with mixed delays based on quantization and dropout compensation. Automatica, 2011, 47, 2805-2809.	3.0	307
32	Stability analysis for continuous systems with two additive time-varying delay components. Systems and Control Letters, 2007, 56, 16-24.	1.3	306
33	A Review on Recent Development of Spacecraft Attitude Fault Tolerant Control System. IEEE Transactions on Industrial Electronics, 2016, 63, 3311-3320.	5.2	301
34	Robust sampled-data H_{∞} control with stochastic sampling. Automatica, 2009, 45, 1729-1736.	3.0	299
35	Switching Stabilization for a Class of Slowly Switched Systems. IEEE Transactions on Automatic Control, 2015, 60, 221-226.	3.6	295
36	Static-Output-Feedback H_{∞} Control of Continuous-Time Tâ€™S Fuzzy Affine Systems Via Piecewise Lyapunov Functions. IEEE Transactions on Fuzzy Systems, 2013, 21, 245-261.	6.5	276

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37	Industrial Cyberphysical Systems: A Backbone of the Fourth Industrial Revolution. IEEE Industrial Electronics Magazine, 2017, 11, 6-16.	2.3	275
38	Synchronization in complex networks and its application – A survey of recent advances and challenges. Annual Reviews in Control, 2014, 38, 184-198.	4.4	274
39	Stability and Stabilization of Delayed T–S Fuzzy Systems: A Delay Partitioning Approach. IEEE Transactions on Fuzzy Systems, 2009, 17, 750-762.	6.5	273
40	Distributed Synchronization in Networks of Agent Systems With Nonlinearities and Random Switchings. IEEE Transactions on Cybernetics, 2013, 43, 358-370.	6.2	271
41	Fuzzy Filtering of Nonlinear Systems With Intermittent Measurements. IEEE Transactions on Fuzzy Systems, 2009, 17, 291-300.	6.5	267
42	Data-driven monitoring for stochastic systems and its application on batch process. International Journal of Systems Science, 2013, 44, 1366-1376.	3.7	258
43	Performance Monitoring for Vehicle Suspension System via Fuzzy Positivistic C-Means Clustering Based on Accelerometer Measurements. IEEE/ASME Transactions on Mechatronics, 2015, 20, 2613-2620.	3.7	258
44	Descriptor reduced-order sliding mode observers design for switched systems with sensor and actuator faults. Automatica, 2017, 76, 282-292.	3.0	255
45	A Review on Soft Sensors for Monitoring, Control, and Optimization of Industrial Processes. IEEE Sensors Journal, 2021, 21, 12868-12881.	2.4	252
46	Observer-Based Fuzzy Control for Nonlinear Networked Systems Under Unmeasurable Premise Variables. IEEE Transactions on Fuzzy Systems, 2016, 24, 1233-1245.	6.5	246
47	Robust H_{∞} Filtering for Markovian Jump Systems With Randomly Occurring Nonlinearities and Sensor Saturation: The Finite-Horizon Case. IEEE Transactions on Signal Processing, 2011, 59, 3048-3057.	3.2	240
48	Fuzzy-Model-Based Robust Fault Detection With Stochastic Mixed Time Delays and Successive Packet Dropouts. IEEE Transactions on Systems, Man, and Cybernetics, 2012, 42, 365-376.	5.5	240
49	Stabilization of Nonlinear Systems Under Variable Sampling: A Fuzzy Control Approach. IEEE Transactions on Fuzzy Systems, 2007, 15, 972-983.	6.5	239
50	Observer-Based Piecewise Affine Output Feedback Controller Synthesis of Continuous-Time T–S Fuzzy Affine Dynamic Systems Using Quantized Measurements. IEEE Transactions on Fuzzy Systems, 2012, 20, 1046-1062.	6.5	238
51	Active Suspension Control With Frequency Band Constraints and Actuator Input Delay. IEEE Transactions on Industrial Electronics, 2012, 59, 530-537.	5.2	226
52	Fault Detection for Markovian Jump Systems With Sensor Saturations and Randomly Varying Nonlinearities. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2354-2362.	3.5	226
53	Asynchronous Output-Feedback Control of Networked Nonlinear Systems With Multiple Packet Dropouts: T–S Fuzzy Affine Model-Based Approach. IEEE Transactions on Fuzzy Systems, 2011, 19, 1014-1030.	6.5	223
54	A Novel Scheme for Key Performance Indicator Prediction and Diagnosis With Application to an Industrial Hot Strip Mill. IEEE Transactions on Industrial Informatics, 2013, 9, 2239-2247.	7.2	223

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55	Positive Observers and Dynamic Output-Feedback Controllers for Interval Positive Linear Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 3209-3222.	3.5	222
56	Adaptive Fuzzy Backstepping Control for A Class of Nonlinear Systems With Sampled and Delayed Measurements. IEEE Transactions on Fuzzy Systems, 2015, 23, 302-312.	6.5	222
57	Multi-objective control of vehicle active suspension systems via load-dependent controllers. Journal of Sound and Vibration, 2006, 290, 654-675.	2.1	216
58	Fault Detection for Fuzzy Systems With Intermittent Measurements. IEEE Transactions on Fuzzy Systems, 2009, 17, 398-410.	6.5	216
59	Tracking Control of Robotic Manipulators With Uncertain Kinematics and Dynamics. IEEE Transactions on Industrial Electronics, 2016, 63, 6439-6449.	5.2	216
60	Data-Driven Process Monitoring Based on Modified Orthogonal Projections to Latent Structures. IEEE Transactions on Control Systems Technology, 2016, 24, 1480-1487.	3.2	214
61	Sliding Mode Observer-Based FTC for Markovian Jump Systems With Actuator and Sensor Faults. IEEE Transactions on Automatic Control, 2017, 62, 3551-3558.	3.6	208
62	Data-Driven Monitoring and Safety Control of Industrial Cyber-Physical Systems: Basics and Beyond. IEEE Access, 2018, 6, 47374-47384.	2.6	205
63	Intelligent Particle Filter and Its Application on Fault Detection of Nonlinear System. IEEE Transactions on Industrial Electronics, 2015, , 1-1.	5.2	200
64	New results on stabilization of Markovian jump systems with time delay. Automatica, 2009, 45, 2300-2306.	3.0	199
65	A New Model Transformation of Discrete-Time Systems With Time-Varying Delay and Its Application to Stability Analysis. IEEE Transactions on Automatic Control, 2011, 56, 2172-2178.	3.6	198
66	Improved results on stability of continuous-time switched positive linear systems. Automatica, 2014, 50, 614-621.	3.0	198
67	Model reduction for interval type-2 Takagi-Sugeno fuzzy systems. Automatica, 2015, 61, 308-314.	3.0	197
68	Stability Analysis and Stabilization for Discrete-Time Fuzzy Systems With Time-Varying Delay. IEEE Transactions on Systems, Man, and Cybernetics, 2009, 39, 306-317.	5.5	176
69	Joint state and fault estimation for time-varying nonlinear systems with randomly occurring faults and sensor saturations. Automatica, 2018, 97, 150-160.	3.0	174
70	Dsets-DBSCAN: A Parameter-Free Clustering Algorithm. IEEE Transactions on Image Processing, 2016, 25, 3182-3193.	6.0	172
71	New Passivity Analysis for Neural Networks With Discrete and Distributed Delays. IEEE Transactions on Neural Networks, 2010, 21, 1842-1847.	4.8	165
72	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.	7.2	159

#	ARTICLE	IF	CITATIONS
73	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.	3.6	158
74	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.	7.2	157
75	Lightweight Attention Convolutional Neural Network for Retinal Vessel Image Segmentation. IEEE Transactions on Industrial Informatics, 2021, 17, 1958-1967.	7.2	153
76	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.	2.3	152
77	Multi-objective control for uncertain nonlinear active suspension systems. Mechatronics, 2014, 24, 318-327.	2.0	151
78	Finite-horizon estimation of randomly occurring faults for a class of nonlinear time-varying systems. Automatica, 2014, 50, 3182-3189.	3.0	150
79	Robust PLS approach for KPI-related prediction and diagnosis against outliers and missing data. International Journal of Systems Science, 2014, 45, 1375-1382.	3.7	149
80	H_{∞} Fuzzy Control of Nonlinear Systems Under Unreliable Communication Links. IEEE Transactions on Fuzzy Systems, 2009, 17, 265-278.	6.5	148
81	Nonsynchronized Robust Filtering Design for Continuous-Time \mathcal{H}_{∞} Fuzzy Affine Dynamic Systems Based on Piecewise Lyapunov Functions. IEEE Transactions on Cybernetics, 2013, 43, 1755-1766.	6.2	148
82	Finite-horizon reliable control with randomly occurring uncertainties and nonlinearities subject to output quantization. Automatica, 2015, 52, 355-362.	3.0	144
83	Robust \mathcal{H}_{∞} Finite-Horizon Control for a Class of Stochastic Nonlinear Time-Varying Systems Subject to Sensor and Actuator Saturations. IEEE Transactions on Automatic Control, 2010, 55, 1716-1722.	3.6	143
84	Velocity-Free Fault-Tolerant and Uncertainty Attenuation Control for a Class of Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2016, 63, 4400-4411.	5.2	143
85	A New Disturbance Attenuation Control Scheme for Quadrotor Unmanned Aerial Vehicles. IEEE Transactions on Industrial Informatics, 2017, 13, 2922-2932.	7.2	139
86	Fault detection based on a robust one class support vector machine. Neurocomputing, 2014, 145, 263-268.	3.5	135
87	H_{∞} Filtering for Discrete-Time State-Delayed Systems With Finite Frequency Specifications. IEEE Transactions on Automatic Control, 2011, 56, 2935-2941.	3.6	134
88	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.	7.2	130
89	Networked Multirate Output Feedback Control for Setpoints Compensation and Its Application to Rougher Flotation Process. IEEE Transactions on Industrial Electronics, 2014, 61, 460-468.	5.2	129
90	Adaptive Indirect Fuzzy Sliding Mode Controller for Networked Control Systems Subject to Time-Varying Network-Induced Time Delay. IEEE Transactions on Fuzzy Systems, 2015, 23, 205-214.	6.5	128

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91	An Integrated Design Framework of Fault-Tolerant Wireless Networked Control Systems for Industrial Automatic Control Applications. IEEE Transactions on Industrial Informatics, 2013, 9, 462-471.	7.2	127
92	Adaptive Neural Control of Stochastic Nonlinear Time-Delay Systems With Multiple Constraints. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1875-1883.	5.9	126
93	Prediction of remaining useful life based on bidirectional gated recurrent unit with temporal self-attention mechanism. Reliability Engineering and System Safety, 2022, 221, 108297.	5.1	126
94	On the application of PCA technique to fault diagnosis. Tsinghua Science and Technology, 2010, 15, 138-144.	4.1	125
95	Finite-Time Stabilization for Vehicle Active Suspension Systems With Hard Constraints. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 2663-2672.	4.7	124
96	State Estimation in Nonlinear System Using Sequential Evolutionary Filter. IEEE Transactions on Industrial Electronics, 2016, 63, 3786-3794.	5.2	124
97	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.	3.2	123
98	Exponential Tracking Control of Robotic Manipulators With Uncertain Dynamics and Kinematics. IEEE Transactions on Industrial Informatics, 2019, 15, 689-698.	7.2	123
99	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.	7.2	120
100	Performance-Based Adaptive Fuzzy Tracking Control for Networked Industrial Processes. IEEE Transactions on Cybernetics, 2016, 46, 1760-1770.	6.2	119
101	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.	6.2	118
102	Pinning Distributed Synchronization of Stochastic Dynamical Networks: A Mixed Optimization Approach. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1804-1815.	7.2	116
103	A Structure Simple Controller for Satellite Attitude Tracking Maneuver. IEEE Transactions on Industrial Electronics, 2017, 64, 1436-1446.	5.2	114
104	Optimized Design of Parity Relation-Based Residual Generator for Fault Detection: Data-Driven Approaches. IEEE Transactions on Industrial Informatics, 2021, 17, 1449-1458.	7.2	114
105	Model simplification for switched hybrid systems. Systems and Control Letters, 2006, 55, 1015-1021.	1.3	113
106	H_{∞} Filtering For Nonlinear Discrete-Time Systems Subject to Quantization and Packet Dropouts. IEEE Transactions on Fuzzy Systems, 2011, 19, 353-365.	6.5	111
107	Adaptive Fuzzy Fault-Tolerant Control for Markov Jump Systems With Additive and Multiplicative Actuator Faults. IEEE Transactions on Fuzzy Systems, 2021, 29, 772-785.	6.5	103
108	Industrial applications of digital twins. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200360.	1.6	102

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109	Fuzzy Adaptive Tracking Control of Constrained Nonlinear Switched Stochastic Pure-Feedback Systems. IEEE Transactions on Cybernetics, 2017, 47, 579-588.	6.2	101
110	Data-Driven Adaptive Observer for Fault Diagnosis. Mathematical Problems in Engineering, 2012, 2012, 1-21.	0.6	100
111	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.	5.9	98
112	An LWPR-Based Data-Driven Fault Detection Approach for Nonlinear Process Monitoring. IEEE Transactions on Industrial Informatics, 2014, 10, 2016-2023.	7.2	97
113	Network-Based Fuzzy Control for Nonlinear Industrial Processes With Predictive Compensation Strategy. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 2137-2147.	5.9	97
114	Mixed $\frac{H_2}{H_\infty}$ output-feedback control of second-order neutral systems with time-varying state and input delays. ISA Transactions, 2008, 47, 311-324.	3.1	96
115	Tracking Control of Surface Ships With Disturbance and Uncertainties Rejection Capability. IEEE/ASME Transactions on Mechatronics, 2017, 22, 1154-1162.	3.7	94
116	A Heuristic Approach to Static Output-Feedback Controller Synthesis With Restricted Frequency-Domain Specifications. IEEE Transactions on Automatic Control, 2014, 59, 1008-1014.	3.6	92
117	Vibration control for active seat suspension systems via dynamic output feedback with limited frequency characteristic. Mechatronics, 2011, 21, 250-260.	2.0	87
118	Efficient Recursive Principal Component Analysis Algorithms for Process Monitoring. Industrial & Engineering Chemistry Research, 2010, 49, 252-259.	1.8	86
119	Generalized Kalmanâ€“Yakubovichâ€“Popov Lemma for 2-D FM LSS Model. IEEE Transactions on Automatic Control, 2012, 57, 3090-3103.	3.6	86
120	Finite frequency control for building under earthquake excitation. Mechatronics, 2010, 20, 128-142.	2.0	85
121	Performance Supervised Plant-Wide Process Monitoring in Industry 4.0: A Roadmap. IEEE Open Journal of the Industrial Electronics Society, 2021, 2, 21-35.	4.8	82
122	Robust H_∞ Self-Triggered Control of Networked Systems Under Packet Dropouts. IEEE Transactions on Cybernetics, 2016, 46, 3294-3305.	6.2	81
123	Asymptotic stability and stabilisation of uncertain delta operator systems with time-varying delays. IET Control Theory and Applications, 2013, 7, 1071-1078.	1.2	79
124	A nonlinear quality-related fault detection approach based on modified kernel partial least squares. ISA Transactions, 2017, 66, 275-283.	3.1	79
125	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.	5.9	77
126	Stabilization of Networked Control Systems via Dynamic Output-Feedback Controllers. SIAM Journal on Control and Optimization, 2010, 48, 3643-3658.	1.1	76

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127	Probability-guaranteed H finite-horizon filtering for a class of nonlinear time-varying systems with sensor saturations. <i>Systems and Control Letters</i> , 2012, 61, 477-484.	5.2	76
128	A Combined Fault Tolerant and Predictive Control for Network-Based Industrial Processes. <i>IEEE Transactions on Industrial Electronics</i> , 2016, , 1-1.	5.2	75
129	An Improved Incremental Learning Approach for KPI Prognosis of Dynamic Fuel Cell System. <i>IEEE Transactions on Cybernetics</i> , 2016, 46, 3135-3144.	6.2	75
130	A Nonlinear Process Monitoring Approach With Locally Weighted Learning of Available Data. <i>IEEE Transactions on Industrial Electronics</i> , 2017, 64, 1507-1516.	5.2	75
131	Fault-Tolerant Cooperative Tracking Control via Integral Sliding Mode Control Technique. <i>IEEE/ASME Transactions on Mechatronics</i> , 2018, 23, 342-351.	3.7	75
132	Reduced-Order Sliding-Mode-Observer-Based Fault Estimation for Markov Jump Systems. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 4733-4740.	3.6	75
133	Quo vadis artificial intelligence?. <i>Discover Artificial Intelligence</i> , 2022, 2, 1.	2.1	75
134	Discrete bilinear stochastic systems with time-varying delay: Stability analysis and control synthesis. <i>Chaos, Solitons and Fractals</i> , 2007, 34, 394-404.	2.5	73
135	Observer-based FDI Schemes for Wind Turbine Benchmark. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 7073-7078.	0.4	72
136	Descriptor Observers Design for Markov Jump Systems With Simultaneous Sensor and Actuator Faults. <i>IEEE Transactions on Automatic Control</i> , 2019, 64, 3370-3377.	3.6	72
137	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.	5.1	71
138	Stability analysis and H controller synthesis of discrete-time switched systems with time delay. <i>Systems and Control Letters</i> , 2014, 66, 85-93.	3.6	69
139	Data-Driven Control and Process Monitoring for Industrial Applications—Part I. <i>IEEE Transactions on Industrial Electronics</i> , 2014, 61, 6356-6359.	5.2	68
140	A multivariate statistical combination forecasting method for product quality evaluation. <i>Information Sciences</i> , 2016, 355-356, 229-236.	4.0	68
141	Adaptive partial-state feedback control for stochastic high-order nonlinear systems with stochastic input-to-state stable inverse dynamics. <i>Automatica</i> , 2015, 51, 285-291.	3.0	66
142	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> , 2022, 69, 4022-4033.	5.2	66
143	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.	6.5	65
144	Study on modifications of PLS approach for process monitoring. <i>IFAC Postprint Volumes IPPV / International Federation of Automatic Control</i> , 2011, 44, 12389-12394.	0.4	63

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145	Passivity-preserving model reduction with finite frequency $\frac{H}{H}$ approximation performance. Automatica, 2014, 50, 2294-2303.	3.0	63
146	A Data-Driven Fuzzy Information Granulation Approach for Freight Volume Forecasting. IEEE Transactions on Industrial Electronics, 2017, 64, 1447-1456.	5.2	59
147	A Data-Driven Realization of the Control-Performance-Oriented Process Monitoring System. IEEE Transactions on Industrial Electronics, 2020, 67, 521-530.	5.2	59
148	On design of quantized fault detection filters with randomly occurring nonlinearities and mixed time-delays. Signal Processing, 2012, 92, 1117-1125.	2.1	58
149	Data-Based Optimal Control for Networked Double-Layer Industrial Processes. IEEE Transactions on Industrial Electronics, 2017, 64, 4179-4186.	5.2	57
150	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.	5.9	56
151	Attitude Stabilization Control of Flexible Satellites With High Accuracy: An Estimator-Based Approach. IEEE/ASME Transactions on Mechatronics, 2017, 22, 349-358.	3.7	55
152	Diagnosis and Prognosis for Complicated Industrial Systems—Part I. IEEE Transactions on Industrial Electronics, 2016, 63, 2501-2505.	5.2	54
153	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.	7.2	52
154	Enhanced quality-related fault detection approach based on OSC and M-PLS. IEEE Transactions on Industrial Informatics, 2015, , 1-1.	7.2	51
155	Using PPG Signals and Wearable Devices for Atrial Fibrillation Screening. IEEE Transactions on Industrial Electronics, 2019, 66, 8832-8842.	5.2	51
156	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.	5.9	50
157	Data-Driven Control and Process Monitoring for Industrial Applications—Part II. IEEE Transactions on Industrial Electronics, 2015, 62, 583-586.	5.2	49
158	Coordination Task Triggered Formation Control Algorithm for Multiple Marine Vessels. IEEE Transactions on Industrial Electronics, 2017, 64, 4984-4993.	5.2	48
159	Robust Identification of LPV Time-Delay System With Randomly Missing Measurements. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2198-2208.	5.9	48
160	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.	7.2	48
161	A Robust Data-Driven Fault Detection Approach for Rolling Mills With Unknown Roll Eccentricity. IEEE Transactions on Control Systems Technology, 2020, 28, 2641-2648.	3.2	48
162	Recursive identification algorithms to design fault detection systems. Journal of Process Control, 2010, 20, 957-965.	1.7	47

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163	Tuning kernel parameters for SVM based on expected square distance ratio. Information Sciences, 2016, 370-371, 92-102.	4.0	47
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