

Jian Sun

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.

105
papers

2,199
citations

22
h-index

44
g-index

120
ext. papers

2,942
ext. citations

4.4
avg, IF

6.06
L-index

#	Paper	IF	Citations
105	Stealthy FDI Attacks against Networked Control Systems Using Two Filters with an Arbitrary Gain. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2022 , 1-1	3.5	2
104	Distributed Optimization Approach for Solving Continuous-Time Lyapunov Equations With Exponential Rate of Convergence. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2022 , 52, 1684-1691	7.3	1
103	Deep reinforcement learning for optimal denial-of-service attacks scheduling. <i>Science China Information Sciences</i> , 2022 , 65, 1	3.4	3
102	. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-10	7.3	1
101	Finite-time integral input-to-state stability for switched nonlinear time-delay systems with asynchronous switching. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 3929-3954	3.6	0
100	Improved results on stability analysis of sampled-data systems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 6549-6561	3.6	3
99	Adaptive event-triggered consensus control of linear multi-agent systems with cyber attacks. <i>Neurocomputing</i> , 2021 , 442, 1-9	5.4	9
98	Input-Output Finite-Time Reliable Static Output Control of Time-Varying System With Input Delay. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 1334-1344	7.3	2
97	Output Consensus for Heterogeneous Linear Multiagent Systems With a Predictive Event-Triggered Mechanism. <i>IEEE Transactions on Cybernetics</i> , 2021 , 51, 1993-2005	10.2	8
96	Stability Analysis of Event-Triggered Networked Control Systems with Time-Varying Delay and Packet Loss. <i>Journal of Systems Science and Complexity</i> , 2021 , 34, 265-280	1	5
95	Detection of stealthy false data injection attacks against networked control systems via active data modification. <i>Information Sciences</i> , 2021 , 546, 192-205	7.7	34
94	Distance- and Velocity-Based Collision Avoidance for Time-Varying Formation Control of Second-Order Multi-Agent Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 1253-1257	3.5	14
93	Analysis and synthesis of networked control systems with random network-induced delays and sampling intervals. <i>Automatica</i> , 2021 , 125, 109385	5.7	9
92	Quantized Control of Networked Control Systems Under Stochastic Clock Offsets. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 51, 3004-3013	7.3	2
91	Performance degradation of stealthy attacks against sensor measurements in vector systems. <i>Journal of the Franklin Institute</i> , 2021 , 358, 237-250	4	2
90	Event-Triggered ADP for Nonzero-Sum Games of Unknown Nonlinear Systems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	5
89	Learning Two-Layer ReLU Networks Is Nearly as Easy as Learning Linear Classifiers on Separable Data. <i>IEEE Transactions on Signal Processing</i> , 2021 , 69, 4416-4427	4.8	2

88	Mean Square Exponential Stability Analysis for It Stochastic Systems with Aperiodic Sampling and Multiple Time-delays. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	6
87	Resilient Control under Quantization and Denial-of-Service: Co-designing a Deadbeat Controller and Transmission Protocol. <i>IEEE Transactions on Automatic Control</i> , 2021 , 1-1	5.9	2
86	A Mixed Switching Event-Triggered Transmission Scheme for Networked Control Systems. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 1-1	4	2
85	Online Reinforcement Learning Control by Direct Heuristic Dynamic Programming: From Time-Driven to Event-Driven. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021 , PP,	10.3	2
84	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 1-11	3.9	30
83	Fully Distributed Adaptive Event-Triggered Control of Networked Systems With Actuator Bias Faults. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	4
82	Quantized Impulsive Control of Linear Systems under Bounded disturbances and DoS Attacks. <i>IEEE Transactions on Control of Network Systems</i> , 2021 , 1-1	4	3
81	Stability Analysis of Switched Nonlinear Systems With Multiple Time-Varying Delays. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2021 , 1-10	7.3	2
80	Distributed hybrid impulsive algorithm with supervisory resetting for nonlinear optimization problems. <i>International Journal of Robust and Nonlinear Control</i> , 2021 , 31, 3230-3247	3.6	1
79	Network topology identification under the multi-agent agreement protocol. <i>Journal of the Franklin Institute</i> , 2021 , 358, 6759-6774	4	0
78	Almost equitable partitions and controllability of leader-follower multi-agent systems. <i>Automatica</i> , 2021 , 131, 109740	5.7	2
77	An Output-Coding-Based Detection Scheme Against Replay Attacks in Cyber-Physical Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2021 , 68, 3306-3310	3.5	6
76	Aperiodic sampled-data controller design for switched It Stochastic Markovian jump systems. <i>Systems and Control Letters</i> , 2021 , 157, 105031	2.4	4
75	Security-Based Passivity Analysis of Markov Jump Systems via Asynchronous Triggering Control. <i>IEEE Transactions on Cybernetics</i> , 2021 , PP,	10.2	4
74	Input-to-state stability of impulsive switched nonlinear time-delay systems with two asynchronous switching phenomena. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 4463-4484	3.6	8
73	Adaptive Fuzzy Full-State and Output-Feedback Control for Uncertain Robots With Output Constraint. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-14	7.3	65
72	Event-based networked predictive control for networked control systems subject to two-channel delays. <i>Information Sciences</i> , 2020 , 524, 136-147	7.7	13
71	Optimal Partial Feedback Attacks in Cyber-Physical Power Systems. <i>IEEE Transactions on Automatic Control</i> , 2020 , 65, 3919-3926	5.9	18

70	Linear Quadratic Regulator of Discrete-Time Switched Linear Systems. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 3113-3117	3.5	
69	Global output feedback control for nonlinear cascade systems with unknown output functions and unknown control directions. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 2493-2514	3.6	7
68	Finite-time stability of switched nonlinear time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2020 , 30, 2906-2919	3.6	14
67	Distributed Model-Based Event-Triggered Leader-Follower Consensus Control for Linear Continuous-Time Multiagent Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 1-9	7.3	10
66	Stability of linear systems with sawtooth input delay and predictor-based controller. <i>Automatica</i> , 2020 , 117, 108949	5.7	3
65	Deep Policy Gradient for Reactive Power Control in Distribution Systems 2020 ,		2
64	Input-Output Finite-Time Generalized Dissipative Filter of Discrete Time-Varying Systems With Quantization and Adaptive Event-Triggered Mechanism. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 5061-5073	10.2	15
63	. <i>IEEE Transactions on Smart Grid</i> , 2020 , 11, 2313-2323	10.7	67
62	LQG control for sampled-data systems under stochastic sampling. <i>Journal of the Franklin Institute</i> , 2020 , 357, 2773-2790	4	3
61	Dynamic Event-Triggered Control for Nonlinear Systems: A Small-Gain Approach. <i>Journal of Systems Science and Complexity</i> , 2020 , 33, 930-943	1	14
60	Distributed Solver for Discrete-Time Lyapunov Equations Over Dynamic Networks With Linear Convergence Rate. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	2
59	Stabilization of Perturbed Continuous-Time Systems Using Event-Triggered Model Predictive Control. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	3
58	Event-Triggered Adaptive Tracking Control for Multiagent Systems With Unknown Disturbances. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 890-901	10.2	157
57	Delay-dependent conditions for finite time stability of linear time-varying systems with delay. <i>Asian Journal of Control</i> , 2020 , 22, 924-933	1.7	2
56	Passivity-Based Robust Sampled-Data Control for Markovian Jump Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020 , 50, 2671-2684	7.3	22
55	Observer-based finite time H _∞ control of nonlinear discrete time-varying systems with an adaptive event-triggered Mechanism. <i>Journal of the Franklin Institute</i> , 2020 , 357, 11668-11689	4	5
54	Stability Analysis of Aperiodic Sampled-Data Systems: A Switched Polytopic System Method. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2020 , 67, 1054-1058	3.5	11
53	Estimation of Domain of Attraction for Aperiodic Sampled-Data Switched Delayed Neural Networks Subject to Actuator Saturation. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 1489-1503	10.3	15

52	Event-based model predictive control of discrete-time non-linear systems with external disturbances. <i>IET Control Theory and Applications</i> , 2019 , 13, 27-35	2.5	6
51	Quantized feedback control for nonlinear feedforward systems with unknown output functions and unknown control coefficients. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 4002	3.6	3
50	Stability analysis of switched nonlinear delay systems with sampled-data inputs. <i>International Journal of Robust and Nonlinear Control</i> , 2019 , 29, 4700-4715	3.6	16
49	Cooperative adaptive finite-time control for stochastic multi-agent systems with input quantisation. <i>IET Control Theory and Applications</i> , 2019 , 13, 746-754	2.5	9
48	Distribution system state estimation: an overview of recent developments. <i>Frontiers of Information Technology and Electronic Engineering</i> , 2019 , 20, 4-17	2.2	36
47	Two-Timescale Voltage Regulation in Distribution Grids Using Deep Reinforcement Learning 2019 ,		2
46	Optimal Switching Attacks and Countermeasures in Cyber-Physical Systems. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 1-11	7.3	6
45	Cooperative Adaptive Event-Triggered Control for Multiagent Systems With Actuator Failures. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2019 , 49, 1759-1768	7.3	109
44	Finite time dissipativity-based reliable control for time-varying system with delay and linear fractional uncertainties. <i>International Journal of Systems Science</i> , 2019 , 50, 463-478	2.3	2
43	Input-to-State Stability of Perturbed Nonlinear Systems With Event-Triggered Receding Horizon Control Scheme. <i>IEEE Transactions on Industrial Electronics</i> , 2019 , 66, 6393-6403	8.9	13
42	Robust Power System State Estimation From Rank-One Measurements. <i>IEEE Transactions on Control of Network Systems</i> , 2019 , 6, 1391-1403	4	6
41	Optimal Switching Integrity Attacks on Sensors in Industrial Control Systems. <i>Journal of Systems Science and Complexity</i> , 2019 , 32, 1290-1305	1	5
40	Non-fragile finite-time dissipative piecewise control for time-varying system with time-varying delay. <i>IET Control Theory and Applications</i> , 2019 , 13, 321-332	2.5	5
39	Optimal Linear Quadratic Regulator of Switched Systems. <i>IEEE Transactions on Automatic Control</i> , 2019 , 64, 2898-2904	5.9	43
38	Event-triggered consensus for linear continuous-time multi-agent systems based on a predictor. <i>Information Sciences</i> , 2018 , 459, 278-289	7.7	25
37	Optimal Data Injection Attacks in Cyber-Physical Systems. <i>IEEE Transactions on Cybernetics</i> , 2018 , 48, 3302-3312	10.2	65
36	Stochastic optimal control for sampled-data system under stochastic sampling. <i>IET Control Theory and Applications</i> , 2018 , 12, 1553-1560	2.5	7
35	Distributed Topology Switching Strategy Designing for Heterogeneous Vehicle Platoons 2018 ,		1

34	Stabilization of Systems Under Stochastic Clock Offsets 2018 ,		1
33	Mean square exponential stabilization of sampled-data Markovian jump systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 5876-5894	3.6	27
32	Stability analysis of nonlinear switched systems with sampled-data inputs 2018 ,		2
31	Finite time control for discrete time-varying system with interval time-varying delay. <i>Journal of the Franklin Institute</i> , 2018 , 355, 5037-5057	4	9
30	Robust sampled-data control for stochastic Markovian jump systems with state delay. <i>International Journal of Robust and Nonlinear Control</i> , 2018 , 28, 4345	3.6	25
29	Leader-following consensus for discrete-time multi-agent systems with parameter uncertainties based on the event-triggered strategy. <i>Journal of Systems Science and Complexity</i> , 2017 , 30, 30-45	1	21
28	Power scheduling for Kalman filtering over lossy wireless sensor networks. <i>IET Control Theory and Applications</i> , 2017 , 11, 531-540	2.5	7
27	Stability Analysis of Networked Control Systems With Aperiodic Sampling and Time-Varying Delay. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2312-2320	10.2	38
26	Covert attacks against output tracking control of cyber-physical systems 2017 ,		4
25	Observer-based output feedback control of networked control systems with non-uniform sampling and time-varying delay. <i>International Journal of Systems Science</i> , 2017 , 48, 3118-3128	2.3	1
24	Smooth controller design for non-linear systems using multiple fixed models. <i>IET Control Theory and Applications</i> , 2017 , 11, 1467-1473	2.5	6
23	A survey on Lyapunov-based methods for stability of linear time-delay systems. <i>Frontiers of Computer Science</i> , 2017 , 11, 555-567	2.2	24
22	Event-Triggered Nonlinear Model Predictive Control with Bounded Disturbances and State-dependent Uncertainties. <i>IFAC-PapersOnLine</i> , 2017 , 50, 9308-9314	0.7	1
21	Dynamic output feedback control of networked control systems with aperiodic sampling and time-varying delays 2017 ,		1
20	A New Polytopic Approximation Method for Networked Systems With Time-Varying Delay. <i>IEEE Transactions on Circuits and Systems II: Express Briefs</i> , 2016 , 63, 843-847	3.5	5
19	A survey on the security of cyber-physical systems. <i>Control Theory and Technology</i> , 2016 , 14, 2-10	1	47
18	A necessary and sufficient stability criterion for networked predictive control systems. <i>Science China Technological Sciences</i> , 2016 , 59, 2-8	3.5	6
17	Consensus for networked multi-agent systems with unknown communication delays. <i>Journal of the Franklin Institute</i> , 2016 , 353, 4176-4190	4	18

16	Stability of an improved dynamic quantised system with time-varying delay and packet losses. <i>IET Control Theory and Applications</i> , 2015 , 9, 988-995	2.5	16
15	Less conservative stability criteria for linear systems with interval time-varying delays. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 475-485	3.6	20
14	Networked predictive control for systems with unknown or partially known delay. <i>IET Control Theory and Applications</i> , 2014 , 8, 2282-2288	2.5	14
13	An NN-based SRD decomposition algorithm and its application in nonlinear compensation. <i>Sensors</i> , 2014 , 14, 17353-75	3.8	1
12	Stability analysis of static recurrent neural networks with interval time-varying delay. <i>Applied Mathematics and Computation</i> , 2013 , 221, 111-120	2.7	62
11	Stochastic stability of extended filtering for non-linear systems with measurement packet losses. <i>IET Control Theory and Applications</i> , 2013 , 7, 2048-2055	2.5	25
10	A boundedness result for the direct heuristic dynamic programming. <i>Neural Networks</i> , 2012 , 32, 229-35	9.1	78
9	State feedback controller design and stability analysis of networked predictive control systems 2011 ,		1
8	New delay-dependent stability criteria for neural networks with time-varying interval delay. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2010 , 374, 4397-4405	2.3	31
7	Improved delay-range-dependent stability criteria for linear systems with time-varying delays. <i>Automatica</i> , 2010 , 46, 466-470	5.7	399
6	Delay-Dependent Robust H _∞ Filter Design for Uncertain Linear Systems with Time-Varying Delay. <i>Circuits, Systems, and Signal Processing</i> , 2009 , 28, 763-779	2.2	9
5	Delay-dependent stability and stabilization of neutral time-delay systems. <i>International Journal of Robust and Nonlinear Control</i> , 2009 , 19, 1364-1375	3.6	221
4	Improved stability criteria for neural networks with time-varying delay. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2009 , 373, 342-348	2.3	62
3	A new delay-dependent stability criterion for time-delay systems. <i>Asian Journal of Control</i> , 2009 , 11, 427-431	1.7	15
2	On Improved Delay-dependent Stability Criteria for Neutral Time-delay Systems. <i>European Journal of Control</i> , 2009 , 15, 613-623	2.5	7
1	Improved stability conditions for time-varying delay systems via relaxed Lyapunov functionals. <i>International Journal of Control</i> , 1-14	1.5	2