

Engang Tian

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	A Delay System Method for Designing Event-Triggered Controllers of Networked Control Systems. IEEE Transactions on Automatic Control, 2013, 58, 475-481.	5.7	1,356
2	Memory-Based Event-Triggering H_∞ Load Frequency Control for Power Systems Under Deception Attacks. IEEE Transactions on Cybernetics, 2020, 50, 4610-4618.	9.5	302
3	Quantized Stabilization for Tâ€‘S Fuzzy Systems With Hybrid-Triggered Mechanism and Stochastic Cyber-Attacks. IEEE Transactions on Fuzzy Systems, 2018, 26, 3820-3834.	9.8	173
4	Delay-dependent robust H_∞ control for Tâ€‘S fuzzy system with interval time-varying delay. Fuzzy Sets and Systems, 2009, 160, 1708-1719.	2.7	168
5	Probabilisticâ€‘constrained filtering for a class of nonlinear systems with improved static eventâ€‘triggered communication. International Journal of Robust and Nonlinear Control, 2019, 29, 1484-1498.	3.7	161
6	Resilient control of networked control systems under deception attacks: A memoryâ€‘eventâ€‘triggered communication scheme. International Journal of Robust and Nonlinear Control, 2020, 30, 1534-1548.	3.7	151
7	Chance-constrained H_∞ control for a class of time-varying systems with stochastic nonlinearities: The finite-horizon case. Automatica, 2019, 107, 226-235.	3.7	147
8	On designing of an adaptive event-triggered communication scheme for nonlinear networked interconnected control systems. Information Sciences, 2018, 422, 257-270.	6.9	127
9	Delayâ€‘distributionâ€‘dependent robust stability of uncertain systems with timeâ€‘varying delay. International Journal of Robust and Nonlinear Control, 2009, 19, 377-393.	3.7	117
10	A delay distribution based stability analysis and synthesis approach for networked control systems. Journal of the Franklin Institute, 2009, 346, 349-365.	3.4	109
11	Reliable control for networked control systems with probabilistic actuator fault and random delays. Journal of the Franklin Institute, 2010, 347, 1907-1926.	3.4	107
12	Reliable H_∞ filter design for Tâ€‘S fuzzy modelâ€‘based networked control systems with random sensor failure. International Journal of Robust and Nonlinear Control, 2013, 23, 15-32.	3.7	107
13	Adaptive event-triggered control of a class of nonlinear networked systems. Journal of the Franklin Institute, 2017, 354, 3854-3871.	3.4	103
14	Tâ€‘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.	9.8	99
15	Decentralized event-triggered H_∞ control for neural networks subject to cyber-attacks. Information Sciences, 2018, 457-458, 141-155.	6.9	91
16	Filtering for Discrete-Time Switched Systems With Known Sojourn Probabilities. IEEE Transactions on Automatic Control, 2015, 60, 2446-2451.	5.7	88
17	Hybrid-triggered-based security controller design for networked control system under multiple cyber attacks. Information Sciences, 2021, 548, 69-84.	6.9	88
18	Distributed event-triggered control for networked control systems with stochastic cyber-attacks. Journal of the Franklin Institute, 2019, 356, 10260-10276.	3.4	87

#	ARTICLE	IF	CITATIONS
19	Hybrid-driven-based H_∞ filter design for neural networks subject to deception attacks. Applied Mathematics and Computation, 2018, 320, 158-174.	2.2	84
20	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.	9.5	84
21	Event-Based Security Control for State-Dependent Uncertain Systems Under Hybrid-Attacks and Its Application to Electronic Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 4817-4828.	5.4	81
22	Security distributed state estimation for nonlinear networked systems against DoS attacks. International Journal of Robust and Nonlinear Control, 2020, 30, 1156-1180.	3.7	69
23	Decentralized control of network-based interconnected systems: A state-dependent triggering method. International Journal of Robust and Nonlinear Control, 2015, 25, 1126-1144.	3.7	68
24	Nondestructive Defect Detection in Castings by Using Spatial Attention Bilinear Convolutional Neural Network. IEEE Transactions on Industrial Informatics, 2021, 17, 82-89.	11.3	66
25	Stochastic Event-Triggered H_∞ Control for Networked Systems Under Denial of Service Attacks. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 4200-4210.	9.3	65
26	Adaptive memory-event-triggered H_∞ control for network-based Tâ€S fuzzy systems with asynchronous premise constraints. IET Control Theory and Applications, 2021, 15, 534-544.	2.1	61
27	Co-design of event generator and filtering for a class of Tâ€S fuzzy systems with stochastic sensor faults. Fuzzy Sets and Systems, 2015, 273, 124-140.	2.7	60
28	Probabilistic-constrained distributed fusion filtering for a class of time-varying systems over sensor networks: a torus-event-triggering mechanism. International Journal of Systems Science, 2022, 53, 1288-1297.	5.5	60
29	Robust control for nonlinear systems over network: A piecewise analysis method. Fuzzy Sets and Systems, 2010, 161, 2731-2745.	2.7	59
30	Dynamic Event-Triggered Output Feedback Control for Networked Systems Subject to Multiple Cyber Attacks. IEEE Transactions on Cybernetics, 2022, 52, 13800-13808.	9.5	56
31	Decentralized event-triggering communication scheme for large-scale systems under network environments. Information Sciences, 2017, 380, 132-144.	6.9	54
32	Resilient observer-based control for networked nonlinear Tâ€S fuzzy systems with hybrid-triggered scheme. Nonlinear Dynamics, 2018, 91, 2049-2061.	5.2	53
33	An improved memory-event-triggered control for networked control systems. Journal of the Franklin Institute, 2019, 356, 7210-7223.	3.4	50
34	Chance-Constrained H_{∞} State Estimation for Recursive Neural Networks Under Deception Attacks and Energy Constraints: The Finite-Horizon Case. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 6492-6503.	11.3	48
35	An adaptive torus-event-based controller design for networked Tâ€S fuzzy systems under deception attacks. International Journal of Robust and Nonlinear Control, 2022, 32, 3425-3441.	3.7	47
36	H_∞ filtering for networked systems with hybrid-triggered communication mechanism and stochastic cyber attacks. Journal of the Franklin Institute, 2017, 354, 8490-8512.	3.4	44

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37	Finite-Time and Fixed-Time Bipartite Consensus Tracking of Multi-Agent Systems With Weighted Antagonistic Interactions. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 426-433.	5.4	41
38	Probabilistic-Constrained Distributed Filtering for a Class of Nonlinear Stochastic Systems Subject to Periodic DoS Attacks. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 5369-5379.	5.4	39
39	Robust control for Markovian jump systems with partially known transition probabilities and nonlinearities. Journal of the Franklin Institute, 2013, 350, 2069-2083.	3.4	37
40	Robust H_∞ control for switched systems with input delays: A sojourn-probability-dependent method. Information Sciences, 2014, 283, 22-35.	6.9	36
41	An event-triggered approach to security control for networked systems using hybrid attack model. International Journal of Robust and Nonlinear Control, 2021, 31, 5796-5812.	3.7	34
42	Reliable control for hybrid-driven $T\text{-}S$ fuzzy systems with actuator faults and probabilistic nonlinear perturbations. Journal of the Franklin Institute, 2017, 354, 3267-3288.	3.4	32
43	Event-triggered non-fragile state estimation for delayed neural networks with randomly occurring sensor nonlinearity. Neurocomputing, 2018, 273, 1-8.	5.9	32
44	On improved delay-dependent robust H_∞ control for systems with interval time-varying delay. Journal of the Franklin Institute, 2011, 348, 555-567.	3.4	30
45	Decentralized event-triggered synchronization control for complex networks with nonperiodic DoS attacks. International Journal of Robust and Nonlinear Control, 2022, 32, 1633-1653.	3.7	28
46	Quantized state estimation for neural networks with cyber attacks and hybrid triggered communication scheme. Neurocomputing, 2018, 291, 35-49.	5.9	27
47	Input-output finite-time stability for networked control systems with memory event-triggered scheme. Journal of the Franklin Institute, 2019, 356, 8507-8520.	3.4	27
48	State-of-Charge Estimation of Lithium-Ion Batteries Subject to Random Sensor Data Unavailability: A Recursive Filtering Approach. IEEE Transactions on Industrial Electronics, 2022, 69, 5175-5184.	7.9	24
49	Analysis and synthesis of randomly switched systems with known sojourn probabilities. Information Sciences, 2014, 277, 481-491.	6.9	22
50	Event-Triggered State Estimation for $T\text{-}S$ Fuzzy Neural Networks with Stochastic Cyber-Attacks. International Journal of Fuzzy Systems, 2019, 21, 532-544.	4.0	22
51	Decentralized fuzzy H_∞ filtering for networked interconnected systems under communication constraints. Neurocomputing, 2016, 185, 28-36.	5.9	21
52	Finite-horizon tracking control for a class of stochastic systems subject to input constraints and hybrid cyber attacks. ISA Transactions, 2020, 104, 93-100.	5.7	20
53	Secure Estimation Against Malicious Attacks for Lithium-Ion Batteries Under Cloud Environments. IEEE Transactions on Circuits and Systems I: Regular Papers, 2022, 69, 4237-4247.	5.4	20
54	Event-triggered reliable H_∞ filter design for networked systems with multiple sensor distortions: A probabilistic partition approach. ISA Transactions, 2017, 66, 2-9.	5.7	19

#	ARTICLE	IF	CITATIONS
55	Event-based switching control for networked switched systems under nonperiodic DoS jamming attacks. <i>IET Control Theory and Applications</i> , 2020, 14, 3097-3106.	2.1	18
56	Novel criteria on H ∞ filter design of linear networked control systems. <i>IET Signal Processing</i> , 2013, 7, 1-13.	1.5	16
57	Probability-constrained tracking control for a class of time-varying nonlinear stochastic systems. <i>Journal of the Franklin Institute</i> , 2018, 355, 2689-2702.	3.4	14
58	Multi-sensors-based security control for T-S fuzzy systems over resource-constrained networks. <i>Journal of the Franklin Institute</i> , 2020, 357, 4286-4315.	3.4	12
59	Event-Based Pinning Synchronization Control for Time-Delayed Complex Dynamical Networks: The Finite-Time Boundedness. <i>IEEE Transactions on Signal and Information Processing Over Networks</i> , 2021, 7, 730-739.	2.8	12
60	Protocol-based H_{∞} filtering for piecewise linear systems: A measurement-dependent equivalent reduction approach. <i>International Journal of Robust and Nonlinear Control</i> , 2021, 31, 3163-3178.	3.7	11
61	Probabilistic-Constrained H_{∞} Tracking Control for a Class of Stochastic Nonlinear Systems Subject to DoS Attacks and Measurement Outliers. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 4381-4392.	5.4	11
62	Robust H_{∞} control for uncertain discrete-time systems with probabilistic state delays. <i>Asian Journal of Control</i> , 2009, 11, 503-516.	3.0	10
63	Fault tolerant control for discrete networked control systems with random faults. <i>International Journal of Control, Automation and Systems</i> , 2012, 10, 444-448.	2.7	10
64	Robust control for uncertain networked systems with communication constraints. <i>Journal of the Franklin Institute</i> , 2013, 350, 1926-1943.	3.4	10
65	Event-based fuzzy resilient control of nonlinear DC Microgrids under denial-of-service attacks. <i>ISA Transactions</i> , 2022, 127, 206-215.	5.7	8
66	Robust H_{∞} Control for ICPT Process With Coil Misalignment and Time Delay: A Sojourn-Probability-Based Switching Case. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 5156-5167.	5.4	6
67	Probabilistic-constrained tracking control for stochastic time-varying systems under deception attacks: A Round-Robin protocol. <i>Journal of the Franklin Institute</i> , 2021, 358, 9135-9157.	3.4	6
68	Probabilistic-constrained reliable H_{∞} tracking control for a class of stochastic nonlinear systems: An outlier-resistant event-triggered scheme. <i>Journal of the Franklin Institute</i> , 2021, 358, 4741-4760.	3.4	5
69	Stochastic Data-Based Denial-of-Service Attack Strategy Design Against Remote State Estimation in Interval Type-2 T ∞ S Fuzzy Systems. <i>IEEE Transactions on Fuzzy Systems</i> , 2023, 31, 825-834.	9.8	5
70	Dwell-time-based energy scheduling and distributed control for large-scale nonlinear systems under Round-Robin protocol. <i>Nonlinear Dynamics</i> , 2020, 102, 1643-1656.	5.2	4
71	Distributed recursive filtering under random access protocols: A multirate strategy. <i>International Journal of Robust and Nonlinear Control</i> , 2022, 32, 7132-7148.	3.7	4
72	Robust finite-time H_{∞} control for switched systems by using sojourn-probability-dependent method. <i>IET Signal Processing</i> , 2016, 10, 833-840.	1.5	3

#	ARTICLE	IF	CITATIONS
73	Fault-distribution-dependent reliable control for time-varying delay system. Journal of Control Theory and Applications, 2011, 9, 589-593.	0.8	2
74	Sojourn-probability-dependent H_∞ control for networked switched systems under asynchronous switching. International Journal of Systems Science, 2017, 48, 357-366.	5.5	2
75	A CNN Model for Herb Identification Based on Part Priority Attention Mechanism. , 2020, , .		2
76	Probability-constrained Filtering for Linear System with Successive Packet Dropouts and Multiplicative Noises. , 2018, , .		0
77	Reliable H_∞ filtering for the SP resonant ICPT system with stochastic multiple sensor faults. Nonlinear Analysis: Hybrid Systems, 2021, 42, 101082.	3.5	0
78	Composite hierarchical anti-disturbance control for discrete-time singular Markov jump systems under double-layer switching scheme. International Journal of Robust and Nonlinear Control, 0, , .	3.7	0