

Engang Tian

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

70 papers	3,318 citations	29 h-index	57 g-index
78 ext. papers	4,378 ext. citations	4.5 avg, IF	6.31 L-index

#	Paper	IF	Citations
70	Chance-Constrained State Estimation for Recursive Neural Networks Under Deception Attacks and Energy Constraints: The Finite-Horizon Case.. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022 , PP,	10.3	12
69	An adaptive torus-event-based controller design for networked T-S fuzzy systems under deception attacks. <i>International Journal of Robust and Nonlinear Control</i> , 2022 , 32, 3425-3441	3.6	8
68	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	4
67	Dynamic Event-Triggered Output Feedback Control for Networked Systems Subject to Multiple Cyber Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	6
66	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	4	0
65	Adaptive memory-event-triggered H _∞ control for network-based T-S fuzzy systems with asynchronous premise constraints. <i>IET Control Theory and Applications</i> , 2021 , 15, 534-544	2.5	36
64	Co-Design of Dynamic Event-Triggered Communication Scheme and Resilient Observer-Based Control Under Aperiodic DoS Attacks. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 4591-4601	10.2	21
63	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	3.6	7
62	An event-triggered approach to security control for networked systems using hybrid attack model. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 5796-5812	3.6	9
61	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	4	1
60	. <i>IEEE Transactions on Industrial Informatics</i> , 2021 , 17, 82-89	11.9	29
59	Hybrid-triggered-based security controller design for networked control system under multiple cyber attacks. <i>Information Sciences</i> , 2021 , 548, 69-84	7.7	27
58	Finite-Time and Fixed-Time Bipartite Consensus Tracking of Multi-Agent Systems With Weighted Antagonistic Interactions. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 426-433	3.9	13
57	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 , 1-12	3.9	1
56	State of Charge Estimation of Lithium-ion Batteries Subject to Random Sensor Data Unavailability: A Recursive Filtering Approach. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	4
55	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	3.9	2
54	Reliable H _∞ Filtering for the SP resonant ICPT system with stochastic multiple sensor faults. <i>Nonlinear Analysis: Hybrid Systems</i> , 2021 , 42, 101082	4.5	

53	Stochastic Event-Triggered H _∞ Control for Networked Systems Under Denial of Service Attacks. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-11	7.3	14
52	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	0
51	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	4	9
50	Memory-Based Event-Triggering H Load Frequency Control for Power Systems Under Deception Attacks. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4610-4618	10.2	134
49	Event-based switching control for networked switched systems under nonperiodic DoS jamming attacks. <i>IET Control Theory and Applications</i> , 2020 , 14, 3097-3106	2.5	4
48	Security distributed state estimation for nonlinear networked systems against DoS attacks. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1156-1180	3.6	40
47	Resilient control of networked control systems under deception attacks: A memory-event-triggered communication scheme. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 1534-1548	3.6	76
46	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 5369-5379	3.9	21
45	Finite-horizon tracking control for a class of stochastic systems subject to input constraints and hybrid cyber attacks. <i>ISA Transactions</i> , 2020 , 104, 93-100	5.5	14
44	Event-Based Security Control for State-Dependent Uncertain Systems Under Hybrid-Attacks and Its Application to Electronic Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 4817-4828	3.9	56
43	Chance-constrained H _∞ control for a class of time-varying systems with stochastic nonlinearities: The finite-horizon case. <i>Automatica</i> , 2019 , 107, 296-305	5.7	96
42	Input-output finite-time stability for networked control systems with memory event-triggered scheme. <i>Journal of the Franklin Institute</i> , 2019 , 356, 8507-8520	4	10
41	An improved memory-event-triggered control for networked control systems. <i>Journal of the Franklin Institute</i> , 2019 , 356, 7210-7223	4	26
40	Probabilistic-constrained filtering for a class of nonlinear systems with improved static event-triggered communication. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 1484-1498	3.6	110
39	Event-Triggered State Estimation for TS Fuzzy Neural Networks with Stochastic Cyber-Attacks. <i>International Journal of Fuzzy Systems</i> , 2019 , 21, 532-544	3.6	8
38	Distributed event-triggered control for networked control systems with stochastic cyber-attacks. <i>Journal of the Franklin Institute</i> , 2019 , 356, 10260-10276	4	59
37	Quantized state estimation for neural networks with cyber attacks and hybrid triggered communication scheme. <i>Neurocomputing</i> , 2018 , 291, 35-49	5.4	20
36	Decentralized event-triggered H _∞ control for neural networks subject to cyber-attacks. <i>Information Sciences</i> , 2018 , 457-458, 141-155	7.7	62

35	Probability-constrained tracking control for a class of time-varying nonlinear stochastic systems. <i>Journal of the Franklin Institute</i> , 2018 , 355, 2689-2702	4	10
34	Resilient observer-based control for networked nonlinear TS fuzzy systems with hybrid-triggered scheme. <i>Nonlinear Dynamics</i> , 2018 , 91, 2049-2061	5	48
33	Hybrid-driven-based H ∞ filter design for neural networks subject to deception attacks. <i>Applied Mathematics and Computation</i> , 2018 , 320, 158-174	2.7	58
32	Event-triggered non-fragile state estimation for delayed neural networks with randomly occurring sensor nonlinearity. <i>Neurocomputing</i> , 2018 , 273, 1-8	5.4	20
31	On designing of an adaptive event-triggered communication scheme for nonlinear networked interconnected control systems. <i>Information Sciences</i> , 2018 , 422, 257-270	7.7	74
30	. <i>IEEE Transactions on Fuzzy Systems</i> , 2018 , 26, 3820-3834	8.3	127
29	Decentralized event-triggering communication scheme for large-scale systems under network environments. <i>Information Sciences</i> , 2017 , 380, 132-144	7.7	38
28	Sojourn-probability-dependent H ∞ control for networked switched systems under asynchronous switching. <i>International Journal of Systems Science</i> , 2017 , 48, 357-366	2.3	2
27	Reliable control for hybrid-driven TS fuzzy systems with actuator faults and probabilistic nonlinear perturbations. <i>Journal of the Franklin Institute</i> , 2017 , 354, 3267-3288	4	26
26	Adaptive event-triggered control of a class of nonlinear networked systems. <i>Journal of the Franklin Institute</i> , 2017 , 354, 3854-3871	4	64
25	H ∞ filtering for networked systems with hybrid-triggered communication mechanism and stochastic cyber attacks. <i>Journal of the Franklin Institute</i> , 2017 , 354, 8490-8512	4	28
24	Event-triggered reliable H filter design for networked systems with multiple sensor distortions: A probabilistic partition approach. <i>ISA Transactions</i> , 2017 , 66, 2-9	5.5	18
23	Robust finite-time H ∞ control for switched systems by using sojourn-probability-dependent method. <i>IET Signal Processing</i> , 2016 , 10, 833-840	1.7	3
22	Decentralized fuzzy H ∞ filtering for networked interconnected systems under communication constraints. <i>Neurocomputing</i> , 2016 , 185, 28-36	5.4	11
21	H_{∞} Filtering for Discrete-Time Switched Systems With Known Sojourn Probabilities. <i>IEEE Transactions on Automatic Control</i> , 2015 , 60, 2446-2451	5.9	60
20	Co-design of event generator and filtering for a class of TS fuzzy systems with stochastic sensor faults. <i>Fuzzy Sets and Systems</i> , 2015 , 273, 124-140	3.7	47
19	Decentralized control of network-based interconnected systems: A state-dependent triggering method. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1126-1144	3.6	47
18	Robust . <i>Information Sciences</i> , 2014 , 283, 22-35	7.7	31

17	Analysis and synthesis of randomly switched systems with known sojourn probabilities. <i>Information Sciences</i> , 2014 , 277, 481-491	7.7	16
16	Reliable H _∞ filter design for TB fuzzy model-based networked control systems with random sensor failure. <i>International Journal of Robust and Nonlinear Control</i> , 2013 , 23, 15-32	3.6	84
15	A Delay System Method for Designing Event-Triggered Controllers of Networked Control Systems. <i>IEEE Transactions on Automatic Control</i> , 2013 , 58, 475-481	5.9	95 ¹
14	Robust H _∞ control for uncertain networked systems with communication constraints. <i>Journal of the Franklin Institute</i> , 2013 , 350, 1926-1943	4	8
13	Robust control for Markovian jump systems with partially known transition probabilities and nonlinearities. <i>Journal of the Franklin Institute</i> , 2013 , 350, 2069-2083	4	35
12	Novel criteria on H _∞ filter design of linear networked control systems. <i>IET Signal Processing</i> , 2013 , 7, 1-13	1.7	12
11	Fault tolerant control for discrete networked control systems with random faults. <i>International Journal of Control, Automation and Systems</i> , 2012 , 10, 444-448	2.9	5
10	. <i>IEEE Transactions on Fuzzy Systems</i> , 2011 , 19, 553-561	8.3	84
9	Fault-distribution-dependent reliable control for time-varying delay system. <i>Journal of Control Theory and Applications</i> , 2011 , 9, 589-593		2
8	On improved delay-dependent robust H _∞ control for systems with interval time-varying delay. <i>Journal of the Franklin Institute</i> , 2011 , 348, 555-567	4	28
7	Reliable control for networked control systems with probabilistic actuator fault and random delays. <i>Journal of the Franklin Institute</i> , 2010 , 347, 1907-1926	4	7 ¹
6	Robust control for nonlinear systems over network: A piecewise analysis method. <i>Fuzzy Sets and Systems</i> , 2010 , 161, 2731-2745	3.7	49
5	A delay distribution based stability analysis and synthesis approach for networked control systems. <i>Journal of the Franklin Institute</i> , 2009 , 346, 349-365	4	8 ¹
4	Delay-distribution-dependent robust stability of uncertain systems with time-varying delay. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 377-393	3.6	10 ³
3	Delay-dependent robust H _∞ control for TB fuzzy system with interval time-varying delay. <i>Fuzzy Sets and Systems</i> , 2009 , 160, 1708-1719	3.7	12 ⁰
2	Robust H _∞ control for uncertain discrete-time systems with probabilistic state delays. <i>Asian Journal of Control</i> , 2009 , 11, 503-516	1.7	9
1	Probabilistic-constrained distributed fusion filtering for a class of time-varying systems over sensor networks: a torus-event-triggering mechanism. <i>International Journal of Systems Science</i> , 1-10	2.3	4