

# Zhongyang Fei

## List of Publications by Citations

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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	New results on stabilization of Markovian jump systems with time delay. <i>Automatica</i> , <b>2009</b> , 45, 2300-2306	5.7	167
63	Further Results on Exponential Estimates of Markovian Jump Systems With Mode-Dependent Time-Varying Delays. <i>IEEE Transactions on Automatic Control</i> , <b>2011</b> , 56, 223-229	5.9	114
62	Quasi-Time-Dependent Output Control for Discrete-Time Switched System With Mode-Dependent Average Dwell Time. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 2647-2653	5.9	95
61	Exponential Synchronization of Networked Chaotic Delayed Neural Network by a Hybrid Event Trigger Scheme. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , <b>2018</b> , 29, 2558-2567	10.3	94
60	Asynchronous control for 2-D switched systems with mode-dependent average dwell time. <i>Automatica</i> , <b>2017</b> , 79, 198-206	5.7	86
59	Filtering for Switched T-S Fuzzy Systems With Persistent Dwell Time. <i>IEEE Transactions on Cybernetics</i> , <b>2019</b> , 49, 1923-1931	10.2	61
58	State estimation for discrete-time neural networks with time-varying delays. <i>Neurocomputing</i> , <b>2008</b> , 72, 643-647	5.4	54
57	Event-Triggered Dynamic Output Feedback Control for Switched Systems With Frequent Asynchronism. <i>IEEE Transactions on Automatic Control</i> , <b>2020</b> , 65, 3120-3127	5.9	45
56	Stabilization of 2-D Switched Systems With All Modes Unstable via Switching Signal Regulation. <i>IEEE Transactions on Automatic Control</i> , <b>2018</b> , 63, 857-863	5.9	33
55	Finite-time $H_2$ control of switched systems with mode-dependent average dwell time. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 221-234	4	33
54	Integral-Based Event-Triggered Fault Detection Filter Design for Unmanned Surface Vehicles. <i>IEEE Transactions on Industrial Informatics</i> , <b>2019</b> , 15, 5626-5636	11.9	32
53	Improved Stability Criteria for Discrete-Time Switched T $\Sigma$ Fuzzy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 712-720	7.3	30
52	Distributed Discrete Robust Secondary Cooperative Control for Islanded Microgrids. <i>IEEE Transactions on Smart Grid</i> , <b>2019</b> , 10, 3620-3629	10.7	28
51	Further results on $H_2$ control for discrete-time Markovian jump time-delay systems. <i>International Journal of Control</i> , <b>2017</b> , 90, 1505-1517	1.5	26
50	. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 28, 1531-1541	8.3	26
49	Reliable Control for Vehicle Active Suspension Systems Under Event-Triggered Scheme With Frequency Range Limitation. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 1630-1641	7.3	26
48	Improved $H_2$ filter design for discrete-time Markovian jump systems with time-varying delay. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 4156-4175	4	25

47	Quasi-time-dependent control for 2-D switched systems with actuator saturation. <i>Information Sciences</i> , <b>2017</b> , 408, 115-128	7.7	20
46	Event-triggered fault estimation and fault-tolerant control for networked control systems. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 4420-4441	4	20
45	Dynamic Event-Triggered Fault Detection via Zonotopic Residual Evaluation and Its Application to Vehicle Lateral Dynamics. <i>IEEE Transactions on Industrial Informatics</i> , <b>2020</b> , 16, 6952-6961	11.9	20
44	Reachable set estimation for discrete-time switched system with application to time-delay system. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 2468-2483	3.6	15
43	Finite-time output feedback control for discrete-time switched linear systems with mode-dependent persistent dwell-time. <i>Journal of the Franklin Institute</i> , <b>2018</b> , 355, 5560-5575	4	15
42	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 51, 2873-2884	7.3	15
41	Asynchronous control for switched systems by using persistent dwell time modeling. <i>Systems and Control Letters</i> , <b>2019</b> , 133, 104523	2.4	14
40	Finite-time asynchronous filtering for switched linear systems with an event-triggered mechanism. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 5503-5520	4	14
39	New results on stability analysis and stabilization of time-delay continuous Markovian jump systems with partially known rates matrix. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 1873-1887	3.6	14
38	Synchronization for switched neural networks via variable sampled-data control method. <i>Neurocomputing</i> , <b>2018</b> , 311, 325-332	5.4	14
37	Dynamic event-triggered actuator fault estimation and accommodation for dynamical systems. <i>Information Sciences</i> , <b>2020</b> , 525, 119-133	7.7	13
36	Stability analysis and stabilization of Markovian jump systems with time-varying delay and uncertain transition information. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 68-85	3.6	13
35	Finite-Time Control for Switched T-S Fuzzy Systems via Dynamic Event-Triggered Mechanism. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	11
34	Modified Looped Functional for Sampled-Data Control of TS Fuzzy Markovian Jump Systems. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	10
33	Real-Time Compressive Sensing Based Control Strategy for a Multi-Area Power System. <i>IEEE Transactions on Smart Grid</i> , <b>2018</b> , 9, 4293-4302	10.7	10
32	A Generalized Parameter-Dependent Approach to Robust H <sub>∞</sub> Filtering of Stochastic Systems. <i>Circuits, Systems, and Signal Processing</i> , <b>2009</b> , 28, 191-204	2.2	8
31	Distributed Model Predictive Control Based Secondary Frequency Regulation for a Microgrid With Massive Distributed Resources. <i>IEEE Transactions on Sustainable Energy</i> , <b>2021</b> , 12, 1078-1089	8.2	8
30	Stability and stabilization for discrete-time switched systems with asynchronism. <i>Applied Mathematics and Computation</i> , <b>2018</b> , 338, 520-536	2.7	7

29	Stability and stabilization of singular Markovian jump systems by dynamic event-triggered control strategy. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2020</b> , 38, 100943	4.5	6
28	Learning Observer and Performance Tuning-Based Robust Consensus Policy for Multiagent Systems. <i>IEEE Systems Journal</i> , <b>2021</b> , 1-9	4.3	6
27	Necessary and sufficient criteria for asynchronous stabilization of Markovian jump systems. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 1468-1483	4	5
26	Applications and data of generalised dynamic wake theory of the flow in a rotor wake. <i>IET Control Theory and Applications</i> , <b>2015</b> , 9, 1051-1057	2.5	5
25	Event-Triggered Control for Switched T-S Fuzzy Systems with General Asynchronism. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	5
24	Stabilisation of continuous-time switched 2D systems with all unstable modes. <i>IET Control Theory and Applications</i> , <b>2018</b> , 12, 793-801	2.5	5
23	Zonotopic fault detection observer design for discrete-time systems with adaptively adjusted event-triggered mechanism. <i>IET Control Theory and Applications</i> , <b>2020</b> , 14, 96-104	2.5	5
22	Passivity-based event-triggered fault tolerant control for VTOL with actuator failure and parameter uncertainties. <i>International Journal of Systems Science</i> , <b>2019</b> , 50, 817-828	2.3	5
21	Zonotopic Fault Detection for Fuzzy Systems with Event-Triggered Transmission. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2020</b> , 1-1	8.3	4
20	A Generalized PID Interpretation for High-order LADRC and Cascade LADRC for Servo Systems. <i>IEEE Transactions on Industrial Electronics</i> , <b>2021</b> , 1-1	8.9	4
19	Event-Based Fault Detection for Unmanned Surface Vehicles Subject to Denial-of-Service Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-11	7.3	4
18	On Finite frequency H <sub>2</sub> performance for discrete linear time delay systems. <i>International Journal of Systems Science</i> , <b>2017</b> , 48, 1548-1555	2.3	3
17	Finite-time control of switched systems under asynchronism based on quantized sampled-data. <i>Journal of the Franklin Institute</i> , <b>2020</b> , 357, 6635-6652	4	2
16	A Generalized Interpretation of Three Types of Disturbance-Based Controllers for Perturbed Integral Systems in Frequency Domain. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , <b>2021</b> , 68, 1328-1332	3.5	2
15	Two-stage stability control for strict-feedback systems with input delays and input nonlinear uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , <b>2018</b> , 28, 4105-4120	3.6	2
14	A Discontinuous Lyapunov Function Approach for Hybrid Event-Triggered Control of T-S Fuzzy Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , <b>2021</b> , 1-12	7.3	2
13	Modal analysis of finite-state dynamic inflow for rotary wing systems. <i>JVC/Journal of Vibration and Control</i> , <b>2017</b> , 23, 1086-1094	2	1
12	Generic stability criteria for switched nonlinear systems with switching-signal-based Lyapunov functions using Takagi-Sugeno fuzzy model. <i>IEEE Transactions on Fuzzy Systems</i> , <b>2022</b> , 1-1	8.3	1

11	A two-step approach to interval estimation for continuous-time switched linear systems. <i>IFAC-PapersOnLine</i> , <b>2020</b> , 53, 4175-4180	0.7	1
10	Asynchronously bounded filtering for discrete-time switched positive systems. <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2022</b> , 44, 101121	4.5	1
9	Extended dissipativity of semi-Markov jump neural networks with partly unknown transition rates. <i>Neurocomputing</i> , <b>2021</b> , 423, 601-608	5.4	1
8	Three-dimensional dynamic inflow below the rotor disk based on the finite-state method. <i>JVC/Journal of Vibration and Control</i> , <b>2016</b> , 22, 3491-3503	2	0
7	Stabilization of switched linear neutral systems with time-scheduled feedback control strategy. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	0
6	Zonotopic Set-Membership State Estimation for Switched Systems with Restricted Switching. <i>IEEE Transactions on Automatic Control</i> , <b>2021</b> , 1-1	5.9	0
5	Time-scheduled observer design for switched linear systems with unknown inputs. <i>Science China Information Sciences</i> , <b>2022</b> , 65, 1	3.4	0
4	Finite-Time Control and Filtering. <i>Studies in Systems, Decision and Control</i> , <b>2020</b> , 189-208	0.8	
3	Stability Analysis. <i>Studies in Systems, Decision and Control</i> , <b>2020</b> , 21-37	0.8	
2	Reachable Set Estimation. <i>Studies in Systems, Decision and Control</i> , <b>2020</b> , 103-109	0.8	
1	Zonotope-based interval estimation for 2-D FMLSS systems using an event-triggered mechanism. <i>IEEE Transactions on Automatic Control</i> , <b>2022</b> , 1-1	5.9	