Xiang-Peng Xie

List of Publications by Year in Descending Order

97 papers	2,755 citations	29 h-index	51 g-index
107 ext. papers	3,632 ext. citations	6.3 avg, IF	6.38 L-index

#	Paper	IF	Citations
97	Multi-Instant Observer Design of Discrete-Time Fuzzy Systems via An Enhanced Gain-Scheduling Mechanism.. *IEEE Transactions on Cybernetics*, **2022**, PP,	10.2	1
96	Finite-time adaptive event-triggered asynchronous state estimation for Markov jump systems with cyber-attacks. *International Journal of Robust and Nonlinear Control*, **2022**, 32, 583	3.6	0
95	Memory-Event-Triggered Fault Detection of Networked IT2 T-S Fuzzy Systems.. *IEEE Transactions on Cybernetics*, **2022**, PP,	10.2	4
94	Fault-tolerant Bipartite Output Regulation of Linear Multi-agent Systems with Loss-of-effectiveness Actuator Faults. *International Journal of Control, Automation and Systems*, **2022**, 20, 1473	2.9	
93	Distributed Resilient Self-Triggered Cooperative Control for Multiple Photovoltaic Generators Under Denial-of-Service Attack. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-12	7.3	
92	Novel Adaptive Event-Triggered Fuzzy Command Filter Control for Slowly Switched Nonlinear Systems With Constraints. *IEEE Transactions on Cybernetics*, **2022**, 1-12	10.2	1
91	Multi-Instant Gain-Scheduling Fuzzy Observer of Discrete-Time Takagi-Sugeno Systems and Its Application: An Efficient Balanced Matrix Approach. *IEEE Transactions on Cybernetics*, **2022**, 1-10	10.2	0
90	Intelligent Control of Performance Constrained Switched Nonlinear Systems With Random Noises and Its Application: An Event-Driven Approach. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2022**, 1-12	3.9	0
89	Probability-density-dependent load frequency control of power systems with random delays and cyber-attacks via circuital implementation. *IEEE Transactions on Smart Grid*, **2022**, 1-1	10.7	4
88	Observer-Based Multi-Instant Fuzzy State Estimation of Discrete-Time Nonlinear Circuits via A New Slack Variables Technique. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	1
87	Adaptive Fuzzy Output-Constrained Control for Nonlinear Stochastic Systems With Input Delay and Unknown Control Coefficients. *IEEE Transactions on Cybernetics*, **2021**, 51, 5279-5290	10.2	10
86	Discrete-Time Periodic Event-Triggered Distributed Set-Membership Estimation Over Sensor Networks. *IEEE Transactions on Signal and Information Processing Over Networks*, **2021**, 1-1	2.8	2
85	Relaxed Fault Estimation of Discrete-Time Nonlinear System Based on a New Multi-Instant Real-Time Scheduling Fuzzy Observer. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-11	7.3	
84	Real-Time Leak Location of Long-Distance Pipeline Using Adaptive Dynamic Programming.. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	2
83	Dynamic Event-Triggered Output Feedback Control for Networked Systems Subject to Multiple Cyber Attacks. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	6
82	Gain-Scheduling Fault Estimation for Discrete-Time Takagi-Sugeno Fuzzy Systems: A Depth Partitioning Approach. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 1-11	3.9	0
81	Secure Adaptive-Event-Triggered Filter Design With Input Constraint and Hybrid Cyber Attack. *IEEE Transactions on Cybernetics*, **2021**, 51, 4000-4010	10.2	28

80	Co-Design of Dynamic Event-Triggered Communication Scheme and Resilient Observer-Based Control Under Aperiodic DoS Attacks. *IEEE Transactions on Cybernetics*, **2021**, 51, 4591-4601	10.2	21
79	Adaptive Event-Triggered Synchronization of Reaction-Diffusion Neural Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, 32, 3723-3735	10.3	5
78	Optimal linear-quadratic-Gaussian control for discrete-time linear systems with white and time-correlated measurement Noises. *Optimal Control Applications and Methods*, **2021**, 42, 1467-1486	1.7	
77	Sliding-Mode Control of Fuzzy Singularly Perturbed Descriptor Systems. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 2349-2360	8.3	38
76	Neural Network Adaptive Tracking Control of Uncertain MIMO Nonlinear Systems With Output Constraints and Event-Triggered Inputs. *IEEE Transactions on Neural Networks and Learning Systems* , **2021**, 32, 695-707	10.3	12
75	Fuzzy Adaptive Event-Triggered Control for a Class of Uncertain Nonaffine Nonlinear Systems With Full State Constraints. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 904-916	8.3	17
74	Observer-Based Containment Control for a Class of Nonlinear Multiagent Systems With Uncertainties. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 588-600	7.3	12
73	Adaptive Asymptotic Tracking Control of Uncertain Nonlinear Systems Based on Taylor Decoupling and Event-Trigger. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-8	7.3	2
72	Event-Triggered Multiagent Optimization for Two-Layered Model of Hybrid Energy System With Price Bidding-Based Demand Response. *IEEE Transactions on Cybernetics*, **2021**, 51, 2068-2079	10.2	7
71	A Hierarchical Event Detection Method Based on Spectral Theory of Multidimensional Matrix for Power System. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 2173-2186	7.3	31
70	Fuzzy Functional Observer-based Finite-Time Adaptive Sliding Mode Control for Nonlinear Systems with Matched Uncertainties. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	2
69	Relaxed Conditions of Observer Design of Discrete-Time Takagi-Sugeno Fuzzy Systems via A New Multi-Instant Gain-Scheduling Scheme. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	2
68	Event-Triggered Impulsive Fault-Tolerant Control for Memristor-Based RDNNs With Actuator Faults. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	1
67	Data-Driven-Based Event-Triggered Control for Nonlinear CPSs Against Jamming Attacks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	4
66	. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	10
65	Attack-Tolerant Switched Fault Detection Filter for Networked Stochastic Systems Under Resilient Event-Triggered Scheme. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-13	7.3	5
64	Event-Triggered Synchronization of Chaotic Lur□ Systems via Memory-based Triggering Approach. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 1-1	3.5	3
63	Observer-Based Security Control for Interconnected Semi-Markovian Jump Systems With Unknown Transition Probabilities. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	12

62	Fault estimation and fault-tolerant control for networked systems based on an adaptive memory-based event-triggered mechanism. *IEEE Transactions on Network Science and Engineering*, **2021**, 1-1	4.9	7
61	Multi-Instant Gain-Scheduling Stabilization of Discrete-Time Takagi-Sugeno Fuzzy Systems Based on A Time-Variant Balanced Matrix Approach. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	1
60	Event-Triggered Control of Nonlinear Discrete-Time System With Unknown Dynamics Based on HDP(). *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	12
59	Periodic Event-Triggered Synchronization for Discrete-Time Complex Dynamical Networks. *IEEE Transactions on Neural Networks and Learning Systems*, **2021**, PP,	10.3	16
58	An Optimal Three-Dimensional Drone Layout Method for Maximum Signal Coverage and Minimum Interference in Complex Pipeline Networks. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	14
57	The Decoupled Active/Reactive Power Predictive Control of Quasi-Z-source Inverter for Distributed Generations. *International Journal of Control, Automation and Systems*, **2021**, 19, 810-822	2.9	1
56	Enhanced Observer-Based State Estimation of Discrete-Time Takagi-Sugeno Fuzzy Systems via A Distinctive Multi-Instant Gain-Scheduling Law. *Journal of the Franklin Institute*, **2021**, 358, 9288-9288	4	
55	Event-Triggered Synchronization for Discrete-Time Neural Networks With Unknown Delays. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 3296-3300	3.5	1
54	Dual-Predictive Control with Adaptive Error Correction Strategy for AC Microgrids. *IEEE Transactions on Power Delivery*, **2021**, 1-1	4.3	7
53	Event-Triggered Dissipative Tracking Control of Networked Control Systems With Distributed Communication Delay. *IEEE Systems Journal*, **2021**, 1-11	4.3	8
52	Enhanced Switching Stabilization of Discrete-Time Takagi Sugeno Fuzzy Systems: Reducing the Conservatism and Alleviating the Online Computational Burden. *IEEE Transactions on Fuzzy Systems* , **2020**, 1-1	8.3	8
51	Robust fault estimation of discrete-time nonlinear system based on an enhanced maximum-priority-based switching law. *Journal of the Franklin Institute*, **2020**, 357, 5073-5090	4	1
50	Event-triggered static/dynamic feedback control for discrete-time linear systems. *Information Sciences*, **2020**, 524, 33-45	7.7	30
49	Relaxed Multi-Instant Fuzzy State Estimation Design of Discrete-Time Nonlinear Systems and its Application: A Deep Division Approach. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 1775-1785	3.9	5
48	Adaptive Fuzzy Tracking Control for a Class of Uncertain Switched Nonlinear Systems With Full-State Constraints and Input Saturations. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	7
47	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12	7.3	6
46	Resilient model-free adaptive control for cyber-physical systems against jamming attack. *Neurocomputing*, **2020**, 413, 422-430	5.4	10
45	Event-Triggered H Filtering for T-S Fuzzy-Model-Based Nonlinear Networked Systems With Multisensors Against DoS Attacks. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	30

44	. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	24
43	Event-Triggered Security Output Feedback Control for Networked Interconnected Systems Subject to Cyber-Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10	7.3	35
42	Finite-Time H_{infty} Filtering for State-Dependent Uncertain Systems With Event-Triggered Mechanism and Multiple Attacks. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 1021-1034	3.9	45
41	Security distributed state estimation for nonlinear networked systems against DoS attacks. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 1156-1180	3.6	40
40	Robust fault estimation of discrete-time nonlinear plants via a comprehensive partition-based switching scheme. *International Journal of Robust and Nonlinear Control*, **2020**, 30, 6518-6534	3.6	2
39	A new method of fault estimation and tolerant control for fuzzy systems against time-varying delay. *Nonlinear Analysis: Hybrid Systems*, **2020**, 38, 100942	4.5	4
38	Enhanced Stabilization of Discrete-Time Takagi-Sugeno Fuzzy Systems Based on a Comprehensive Real-Time Scheduling Model. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-12	7.3	8
37	Optimal Leader-Follower Consensus for Constrained-Input Multiagent Systems With Completely Unknown Dynamics. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-10	7.3	2
36	Enhanced multi-instant fuzzy switching control of nonlinear system with unreliable communication channels. *Applied Soft Computing Journal*, **2020**, 96, 106635	7.5	2
35	Attack-Resilient Event-Triggered Fuzzy Interval Type-2 Filter Design for Networked Nonlinear Systems Under Sporadic Denial-of-Service Jamming Attacks. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	8
34	Reducing the Conservatism of Stabilization for Discrete-Time TakagiSugeno Fuzzy Systems via a New Extended Representation Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4387-4393	7.3	5
33	Observer Design of Discrete-Time Fuzzy Systems Based on an Alterable Weights Method. *IEEE Transactions on Cybernetics*, **2020**, 50, 1430-1439	10.2	53
32	Finite-Horizon Optimal Consensus Control for Unknown Multiagent State-Delay Systems. *IEEE Transactions on Cybernetics*, **2020**, 50, 402-413	10.2	15
31	Output Feedback Stabilization of Networked Control Systems Under a Stochastic Scheduling Protocol. *IEEE Transactions on Cybernetics*, **2020**, 50, 2851-2860	10.2	27
30	Observer-Based State Estimation of Discrete-Time Fuzzy Systems Based on a Joint Switching Mechanism for Adjacent Instants. *IEEE Transactions on Cybernetics*, **2020**, 50, 3545-3555	10.2	41
29	Observer-Based Event-Triggered Control for Networked Linear Systems Subject to Denial-of-Service Attacks. *IEEE Transactions on Cybernetics*, **2020**, 50, 1952-1964	10.2	112
28	Consensus tracking for nonlinear multi-agent systems with unknown disturbance by using model free adaptive iterative learning control. *Applied Mathematics and Computation*, **2020**, 365, 124701	2.7	10
27	. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 3731-3743	11.9	4

26	Relaxed state estimation of discrete-time nonlinear control systems via an improved fuzzy partition-based switching observer. *Journal of the Franklin Institute*, **2020**, 357, 6280-6293	4	1
25	Static and Dynamic Event-Triggered Mechanisms for Distributed Secondary Control of Inverters in Low-Voltage Islanded Microgrids. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	2
24	Insufficient Data Generative Model for Pipeline Network Leak Detection Using Generative Adversarial Networks. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	9
23	Observer-Based Fault Estimation for Discrete-Time Nonlinear Systems and Its Application: A Weighted Switching Approach. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2019**, 66, 4377-4387	3.8	34
22	Resilient H∞ Filtering for Event-Triggered Networked Systems Under Nonperiodic DoS Jamming Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-12	7.3	37
21	Resilient Event-Triggered Controller Synthesis of Networked Control Systems Under Periodic DoS Jamming Attacks. *IEEE Transactions on Cybernetics*, **2019**, 49, 4271-4281	10.2	156
20	Dissipativity-Preserving Model Reduction for Takagi–Sugeno Fuzzy Systems. *IEEE Transactions on Fuzzy Systems*, **2019**, 27, 659-670	8.3	8
19	Data-Driven Distributed Optimal Consensus Control for Unknown Multiagent Systems With Input-Delay. *IEEE Transactions on Cybernetics*, **2019**, 49, 2095-2105	10.2	50
18	Adaptive Event-Triggered Fuzzy Control for Uncertain Active Suspension Systems. *IEEE Transactions on Cybernetics*, **2019**, 49, 4388-4397	10.2	117
17	Hybrid-Driven-Based ${mathcal{H}}_infty$ Control for Networked Cascade Control Systems With Actuator Saturations and Stochastic Cyber Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2452-2463	7.3	64
16	Relaxed Fuzzy Observer Design of Discrete-Time Nonlinear Systems via Two Effective Technical Measures. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2833-2845	8.3	24
15	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 2797-2806	8.3	70
14	Relaxed Control Design of Discrete-Time Takagi–Sugeno Fuzzy Systems: An Event-Triggered Real-Time Scheduling Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2251-2262	7.3	98
13	. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3820-3834	8.3	127
12	Relaxed Real-Time Scheduling Stabilization of Discrete-Time Takagi–Sugeno Fuzzy Systems via An Alterable-Weights-Based Ranking Switching Mechanism. *IEEE Transactions on Fuzzy Systems*, **2018**, 26, 3808-3819	8.3	143
11	Observer-Based Non-PDC Control for Networked T-S Fuzzy Systems With an Event-Triggered Communication. *IEEE Transactions on Cybernetics*, **2017**, 47, 2279-2287	10.2	174
10	Observer-based state estimation of discrete-time nonlinear systems via a novel maximum-priority-based fuzzy observer. *Signal Processing*, **2017**, 137, 63-68	4.4	7
9	Fault Estimation Observer Design for Discrete-Time Takagi-Sugeno Fuzzy Systems Based on Homogenous Polynomially Parameter-Dependent Lyapunov Functions. *IEEE Transactions on Cybernetics*, **2017**, 47, 2504-2513	10.2	70

8	Fault Estimation Observer Design of Discrete-Time Nonlinear Systems via a Joint Real-Time Scheduling Law. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2017**, 47, 1451-1463	7.3	35
7	Multi-Instant Observer Design of Discrete-Time Fuzzy Systems: A Ranking-Based Switching Approach. *IEEE Transactions on Fuzzy Systems*, **2017**, 25, 1281-1292	8.3	89
6	Control Synthesis of Discrete-Time T-S Fuzzy Systems: Reducing the Conservatism Whilst Alleviating the Computational Burden. *IEEE Transactions on Cybernetics*, **2017**, 47, 2480-2491	10.2	100
5	Control Synthesis of Discrete-Time T-S Fuzzy Systems via a Multi-Instant Homogenous Polynomial Approach. *IEEE Transactions on Cybernetics*, **2016**, 46, 630-40	10.2	206
4	Observer design of discrete-time TS fuzzy systems via multi-instant augmented multi-indexed matrix approach. *Journal of the Franklin Institute*, **2015**, 352, 2899-2919	4	20
3	Observer Design of Discrete-Time TS Fuzzy Systems Via Multi-Instant Homogenous Matrix Polynomials. *IEEE Transactions on Fuzzy Systems*, **2014**, 22, 1714-1719	8.3	82
2	Control Synthesis of Discrete-Time TS Fuzzy Systems Based on a Novel Non-PDC Control Scheme. *IEEE Transactions on Fuzzy Systems*, **2013**, 21, 147-157	8.3	150
1	Homogenous polynomially parameter-dependent H filter designs of discrete-time fuzzy systems. *IEEE Transactions on Systems, Man, and Cybernetics*, **2011**, 41, 1313-22		33