Zhongyang Fei

List of Publications by Year in Descending Order

64 papers	1,288 citations	20 h-index	34 g-index
71 ext. papers	1,744 ext. citations	4.9 avg, IF	5.47 L-index

#	Paper	IF	Citations
64	Generic stability criteria for switched nonlinear systems with switching-signal-based Lyapunov functions using Takagi-Sugeno fuzzy model. *IEEE Transactions on Fuzzy Systems*, **2022**, 1-1	8.3	1
63	Stabilization of switched linear neutral systems with time-scheduled feedback control strategy. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	0
62	Asynchronously bounded filtering for discrete-time switched positive systems. *Nonlinear Analysis: Hybrid Systems*, **2022**, 44, 101121	4.5	1
61	Time-scheduled observer design for switched linear systems with unknown inputs. *Science China Information Sciences*, **2022**, 65, 1	3.4	0
60	Zonotope-based interval estimation for 2-D FMLSS systems using an event-triggered mechanism. *IEEE Transactions on Automatic Control*, **2022**, 1-1	5.9	
59	Zonotopic Set-Membership State Estimation for Switched Systems with Restricted Switching. *IEEE Transactions on Automatic Control*, **2021**, 1-1	5.9	0
58	Distributed Model Predictive Control Based Secondary Frequency Regulation for a Microgrid With Massive Distributed Resources. *IEEE Transactions on Sustainable Energy*, **2021**, 12, 1078-1089	8.2	8
57	Improved Stability Criteria for Discrete-Time Switched T-S Fuzzy Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 712-720	7.3	30
56	Reliable Control for Vehicle Active Suspension Systems Under Event-Triggered Scheme With Frequency Range Limitation. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 1630-1641	7.3	26
55	. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 51, 2873-2884	7.3	15
54	Extended dissipativity of semi-Markov jump neural networks with partly unknown transition rates. *Neurocomputing*, **2021**, 423, 601-608	5.4	1
53	A Generalized Interpretation of Three Types of Disturbance-Based Controllers for Perturbed Integral Systems in Frequency Domain. *IEEE Transactions on Circuits and Systems II: Express Briefs*, **2021**, 68, 1328-1332	3.5	2
52	Learning Observer and Performance Tuning-Based Robust Consensus Policy for Multiagent Systems. *IEEE Systems Journal*, **2021**, 1-9	4.3	6
51	A Generalized PID Interpretation for High-order LADRC and Cascade LADRC for Servo Systems. *IEEE Transactions on Industrial Electronics*, **2021**, 1-1	8.9	4
50	Event-Based Fault Detection for Unmanned Surface Vehicles Subject to Denial-of-Service Attacks. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-11	7.3	4
49	A Discontinuous Lyapunov Function Approach for Hybrid Event-Triggered Control of T-S Fuzzy Systems. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2021**, 1-12	7.3	2
48	Event-Triggered Control for Switched T-S Fuzzy Systems with General Asynchronism. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	5

47	Finite-time control of switched systems under asynchronism based on quantized sampled-data. *Journal of the Franklin Institute*, **2020**, 357, 6635-6652	4	2
46	Modified Looped Functional for Sampled-Data Control of T S Fuzzy Markovian Jump Systems. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	10
45	Dynamic Event-Triggered Fault Detection via Zonotopic Residual Evaluation and Its Application to Vehicle Lateral Dynamics. *IEEE Transactions on Industrial Informatics*, **2020**, 16, 6952-6961	11.9	20
44	Dynamic event-triggered actuator fault estimation and accommodation for dynamical systems. *Information Sciences*, **2020**, 525, 119-133	7.7	13
43	A two-step approach to interval estimation for continuous-time switched linear systems. *IFAC-PapersOnLine*, **2020**, 53, 4175-4180	0.7	1
42	Finite-Time Control and Filtering. *Studies in Systems, Decision and Control*, **2020**, 189-208	0.8	
41	Stability Analysis. *Studies in Systems, Decision and Control*, **2020**, 21-37	0.8	
40	Zonotopic fault detection observer design for discrete-time systems with adaptively adjusted event-triggered mechanism. *IET Control Theory and Applications*, **2020**, 14, 96-104	2.5	5
39	Event-Triggered Dynamic Output Feedback Control for Switched Systems With Frequent Asynchronism. *IEEE Transactions on Automatic Control*, **2020**, 65, 3120-3127	5.9	45
38	Finite-Time Control for Switched T-S Fuzzy Systems via Dynamic Event-Triggered Mechanism. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	11
37	Stability and stabilization of singular Markovian jump systems by dynamic event-triggered control strategy. *Nonlinear Analysis: Hybrid Systems*, **2020**, 38, 100943	4.5	6
36	Zonotopic Fault Detection for Fuzzy Systems with Event-Triggered Transmission. *IEEE Transactions on Fuzzy Systems*, **2020**, 1-1	8.3	4
35	Reachable Set Estimation. *Studies in Systems, Decision and Control*, **2020**, 103-109	0.8	
34	. *IEEE Transactions on Fuzzy Systems*, **2020**, 28, 1531-1541	8.3	26
33	Asynchronous control for switched systems by using persistent dwell time modeling. *Systems and Control Letters*, **2019**, 133, 104523	2.4	14
32	Necessary and sufficient criteria for asynchronous stabilization of Markovian jump systems. *Journal of the Franklin Institute*, **2019**, 356, 1468-1483	4	5
31	Finite-time asynchronous filtering for switched linear systems with an event-triggered mechanism. *Journal of the Franklin Institute*, **2019**, 356, 5503-5520	4	14
30	Event-triggered fault estimation and fault-tolerant control for networked control systems. *Journal of the Franklin Institute*, **2019**, 356, 4420-4441	4	20

29	Integral-Based Event-Triggered Fault Detection Filter Design for Unmanned Surface Vehicles. *IEEE Transactions on Industrial Informatics*, **2019**, 15, 5626-5636	11.9	32
28	Passivity-based event-triggered fault tolerant control for VTOL with actuator failure and parameter uncertainties. *International Journal of Systems Science*, **2019**, 50, 817-828	2.3	5
27	Filtering for Switched T-S Fuzzy Systems With Persistent Dwell Time. *IEEE Transactions on Cybernetics*, **2019**, 49, 1923-1931	10.2	61
26	Distributed Discrete Robust Secondary Cooperative Control for Islanded Microgrids. *IEEE Transactions on Smart Grid*, **2019**, 10, 3620-3629	10.7	28
25	Reachable set estimation for discrete-time switched system with application to time-delay system. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 2468-2483	3.6	15
24	Stabilisation of continuous-time switched 2D systems with all unstable modes. *IET Control Theory and Applications*, **2018**, 12, 793-801	2.5	5
23	Exponential Synchronization of Networked Chaotic Delayed Neural Network by a Hybrid Event Trigger Scheme. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 2558-2567	10.3	94
22	Real-Time Compressive Sensing Based Control Strategy for a Multi-Area Power System. *IEEE Transactions on Smart Grid*, **2018**, 9, 4293-4302	10.7	10
21	Stability analysis and stabilization of Markovian jump systems with time-varying delay and uncertain transition information. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 68-85	3.6	13
20	Stabilization of 2-D Switched Systems With All Modes Unstable via Switching Signal Regulation. *IEEE Transactions on Automatic Control*, **2018**, 63, 857-863	5.9	33
19	Finite-time output feedback control for discrete-time switched linear systems with mode-dependent persistent dwell-time. *Journal of the Franklin Institute*, **2018**, 355, 5560-5575	4	15
18	Stability and stabilization for discrete-time switched systems with asynchronism. *Applied Mathematics and Computation*, **2018**, 338, 520-536	2.7	7
17	Quasi-Time-Dependent Output Control for Discrete-Time Switched System With Mode-Dependent Average Dwell Time. *IEEE Transactions on Automatic Control*, **2018**, 63, 2647-2653	5.9	95
16	Two-stage stability control for strict-feedback systems with input delays and input nonlinear uncertainties. *International Journal of Robust and Nonlinear Control*, **2018**, 28, 4105-4120	3.6	2
15	Synchronization for switched neural networks via variable sampled-data control method. *Neurocomputing*, **2018**, 311, 325-332	5.4	14
14	Modal analysis of finite-state dynamic inflow for rotary wing systems. *JVC/Journal of Vibration and Control*, **2017**, 23, 1086-1094	2	1
13	Quasi-time-dependent control for 2-D switched systems with actuator saturation. *Information Sciences*, **2017**, 408, 115-128	7.7	20
12	Asynchronous control for 2-D switched systems with mode-dependent average dwell time. *Automatica*, **2017**, 79, 198-206	5.7	86

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11	On Finite frequency H∞ performance for discrete linear time delay systems. *International Journal of Systems Science*, **2017**, 48, 1548-1555	2.3	3
10	Further results on H∞ control for discrete-time Markovian jump time-delay systems. *International Journal of Control*, **2017**, 90, 1505-1517	1.5	26
9	Three-dimensional dynamic inflow below the rotor disk based on the finite-state method. *JVC/Journal of Vibration and Control*, **2016**, 22, 3491-3503	2	0
8	Finite-time H∞ control of switched systems with mode-dependent average dwell time. *Journal of the Franklin Institute*, **2016**, 353, 221-234	4	33
7	New results on stability analysis and stabilization of time-delay continuous Markovian jump systems with partially known rates matrix. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 1873-1887	3.6	14
6	Improved H∞ filter design for discrete-time Markovian jump systems with time-varying delay. *Journal of the Franklin Institute*, **2016**, 353, 4156-4175	4	25
5	Applications and data of generalised dynamic wake theory of the flow in a rotor wake. *IET Control Theory and Applications*, **2015**, 9, 1051-1057	2.5	5
4	Further Results on Exponential Estimates of Markovian Jump Systems With Mode-Dependent Time-Varying Delays. *IEEE Transactions on Automatic Control*, **2011**, 56, 223-229	5.9	114
3	A Generalized Parameter-Dependent Approach to Robust H ∞ Filtering of Stochastic Systems. *Circuits, Systems, and Signal Processing*, **2009**, 28, 191-204	2.2	8
2	New results on stabilization of Markovian jump systems with time delay. *Automatica*, **2009**, 45, 2300-2306	5.7	167
1	State estimation for discrete-time neural networks with time-varying delays. *Neurocomputing*, **2008** , 72, 643-647	5.4	54