

Xiao-Jian Yi

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.

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	fusion estimation of time-delayed nonlinear systems with energy constraints: the finite-horizon case. <i>Nonlinear Dynamics</i> , 2022 , 107, 2583	5	0
57	Distributed filtering based on Cauchy-kernel-based maximum correntropy subject to randomly occurring cyber-attacks. <i>Automatica</i> , 2022 , 135, 110004	5.7	30
56	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
55	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
54	Model-Free Adaptive Control for Nonlinear Multi-Agent Systems with Encoding-Decoding Mechanism. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2022 , 1-1	2.8	0
53	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
52	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
51	A Reliability Growth Process Model with Time-Varying Covariates and Its Application. <i>Mathematics</i> , 2021 , 9, 905	2.3	0
50	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
49	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
48	Design Improvement for Complex Systems with Uncertainty. <i>Mathematics</i> , 2021 , 9, 1173	2.3	0
47	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
46	Recursive filtering of networked nonlinear systems: a survey. <i>International Journal of Systems Science</i> , 2021 , 52, 1110-1128	2.3	88
45	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
44	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
43	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
42	A Globally Optimal Robust Design Method for Complex Systems. <i>Complexity</i> , 2020 , 2020, 1-25	1.6	1

41	A Novel Risk-Based Prioritization Approach for Wireless Sensor Network Deployment in Pipeline Networks. <i>Energies</i> , 2020 , 13, 1512	3.1	
40	Engine Fault Prediction and Health Evaluation Based on Oil Sensor 2020 ,		1
39	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
38	A New Reliable Operating Region Design Method. <i>Mathematical Problems in Engineering</i> , 2020 , 2020, 1-12	1.1	2
37	Identifying Critical Regions in Industry Infrastructure: A Case Study of a Pipeline Network in Kansas, USA. <i>IEEE Access</i> , 2020 , 8, 71093-71105	3.5	
36	A New Availability Assessment Method for Complex Control Systems With Multi-Characteristics. <i>IEEE Access</i> , 2019 , 7, 18392-18408	3.5	0
35	Fire Control System Operation Status Assessment Based on Information Fusion: Case Study. <i>Sensors</i> , 2019 , 19,	3.8	7
34	Fault Diagnosis of Wind Turbine Based on PCA and GSA-SVM 2019 ,		2
33	Reliability technology using GO methodology: A review. <i>Quality and Reliability Engineering International</i> , 2019 , 35, 2513-2539	2.6	4
32	Based on Normal Cloud Model and D-S Evidence Theory Comprehensive Evaluation of Operation State of Fire Control System 2019 ,		1
31	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
30	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
29	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
28	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
27	A Survey on Prognostic and Health Management for Special Vehicles 2018 ,		3
26	2018 ,		4
25	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
24	2017 ,		3

23	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
22	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
21	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
20	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
19	2017 ,		4
18	2017 ,		3
17	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
16	2016 ,		8
15	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
14	Reliability Optimization Allocation Method for Multifunction Systems Based on Goal Oriented Methodology 2016 ,		9
13	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
12	A Reliability Optimization Allocation Method Considering Differentiation of Functions. <i>International Journal of Computational Methods</i> , 2016 , 13, 1641020	1.1	8
11	Reliability Analysis of Repairable System With Multiple-Input and Multi-Function Component Based on GO Methodology 2015 ,		12
10	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
9	Reliability analysis of hydraulic steering system with DICLFL considering shutdown correlation based on GO methodology 2015 ,		12
8	A new system reliability analysis method: the current development of GO methodology in China 2015 ,		15
7	Reliability analysis of hydraulic transmission oil supply system considering maintenance correlation of parallel structure based on GO methodology 2014 ,		5
6	A survey on state estimation of complex dynamical networks. <i>International Journal of Systems Science</i> , 1-17	2.3	33

5	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
4	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
3	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
2	Non-fragile L2-L _∞ state estimation for time-delayed artificial neural networks: an adaptive event-triggered approach. <i>International Journal of Systems Science</i> ,1-13	2.3	5
1	L2-L _∞ state estimation for continuous stochastic delayed neural networks via memory event-triggering strategy. <i>International Journal of Systems Science</i> ,1-16	2.3	5