

# Xiao-Jian Li

## List of Publications by Year in descending order

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59  
papers

1,878  
citations

304743

22  
h-index

254184

43  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1330  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fault Detection in Finite Frequency Domain for Takagi-Sugeno Fuzzy Systems With Sensor Faults. IEEE Transactions on Cybernetics, 2014, 44, 1446-1458.	9.5	207
2	Neural-Network-Based Adaptive Decentralized Fault-Tolerant Control for a Class of Interconnected Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 144-155.	11.3	178
3	FLS-Based Adaptive Synchronization Control of Complex Dynamical Networks With Nonlinear Couplings and State-Dependent Uncertainties. IEEE Transactions on Cybernetics, 2016, 46, 171-180.	9.5	169
4	Adaptive Fault-Tolerant Synchronization Control of a Class of Complex Dynamical Networks With General Input Distribution Matrices and Actuator Faults. IEEE Transactions on Neural Networks and Learning Systems, 2017, 28, 559-569.	11.3	136
5	Fault Detection for T $\hat{a}$ €S Fuzzy Systems With Unknown Membership Functions. IEEE Transactions on Fuzzy Systems, 2014, 22, 139-152.	9.8	95
6	Adaptive decentralized control for a class of interconnected nonlinear systems via backstepping approach and graph theory. Automatica, 2017, 76, 87-95.	5.0	85
7	A Data-Driven Attack Detection Approach for DC Servo Motor Systems Based on Mixed Optimization Strategy. IEEE Transactions on Industrial Informatics, 2020, 16, 5806-5813.	11.3	73
8	Switching-Type $H_{\infty}$ Filter Design for T $\hat{a}$ €S Fuzzy Systems With Unknown or Partially Unknown Membership Functions. IEEE Transactions on Fuzzy Systems, 2013, 21, 385-392.	9.8	62
9	Adaptive Fault-Tolerant Control for Nonlinear Systems With Multiple Sensor Faults and Unknown Control Directions. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 4436-4446.	11.3	62
10	Adaptive fault-tolerance control based finite-time backstepping for hypersonic flight vehicle with full state constrains. Information Sciences, 2020, 507, 53-66.	6.9	56
11	Fuzzy Approximation-Based Global Pinning Synchronization Control of Uncertain Complex Dynamical Networks. IEEE Transactions on Cybernetics, 2017, 47, 873-883.	9.5	50
12	Adaptive Fault Estimation for T $\hat{a}$ €S Fuzzy Interconnected Systems Based on Persistent Excitation Condition via Reference Signals. IEEE Transactions on Cybernetics, 2019, 49, 2822-2834.	9.5	48
13	Fault detection for linear stochastic systems with sensor stuck faults. Optimal Control Applications and Methods, 2012, 33, 61-80.	2.1	46
14	Fault detection in finite frequency domains for multi $\hat{a}$ €delay uncertain systems with application to ground vehicle. International Journal of Robust and Nonlinear Control, 2015, 25, 3780-3798.	3.7	42
15	Optimal Output Synchronization Control of a Class of Complex Dynamical Networks With Partially Unknown System Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 822-832.	9.3	42
16	Data-Based Fault-Tolerant Consensus Control for Uncertain Multiagent Systems Via Weighted Edge Dynamics. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 2548-2558.	9.3	35
17	Finite-Frequency Model Reduction of Takagi $\hat{a}$ €Sugeno Fuzzy Systems. IEEE Transactions on Fuzzy Systems, 2016, 24, 1464-1474.	9.8	31
18	Adaptive Observer-Based Fault-Tolerant Tracking Control for T $\hat{a}$ €S Fuzzy Systems With Mismatched Faults. IEEE Transactions on Fuzzy Systems, 2020, 28, 134-147.	9.8	31

#	ARTICLE	IF	CITATIONS
19	Observer-Based Adaptive Output-Feedback Fault-Tolerant Control of a Class of Complex Dynamical Networks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 2407-2418.	9.3	30
20	Finite Frequency $L_{\infty}$ Filtering of T-S Fuzzy Systems With Unknown Membership Functions. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2017, 47, 1884-1897.	9.3	28
21	Robust fault detection and isolation for a class of uncertain single output nonlinear systems. IET Control Theory and Applications, 2014, 8, 462-470.	2.1	24
22	Event-triggered fault detection observer design for affine fuzzy systems. Neurocomputing, 2017, 267, 564-571.	5.9	22
23	Fault detection filter design for stochastic time-delay systems with sensor faults. International Journal of Systems Science, 2012, 43, 1504-1518.	5.5	21
24	Adaptive $H_{\infty}$ fault detection and isolation for a class of uncertain nonlinear systems. International Journal of Systems Science, 2012, 43, 1519-1530.	6.9	21
25	Fault-tolerant control for uncertain linear systems via adaptive and LMI approaches. International Journal of Systems Science, 2017, 48, 347-356.	5.5	20
26	Data-Driven Output-Feedback LQ Secure Control for Unknown Cyber-Physical Systems Against Sparse Actuator Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 5708-5720.	9.3	19
27	Optimal synchronization controller design for complex dynamical networks with unknown system dynamics. Journal of the Franklin Institute, 2019, 356, 6071-6086.	3.4	16
28	Global Adaptive Fuzzy Distributed Tracking Control for Interconnected Nonlinear Systems With Communication Constraints. IEEE Transactions on Fuzzy Systems, 2020, 28, 333-345.	9.8	16
29	Complete stealthiness false data injection attacks against dynamic state estimation in cyber-physical systems. Information Sciences, 2022, 586, 408-423.	6.9	16
30	Adaptive dynamic programming method-based synchronisation control of a class of complex dynamical networks with unknown dynamics and actuator faults. IET Control Theory and Applications, 2018, 12, 291-298.	2.1	15
31	Fault diagnosis for nonlinear single output systems based on adaptive high-gain observer. IET Control Theory and Applications, 2013, 7, 1969-1977.	2.1	14
32	Output synchronization control for a class of complex dynamical networks with non-identical dynamics. Applied Mathematics and Computation, 2018, 335, 38-49.	2.2	14
33	Adaptive Fault-Tolerant Compensation Control for T-S Fuzzy Systems With Mismatched Parameter Uncertainties. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 3412-3423.	9.3	14
34	Sampled observer-based adaptive output feedback fault-tolerant control for a class of strict-feedback nonlinear systems. Journal of the Franklin Institute, 2019, 356, 6041-6070.	3.4	13
35	Backstepping-based decentralized tracking control for a class of interconnected stochastic nonlinear systems coupled via a directed graph. Information Sciences, 2019, 477, 302-320.	6.9	13
36	Fault detection and isolation for uncertain closed-loop systems based on adaptive and switching approaches. International Journal of Robust and Nonlinear Control, 2016, 26, 2916-2937.	3.7	12

#	ARTICLE	IF	CITATIONS
37	Fault detection for sector-bounded non-linear systems with servo inputs and sensor stuck faults. <i>Journal of Control and Decision</i> , 2019, 6, 147-165.	1.6	12
38	Fault detection in finite frequency domain for T-S fuzzy systems with partly unmeasurable premise variables. <i>Fuzzy Sets and Systems</i> , 2021, 421, 158-177.	2.7	11
39	Robust adaptive backstepping control for hierarchical multi-agent systems with signed weights and system uncertainties. <i>IET Control Theory and Applications</i> , 2017, 11, 2743-2752.	2.1	10
40	Event-based robust $H_\infty$ filtering for affine fuzzy systems. <i>Fuzzy Sets and Systems</i> , 2017, 329, 19-35.	2.7	9
41	Finite-Frequency Fault Detection for Two-Dimensional Roesser Systems. <i>IEEE Access</i> , 2016, 4, 5818-5825.	4.2	8
42	Dynamic output feedback control synthesis for stochastic time-delay systems. <i>International Journal of Systems Science</i> , 2012, 43, 586-595.	5.5	6
43	Fault detection filter design with adaptive mechanism for linear uncertain polytopic systems in finite frequency domains. <i>IET Control Theory and Applications</i> , 2016, 10, 2027-2037.	2.1	6
44	Adaptive fault-tolerant control for a class of stochastic nonlinear systems with multiple sensor faults. <i>International Journal of Systems Science</i> , 2020, 51, 2217-2237.	5.5	6
45	Output feedback secure control for cyber-physical systems against sparse sensor attacks. <i>Applied Mathematics and Computation</i> , 2020, 384, 125384.	2.2	6
46	Fault Estimation and Control for Unknown Discrete-Time Systems Based on Data-Driven Parameterization Approach. <i>IEEE Transactions on Cybernetics</i> , 2023, 53, 1629-1640.	9.5	6
47	Fault detection filter design with varying gains for multi-delay uncertain systems. <i>Journal of the Franklin Institute</i> , 2016, 353, 3699-3721.	3.4	5
48	Data-Driven Fault Estimation and Control for Unknown Discrete-Time Systems via Multiobjective Optimization Method. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 3289-3301.	9.5	5
49	Data-driven fault detection for large-scale network systems: A mixed optimization approach. <i>Applied Mathematics and Computation</i> , 2022, 426, 127134.	2.2	4
50	Fault Detection and Isolation of T-S Fuzzy Systems with Time-Delay Using Geometric Approach. <i>International Journal of Fuzzy Systems</i> , 2021, 23, 937-946.	4.0	2
51	Parameters Identification of Vessel Based on Ant Colony Optimization Algorithm. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	2
52	Fault Detection and Isolation for a Class of Nonlinear Systems Based on Gerschgorin Theorem and Optimization Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022, 52, 5591-5601.	9.3	2
53	A new fault detection observer scheme for T-S fuzzy systems with unmeasurable variables. , 2016, , .		1
54	Adaptive fuzzy fault accommodation of uncertain complex dynamical networks with nonlinear couplings. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
55	Fault detection in finite frequency domain for linear systems under feedback control. , 2009, , .		0
56	Fuzzy adaptive control of uncertain complex dynamical networks with nonlinear couplings. , 2016, , .		0
57	Graph theory based decentralized $H_{\infty}$ filtering for large-scale T-S fuzzy systems. , 2017, , .		0
58	Event-triggered adaptive fault estimation for T-S fuzzy systems with actuator faults. , 2019, , .		0
59	Novel geometric and adaptive approaches to fault-tolerant control for linear systems. , 2021, , .		0