

# Zhou Gu

## List of Publications by Year in descending order

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87  
papers

2,457  
citations

185998

28  
h-index

214527

47  
g-index

88  
all docs

88  
docs citations

88  
times ranked

1228  
citing authors

#	ARTICLE	IF	CITATIONS
1	Decentralized Adaptive Event-Triggered $H_{\infty}$ Filtering for a Class of Networked Nonlinear Interconnected Systems. IEEE Transactions on Cybernetics, 2019, 49, 1570-1579.	6.2	144
2	Relaxed Resilient Fuzzy Stabilization of Discrete-Time Takagi-Sugeno Systems via a Higher Order Time-Variant Balanced Matrix Method. IEEE Transactions on Fuzzy Systems, 2022, 30, 5044-5050.	6.5	135
3	On designing of an adaptive event-triggered communication scheme for nonlinear networked interconnected control systems. Information Sciences, 2018, 422, 257-270.	4.0	127
4	A delay distribution based stability analysis and synthesis approach for networked control systems. Journal of the Franklin Institute, 2009, 346, 349-365.	1.9	109
5	Adaptive event-triggered control of a class of nonlinear networked systems. Journal of the Franklin Institute, 2017, 354, 3854-3871.	1.9	103
6	T-S Fuzzy Model-Based Robust Stabilization for Networked Control Systems With Probabilistic Sensor and Actuator Failure. IEEE Transactions on Fuzzy Systems, 2011, 19, 553-561.	6.5	99
7	Decentralized event-triggered $H_{\infty}$ control for neural networks subject to cyber-attacks. Information Sciences, 2018, 457-458, 141-155.	4.0	91
8	Event-Triggered $H_{\infty}$ Filtering for T-S Fuzzy-Model-Based Nonlinear Networked Systems With Multisensors Against DoS Attacks. IEEE Transactions on Cybernetics, 2022, 52, 5311-5321.	6.2	91
9	An adaptive event-triggering scheme for networked interconnected control system with stochastic uncertainty. International Journal of Robust and Nonlinear Control, 2017, 27, 236-251.	2.1	74
10	Event-triggered filter design for nonlinear cyber-physical systems subject to deception attacks. ISA Transactions, 2020, 104, 130-137.	3.1	74
11	Memory-Based Continuous Event-Triggered Control for Networked T-S Fuzzy Systems Against Cyberattacks. IEEE Transactions on Fuzzy Systems, 2021, 29, 3118-3129.	6.5	71
12	Event-Triggered Security Output Feedback Control for Networked Interconnected Systems Subject to Cyber-Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6197-6206.	5.9	68
13	Co-design of event generator and filtering for a class of T-S fuzzy systems with stochastic sensor faults. Fuzzy Sets and Systems, 2015, 273, 124-140.	1.6	60
14	$H_{\infty}$ tracking control of nonlinear networked systems with a novel adaptive event-triggered communication scheme. Journal of the Franklin Institute, 2017, 354, 3540-3553.	1.9	60
15	Robust control for nonlinear systems over network: A piecewise analysis method. Fuzzy Sets and Systems, 2010, 161, 2731-2745.	1.6	59
16	Path Tracking Control of Autonomous Vehicles Subject to Deception Attacks via a Learning-Based Event-Triggered Mechanism. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 5644-5653.	7.2	53
17	Observer-based fault detection for networked control systems with network Quality of Services. Applied Mathematical Modelling, 2010, 34, 1653-1661.	2.2	48
18	Memory-Event-Triggered $H_{\infty}$ Load Frequency Control of Multi-Area Power Systems With Cyber-Attacks and Communication Delays. IEEE Transactions on Network Science and Engineering, 2021, 8, 1571-1583.	4.1	44

#	ARTICLE	IF	CITATIONS
19	Adaptive Memory-Event-Triggered Static Output Control of Tâ€“S Fuzzy Wind Turbine Systems. IEEE Transactions on Fuzzy Systems, 2022, 30, 3894-3904.	6.5	43
20	Event-triggered dynamic output feedback control for networked control systems with probabilistic nonlinearities. Information Sciences, 2018, 457-458, 99-112.	4.0	41
21	Event-driven finite-time control for continuous-time networked switched systems under cyber attacks. Journal of the Franklin Institute, 2020, 357, 11690-11709.	1.9	41
22	Observer-based adaptive fixed-time formation control for multi-agent systems with unknown uncertainties. Neurocomputing, 2021, 423, 506-517.	3.5	37
23	Event-Based Secure Control of Tâ€™S Fuzzy-Based 5-DOF Active Semivehicle Suspension Systems Subject to DoS Attacks. IEEE Transactions on Fuzzy Systems, 2022, 30, 2032-2043.	6.5	35
24	A novel event-triggered mechanism for networked cascade control system with stochastic nonlinearities and actuator failures. Journal of the Franklin Institute, 2019, 356, 1955-1974.	1.9	34
25	Sampling period scheduling of networked control systems with multiple-control loops. Mathematics and Computers in Simulation, 2009, 79, 1502-1511.	2.4	32
26	Memory-Event-Triggered Fault Detection of Networked IT2 Tâ€™S Fuzzy Systems. IEEE Transactions on Cybernetics, 2023, 53, 743-752.	6.2	31
27	New mixedâ€delayâ€dependent robust stability conditions for uncertain linear neutral systems. IET Control Theory and Applications, 2014, 8, 606-613.	1.2	30
28	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, 8, 3233-3241.	4.1	30
29	Resilient Event-Triggered Output Feedback Control for Load Frequency Control Systems Subject to Cyber Attacks. IEEE Access, 2019, 7, 58951-58958.	2.6	29
30	Event-Triggered Dissipative Tracking Control of Networked Control Systems With Distributed Communication Delay. IEEE Systems Journal, 2022, 16, 3320-3330.	2.9	29
31	Robust Control of Automotive Active Seat-Suspension System Subject to Actuator Saturation. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2014, 136, .	0.9	28
32	Memory-event-trigger-based secure control of cloud-aided active suspension systems against deception attacks. Information Sciences, 2021, 543, 1-17.	4.0	25
33	New results on $H_{\infty}$ filter design for nonlinear systems with time-delay through a T-S fuzzy model approach. International Journal of Systems Science, 2012, 43, 426-442.	3.7	24
34	$H_{\infty}$ Weighted Integral Event-Triggered Synchronization of Neural Networks With Mixed Delays. IEEE Transactions on Industrial Informatics, 2021, 17, 2365-2375.	7.2	24
35	State estimation for Markovian jumping genetic regulatory networks with random delays. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 2479-2492.	1.7	22
36	Early smoke detection of forest fire video using CS Adaboost algorithm. Optik, 2015, 126, 2121-2124.	1.4	22

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37	Fault tolerant control for systems with interval time-varying delay and actuator saturation. Journal of the Franklin Institute, 2013, 350, 231-243.	1.9	19
38	Event-triggered reliable $H^\infty$ filter design for networked systems with multiple sensor distortions: A probabilistic partition approach. ISA Transactions, 2017, 66, 2-9.	3.1	19
39	Memory-Event-Triggered Output Control of Neural Networks With Mixed Delays. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6905-6915.	7.2	18
40	Event-based switching control for networked switched systems under nonperiodic DoS jamming attacks. IET Control Theory and Applications, 2020, 14, 3097-3106.	1.2	18
41	Memory-Event-Triggered $H^\infty$ Filtering of Unmanned Surface Vehicles With Communication Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 2463-2467.	2.2	17
42	Switched event-based control for nonlinear cyber-physical systems under deception attacks. Nonlinear Dynamics, 2021, 106, 2245-2257.	2.7	17
43	Security Control for Adaptive Event-Triggered Networked Control Systems Under Deception Attacks. IEEE Access, 2021, 9, 10789-10796.	2.6	16
44	Reliable control for interval time-varying delay systems subjected to actuator saturation and stochastic failure. Optimal Control Applications and Methods, 2012, 33, 739-750.	1.3	15
45	Memory-based event-triggered leader-following consensus for T-S fuzzy multi-agent systems subject to deception attacks. Journal of the Franklin Institute, 2022, 359, 599-618.	1.9	15
46	A Novel Memetic Algorithm for Global Optimization Based on PSO and SFLA. , 2007, , 127-136.		14
47	Delay-Dependent $H^\infty$ Filtering for Markovian Jump Time-Delay Systems: A Piecewise Analysis Method. Circuits, Systems, and Signal Processing, 2011, 30, 1253-1273.	1.2	14
48	Event-Triggered Synchronization of Chaotic Lur'e Systems via Memory-Based Triggering Approach. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1427-1431.	2.2	13
49	Event-Triggered $H^\infty$ Filter Design of T-S Fuzzy Systems Subject to Hybrid Attacks and Sensor Saturation. IEEE Access, 2020, 8, 126530-126539.	2.6	12
50	Probability-Density-Dependent Load Frequency Control of Power Systems With Random Delays and Cyber-Attacks via Circuitual Implementation. IEEE Transactions on Smart Grid, 2022, 13, 4837-4847.	6.2	12
51	Reliable $H^\infty$ filter design for sampled-data systems with consideration of probabilistic sensor signal distortion. IET Signal Processing, 2013, 7, 420-426.	0.9	11
52	Finite-time $H^\infty$ filtering of Markov jump systems with incomplete transition probabilities: a probability approach. IET Signal Processing, 2015, 9, 572-578.	0.9	11
53	Derivative-based event-triggered control for networked systems with quantization. Applied Mathematics and Computation, 2020, 383, 125359.	1.4	11
54	Fixed-time adaptive observer-based time-varying formation control for multi-agent systems with directed topologies. Neurocomputing, 2021, 463, 483-494.	3.5	11

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55	Fault tolerant control for discrete networked control systems with random faults. International Journal of Control, Automation and Systems, 2012, 10, 444-448.	1.6	10
56	Enhanced Resilient Fuzzy Stabilization of Discrete-Time Takagi-Sugeno Systems Based on Augmented Time-Variant Matrix Approach. IEEE Transactions on Cybernetics, 2024, 54, 929-934.	6.2	9
57	H8Filtering for time-delay systems with Markovian jumping parameters: Delay partitioning approach. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2010, 33, 357-365.	0.6	8
58	A novel fuzzy entropy image segmentation approach based on grey relational analysis. , 2007, , .		7
59	Stochastic faulty actuator-based reliable control for a class of interval time-varying delay systems with Markovian jumping parameters. Optimal Control Applications and Methods, 2011, 32, 313-327.	1.3	7
60	A new approach to H <sub>∞</sub> filtering for linear time-delay systems. Journal of the Franklin Institute, 2012, 349, 184-200.	1.9	7
61	Network-based precise tracking control of systems subject to stochastic failure and non-zero input. IET Control Theory and Applications, 2013, 7, 1370-1376.	1.2	7
62	Event-Triggered Filter Design Based on Average Measurement Output for Networked Unmanned Surface Vehicles. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3804-3808.	2.2	7
63	Fault-Distribution Dependent Reliable Control for T-S Fuzzy Time-Delayed Systems. Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME, 2011, 133, .	0.9	6
64	H <sub>∞</sub> filtering for discrete-time systems subject to stochastic missing measurements: a decomposition approach. International Journal of Systems Science, 2014, 45, 1356-1363.	3.7	6
65	Observer-Based Fixed-Time Consensus Control for Nonlinear Multi-Agent Systems Subjected to Measurement Noises. IEEE Access, 2020, 8, 174191-174199.	2.6	6
66	Co-Design of Event-Triggered Scheme and H <sub>∞</sub> Output Control for Markov Jump Systems Against Deception Attacks. IEEE Access, 2020, 8, 106554-106563.	2.6	6
67	Lyapunov-Function-Based Event-Triggered Control of Nonlinear Discrete-Time Cyber-Physical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2817-2821.	2.2	6
68	Fault-distribution-dependent reliable fuzzy control for T-S fuzzy systems with interval time-varying delay. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an, 2012, 35, 633-640.	0.6	5
69	Output Feedback Reliable H <sub>∞</sub> Control for Networked Control System. Communications in Computer and Information Science, 2014, , 459-467.	0.4	3
70	Reliable control for nonlinear systems with stochastic actuators fault and random delays through a T-S fuzzy model approach. Acta Mathematicae Applicatae Sinica, 2016, 32, 395-406.	0.4	3
71	Further Studies on State Estimation of Discrete-Time Nonlinear Circuits Based on a Switching-Type Multi-Instant Fuzzy Observer. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3505-3509.	2.2	3
72	A resource-aware control approach to vehicle platoons under false data injection attacks. ISA Transactions, 2022, 131, 367-376.	3.1	3

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73	A Novel Event-Triggered Control of DC Microgrids Against Probabilistic Actuator Fault. IEEE Access, 2022, 10, 71186-71193.	2.6	3
74	Derivative-based Event-triggered Control of Switched Nonlinear Cyber-physical Systems with Actuator Saturation. International Journal of Control, Automation and Systems, 2022, 20, 2474-2482.	1.6	3
75	Synchronization stability of complex dynamical networks with probabilistic time-varying delays. , 2009, , .		2
76	Fault-distribution-dependent reliable control for time-varying delay system. Journal of Control Theory and Applications, 2011, 9, 589-593.	0.8	2
77	Comments on "Decentralized Stabilization of Interconnected Systems With Time-Varying Delays". IEEE Transactions on Automatic Control, 2012, 57, 809-810.	3.6	2
78	Robust $H_{\infty}$ Control for linear systems with delay in state or input. , 2010, , .		1
79	Observer-based adaptive fault-tolerant control of a class of nonlinear systems with actuator failures. , 2016, , .		1
80	Consensus Disturbance Rejection with Delay and Parameter Adaptive Estimation. , 2018, , .		1
81	Full-order sliding mode control for finite-time attitude synchronization of rigid spacecraft with input delay. , 2019, , .		1
82	Event-Triggered Formation Tracking Control for Unmanned Aerial Vehicles Subjected to Deception Attacks. Electronics (Switzerland), 2021, 10, 2736.	1.8	1
83	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, 2022, 69, 2191-2195.	2.2	1
84	Improved robust $H_{\infty}$ control for delay systems with uncertainties. , 2009, , .		0
85	Reliable output feedback control for systems with control input delay and stochastic actuator failure. , 2011, , .		0
86	Gain-scheduled $H_{\infty}$ control for networked superheated steam temperature. , 2014, , .		0
87	$H_{\infty}$ controller design for continuous networked control systems based on a switched system approach. , 2016, , .		0