

Fei Hao

List of Publications by Year in descending order

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106
papers

1,754
citations

331259

21
h-index

329751

37
g-index

107
all docs

107
docs citations

107
times ranked

1251
citing authors

#	ARTICLE	IF	CITATIONS
1	Consensus of linear multi-agent systems via event-triggered control. International Journal of Control, 2014, 87, 1243-1251.	1.2	138
2	Leader-Following Consensus for Linear and Lipschitz Nonlinear Multiagent Systems With Quantized Communication. IEEE Transactions on Cybernetics, 2017, 47, 1970-1982.	6.2	128
3	Stabilization of Networked Control Systems with Data Packet Dropout and Transmission Delays: Continuous-Time Case. European Journal of Control, 2005, 11, 40-49.	1.6	118
4	Input-to-state stability of integral-based event-triggered control for linear plants. Automatica, 2017, 85, 248-255.	3.0	89
5	An LMI approach to networked control systems with data packet dropout and transmission delays. , 2004, , .		83
6	Prescribed-Time Event-Triggered Bipartite Consensus of Multiagent Systems. IEEE Transactions on Cybernetics, 2022, 52, 2589-2598.	6.2	61
7	Decentralized event-triggered control strategy in distributed networked systems with delays. International Journal of Control, Automation and Systems, 2013, 11, 33-40.	1.6	51
8	Event-Triggered Bipartite Consensus for Multiagent Systems: A Zeno-Free Analysis. IEEE Transactions on Automatic Control, 2020, 65, 4866-4873.	3.6	51
9	Periodic Event-Triggered Consensus With Quantization. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 406-410.	2.2	50
10	A Uniform Analysis on Input-to-State Stability of Decentralized Event-Triggered Control Systems. IEEE Transactions on Automatic Control, 2019, 64, 3423-3430.	3.6	42
11	Periodic event-triggered cooperative control of multiple non-holonomic wheeled mobile robots. IET Control Theory and Applications, 2017, 11, 890-899.	1.2	41
12	Dynamic output-feedback control for linear systems by using event-triggered quantisation. IET Control Theory and Applications, 2015, 9, 1254-1263.	1.2	40
13	Distributed event-triggered consensus for multi-agent systems with quantisation. International Journal of Control, 2015, 88, 1112-1122.	1.2	40
14	Robust stability analysis and control synthesis for discrete-time uncertain switched systems. , 0, , .		36
15	Novel criteria of synchronization stability in complex networks with coupling delays. Physica A: Statistical Mechanics and Its Applications, 2007, 378, 527-536.	1.2	33
16	Event-Triggered Consensus Control of Second-Order Multi-Agent Systems. Asian Journal of Control, 2015, 17, 592-603.	1.9	31
17	Periodic event-triggered state-feedback and output-feedback control for linear systems. International Journal of Control, Automation and Systems, 2015, 13, 779-787.	1.6	31
18	Universal framework for edge controllability of complex networks. Scientific Reports, 2017, 7, 4224.	1.6	28

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19	Event-triggered sliding mode control with adaptive neural networks for uncertain nonlinear systems. <i>Neurocomputing</i> , 2021, 436, 184-197.	3.5	27
20	Event-Triggered Control for Linear Descriptor Systems. <i>Circuits, Systems, and Signal Processing</i> , 2013, 32, 1065-1079.	1.2	25
21	Design of event conditions in event-triggered control systems: a non-fragile control system approach. <i>IET Control Theory and Applications</i> , 2016, 10, 1069-1077.	1.2	24
22	Event-triggered control for stochastic networked control systems against Denial-of-Service attacks. <i>Information Sciences</i> , 2020, 527, 51-69.	4.0	24
23	Event-triggered consensus of multi-agent systems under jointly connected topology. <i>IMA Journal of Mathematical Control and Information</i> , 2015, 32, 537-556.	1.1	22
24	Optimal Allocation of False Data Injection Attacks for Networked Control Systems With Two Communication Channels. <i>IEEE Transactions on Control of Network Systems</i> , 2021, 8, 2-14.	2.4	22
25	Output feedback control of networked control systems. , 0, , .		21
26	A Lyapunov-based small-gain approach on design of triggering conditions in event-triggered control systems. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 2938-2960.	2.1	21
27	Event-triggered Bipartite Consensus for Multi-agent Systems with Antagonistic Interactions. <i>International Journal of Control, Automation and Systems</i> , 2019, 17, 2046-2058.	1.6	20
28	Event-triggered model predictive control for disturbed linear systems under two-channel transmissions. <i>International Journal of Robust and Nonlinear Control</i> , 2020, 30, 6701-6719.	2.1	20
29	Event-triggered sliding mode control for time-delay uncertain systems. <i>Asian Journal of Control</i> , 2021, 23, 1407-1418.	1.9	20
30	Asynchronous decentralised event-triggered control of multi-agent systems. <i>International Journal of Control</i> , 0, , 1-10.	1.2	18
31	Optimal SINR-Based DoS Attack Scheduling for Remote State Estimation via Adaptive Dynamic Programming Approach. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021, 51, 7622-7632.	5.9	17
32	Persistent bounded disturbance rejection for impulsive systems. <i>IEEE Transactions on Circuits and Systems Part 1: Regular Papers</i> , 2003, 50, 785-788.	0.1	16
33	Model-based event-triggered control for linear plant with threshold variable and model states. <i>International Journal of Robust and Nonlinear Control</i> , 2017, 27, 135-155.	2.1	15
34	Absolute stability of uncertain discrete Lur'e systems and maximum admissible perturbed bounds. <i>Journal of the Franklin Institute</i> , 2010, 347, 1511-1525.	1.9	14
35	Optimizing controllability of edge dynamics in complex networks by perturbing network structure. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 470, 217-227.	1.2	14
36	Stability of model-based event-triggered control systems: a separation property. <i>International Journal of Systems Science</i> , 2017, 48, 1035-1047.	3.7	14

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37	Output-Based Periodic Event-Triggered Control for Nonlinear Plants: An Approximate-Model Method. IEEE Transactions on Control of Network Systems, 2020, 7, 1342-1354.	2.4	14
38	Robustness of controlling edge dynamics in complex networks against node failure. Physical Review E, 2016, 94, 052310.	0.8	13
39	Periodic event-triggered state-feedback control for discrete-time linear systems. Journal of the Franklin Institute, 2016, 353, 1809-1828.	1.9	13
40	On event-triggered control for integral input-to-state stable systems. Systems and Control Letters, 2019, 123, 24-32.	1.3	13
41	Decentralized Integral-Based Event-Triggered Stabilization for Linear Plant with Actuator Saturation and Output Feedback. Applied Sciences (Switzerland), 2017, 7, 11.	1.3	12
42	Finite-gain problem for networked control systems with delays via event-triggered control. International Journal of Robust and Nonlinear Control, 2018, 28, 1547-1565.	2.1	12
43	The existence of Zeno behavior and its application to finite-time event-triggered control. Science China Information Sciences, 2020, 63, 1.	2.7	12
44	A novel distributed event-triggered control with time-varying thresholds. Journal of the Franklin Institute, 2020, 357, 4132-4153.	1.9	11
45	Target control of edge dynamics in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 512, 14-26.	1.2	10
46	Controllability limit of edge dynamics in complex networks. Physical Review E, 2019, 100, 022318.	0.8	10
47	An LMI approach to persistent bounded disturbance rejection for uncertain impulsive systems. , 0, , .		9
48	Stability of networked control system subject to denial-of-service. Science China Information Sciences, 2021, 64, 1.	2.7	9
49	Absolute stability of Lurie networked control systems. International Journal of Robust and Nonlinear Control, 2010, 20, 1326-1337.	2.1	8
50	Controllable subspace of edge dynamics in complex networks. Physica A: Statistical Mechanics and Its Applications, 2017, 481, 209-223.	1.2	8
51	Lyapunov-based event-triggered control for nonlinear plants subject to disturbances and transmission delays. Science China Information Sciences, 2020, 63, 1.	2.7	8
52	Observer-based Event-triggered Bipartite Consensus of Linear Multi-agent Systems. International Journal of Control, Automation and Systems, 2021, 19, 1291-1301.	1.6	8
53	Observer-based disturbance rejection for linear systems by aperiodical sampling control. IET Control Theory and Applications, 2017, 11, 1561-1570.	1.2	7
54	Security control for linear systems subject to denial-of-service attacks. , 2017, , .		7

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55	Optimal DoS attack scheduling for multi-sensor remote state estimation over interference channels. Journal of the Franklin Institute, 2021, 358, 5136-5162.	1.9	7
56	Event-based adaptive sliding mode control for Euler-Lagrange systems with parameter uncertainties and external disturbances. International Journal of Robust and Nonlinear Control, 2022, 32, 5420-5435.	2.1	7
57	An LMI approach to persistent bounded disturbance rejection for a class of nonlinear impulsive systems. Nonlinear Analysis: Hybrid Systems, 2007, 1, 297-305.	2.1	6
58	Exponential Stability for Continue-Time Switched Positive Delay Systems With All Unstable Subsystems. IEEE Access, 2019, 7, 165428-165436.	2.6	6
59	Event-triggered control of singularly perturbed linear system with DoS attacks. IET Control Theory and Applications, 2021, 15, 1028-1041.	1.2	6
60	New conditions on absolute stability of uncertain Lur'e systems and the maximum admissible perturbed bound. IMA Journal of Mathematical Control and Information, 2006, 24, 425-433.	1.1	5
61	Adaptive model-based event-triggered control for linear systems. , 2015, , .		5
62	Game Theoretical Approach to Sequential Hypothesis Test with Byzantine Sensors. , 2019, , .		5
63	Input-to-state practical stabilisation via periodic event-triggered control without Zeno-like behaviour. International Journal of Control, 2021, 94, 2440-2452.	1.2	5
64	Actuator saturation control of continuous-time positive switched T-S fuzzy systems. Journal of the Franklin Institute, 2021, 358, 8862-8885.	1.9	5
65	Observer-based event-triggered control of linear system with two-time scales. ISA Transactions, 2022, 129, 324-335.	3.1	5
66	Event-triggered dual-mode predictive control for constrained nonlinear systems with continuous/intermittent detection. Nonlinear Analysis: Hybrid Systems, 2022, 44, 101149.	2.1	5
67	Adaptive synchronization of asymmetric coupled networks with multiple coupling delays. International Journal of General Systems, 2012, 41, 409-431.	1.2	4
68	Event-triggered control strategy for multi-agent systems with time-varying delays. , 2013, , .		4
69	Function observer based event-triggered control for linear systems with guaranteed L-gain. IEEE/CAA Journal of Automatica Sinica, 2015, 2, 394-402.	8.5	4
70	Effect of interaction strength on robustness of controlling edge dynamics in complex networks. Physica A: Statistical Mechanics and Its Applications, 2018, 497, 246-257.	1.2	4
71	Setpoint output tracking problem for linear plants via periodic event-triggered control. IET Control Theory and Applications, 2020, 14, 982-990.	1.2	4
72	Exponential stability of discrete-time positive switched T-S fuzzy systems with all unstable subsystems. Science China Information Sciences, 2021, 64, 1.	2.7	4

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73	Switching event-triggering mechanisms for integral input-to-state stable nonlinear systems. International Journal of Robust and Nonlinear Control, 2021, 31, 4839-4855.	2.1	4
74	Robust Stability and Performance of Uncertain Lurie Systems with State Delays. Circuits, Systems, and Signal Processing, 2004, 23, 299.	1.2	3
75	Full-order Observer Design for Descriptor Systems with Delayed State and Unknown Inputs. , 2006, , .		3
76	Model-based dual-stage event-triggered control of linear system with two time scales. International Journal of Systems Science, 2020, 51, 424-439.	3.7	3
77	Controller synthesis for discrete-time positive switched T&S fuzzy systems with partially controllable subsystems. Asian Journal of Control, 2022, 24, 1622-1637.	1.9	3
78	On event-triggered H&inf tracking control of certain and uncertain linear systems. , 2014, , .		2
79	Event-triggered based energy-to-peak disturbance rejection for linear systems. , 2014, , .		2
80	Integral-based event-triggered control for linear systems with transmission delays. , 2016, , .		2
81	Model-based event-triggered disturbance rejection with integral-based event conditions. , 2016, , .		2
82	Distributed Sequential Hypothesis Testing With Byzantine Sensors. IEEE Transactions on Signal Processing, 2021, 69, 3044-3058.	3.2	2
83	Absolute Stability for a Class of Observer-based Nonlinear Networked Control Systems. Zidonghua Xuebao/Acta Automatica Sinica, 2009, 35, 933-944.	0.3	2
84	Persistent bounded disturbance rejection for impulsive systems with polytopic uncertainties. , 2003, , .		1
85	A New Criterion on Exponential Stability of a Class of Discrete Cellular Neural Networks with Time Delay. Lecture Notes in Computer Science, 2005, , 769-772.	1.0	1
86	Robust regional stabilization for the two-dimensional mixed continuous-discrete-time Roesser models. IMA Journal of Mathematical Control and Information, 2020, 37, 855-876.	1.1	1
87	Optimal SINR-based DoS Attacks against Remote State Estimation. , 2021, , .		1
88	A new robust delay-dependent stability criterion for a class of uncertain systems with delay. , 2004, , .		1
89	Event-triggered stability of singularly perturbed system with time delay. , 2020, , .		1
90	Some results on L_1 -performance for nonlinear systems. , 0, , .		0

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91	ESPR analysis and synthesis of discrete-time systems with polytopic uncertainty. , 0, , .		0
92	Robust peak gain problem for uncertain systems via LMI approach. , 0, , .		0
93	Model-based event-triggered tracking control of linear systems. , 2016, , .		0
94	Stabilization of nonlinear event-triggered control systems with time-varying triggering conditions. , 2017, , .		0
95	Practical stability of integral-based event-triggered control systems. , 2017, , .		0
96	Integral-based event-triggered control systems with uniform quantization. , 2018, , .		0
97	Event-triggered control for a class of singularly perturbed system using the averaging method. , 2018, , .		0
98	Event-triggered stabilization of linear plants subject to periodic Denial-of-Service attacks and disturbances. , 2019, , .		0
99	State estimation under stochastic event-triggering conditions with quantized-level energy-harvesting sensors. , 2019, , .		0
100	Security Analysis of Cyber-Physical System under False Data Injection Attacks. , 2021, , .		0
101	Event-triggered sliding mode control for first-order nonlinear multi-agent system. , 2021, , .		0
102	Analysis of persistent bounded disturbance rejection for Lurie systems of the neutral type. , 2004, , .		0
103	Two-channel event-triggered model predictive control for discrete linear systems. , 2020, , .		0
104	Stabilization of Linear Systems by a Novel Event-Triggered Control with Time-Varying Threshold. Lecture Notes in Electrical Engineering, 2021, , 621-629.	0.3	0
105	Integral-based Event-triggered Model Predictive Control for Perturbed Nonlinear Systems under Two-channel Transmissions. , 2021, , .		0
106	Fully distributed observer-based tracking control for Lurê™e systems with event-triggered communication. Journal of the Franklin Institute, 2022, 359, 4556-4586.	1.9	0