

Xiao-Jian Yi

List of Publications by Year in descending order

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99
papers

1,245
citations

471371

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all docs

99
docs citations

99
times ranked

435
citing authors

#	ARTICLE	IF	CITATIONS
1	Recursive filtering of networked nonlinear systems: a survey. <i>International Journal of Systems Science</i> , 2021, 52, 1110-1128.	3.7	181
2	Multi-sensor filtering fusion meets censored measurements under a constrained network environment: advances, challenges and prospects. <i>International Journal of Systems Science</i> , 2021, 52, 3410-3436.	3.7	115
3	A survey on state estimation of complex dynamical networks. <i>International Journal of Systems Science</i> , 2021, 52, 3351-3367.	3.7	114
4	Distributed filtering based on Cauchy-kernel-based maximum correntropy subject to randomly occurring cyber-attacks. <i>Automatica</i> , 2022, 135, 110004.	3.0	100
5	Design of robust nonfragile fault detection filter for uncertain dynamic systems with quantization. <i>Applied Mathematics and Computation</i> , 2018, 338, 774-788.	1.4	67
6	Recent advances on cooperative control of heterogeneous multi-agent systems subject to constraints: a survey. <i>Systems Science and Control Engineering</i> , 2022, 10, 539-551.	1.8	59
7	Non-fragile H_2 - H_∞ state estimation for time-delayed artificial neural networks: an adaptive event-triggered approach. <i>International Journal of Systems Science</i> , 2022, 53, 2247-2259.	3.7	51
8	Probability-Guaranteed Distributed Filtering for Nonlinear Systems With Innovation Constraints Over Sensor Networks. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 951-963.	2.4	44
9	H_2 - H_∞ state estimation for continuous stochastic delayed neural networks via memory event-triggering strategy. <i>International Journal of Systems Science</i> , 2022, 53, 2742-2757.	3.7	38
10	Reliability Analysis Method on Repairable System with Standby Structure Based on Goal Oriented Methodology. <i>Quality and Reliability Engineering International</i> , 2016, 32, 2505-2517.	1.4	31
11	H_∞ State Estimation for Coupled Stochastic Complex Networks With Periodical Communication Protocol and Intermittent Nonlinearity Switching. <i>IEEE Transactions on Network Science and Engineering</i> , 2021, 8, 1414-1425.	4.1	24
12	Reliability analysis of retracting actuator with multi-state based on goal oriented methodology. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2015, 20, 307-311.	0.5	22
13	A new reliability analysis method for repairable systems with multifunction modes based on goal-oriented methodology. <i>Quality and Reliability Engineering International</i> , 2017, 33, 2215-2237.	1.4	20
14	A new reliability analysis method for vehicle systems based on goal-oriented methodology. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2017, 231, 1066-1095.	1.1	19
15	Tobit Kalman filtering for fractional-order systems with stochastic nonlinearities under RoundRobin protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 2348-2370.	2.1	19
16	Resilient energy-to-peak filtering for linear parameter-varying systems under random access protocol. <i>International Journal of Systems Science</i> , 2022, 53, 2421-2436.	3.7	19
17	Quantitative reliability analysis of repairable systems with closed-loop feedback based on GO methodology. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2017, 39, 1845-1858.	0.8	18
18	A new system reliability analysis method: the current development of GO methodology in China. <i>WIT Transactions on Engineering Sciences</i> , 2015, , .	0.0	18

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19	Reliability analysis of hydraulic steering system with DICLFL considering shutdown correlation based on GO methodology. , 2015, , .		17
20	Probability-Guaranteed Distributed Secure Estimation for Nonlinear Systems Over Sensor Networks Under Deception Attacks on Innovations. IEEE Transactions on Signal and Information Processing Over Networks, 2021, 7, 465-477.	1.6	17
21	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on GO Methodology. , 2015, , .		16
22	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on Goal-Oriented Methodology. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	15
23	Reliability Analysis of Repairable System With Multiple Fault Modes Based on Goal-Oriented Methodology. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2016, 2, .	0.7	14
24	Variance-Constrained Filtering Fusion for Nonlinear Cyber-Physical Systems With the Denial-of-Service Attacks and Stochastic Communication Protocol. IEEE/CAA Journal of Automatica Sinica, 2022, 9, 978-989.	8.5	14
25	Distributed State Estimation Over Wireless Sensor Networks With Energy Harvesting Sensors. IEEE Transactions on Cybernetics, 2023, 53, 3311-3324.	6.2	13
26	Reliability analysis method of Phased-Mission Nuclear Power Equipment based on goal oriented methodology. , 2016, , .		10
27	Fire Control System Operation Status Assessment Based on Information Fusion: Case Study. Sensors, 2019, 19, 2222.	2.1	10
28	Reliability analysis of hydraulic transmission oil supply system considering maintenance correlation of parallel structure based on GO methodology. , 2014, , .		9
29	Reliability Optimization Allocation Method for Multifunction Systems Based on Goal Oriented Methodology. , 2016, , .		9
30	Reliability technology using GO methodology: A review. Quality and Reliability Engineering International, 2019, 35, 2513-2539.	1.4	9
31	Model-Free Adaptive Control for Nonlinear Multi-Agent Systems With Encoding-Decoding Mechanism. IEEE Transactions on Signal and Information Processing Over Networks, 2022, 8, 489-498.	1.6	9
32	A Reliability Optimization Allocation Method Considering Differentiation of Functions. International Journal of Computational Methods, 2016, 13, 1641020.	0.8	8
33	A new reliability analysis method for repairable systems with closed-loop feedback links. Quality and Reliability Engineering International, 2018, 34, 298-332.	1.4	8
34	Fault Diagnosis of Wind Turbine Based on PCA and GSA-SVM. , 2019, , .		7
35	Reliability Optimization Allocation Method for Multifunction Systems With Multistate Units Based on Goal-Oriented Methodology. ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering, 2017, 3, .	0.7	6
36	Reliability Analysis of Aero-Engine Main Fuel System Based on GO Methodology. Journal of Shanghai Jiaotong University (Science), 2018, 23, 770-775.	0.5	6

#	ARTICLE	IF	CITATIONS
37	Quantized recursive filtering for networked systems with stochastic transmission delays. ISA Transactions, 2022, 127, 99-107.	3.1	6
38	A maintenance evaluation method for complex systems with standby structure based on goal oriented method. , 2017, , .		5
39	A New Life Expectancy Assessment Method for Complex Systems With Multi-Characteristics: Case Study on Power-Shift Steering Transmission Control System. IEEE Access, 2019, 7, 17425-17438.	2.6	5
40	Outlier-Resistant Observer-Based Control for a Class of Networked Systems Under Encodingâ€œDecoding Mechanism. IEEE Systems Journal, 2022, 16, 922-932.	2.9	5
41	\mathbb{H}_∞ fusion estimation of time-delayed nonlinear systems with energy constraints: the finite-horizon case. Nonlinear Dynamics, 2022, 107, 2583-2598.	2.7	5
42	A Maintenance Modeling for Evaluating MTTR of Complex Systems Based on Goal Orient Method. , 2017, , .		4
43	A Survey on Prognostic and Health Management for Special Vehicles. , 2018, , .		4
44	Reliability Analysis of Modular System in MUSER Based on Goal Oriented Methodology: Case Study on LOFARARTS. , 2018, , .		4
45	Human reliability analysis method on armored vehicle system considering error correction. Journal of Shanghai Jiaotong University (Science), 2016, 21, 472-477.	0.5	3
46	A mean life evaluation method for complex multi-function systems based on GO method: Case study of vehicle transmission system. , 2017, , .		3
47	A framework to design interaction control of aerial slung load systems: transfer from existing flight control of under-actuated aerial vehicles. International Journal of Systems Science, 2021, 52, 2845-2857.	3.7	3
48	Adaptive event-triggered distributed recursive filtering with stochastic parameters and faults. Transactions of the Institute of Measurement and Control, 2022, 44, 424-434.	1.1	3
49	Cycle life prediction of lithium ion battery based on DE-BP neural network. , 2019, , .		3
50	Communication-protocol-based distributed filtering for general systems over sensor networks: developments and challenges. International Journal of General Systems, 0, , 1-23.	1.2	3
51	Recursive state estimation for multi-rate time-varying systems with multiplicative noises: Dealing with sensor resolutions. International Journal of Robust and Nonlinear Control, 2022, 32, 6110-6126.	2.1	3
52	Dynamic event-based finite-horizon \mathbb{H}_∞ secure consensus control of a class of nonlinear multi-agent systems. ISA Transactions, 2022, 127, 168-177.	3.1	3
53	A Spatial Statistic Based Risk Assessment Approach to Prioritize the Pipeline Inspection of the Pipeline Network. Energies, 2020, 13, 685.	1.6	2
54	A New Reliable Operating Region Design Method. Mathematical Problems in Engineering, 2020, 2020, 1-12.	0.6	2

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55	A Reliability Growth Process Model with Time-Varying Covariates and Its Application. Mathematics, 2021, 9, 905.	1.1	2
56	A New Reliability Assessment Method for Complex Pyrotechnic System Based on Goal Oriented Methodology and Bayes Theory. , 2021, , .		2
57	Study on Engine Wear Position Based on Oil Monitoring and Grey Relational Analysis. , 2020, , .		2
58	Pyrolysis behaviors of anaerobic digestion residues in a fixed-bed reactor with rapid infrared heating. Environmental Science and Pollution Research, 2022, , 1.	2.7	2
59	Failure analysis of repairable systems with k-out-of-m configuration considering with common cause failure and maintenance correlation based on goal oriented method. Engineering Failure Analysis, 2022, 140, 106615.	1.8	2
60	Study on the Reliability Index System of Nuclear Power System. , 2019, , .		1
61	Sensors for Prognostic and Health Management of Armored Vehicles. , 2019, , .		1
62	A New Availability Assessment Method for Complex Control Systems With Multi-Characteristics. IEEE Access, 2019, 7, 18392-18408.	2.6	1
63	Safety Boundary Extraction Using FCM and Prediction Using ELM for Aero-engine Performance Parameters. , 2019, , .		1
64	Research on Diagnosis Method Based on Multi-Class Sample Imbalanced Data. , 2019, , .		1
65	Based on Normal Cloud Model and D-S Evidence Theory Comprehensive Evaluation of Operation State of Fire Control System. , 2019, , .		1
66	The Reliability Optimization Allocation Method of Control Rod Drive Mechanism Based on GO Method. , 2019, , .		1
67	A Globally Optimal Robust Design Method for Complex Systems. Complexity, 2020, 2020, 1-25.	0.9	1
68	Engine Fault Prediction and Health Evaluation Based on Oil Sensor. , 2020, , .		1
69	Reliability technology using FTA, FMECA, FHA and FRACAS: A review. , 2021, , .		1
70	Fault Diagnosis Method of Integrated Transmission Device Based on Rough Set and BP Neural Network. , 2020, , .		1
71	Expert System for Comprehensive Transmission Fault Diagnosis Based on Oil Sensor. , 2020, , .		1
72	Distributed resilient filtering for a class of nonlinear dynamical systems subject to hybrid cyber attacks. Asian Journal of Control, 0, , .	1.9	1

#	ARTICLE	IF	CITATIONS
73	Reliability analysis for an EHCS of automatic transmission based on GO method. , 2016, , .		0
74	Study on the Method of Determining Accident Probability Based on Failure for Missile System. , 2018, , .		0
75	Reliability Analysis and Fault Diagnosis of Command and Control Network Based on Bayes-GO Method. , 2019, , .		0
76	A Parametric Design Method for Optimal Quick Diagnostic Software. Sensors, 2019, 19, 910.	2.1	0
77	State Assessment Method of Fire Control System Based on Fusion of Grey Relational and D-S Evidence Theory. , 2019, , .		0
78	Research on Comprehensive Fault Prediction Model of Tank Fire Control System Based on Machine Learning. , 2019, , .		0
79	Case study of aeroengine parameter prediction based on MIV and ELM. , 2019, , .		0
80	Research on Fault Diagnosis of Neural Network Based on Bee Colony Algorithm Optimization in Gun Control System. , 2019, , .		0
81	Application of GO Method in Reliability Analysis of Aero-engine. , 2019, , .		0
82	A System Information Decomposition Algorithm for Reliability Assessment of Units. , 2019, , .		0
83	Reliability Analysis of Hydraulic Transmission Oil Supply System Considering Common Cause Failure and Maintenance Correlation with Success Oriented. , 2019, , .		0
84	Fault Prediction Algorithm for Fire Control System Based on Improved Support Vector Machine. , 2019, , .		0
85	Prediction method of dedicated power supply for tank commander panoramic based on grey Markov model optimized by PSO. , 2019, , .		0
86	A New Method For Estimating System Reliability Using Historical Data. , 2019, , .		0
87	A Spatial Statistical Approach for Risk-based Inspection of Sewer Network. , 2019, , .		0
88	Identifying Critical Regions in Industry Infrastructure: A Case Study of a Pipeline Network in Kansas, USA. IEEE Access, 2020, 8, 71093-71105.	2.6	0
89	A Novel Risk-Based Prioritization Approach for Wireless Sensor Network Deployment in Pipeline Networks. Energies, 2020, 13, 1512.	1.6	0
90	Design Improvement for Complex Systems with Uncertainty. Mathematics, 2021, 9, 1173.	1.1	0

#	ARTICLE	IF	CITATIONS
91	Research on Engine Lubricant Detection Technology Based on On-line Visual Technology. , 2021, , .		0
92	Research on Health Management Technology of Oil Production Machine Based on Vibration Signal. , 2021, , .		0
93	Research on Prediction Method of Armored Vehicle Fire Control System Based on BAS-RVM. , 2020, , .		0
94	Health Status Assessment for Integrated Transmission Device of a Type IFV Based On Dynamic Inferior Degree. , 2020, , .		0
95	Fault Prediction and Health Management Technology of Fire Control System. , 2020, , .		0
96	Fault Diagnosis of Armored Vehicle Engine Based on Oil Sensor. , 2020, , .		0
97	Health Assessment of Armored Vehicles Based on K-means. , 2020, , .		0
98	Research on Dynamic Maintenance Strategy of Complex Equipment System. , 2020, , .		0
99	A Maintenance Analysis Method Associated Functional Structure for Complex Equipment. , 2021, , .		0