

Xiao-Jian Yi

List of Publications by Citations

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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.

58

papers

528

citations

12

h-index

21

g-index

99

ext. papers

889

ext. citations

2.7

avg, IF

4.73

L-index

#	Paper	IF	Citations
58	Recursive filtering of networked nonlinear systems: a survey. <i>International Journal of Systems Science</i> , 2021 , 52, 1110-1128	2.3	88
57	Design of robust nonfragile fault detection filter for uncertain dynamic systems with quantization. <i>Applied Mathematics and Computation</i> , 2018 , 338, 774-788	2.7	52
56	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	2.3	36
55	A survey on state estimation of complex dynamical networks. <i>International Journal of Systems Science</i> , 1-17	2.3	33
54	Distributed filtering based on Cauchy-kernel-based maximum correntropy subject to randomly occurring cyber-attacks. <i>Automatica</i> , 2022 , 135, 110004	5.7	30
53	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	2.6	24
52	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	4	18
51	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	0.6	17
50	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	2	16
49	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	1.4	15
48	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	2.6	15
47	A new system reliability analysis method: the current development of GO methodology in China 2015 ,		15
46	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on GO Methodology 2015 ,		12
45	Reliability analysis of hydraulic steering system with DICLFL considering shutdown correlation based on GO methodology 2015 ,		12
44	Reliability Analysis of Repairable System With Multiple Fault Modes Based on Goal-Oriented Methodology. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2016 , 2,	1.4	11
43	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on Goal-Oriented Methodology. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2017 , 3,	1.4	9
42	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	4.9	9

41	Reliability Optimization Allocation Method for Multifunction Systems Based on Goal Oriented Methodology 2016 ,		9
40	2016 ,		8
39	A Reliability Optimization Allocation Method Considering Differentiation of Functions. <i>International Journal of Computational Methods</i> , 2016 , 13, 1641020	1.1	8
38	Fire Control System Operation Status Assessment Based on Information Fusion: Case Study. <i>Sensors</i> , 2019 , 19,	3.8	7
37	Tobit Kalman filtering for fractional-order systems with stochastic nonlinearities under Round-Robin protocol. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 2348-2370	3.6	7
36	Reliability analysis of hydraulic transmission oil supply system considering maintenance correlation of parallel structure based on GO methodology 2014 ,		5
35	Probability-Guaranteed Distributed Secure Estimation for Nonlinear Systems Over Sensor Networks Under Deception Attacks on Innovations. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2021 , 7, 465-477	2.8	5
34	Non-fragile l2-l3state estimation for time-delayed artificial neural networks: an adaptive event-triggered approach. <i>International Journal of Systems Science</i> ,1-13	2.3	5
33	L2-L3state estimation for continuous stochastic delayed neural networks via memory event-triggering strategy. <i>International Journal of Systems Science</i> ,1-16	2.3	5
32	A new reliability analysis method for repairable systems with closed-loop feedback links. <i>Quality and Reliability Engineering International</i> , 2018 , 34, 298-332	2.6	4
31	Reliability technology using GO methodology: A review. <i>Quality and Reliability Engineering International</i> , 2019 , 35, 2513-2539	2.6	4
30	2017 ,		4
29	2018 ,		4
28	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	2	4
27	2017 ,		3
26	Reliability Optimization Allocation Method for Multifunction Systems With Multistate Units Based on Goal-Oriented Methodology. <i>ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems, Part B: Mechanical Engineering</i> , 2017 , 3,	1.4	3
25	2017 ,		3
24	A New Life Expectancy Assessment Method for Complex Systems With Multi-Characteristics: Case Study on Power-Shift Steering Transmission Control System. <i>IEEE Access</i> , 2019 , 7, 17425-17438	3.5	3

23	Reliability Analysis of Aero-Engine Main Fuel System Based on GO Methodology. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2018 , 23, 770-775	0.6	3
22	A Survey on Prognostic and Health Management for Special Vehicles 2018 ,		3
21	A Spatial Statistic Based Risk Assessment Approach to Prioritize the Pipeline Inspection of the Pipeline Network. <i>Energies</i> , 2020 , 13, 685	3.1	2
20	A New Reliable Operating Region Design Method. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-12	1.1	2
19	Fault Diagnosis of Wind Turbine Based on PCA and GSA-SVM 2019 ,		2
18	Human reliability analysis method on armored vehicle system considering error correction. <i>Journal of Shanghai Jiaotong University (Science)</i> , 2016 , 21, 472-477	0.6	2
17	Adaptive event-triggered distributed recursive filtering with stochastic parameters and faults. <i>Transactions of the Institute of Measurement and Control</i> , 014233122110379	1.8	2
16	A Globally Optimal Robust Design Method for Complex Systems. <i>Complexity</i> , 2020 , 2020, 1-25	1.6	1
15	Engine Fault Prediction and Health Evaluation Based on Oil Sensor 2020 ,		1
14	Based on Normal Cloud Model and D-S Evidence Theory Comprehensive Evaluation of Operation State of Fire Control System 2019 ,		1
13	Outlier-Resistant Observer-Based Control for a Class of Networked Systems Under Encoding/Decoding Mechanism. <i>IEEE Systems Journal</i> , 2021 , 1-11	4.3	1
12	Communication-protocol-based distributed filtering for general systems over sensor networks: developments and challenges. <i>International Journal of General Systems</i> , 1-23	2.1	1
11	A New Availability Assessment Method for Complex Control Systems With Multi-Characteristics. <i>IEEE Access</i> , 2019 , 7, 18392-18408	3.5	0
10	A framework to design interaction control of aerial slung load systems: transfer from existing flight control of under-actuated aerial vehicles. <i>International Journal of Systems Science</i> , 2021 , 52, 2845-2857	2.3	0
9	Pyrolysis behaviors of anaerobic digestion residues in a fixed-bed reactor with rapid infrared heating.. <i>Environmental Science and Pollution Research</i> , 2022 , 1	5.1	0
8	Resilient energy-to-peak filtering for linear parameter-varying systems under random access protocol. <i>International Journal of Systems Science</i> , 1-16	2.3	0
7	Variance-Constrained Filtering Fusion for Nonlinear Cyber-Physical Systems With the Denial-of-Service Attacks and Stochastic Communication Protocol. <i>IEEE/CAA Journal of Automatica Sinica</i> , 2022 , 9, 978-989	7	0
6	A Novel Risk-Based Prioritization Approach for Wireless Sensor Network Deployment in Pipeline Networks. <i>Energies</i> , 2020 , 13, 1512	3.1	

- 5 \mathbb{H}_∞ fusion estimation of time-delayed nonlinear systems with energy constraints: the finite-horizon case. *Nonlinear Dynamics*, **2022**, 107, 2583 5
- 4 Identifying Critical Regions in Industry Infrastructure: A Case Study of a Pipeline Network in Kansas, USA. *IEEE Access*, **2020**, 8, 71093-71105 3-5
- 3 A Reliability Growth Process Model with Time-Varying Covariates and Its Application. *Mathematics*, **2021**, 9, 905 2-3
- 2 Design Improvement for Complex Systems with Uncertainty. *Mathematics*, **2021**, 9, 1173 2-3
- 1 Model-Free Adaptive Control for Nonlinear Multi-Agent Systems with Encoding-Decoding Mechanism. *IEEE Transactions on Signal and Information Processing Over Networks*, **2022**, 1-1 2-8