

Jian Sun

List of Publications by Year in descending order

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120
papers

3,738
citations

172207

29
h-index

138251

58
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120
all docs

120
docs citations

120
times ranked

2343
citing authors

#	ARTICLE	IF	CITATIONS
1	Improved delay-range-dependent stability criteria for linear systems with time-varying delays. Automatica, 2010, 46, 466-470.	3.0	517
2	Delay-dependent stability and stabilization of neutral time-delay systems. International Journal of Robust and Nonlinear Control, 2009, 19, 1364-1375.	2.1	274
3	Event-Triggered Adaptive Tracking Control for Multiagent Systems With Unknown Disturbances. IEEE Transactions on Cybernetics, 2020, 50, 890-901.	6.2	259
4	Two-Timescale Voltage Control in Distribution Grids Using Deep Reinforcement Learning. IEEE Transactions on Smart Grid, 2020, 11, 2313-2323.	6.2	144
5	Cooperative Adaptive Event-Triggered Control for Multiagent Systems With Actuator Failures. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2019, 49, 1759-1768.	5.9	141
6	Adaptive Fuzzy Full-State and Output-Feedback Control for Uncertain Robots With Output Constraint. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6994-7007.	5.9	140
7	Optimal Data Injection Attacks in Cyber-Physical Systems. IEEE Transactions on Cybernetics, 2018, 48, 3302-3312.	6.2	119
8	A boundedness result for the direct heuristic dynamic programming. Neural Networks, 2012, 32, 229-235.	3.3	105
9	Detection of stealthy false data injection attacks against networked control systems via active data modification. Information Sciences, 2021, 546, 192-205.	4.0	104
10	Dynamic Triggering Mechanisms for Distributed Adaptive Synchronization Control and Its Application to Circuit Systems. IEEE Transactions on Circuits and Systems I: Regular Papers, 2021, 68, 2246-2256.	3.5	85
11	Stability analysis of static recurrent neural networks with interval time-varying delay. Applied Mathematics and Computation, 2013, 221, 111-120.	1.4	78
12	A survey on the security of cyber-physical systems. Control Theory and Technology, 2016, 14, 2-10.	1.0	76
13	Improved stability criteria for neural networks with time-varying delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2009, 373, 342-348.	0.9	65
14	Optimal Linear Quadratic Regulator of Switched Systems. IEEE Transactions on Automatic Control, 2019, 64, 2898-2904.	3.6	61
15	Distribution system state estimation: an overview of recent developments. Frontiers of Information Technology and Electronic Engineering, 2019, 20, 4-17.	1.5	59
16	Stability Analysis of Networked Control Systems With Aperiodic Sampling and Time-Varying Delay. IEEE Transactions on Cybernetics, 2017, 47, 2312-2320.	6.2	52
17	Adaptive event-triggered consensus control of linear multi-agent systems with cyber attacks. Neurocomputing, 2021, 442, 1-9.	3.5	47
18	Optimal Partial Feedback Attacks in Cyber-Physical Power Systems. IEEE Transactions on Automatic Control, 2020, 65, 3919-3926.	3.6	41

#	ARTICLE	IF	CITATIONS
19	Mean Square Exponential Stability Analysis for It \tilde{A} Stochastic Systems With Aperiodic Sampling and Multiple Time-Delays. IEEE Transactions on Automatic Control, 2022, 67, 2473-2480.	3.6	41
20	Mean square exponential stabilization of sampled-data Markovian jump systems. International Journal of Robust and Nonlinear Control, 2018, 28, 5876-5894.	2.1	39
21	Passivity-Based Robust Sampled-Data Control for Markovian Jump Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 2671-2684.	5.9	39
22	New delay-dependent stability criteria for neural networks with time-varying interval delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 374, 4397-4405.	0.9	38
23	Event-based networked predictive control for networked control systems subject to two-channel delays. Information Sciences, 2020, 524, 136-147.	4.0	36
24	Robust sampled-data control for It \tilde{A} stochastic Markovian jump systems with state delay. International Journal of Robust and Nonlinear Control, 2018, 28, 4345-4366.	2.1	34
25	Input-to-State Stability of Perturbed Nonlinear Systems With Event-Triggered Receding Horizon Control Scheme. IEEE Transactions on Industrial Electronics, 2019, 66, 6393-6403.	5.2	34
26	Stochastic stability of extended filtering for non-linear systems with measurement packet losses. IET Control Theory and Applications, 2013, 7, 2048-2055.	1.2	33
27	A survey on Lyapunov-based methods for stability of linear time-delay systems. Frontiers of Computer Science, 2017, 11, 555-567.	1.6	33
28	Estimation of Domain of Attraction for Aperiodic Sampled-Data Switched Delayed Neural Networks Subject to Actuator Saturation. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1489-1503.	7.2	33
29	Leader-following consensus for discrete-time multi-agent systems with parameter uncertainties based on the event-triggered strategy. Journal of Systems Science and Complexity, 2017, 30, 30-45.	1.6	31
30	Analysis and synthesis of networked control systems with random network-induced delays and sampling intervals. Automatica, 2021, 125, 109385.	3.0	31
31	Event-triggered consensus for linear continuous-time multi-agent systems based on a predictor. Information Sciences, 2018, 459, 278-289.	4.0	30
32	Dynamic Event-Triggered Control for Nonlinear Systems: A Small-Gain Approach. Journal of Systems Science and Complexity, 2020, 33, 930-943.	1.6	30
33	An Output-Coding-Based Detection Scheme Against Replay Attacks in Cyber-Physical Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 3306-3310.	2.2	28
34	Finite-time stability of switched nonlinear time-delay systems. International Journal of Robust and Nonlinear Control, 2020, 30, 2906-2919.	2.1	27
35	Distributed Model-Based Event-Triggered Leader-Follower Consensus Control for Linear Continuous-Time Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 6457-6465.	5.9	27
36	Output Consensus for Heterogeneous Linear Multiagent Systems With a Predictive Event-Triggered Mechanism. IEEE Transactions on Cybernetics, 2021, 51, 1993-2005.	6.2	27

#	ARTICLE	IF	CITATIONS
37	Distance- and Velocity-Based Collision Avoidance for Time-Varying Formation Control of Second-Order Multi-Agent Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2021, 68, 1253-1257.	2.2	27
38	Event-Triggered ADP for Nonzero-Sum Games of Unknown Nonlinear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1905-1913.	7.2	26
39	Input-Output Finite-Time Generalized Dissipative Filter of Discrete Time-Varying Systems With Quantization and Adaptive Event-Triggered Mechanism. IEEE Transactions on Cybernetics, 2020, 50, 5061-5073.	6.2	25
40	Less conservative stability criteria for linear systems with interval time-varying delays. International Journal of Robust and Nonlinear Control, 2015, 25, 475-485.	2.1	23
41	Consensus for networked multi-agent systems with unknown communication delays. Journal of the Franklin Institute, 2016, 353, 4176-4190.	1.9	22
42	Stabilization of Perturbed Continuous-Time Systems Using Event-Triggered Model Predictive Control. IEEE Transactions on Cybernetics, 2022, 52, 4039-4051.	6.2	22
43	Stability analysis of switched nonlinear delay systems with sampled-data inputs. International Journal of Robust and Nonlinear Control, 2019, 29, 4700-4715.	2.1	21
44	Fully Distributed Adaptive Event-Triggered Control of Networked Systems With Actuator Bias Faults. IEEE Transactions on Cybernetics, 2022, 52, 10773-10784.	6.2	21
45	Optimal Switching Attacks and Countermeasures in Cyber-Physical Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 4825-4835.	5.9	20
46	Stability Analysis of Aperiodic Sampled-Data Systems: A Switched Polytopic System Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 1054-1058.	2.2	20
47	Stability of an improved dynamic quantised system with time-varying delay and packet losses. IET Control Theory and Applications, 2015, 9, 988-995.	1.2	19
48	Aperiodic sampled-data controller design for switched It \acute{A} stochastic Markovian jump systems. Systems and Control Letters, 2021, 157, 105031.	1.3	19
49	A new delay-dependent stability criterion for time-delay systems. Asian Journal of Control, 2009, 11, 427-431.	1.9	18
50	Networked predictive control for systems with unknown or partially known delay. IET Control Theory and Applications, 2014, 8, 2282-2288.	1.2	18
51	A Mixed Switching Event-Triggered Transmission Scheme for Networked Control Systems. IEEE Transactions on Control of Network Systems, 2022, 9, 390-402.	2.4	18
52	Input-to-state stability of impulsive switched nonlinear time-delay systems with two asynchronous switching phenomena. International Journal of Robust and Nonlinear Control, 2020, 30, 4463-4484.	2.1	17
53	Stability Analysis of Event-Triggered Networked Control Systems with Time-Varying Delay and Packet Loss. Journal of Systems Science and Complexity, 2021, 34, 265-280.	1.6	16
54	Global output feedback control for nonlinear cascade systems with unknown output functions and unknown control directions. International Journal of Robust and Nonlinear Control, 2020, 30, 2493-2514.	2.1	15

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55	Input-Output Finite-Time Reliable Static Output Control of Time-Varying System With Input Delay. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 1334-1344.	5.9	15
56	Improved results on stability analysis of sampled-data systems. International Journal of Robust and Nonlinear Control, 2021, 31, 6549-6561.	2.1	15
57	Security-Based Passivity Analysis of Markov Jump Systems via Asynchronous Triggering Control. IEEE Transactions on Cybernetics, 2023, 53, 151-160.	6.2	15
58	Stealthy false data injection attacks with resource constraints against multi-sensor estimation systems. ISA Transactions, 2022, 127, 32-40.	3.1	15
59	Stability of linear systems with sawtooth input delay and predictor-based controller. Automatica, 2020, 117, 108949.	3.0	14
60	Stability Analysis of Switched Nonlinear Systems With Multiple Time-Varying Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3947-3956.	5.9	14
61	Cooperative adaptive finite-time control for stochastic multi-agent systems with input quantisation. IET Control Theory and Applications, 2019, 13, 746-754.	1.2	13
62	Resilient Control Under Quantization and Denial-of-Service: Codesigning a Deadbeat Controller and Transmission Protocol. IEEE Transactions on Automatic Control, 2022, 67, 3879-3891.	3.6	13
63	Resilient Asynchronous State Estimation for Markovian Jump Neural Networks Subject to Stochastic Nonlinearities and Sensor Saturations. IEEE Transactions on Cybernetics, 2022, 52, 5809-5818.	6.2	13
64	H^∞ finite time control for discrete time-varying system with interval time-varying delay. Journal of the Franklin Institute, 2018, 355, 5037-5057.	1.9	11
65	Robust Power System State Estimation From Rank-One Measurements. IEEE Transactions on Control of Network Systems, 2019, 6, 1391-1403.	2.4	11
66	Event-based model predictive control of discrete-time nonlinear systems with external disturbances. IET Control Theory and Applications, 2019, 13, 27-35.	1.2	10
67	Observer-based finite time H^∞ control of nonlinear discrete time-varying systems with an adaptive event-triggered Mechanism. Journal of the Franklin Institute, 2020, 357, 11668-11689.	1.9	10
68	Stochastic optimal control for sampled-data system under stochastic sampling. IET Control Theory and Applications, 2018, 12, 1553-1560.	1.2	10
69	Delay-Dependent Robust H^∞ Filter Design for Uncertain Linear Systems with Time-Varying Delay. Circuits, Systems, and Signal Processing, 2009, 28, 763-779.	1.2	9
70	Power scheduling for Kalman filtering over lossy wireless sensor networks. IET Control Theory and Applications, 2017, 11, 531-540.	1.2	9
71	Optimal Switching Integrity Attacks on Sensors in Industrial Control Systems. Journal of Systems Science and Complexity, 2019, 32, 1290-1305.	1.6	9
72	Decentralized adaptive tracking control for nonlinear large-scale systems with unknown control directions. International Journal of Robust and Nonlinear Control, 2022, 32, 620-648.	2.1	9

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73	Event-Triggered Adaptive Bipartite Containment Control for Stochastic Multiagent Systems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 5843-5852.	5.9	9
74	On Improved Delay-dependent Stability Criteria for Neutral Time-delay Systems. European Journal of Control, 2009, 15, 613-623.	1.6	8
75	A New Polytopic Approximation Method for Networked Systems With Time-Varying Delay. IEEE Transactions on Circuits and Systems II: Express Briefs, 2016, 63, 843-847.	2.2	8
76	Delay-dependent conditions for finite time stability of linear time-varying systems with delay. Asian Journal of Control, 2020, 22, 924-933.	1.9	8
77	Deep reinforcement learning for optimal denial-of-service attacks scheduling. Science China Information Sciences, 2022, 65, 1.	2.7	8
78	Dynamic event-triggered strategies for tracking control of directed multi-agent systems with Lipschitz nonlinear dynamics. International Journal of Robust and Nonlinear Control, 2022, 32, 8147-8162.	2.1	8
79	A necessary and sufficient stability criterion for networked predictive control systems. Science China Technological Sciences, 2016, 59, 2-8.	2.0	7
80	Smooth controller design for nonlinear systems using multiple fixed models. IET Control Theory and Applications, 2017, 11, 1467-1473.	1.2	7
81	Analysis of security in cyber-physical systems. Science China Technological Sciences, 2017, 60, 1975-1977.	2.0	7
82	Quantized Control of Networked Control Systems Under Stochastic Clock Offsets. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3004-3013.	5.9	7
83	Learning Two-Layer ReLU Networks Is Nearly as Easy as Learning Linear Classifiers on Separable Data. IEEE Transactions on Signal Processing, 2021, 69, 4416-4427.	3.2	7
84	Quantized Impulsive Control of Linear Systems Under Bounded Disturbances and DoS Attacks. IEEE Transactions on Control of Network Systems, 2022, 9, 993-1005.	2.4	7
85	Finite-time integral input-to-state stability for switched nonlinear time-delay systems with asynchronous switching. International Journal of Robust and Nonlinear Control, 2021, 31, 3929-3954.	2.1	7
86	Almost equitable partitions and controllability of leader-follower multi-agent systems. Automatica, 2021, 131, 109740.	3.0	7
87	Two-Timescale Voltage Regulation in Distribution Grids Using Deep Reinforcement Learning. , 2019, , .		6
88	Non-fragile finite-time dissipative piecewise control for time-varying system with time-varying delay. IET Control Theory and Applications, 2019, 13, 321-332.	1.2	6
89	Stealthy FDI Attacks Against Networked Control Systems Using Two Filters With an Arbitrary Gain. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 3219-3223.	2.2	6
90	Improved stability conditions for time-varying delay systems via relaxed Lyapunov functionals. International Journal of Control, 2023, 96, 1568-1581.	1.2	6

#	ARTICLE	IF	CITATIONS
91	Covert attacks against output tracking control of cyber-physical systems. , 2017, , .		5
92	Quantized feedback control for nonlinear feedforward systems with unknown output functions and unknown control coefficients. International Journal of Robust and Nonlinear Control, 2019, 29, 4002-4021.	2.1	5
93	LQG control for sampled-data systems under stochastic sampling. Journal of the Franklin Institute, 2020, 357, 2773-2790.	1.9	5
94	Distributed Solver for Discrete-Time Lyapunov Equations Over Dynamic Networks With Linear Convergence Rate. IEEE Transactions on Cybernetics, 2022, 52, 937-946.	6.2	5
95	Online Reinforcement Learning Control by Direct Heuristic Dynamic Programming: From Time-Driven to Event-Driven. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 4139-4144.	7.2	5
96	Distributed hybrid impulsive algorithm with supervisory resetting for nonlinear optimization problems. International Journal of Robust and Nonlinear Control, 2021, 31, 3230-3247.	2.1	5
97	Performance degradation of stealthy attacks against sensor measurements in vector systems. Journal of the Franklin Institute, 2021, 358, 237-250.	1.9	4
98	Distributed Optimization Approach for Solving Continuous-Time Lyapunov Equations With Exponential Rate of Convergence. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1684-1691.	5.9	4
99	Finite time dissipativity-based reliable control for time-varying system with delay and linear fractional uncertainties. International Journal of Systems Science, 2019, 50, 463-478.	3.7	3
100	Query-Efficient Hard-Label Black-Box Attacks Using Biased Sampling. , 2020, , .		3
101	Power System State Estimation Using Gauss-Newton Unrolled Neural Networks with Trainable Priors. , 2020, , .		3
102	Event-triggered predictive control for linear discrete-time multi-agent systems. Neurocomputing, 2022, 505, 238-248.	3.5	3
103	State feedback controller design and stability analysis of networked predictive control systems. , 2011, , .		2
104	Observer-based output feedback control of networked control systems with non-uniform sampling and time-varying delay. International Journal of Systems Science, 2017, 48, 3118-3128.	3.7	2
105	Event-triggered Nonlinear Model Predictive Control with Bounded Disturbances and State-dependent Uncertainties * *This work was supported by Foundation for Innovative Research Groups of the National Natural Science Foundation of China(61321002), Projects of Major International (Regional) (NCET-13-0045), Beijing Higher Education Young Elite Teacher Project., IFAC-PapersOnLine, 2017, 50, 9308-9314.	0.5	2
106	Distributed Topology Switching Strategy Designing for Heterogeneous Vehicle Platoons. , 2018, , .		2
107	Stability analysis of nonlinear switched systems with sampled-data inputs. , 2018, , .		2
108	Deep Policy Gradient for Reactive Power Control in Distribution Systems. , 2020, , .		2

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109	Visualizing One Pixel Attack Using Adversarial Maps. , 2020, , .		2
110	An NN-Based SRD Decomposition Algorithm and Its Application in Nonlinear Compensation. Sensors, 2014, 14, 17353-17375.	2.1	1
111	Dynamic output feedback control of networked control systems with aperiodic sampling and time-varying delays. , 2017, , .		1
112	Stabilization of Systems Under Stochastic Clock Offsets. , 2018, , .		1
113	Network topology identification under the multi-agent agreement protocol. Journal of the Franklin Institute, 2021, 358, 6759-6774.	1.9	1
114	Incremental networked predictive control of multi-agent systems with plant-model mismatch and random communication constraints. IET Control Theory and Applications, 2022, 16, 51-65.	1.2	1
115	EKF-based state estimation for nonlinear complex networks. , 2017, , .		0
116	Distributed Algorithm for Controllability Test of Discrete-time Linear Systems. , 2019, , .		0
117	Linear Quadratic Regulator of Discrete-Time Switched Linear Systems. IEEE Transactions on Circuits and Systems II: Express Briefs, 2020, 67, 3113-3117.	2.2	0
118	Dynamic Output Feedback Control of a Sampled-Data System Under Stochastic Sampling. , 2020, , .		0
119	Attitude Control of Quadrotor UAVs Using Adaptive Terminal Sliding Mode Control. , 2021, , .		0
120	Distributed Stochastic Gradient Tracking Algorithm With Variance Reduction for Non-Convex Optimization. IEEE Transactions on Neural Networks and Learning Systems, 2022, PP, 1-12.	7.2	0