Hao Zhang

List of Publications by Year in Descending Order

86 papers	2,720 citations	29 h-index	51 g-index
100 ext. papers	3,434 ext. citations	6.2 avg, IF	6.04 L-index

#	Paper	IF	Citations
86	Stochastic Event-Based Distributed Fusion Estimation Over Sensor Networks With Fading Channel. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2022**, 1-10	3.9	1
85	Leader-Following and Leaderless Consensus of Linear Multiagent Systems Under Directed Graphs by Double Dynamic Event-Triggered Mechanism. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-13	7.3	0
84	Distributed Control of Nonholonomic Robots Without Global Position Measurements Subject to Unknown Slippage Constraints. *IEEE/CAA Journal of Automatica Sinica*, **2022**, 9, 354-364	7	0
83	Novel Extended State Observer Design for Uncertain Nonlinear Systems via Refined Dynamic Event-Triggered Communication Protocol.. *IEEE Transactions on Cybernetics*, **2022**, PP,	10.2	3
82	Distributed Dimensionality Reduction Fusion Estimation for Stochastic Uncertain Systems With Fading Measurements Subject to Mixed Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2022**, 1-12	7.3	0
81	Dynamic Event-Triggered Control of Singularity-Perturbed Dynamic Networks and Its Application. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2022**, 1-1	3.5	
80	Distributed localization of multi-agent systems with imperfect channels based on iterative learning. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
79	Adaptive event based predictive lateral following control for unmanned ground vehicle system. *International Journal of Robust and Nonlinear Control*, **2021**, 31, 4744-4763	3.6	0
78	A Class of Optimal Switching Mixed Data Injection Attack in Cyber-Physical Systems. *IEEE Robotics and Automation Letters*, **2021**, 6, 1598-1605	4.2	0
77	Fully Distributed Event-Triggered Vehicular Platooning With Actuator Uncertainties. *IEEE Transactions on Vehicular Technology*, **2021**, 70, 6601-6612	6.8	8
76	Event-Triggered Guaranteed Cost Controller Design for T-S Fuzzy Markovian Jump Systems With Partly Unknown Transition Probabilities. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 1052-1064	8.3	37
75	. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 1081-1092	8.3	24
74	Distributed Adaptive Event-Triggered Control and Stability Analysis for Vehicular Platoon. *IEEE Transactions on Intelligent Transportation Systems*, **2021**, 22, 1627-1638	6.1	6
73	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 1233-1243	7.3	21
72	Aperiodic Sampled-Data-Based Control for Interval Type-2 Fuzzy Systems via Refined Adaptive Event-Triggered Communication Scheme. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 310-321	8.3	15
71	Fault Detection Filtering Design for Discrete-Time Interval Type-2 T□S Fuzzy Systems in Finite Frequency Domain. *IEEE Transactions on Fuzzy Systems*, **2021**, 29, 213-225	8.3	9
70	Dynamic Event-Based Non-Fragile Dissipative State Estimation for Quantized Complex Networks With Fading Measurements and Its Application. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2021**, 68, 856-867	3.9	11

69	Distributed Formation Control of Nonholonomic Wheeled Mobile Robots Subject to Longitudinal Slippage Constraints. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 2992-3003	7.3	5
68	Finite-time dynamic event-triggered distributed H-infinity filtering for T-S fuzzy systems. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	2
67	Asynchronous Output Feedback Control of Hidden Semi-Markov Jump Systems With Random Mode-Dependent Delays. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	9
66	. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	2
65	Compensation-Based Output Feedback Control for Fuzzy Markov Jump Systems With Random Packet Losses. *IEEE Transactions on Cybernetics*, **2021**, PP,	10.2	4
64	Interval Type-2 Fuzzy Control for HMM-Based Multiagent Systems Via Dynamic Event-Triggered Scheme. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	2
63	Event-Triggered Consensus of Multiagent Systems With Time-Varying Communication Delay. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-15	7.3	1
62	Nonlinear State Estimation With Multisensor Stochastic Scheduling. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-11	7.3	3
61	Aperiodic Sampled-Data Takagi-Sugeno Fuzzy Extended State Observer for A Class of Uncertain Nonlinear Systems with External Disturbance and Unmodeled Dynamics. *IEEE Transactions on Fuzzy Systems*, **2021**, 1-1	8.3	3
60	Distributed localization for dynamic multi-agent systems with randomly varying trajectory lengths. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	2
59	Resilient Static Output Feedback Control of Linear Semi-Markov Jump Systems With Incomplete Semi-Markov Kernel. *IEEE Transactions on Automatic Control*, **2021**, 66, 4274-4281	5.9	17
58	Tight Upper Bound for the Scrambling Constant of Uniformly Jointly Connected Directed Graphs With Application to Consensus of Multiagent Systems. *IEEE Transactions on Control of Network Systems*, **2021**, 8, 1082-1092	4	
57	Dissipativity-based filter design for Markov jump systems with packet loss compensation. *Automatica*, **2021**, 133, 109843	5.7	6
56	Event-Based Security Control for Stochastic Networked Systems Subject to Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 4643-4654	7.3	49
55	Dynamic output-feedback control of linear semi-Markov jump systems with incomplete semi-Markov kernel. *Automatica*, **2020**, 117, 108997	5.7	44
54	Distributed Event-Triggered Control for Cooperative Output Regulation of Multiagent Systems With an Online Estimation Algorithm. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	5
53	. *IEEE Transactions on Intelligent Vehicles*, **2020**, 5, 616-625	5	11
52	Distributed regular polygon formation control and obstacle avoidance for non-holonomic wheeled mobile robots with directed communication topology. *IET Control Theory and Applications*, **2020**, 14, 1113-1122	2.5	4

51	Sampling-Based Optimal Motion Planning With Smart Exploration and Exploitation. *IEEE/ASME Transactions on Mechatronics*, **2020**, 25, 2376-2386	5.5	8
50	H□Control of Singular System Based on Stochastic Cyber-Attacks and Dynamic Event-Triggered Mechanism. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-7	7.3	8
49	Observed-Based Finite-Time Control of Nonlinear Semi-Markovian Jump Systems With Saturation Constraint. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 1-11	7.3	11
48	Adaptive Event-Triggered Predictive Control for Finite Time Microgrid. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2020**, 67, 1035-1044	3.9	20
47	Distributed Event-Triggered Consensus of General Linear Multiagent Systems Under Directed Graphs. *IEEE Transactions on Cybernetics*, **2020**,	10.2	4
46	Output-based event-triggered consensus of general linear multi-agent systems with communication delay under directed graphs. *Journal of the Franklin Institute*, **2020**, 357, 3702-3720	4	9
45	Stability analysis of linear systems with time-varying delay via intermediate polynomial-based functions. *Automatica*, **2020**, 113, 108756	5.7	31
44	Active Suspension System Control With Decentralized Event-Triggered Scheme. *IEEE Transactions on Industrial Electronics*, **2020**, 67, 10798-10808	8.9	12
43	Dynamic Event-Triggered Asynchronous Control for Nonlinear Multiagent Systems Based on T□S Fuzzy Models. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	23
42	Membership-Function-Dependent Fault Detection Filtering Design for Interval Type-2 T□S Fuzzy Systems in Finite Frequency Domain. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	9
41	Fuzzy-Dependent-Switching Control of Nonlinear Systems With Aperiodic Sampling. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	6
40	Reliable Control for Flexible Spacecraft Systems With Aperiodic Sampling and Stochastic Actuator Failures. *IEEE Transactions on Cybernetics*, **2020**, PP,	10.2	4
39	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 5330-5337	7.3	11
38	Active Full-Vehicle Suspension Control via Cloud-Aided Adaptive Backstepping Approach. *IEEE Transactions on Cybernetics*, **2020**, 50, 3113-3124	10.2	29
37	Maneuvering Target Tracking With Event-Based Mixture Kalman Filter in Mobile Sensor Networks. *IEEE Transactions on Cybernetics*, **2020**, 50, 4346-4357	10.2	18
36	Stability and Stabilization With Additive Freedom for Delayed Takagi□Sugeno Fuzzy Systems by Intermediary-Polynomial-Based Functions. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 692-705	8.3	28
35	Event-Triggered H_infty State Estimation of 2-DOF Quarter-Car Suspension Systems With Nonhomogeneous Markov Switching. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2020**, 50, 3320-3329	7.3	40
34	Event-Based H_{infty} Fault Detection for Buck Converter With Multiplicative Noises Over Network. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2019**, 66, 2361-2370	3.9	19

33	Input□output finite-time mean square stabilization of nonlinear semi-Markovian jump systems. *Automatica*, **2019**, 104, 82-89	5.7	94
32	Robust cooperative output regulation of multi-agent systems via adaptive event-triggered control. *Automatica*, **2019**, 102, 129-136	5.7	116
31	Improved inequality-based functions approach for stability analysis of time delay system. *Automatica*, **2019**, 108, 108416	5.7	50
30	Output-Feedback Adaptive Control of Nonlinear Systems With Input□Output-Dependent Lower-Triangular Growth Rate: A Logic-Based Switching Approach. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 1-10	7.3	1
29	Almost surely state estimation for multi-rate networked systems under random and malicious packet losses. *Journal of the Franklin Institute*, **2019**, 356, 10593-10607	4	4
28	Adaptive Event-Triggered Transmission Scheme and H Filtering Co-Design Over a Filtering Network With Switching Topology. *IEEE Transactions on Cybernetics*, **2019**, 49, 4296-4307	10.2	85
27	Stability Analysis for Delayed Neural Networks via Improved Auxiliary Polynomial-Based Functions. *IEEE Transactions on Neural Networks and Learning Systems*, **2019**, 30, 2562-2568	10.3	46
26	Simultaneous Stabilization and Tracking of Nonholonomic WMRs With Input Constraints: Controller Design and Experimental Validation. *IEEE Transactions on Industrial Electronics*, **2019**, 66, 5343-5352	8.9	11
25	A Novel Sliding Mode Estimation for Microgrid Control With Communication Time Delays. *IEEE Transactions on Smart Grid*, **2019**, 10, 1509-1520	10.7	72
24	H_{infty} Output Tracking Control for Networked Systems With Adaptively Adjusted Event-Triggered Scheme. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 2050-2058	7.3	82
23	Adaptive Consensus-Based Distributed Target Tracking With Dynamic Cluster in Sensor Networks. *IEEE Transactions on Cybernetics*, **2019**, 49, 1580-1591	10.2	76
22	Distributed Event-Triggered Adaptive Control for Cooperative Output Regulation of Heterogeneous Multiagent Systems Under Switching Topology. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 4347-4358	10.3	34
21	Distributed H_{infty} Filtering for Switched Repeated Scalar Nonlinear Systems With Randomly Occurred Sensor Nonlinearities and Asynchronous Switching. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2263-2270	7.3	39
20	Collision-Free Navigation of Autonomous Vehicles Using Convex Quadratic Programming-Based Model Predictive Control. *IEEE/ASME Transactions on Mechatronics*, **2018**, 23, 1103-1113	5.5	38
19	Event-Triggered Asynchronous Guaranteed Cost Control for Markov Jump Discrete-Time Neural Networks With Distributed Delay and Channel Fading. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 3588-3598	10.3	116
18	Distributed H_infty State Estimation for a Class of Filtering Networks With Time-Varying Switching Topologies and Packet Losses. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2018**, 48, 2047-2057	7.3	69
17	. *IEEE Transactions on Industrial Informatics*, **2017**, 13, 312-321	11.9	117
16	Distributed event-triggered H□state estimation for T□S fuzzy systems over filtering networks. *Journal of the Franklin Institute*, **2017**, 354, 3760-3779	4	31

15	Codesign of Event-Triggered and Distributed $H_{infty }$ Filtering for Active Semi-Vehicle Suspension Systems. *IEEE/ASME Transactions on Mechatronics*, **2017**, 22, 1047-1058	5.5	141
14	Observer-based decentralized event-triggered H control for networked systems. *Journal of the Franklin Institute*, **2017**, 354, 3744-3759	4	13
13	Sampled-data control of nonlinear networked systems with time-delay and quantization. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 919-933	3.6	47
12	H consensus of event-based multi-agent systems with switching topology. *Information Sciences*, **2016**, 370-371, 623-635	7.7	81
11	H filtering for T S fuzzy networked systems with stochastic multiple delays and sensor faults. *Neurocomputing*, **2016**, 207, 590-598	5.4	9
10	$H_{infty }$ Fault Detection for Networked Mechanical Spring-Mass Systems With Incomplete Information. *IEEE Transactions on Industrial Electronics*, **2016**, 63, 5622-5631	8.9	137
9	Distributed event-triggered control for consensus of multi-agent systems. *Journal of the Franklin Institute*, **2015**, 352, 3476-3488	4	25
8	L2 control design of event-triggered networked control systems with quantizations. *Journal of the Franklin Institute*, **2015**, 352, 332-345	4	58
7	Observer-Based Output Feedback Event-Triggered Control for Consensus of Multi-Agent Systems. *IEEE Transactions on Industrial Electronics*, **2014**, 61, 4885-4894	8.9	349
6	Consensus of multi-agent systems with linear dynamics using event-triggered control. *IET Control Theory and Applications*, **2014**, 8, 2275-2281	2.5	39
5	Fuzzy Controller Design for Nonlinear Impulsive Fuzzy Systems With Time Delay. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 844-856	8.3	53
4	Robust H Filtering for Uncertain Nonlinear Stochastic Systems with Mode-dependent Time-delays and Markovian Jump Parameters. *Circuits, Systems, and Signal Processing*, **2011**, 30, 303-321	2.2	5
3	Quantized robust H-two filtering for Markovian jump linear systems over networks with nonaccessible mode information. *Journal of Control Theory and Applications*, **2011**, 9, 505-512		
2	. *IEEE Transactions on Fuzzy Systems*, **2011**, 19, 1153-1162	8.3	81
1	A GEVP formulation for robust predictor feedback controller design of linear systems with uncertain input delay. *International Journal of Systems Science*,1-13	2.3	