Dong-Hua Zhou

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7261960/publications.pdf

Version: 2024-02-01

163 papers	9,810 citations	44069 48 h-index	37204 96 g-index
163 all docs	163 docs citations	163 times ranked	5332 citing authors

#	Article	IF	Citations
1	Continual Learning for Multimode Dynamic Process Monitoring With Applications to an Ultraâ€“Supercritical Thermal Power Plant. IEEE Transactions on Automation Science and Engineering, 2023, 20, 137-150.	5.2	9
2	Adaptive Cointegration Analysis and Modified RPCA With Continual Learning Ability for Monitoring Multimode Nonstationary Processes. IEEE Transactions on Cybernetics, 2023, 53, 4841-4854.	9.5	7
3	Anomaly Monitoring of Nonstationary Processes With Continuous and Two-Valued Variables. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2023, 53, 49-58.	9.3	7
4	Robust Asymptotic Fault Estimation of Discrete-Time Interconnected Systems With Sensor Faults. IEEE Transactions on Cybernetics, 2022, 52, 1691-1700.	9.5	22
5	CoDriver ETA: Combine Driver Information in Estimated Time of Arrival by Driving Style Learning Auxiliary Task. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4037-4048.	8.0	9
6	Performance-Driven Component Selection in the Framework of PCA for Process Monitoring: A Dynamic Selection Approach. IEEE Transactions on Control Systems Technology, 2022, 30, 1171-1185.	5.2	7
7	Prognostics of fractional degradation processes with state-dependent delay. Proceedings of the Institution of Mechanical Engineers, Part O: Journal of Risk and Reliability, 2022, 236, 114-124.	0.7	0
8	Distributed Intermittent Fault Detection for Linear Stochastic Systems Over Sensor Network. IEEE Transactions on Cybernetics, 2022, 52, 9208-9218.	9.5	24
9	Detection and Isolation of Wheelset Intermittent Over-Creeps for Electric Multiple Units Based on a Weighted Moving Average Technique. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 3392-3405.	8.0	10
10	A Krein space-based approach to event-triggered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e264" altimg="si5.svg"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>â^ž</mml:mi></mml:mrow></mml:mrow></mml filtering for linear discrete time-varying systems. Automatica, 2022, 135, 110001.	5.0	13
11	An Integrated Design Scheme for SKR-Based Data-Driven Dynamic Fault Detection Systems. IEEE Transactions on Industrial Informatics, 2022, 18, 6828-6839.	11.3	2
12	Joint State and Fault Estimation of Complex Networks Under Measurement Saturations and Stochastic Nonlinearities. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 173-186.	2.8	14
13	Integrated fault estimation and tolerant control for discrete-time switched affine systems with mixed switching laws. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101167.	3.5	6
14	Recursive Hybrid Variable Monitoring for Fault Detection in Nonstationary Industrial Processes. IEEE Transactions on Industrial Informatics, 2022, 18, 7296-7304.	11.3	13
15	A Feature Weighted Mixed Naive Bayes Model for Monitoring Anomalies in the Fan System of a Thermal Power Plant. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 719-727.	13.1	12
16	Active Fault-tolerant Control for Discrete-time Markov Jump LPV Systems via Time-varying Hidden Markov Model Approach. International Journal of Control, Automation and Systems, 2022, 20, 1785-1799.	2.7	4
17	Adaptive fault-tolerant control for nonlinear high-order fully-actuated systems. Neurocomputing, 2022, 495, 75-85.	5.9	21
18	Performance-improved finite-time fault-tolerant control for linear uncertain systems with intermittent faults: an overshoot suppression strategy. International Journal of Systems Science, 2022, 53, 3408-3425.	5.5	23

#	Article	IF	Citations
19	Full Information Estimation for Time-Varying Systems Subject to Round-Robin Scheduling: A Recursive Filter Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1904-1916.	9.3	60
20	Key-Performance-Indicator-Related Process Monitoring Based on Improved Kernel Partial Least Squares. IEEE Transactions on Industrial Electronics, 2021, 68, 2626-2636.	7.9	131
21	Incipient Fault Detection for Air Brake System of High-Speed Trains. IEEE Transactions on Control Systems Technology, 2021, 29, 2026-2037.	5.2	8
22	Detection of intermittent faults based on an optimally weighted moving average <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e256" altimg="si3.svg"><mml:msup><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msup></mml:math> control chart with stationary observations. Automatica, 2021, 123, 109298.	5.0	39
23	Dynamic Event-Triggered State Estimation for Continuous-Time Polynomial Nonlinear Systems With External Disturbances. IEEE Transactions on Industrial Informatics, 2021, 17, 3962-3970.	11.3	48
24	Compound-Fault Diagnosis of Rotating Machinery: A Fused Imbalance Learning Method. IEEE Transactions on Control Systems Technology, 2021, 29, 1462-1474.	5.2	39
25	Moving Horizon Estimation of Networked Nonlinear Systems With Random Access Protocol. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 2937-2948.	9.3	130
26	Robust detection of intermittent multiplicative sensor fault. Asian Journal of Control, 2021, 23, 463-473.	3.0	2
27	Resilient Actuator Fault Estimation for Discrete-Time Complex Networks: A Distributed Approach. IEEE Transactions on Automatic Control, 2021, 66, 4214-4221.	5.7	30
28	Output-Relevant Common Trend Analysis for KPI-Related Nonstationary Process Monitoring With Applications to Thermal Power Plants. IEEE Transactions on Industrial Informatics, 2021, 17, 6664-6675.	11.3	19
29	Observer-based fault estimation for a class of discrete-time switched affine systems: An application to the DC-DC converter. Journal of the Franklin Institute, 2021, 358, 7992-8011.	3.4	6
30	Probabilistic Stationary Subspace Analysis for Monitoring Nonstationary Industrial Processes with Uncertainty. IEEE Transactions on Industrial Informatics, 2021, , 1-1.	11.3	14
31	Online Adaptive Fault Compensation Control for Underwater Vehicles with Parameter Perturbation and Intermittent Faults. , 2021, , .		2
32	Sparse DiPCA for dynamic process monitoring. , 2021, , .		1
33	Nonstationary Process Monitoring Using Sparse Stationary Subspace Analysis. , 2021, , .		0
34	Anomaly Monitoring of Mixture Variables: When Continuous Variables are Mixed Guassian. , 2021, , .		0
35	Stability, l_2 -Gain Analysis, and Parity Space-Based Fault Detection for Discrete-Time Switched Systems Under Dwell-Time Switching. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3358-3368.	9.3	28
36	Review on Diagnosis Techniques for Intermittent Faults in Dynamic Systems. IEEE Transactions on Industrial Electronics, 2020, 67, 2337-2347.	7.9	115

#	Article	IF	Citations
37	Intermittent sensor fault detection for stochastic LTV systems with parameter uncertainty and limited resolution. International Journal of Control, 2020, 93, 788-796.	1.9	15
38	Quasi-Synchronization of Discrete-Time Lurâ€™e-Type Switched Systems With Parameter Mismatches and Relaxed PDT Constraints. IEEE Transactions on Cybernetics, 2020, 50, 2026-2037.	9.5	119
39	Scalable Distributed Filtering for a Class of Discrete-Time Complex Networks Over Time-Varying Topology. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 2930-2941.	11.3	16
40	Remaining useful life prediction for fractional degradation processes under varying modes. Canadian Journal of Chemical Engineering, 2020, 98, 1351-1364.	1.7	5
41	Fault-Tolerant Cooperative Control of Multiagent Systems: A Survey of Trends and Methodologies. IEEE Transactions on Industrial Informatics, 2020, 16, 4-17.	11.3	105
42	Detection of incipient faults in EMU braking system based on data domain description and variable control limit. Neurocomputing, 2020, 383, 348-358.	5.9	4
43	Detection and detectability of intermittent faults based on moving average <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e2487" altimg="si4.svg"><mml:msup><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></ control charts with multiple window lengths. Journal of Process Control, 2020, 92, 296-309.	3.3	11
44	An $H_{i}/H_{infty }$ Optimization Approach to Event-Triggered Fault Detection for Linear Discrete Time Systems. IEEE Transactions on Automatic Control, 2020, 65, 4464-4471.	5.7	47
45	Moving horizon estimation with non-uniform sampling under component-based dynamic event-triggered transmission. Automatica, 2020, 120, 109154.	5.0	145
46	Distributed fault estimation for delayed complex networks with Round-Robin protocol based on unknown input observer. Journal of the Franklin Institute, 2020, 357, 8678-8702.	3.4	27
47	Incipient fault detection of the high-speed train air brake system with a combined index. Control Engineering Practice, 2020, 100, 104425.	5.5	26
48	Distributed self-triggered formation control for multi-agent systems. Science China Information Sciences, 2020, 63, 1.	4.3	18
49	Weighted part mutual information related component analysis for quality-related process monitoring. Journal of Process Control, 2020, 88, 111-123.	3.3	7
50	Multimode process monitoring based on fault dependent variable selection and moving window-negative log likelihood probability. Computers and Chemical Engineering, 2020, 136, 106787.	3.8	27
51	Anomaly detection in the fan system of a thermal power plant monitored by continuous and two-valued variables. Control Engineering Practice, 2020, 102, 104522.	5.5	22
52	Remaining useful life prediction for multivariable stochastic degradation systems with nonâ€Markovian diffusion processes. Quality and Reliability Engineering International, 2020, 36, 1402-1421.	2.3	9
53	Robust detection of intermittent sensor faults in stochastic LTV systems. Neurocomputing, 2020, 388, 181-187.	5.9	9
54	Moving Horizon Estimation With Unknown Inputs Under Dynamic Quantization Effects. IEEE Transactions on Automatic Control, 2020, 65, 5368-5375.	5.7	150

#	Article	IF	Citations
55	Fault Detection, Supervision, and Safety for Chemical Processes: 2020. Canadian Journal of Chemical Engineering, 2020, 98, 1267-1268.	1.7	3
56	Dynamic Stationary Subspace Analysis for Monitoring Nonstationary Dynamic Processes. Industrial & Engineering Chemistry Research, 2020, 59, 20787-20797.	3.7	24
57	Intermittent fault detection for discreteâ€•time linear stochastic systems with time delay. IET Control Theory and Applications, 2020, 14, 511-518.	2.1	12
58	Reduced Stationary Subspace Analysis for Anomaly Detection in Nonstationary Industrial Processes. , 2020, , .		0
59	A Novel Lifetime Estimation Method for Two-Phase Degrading Systems. IEEE Transactions on Reliability, 2019, 68, 689-709.	4.6	67
60	Predicting remaining useful life based on a generalized degradation with fractional Brownian motion. Mechanical Systems and Signal Processing, 2019, 115, 736-752.	8.0	28
61	Event-Based Distributed Filtering Over Markovian Switching Topologies. IEEE Transactions on Automatic Control, 2019, 64, 1595-1602.	5.7	60
62	Moving Horizon Estimation for Networked Time-Delay Systems Under Round-Robin Protocol. IEEE Transactions on Automatic Control, 2019, 64, 5191-5198.	5.7	157
63	Probability Analysis of Fault Diagnosis Performance for Satellite Attitude Control Systems. IEEE Transactions on Industrial Informatics, 2019, 15, 5867-5876.	11.3	17
64	Process Monitoring Based on Orthogonal Locality Preserving Projection with Maximum Likelihood Estimation. Industrial & Engineering Chemistry Research, 2019, 58, 5579-5587.	3.7	11
65	Incipient sensor fault isolation based on augmented Mahalanobis distance. Control Engineering Practice, 2019, 86, 144-154.	5.5	48
66	Incipient sensor fault diagnosis in multimode processes using conditionally independent Bayesian learning based recursive transformed component statistical analysis. Journal of Process Control, 2019, 77, 7-19.	3.3	25
67	Detection of Incipient Leakage Fault in EMU Braking System. , 2019, , .		1
68	Multimode Process Monitoring with Mode Transition Constraints. , 2019, , .		2
69	Dynamic Laplacian eigenmaps for process monitoring. , 2019, , .		0
70	Fault-tolerant Cooperative Formation Control for Multi-agent Systems with Actuator Faults. , 2019, , .		1
71	Understanding the Fault in EMU Braking System. , 2019, , .		2
72	Detecting Intermittent Faults with Moving Average Techniques. , 2019, , .		1

#	Article	IF	Citations
73	Fault detection based on robust characteristic dimensionality reduction. Control Engineering Practice, 2019, 84, 125-138.	5.5	30
74	FBM-Based Remaining Useful Life Prediction for Degradation Processes With Long-Range Dependence and Multiple Modes. IEEE Transactions on Reliability, 2019, 68, 1021-1033.	4.6	23
75	Remaining useful life prediction for multi-component systems with hidden dependencies. Science China Information Sciences, 2019, 62, 1.	4.3	23
76	Observer-Based PIGC for Missiles With Impact Angle Constraint. IEEE Transactions on Aerospace and Electronic Systems, 2019, 55, 2226-2240.	4.7	13
77	Batch Process Modeling and Monitoring With Local Outlier Factor. IEEE Transactions on Control Systems Technology, 2019, 27, 1552-1565.	5.2	48
78	Distributed sensor fault diagnosis for a formation of multi-vehicle systems. Journal of the Franklin Institute, 2019, 356, 791-818.	3.4	25
79	Adaptive In-Flight Alignment of INS/GPS Systems for Aerial Mapping. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 1184-1196.	4.7	19
80	Exponential Smoothing Reconstruction Approach for Incipient Fault Isolation. Industrial & Engineering Chemistry Research, 2018, 57, 6353-6363.	3.7	28
81	A Descriptor System Approach to Stability and Stabilization of Discrete-Time Switched PWA Systems. IEEE Transactions on Automatic Control, 2018, 63, 3456-3463.	5.7	102
82	An improved non-Markovian degradation model with long-term dependency and item-to-item uncertainty. Mechanical Systems and Signal Processing, 2018, 105, 467-480.	8.0	31
83	On Kalman-Consensus Filtering With Random Link Failures Over Sensor Networks. IEEE Transactions on Automatic Control, 2018, 63, 2701-2708.	5.7	134
84	Preface of the fault detection, supervision and safety for chemical processes. Canadian Journal of Chemical Engineering, 2018, 96, 424-425.	1.7	2
85	Finite-Time Stabilizability and Instabilizability for Complex-Valued Memristive Neural Networks With Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2371-2382.	9.3	74
86	Isolating incipient sensor fault based on recursive transformed component statistical analysis. Journal of Process Control, 2018, 64, 112-122.	3.3	17
87	Detection, isolation and diagnosability analysis of intermittent faults in stochastic systems. International Journal of Control, 2018, 91, 480-494.	1.9	27
88	Control Performance Assessment for ILC-Controlled Batch Processes in a 2-D System Framework. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 1493-1504.	9.3	82
89	Diagnosis of sensor precision degradation using Kullbackâ€Leibler divergence. Canadian Journal of Chemical Engineering, 2018, 96, 434-443.	1.7	16
90	Quantised polynomial filtering for nonlinear systems with missing measurements. International Journal of Control, 2018, 91, 2250-2260.	1.9	12

#	Article	IF	Citations
91	Covariance eigenpairs neighbour distance for fault detection in chemical processes. Canadian Journal of Chemical Engineering, 2018, 96, 455-462.	1.7	4
92	Fault Detection and Isolation of the Brake Cylinder System for Electric Multiple Units. IEEE Transactions on Control Systems Technology, 2018, 26, 1744-1757.	5.2	63
93	Fault prognosis technology for nonâ€Gaussian and nonlinear processes based on KICA reconstruction. Canadian Journal of Chemical Engineering, 2018, 96, 515-520.	1.7	6
94	Prognostics of Non-Markovian Degradation Processes with Fractal Property and Measurement Uncertainty. , 2018, , .		2
95	Fault tolerant multivehicle formation control framework with applications in multiquadrotor systems. Science China Information Sciences, 2018, 61, 1.	4.3	9
96	Intermittent Fault Detection with T Control Chart. IFAC-PapersOnLine, 2018, 51, 1298-1304.	0.9	6
97	A New Local-Model-Based Distributed Fault Diagnosis Scheme for Multi-Agent Systems with Actuator Faults. IFAC-PapersOnLine, 2018, 51, 292-299.	0.9	9
98	Distributed filtering for time-varying networked systems with sensor gain degradation and energy constraint: a centralized finite-time communication protocol scheme. Science China Information Sciences, 2018, 61, 1.	4.3	15
99	Distributed sensor fault diagnosis for a formation system with unknown constant time delays. Science China Information Sciences, 2018, 61, 1.	4.3	32
100	UKF-based remote state estimation for discrete artificial neural networks with communication bandwidth constraints. Neural Networks, 2018, 108, 393-398.	5.9	11
101	Increment-based recursive transformed component statistical analysis for monitoring blast furnace iron-making processes: An index-switching scheme. Control Engineering Practice, 2018, 77, 190-200.	5.5	11
102	Eventâ€triggered filtering and intermittent fault detection for timeâ€varying systems with stochastic parameter uncertainty and sensor saturation. International Journal of Robust and Nonlinear Control, 2018, 28, 4666-4680.	3.7	16
103	Recursive Filtering for Time-Varying Systems with Random Access Protocol. IEEE Transactions on Automatic Control, 2018, , 1-1.	5.7	29
104	HMM-Based <inline-formula> <tex-math notation="LaTeX">$mathcal{H}_{infty}$ </tex-math> </inline-formula> Filtering for Discrete-Time Markov Jump LPV Systems Over Unreliable Communication Channels. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2035-2046.	9.3	109
105	Active Fault-Tolerant Control for a Quadrotor with Sensor Faults. Journal of Intelligent and Robotic Systems: Theory and Applications, 2017, 88, 449-467.	3.4	37
106	Lifetime prognostics for deteriorating systems with time-varying random jumps. Reliability Engineering and System Safety, 2017, 167, 338-350.	8.9	30
107	Recursive transformed component statistical analysis for incipient fault detection. Automatica, 2017, 80, 313-327.	5.0	116
108	Incipient fault detection with smoothing techniques in statistical process monitoring. Control Engineering Practice, 2017, 62, 11-21.	5.5	137

#	Article	IF	Citations
109	A Probabilistic Approach to Robust Fault Detection for a Class of Nonlinear Systems. IEEE Transactions on Industrial Electronics, 2017, 64, 3930-3939.	7.9	38
110	Dominant trend based logistic regression for fault diagnosis in nonstationary processes. Control Engineering Practice, 2017, 66, 156-168.	5.5	33
111	Practices of detecting and removing nuisance alarms for alarm overloading in thermal power plants. Control Engineering Practice, 2017, 67, 21-30.	5.5	24
112	Remaining Useful Life Prediction for Degradation Processes With Memory Effects. IEEE Transactions on Reliability, 2017, 66, 751-760.	4.6	27
113	Event-based control and filtering of networked systems: A survey. International Journal of Automation and Computing, 2017, 14, 239-253.	4.5	53
114	Fault-Tolerant Control for an Internet-Based Three-Tank System: Accommodation to Sensor Bias Faults. IEEE Transactions on Industrial Electronics, 2017, 64, 2266-2275.	7.9	76
115	Fault-tolerant cooperative output regulation for multi-vehicle systems with sensor faults. International Journal of Control, 2017, 90, 2227-2248.	1.9	24
116	A class of observerâ€based fault diagnosis schemes under closedâ€loop control: performance evaluation and improvement. IET Control Theory and Applications, 2017, 11, 135-141.	2.1	32
117	Remaining Useful Life Prediction for Degradation Processes With Long-Range Dependence. IEEE Transactions on Reliability, 2017, 66, 1368-1379.	4.6	43
118	Augmented mahalanobis distance for incipient fault detection of industrial processes. , 2017, , .		1
119	A Novel Multi-Phase Stochastic Model for Lithium-Ion Batteriesâ€™ Degradation with Regeneration Phenomena. Energies, 2017, 10, 1687.	3.1	18
120	Remaining useful life prediction for nonlinear degrading systems with maintenance. , 2017, , .		4
121	Faultâ€tolerant formation control of nonâ€linear multiâ€vehicle systems with application to quadrotors. IET Control Theory and Applications, 2017, 11, 3179-3190.	2.1	29
122	Fault detection of EMU brake cylinder. , 2016, , .		4
123	Detecting intermittent sensor faults for linear stochastic systems subject to unknown disturbance. Journal of the Franklin Institute, 2016, 353, 4734-4753.	3.4	17
124	Detection of intermittent faults for linear stochastic systems subject to timeâ€varying parametric perturbations. IET Control Theory and Applications, 2016, 10, 903-910.	2.1	17
125	A New Scheme of Fault Detection for Linear Discrete Time-Varying Systems. IEEE Transactions on Automatic Control, 2016, 61, 2597-2602.	5.7	54
126	Incipient Sensor Fault Diagnosis Using Moving Window Reconstruction-Based Contribution. Industrial & Engineering Chemistry Research, 2016, 55, 2746-2759.	3.7	45

#	Article	IF	Citations
127	On the use of reconstruction-based contribution for fault diagnosis. Journal of Process Control, 2016, 40, 24-34.	3.3	34
128	A Review on Recent Development of Spacecraft Attitude Fault Tolerant Control System. IEEE Transactions on Industrial Electronics, 2016, 63, 3311-3320.	7.9	301
129	Active Fault-Tolerant Control for an Internet-Based Networked Three-Tank System. IEEE Transactions on Control Systems Technology, 2016, 24, 2150-2157.	5.2	69
130	Robust Stability of Switched Nonlinear Systems With Switching Uncertainties. IEEE Transactions on Automatic Control, 2016, 61, 2531-2537.	5.7	55
131	Minimum-Variance Recursive Filtering Over Sensor Networks With Stochastic Sensor Gain Degradation: Algorithms and Performance Analysis. IEEE Transactions on Control of Network Systems, 2016, 3, 265-274.	3.7	35
132	Event-Based H_{infty} Consensus Control of Multi-Agent Systems With Relative Output Feedback: The Finite-Horizon Case. IEEE Transactions on Automatic Control, 2015, 60, 2553-2558.	5.7	107
133	Event-Based Recursive Distributed Filtering Over Wireless Sensor Networks. IEEE Transactions on Automatic Control, 2015, 60, 2470-2475.	5.7	234
134	Distributed fault detection for a class of secondâ€order multiâ€agent systems: an optimal robust observer approach. IET Control Theory and Applications, 2014, 8, 1032-1044.	2.1	74
135	Reconstructionâ€based fault prognosis for flue gas turbines with independent component analysis. Asia-Pacific Journal of Chemical Engineering, 2014, 9, 205-213.	1.5	8
136	Optimal filtering for networked systems with stochastic sensor gain degradation. Automatica, 2014, 50, 1521-1525.	5.0	41
137	A New Method of Dynamic Latent-Variable Modeling for Process Monitoring. IEEE Transactions on Industrial Electronics, 2014, 61, 6438-6445.	7.9	162
138	Hidden Markov Model-Based Statistics Pattern Analysis for Multimode Process Monitoring: An Index-Switching Scheme. Industrial & Engineering Chemistry Research, 2014, 53, 11084-11095.	3.7	38
139	A Residual Storage Life Prediction Approach for Systems With Operation State Switches. IEEE Transactions on Industrial Electronics, 2014, 61, 6304-6315.	7.9	68
140	Iterative Consensus for a Class of Second-order Multi-agent Systems. Journal of Intelligent and Robotic Systems: Theory and Applications, 2014, 73, 655-664.	3.4	24
141	Contribution rate plot for nonlinear quality-related fault diagnosis with application to the hot strip mill process. Control Engineering Practice, 2013, 21, 360-369.	5.5	90
142	Online probabilistic operational safety assessment of multi-mode engineering systems using Bayesian methods. Reliability Engineering and System Safety, 2013, 119, 150-157.	8.9	22
143	Specifying measurement errors for required lifetime estimation performance. European Journal of Operational Research, 2013, 231, 631-644.	5.7	43
144	Multi-Sensor Information Based Remaining Useful Life Prediction With Anticipated Performance. IEEE Transactions on Reliability, 2013, 62, 183-198.	4.6	58

#	Article	IF	Citations
145	Least-Squares Fault Detection and Diagnosis for Networked Sensing Systems Using A Direct State Estimation Approach. IEEE Transactions on Industrial Informatics, 2013, 9, 1670-1679.	11.3	139
146	A Wiener-process-based degradation model with a recursive filter algorithm for remaining useful life estimation. Mechanical Systems and Signal Processing, 2013, 35, 219-237.	8.0	362
147	A degradation path-dependent approach for remaining useful life estimation with an exact and closed-form solution. European Journal of Operational Research, 2013, 226, 53-66.	5.7	215
148	Leakage Fault Diagnosis for an Internet-Based Three-Tank System: An Experimental Study. IEEE Transactions on Control Systems Technology, 2012, 20, 857-870.	5.2	77
149	Remaining Useful Life Estimation Based on a Nonlinear Diffusion Degradation Process. IEEE Transactions on Reliability, 2012, 61, 50-67.	4.6	460
150	Generalized Reconstruction-Based Contributions for Output-Relevant Fault Diagnosis With Application to the Tennessee Eastman Process. IEEE Transactions on Control Systems Technology, 2011, 19, 1114-1127.	5.2	142
151	Dynamic latent variable modeling for statistical process monitoring. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2011, 44, 12886-12891.	0.4	27
152	Remaining useful life estimation â€“ A review on the statistical data driven approaches. European Journal of Operational Research, 2011, 213, 1-14.	5.7	1,615
153	Total projection to latent structures for process monitoring. AICHE Journal, 2010, 56, 168-178.	3.6	224
154	Geometric properties of partial least squares for process monitoring. Automatica, 2010, 46, 204-210.	5.0	313
155	Reconstruction based fault prognosis for continuous processes. Control Engineering Practice, 2010, 18, 1211-1219.	5.5	106
156	On Designing H_{infty} Fault Detection Filter for Linear Discrete Time-Varying Systems. IEEE Transactions on Automatic Control, 2010, 55, 1689-1695.	5.7	95
157	Residual generation and evaluation of networked control systems subject to random packet dropout. Automatica, 2009, 45, 2427-2434.	5.0	68
158	Robust H_{infty} Filtering for Time-Delay Systems With Probabilistic Sensor Faults. IEEE Signal Processing Letters, 2009, 16, 442-445.	3.6	70
159	Fault Diagnosis Techniques for Dynamic Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 748-758.	0.3	81
160	State estimation for timeâ€delay systems with probabilistic sensor gain reductions. Asia-Pacific Journal of Chemical Engineering, 2008, 3, 712-716.	1.5	6
161	Real-time Reliability Prediction for a Dynamic System Based on the Hidden Degradation Process Identification. IEEE Transactions on Reliability, 2008, 57, 230-242.	4.6	95
162	Networked fault detection with random communication delays and packet losses. International Journal of Systems Science, 2008, 39, 1045-1054.	5.5	44

#	Article	IF	Citations
163	Strong tracking filtering of nonlinear time-varying stochastic systems with coloured noise: application to parameter estimation and empirical robustness analysis. International Journal of Control, 1996, 65, 295-307.	1.9	225