

Xingwen Liu

List of Publications by Year in descending order

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papers

1,814
citations

394421

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42
g-index

82
all docs

82
docs citations

82
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Stability Analysis of Positive Switched Linear Systems With Delays. IEEE Transactions on Automatic Control, 2011, 56, 1684-1690.	5.7	287
2	Stability Analysis for Continuous-Time Positive Systems With Time-Varying Delays. IEEE Transactions on Automatic Control, 2010, 55, 1024-1028.	5.7	217
3	Improved results on stability of continuous-time switched positive linear systems. Automatica, 2014, 50, 614-621.	5.0	198
4	Stability Analysis of Switched Positive Systems: A Switched Linear Copositive Lyapunov Function Method. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 414-418.	3.0	183
5	Stability Analysis of Positive Systems With Bounded Time-Varying Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2009, 56, 600-604.	3.0	150
6	Constrained Control of Positive Systems with Delays. IEEE Transactions on Automatic Control, 2009, 54, 1596-1600.	5.7	117
7	Constrained Control of Positive Discrete-Time Systems With Delays. IEEE Transactions on Circuits and Systems II: Express Briefs, 2008, 55, 193-197.	3.0	75
8	Stability analysis of a class of nonlinear positive switched systems with delays. Nonlinear Analysis: Hybrid Systems, 2015, 16, 1-12.	3.5	53
9	Relationships between asymptotic stability and exponential stability of positive delay systems. International Journal of General Systems, 2013, 42, 224-238.	2.5	45
10	Stability analysis of a class of switched nonlinear systems with delays: A trajectory-based comparison method. Automatica, 2018, 91, 36-42.	5.0	42
11	Delay-dependent control for uncertain fuzzy systems with time-varying delays. Nonlinear Analysis: Theory, Methods & Applications, 2008, 68, 1352-1361.	1.1	33
12	Passivity analysis of uncertain fuzzy delayed systems. Chaos, Solitons and Fractals, 2007, 34, 833-838.	5.1	31
13	Memory-based snowdrift game on a square lattice. Physica A: Statistical Mechanics and Its Applications, 2018, 496, 15-26.	2.6	29
14	Dynamics of delayed switched nonlinear systems with applications to cascade systems. Automatica, 2018, 87, 251-257.	5.0	29
15	Stability analysis of discrete-time switched systems: a switched homogeneous Lyapunov function method. International Journal of Control, 2016, 89, 297-305.	1.9	28
16	Memory-based conformity enhances cooperation in social dilemmas. Applied Mathematics and Computation, 2019, 346, 480-490.	2.2	24
17	Stability criteria for Tâ€“S fuzzy systems with interval time-varying delays and nonlinear perturbations based on geometric progression delay partitioning method. ISA Transactions, 2016, 63, 69-77.	5.7	23
18	Asymptotic Stability Analysis of Discrete-Time Switched Cascade Nonlinear Systems With Delays. IEEE Transactions on Automatic Control, 2020, 65, 2686-2692.	5.7	23

#	ARTICLE	IF	CITATIONS
19	Memory mechanism with weighting promotes cooperation in the evolutionary games. <i>Chaos, Solitons and Fractals</i> , 2019, 120, 17-24.	5.1	22
20	Impacts of memory on a regular lattice for different population sizes with asynchronous update in spatial snowdrift game. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 1317-1323.	2.1	19
21	Stability of perturbed switched nonlinear systems with delays. <i>Nonlinear Analysis: Hybrid Systems</i> , 2017, 25, 114-125.	3.5	18
22	A Hybrid Proportional Impulsive Plus Integral Robust Control Algorithm for H^∞ Stabilization. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 5211-5220.	9.3	13
23	Improved results on nonlinear perturbed Tâ€“S fuzzy system with mixed delays. <i>Journal of the Franklin Institute</i> , 2017, 354, 2032-2052.	3.4	12
24	Links between different stabilities of switched homogeneous systems with delays and uncertainties. <i>International Journal of Robust and Nonlinear Control</i> , 2016, 26, 174-184.	3.7	10
25	Robust convergence of discrete-time delayed switched nonlinear systems and its applications to cascade systems. <i>International Journal of Robust and Nonlinear Control</i> , 2018, 28, 767-780.	3.7	10
26	Error State Convergence on Master-Slave Generalized Uncertain Neural Networks Using Robust Nonlinear H_∞ Control Theory. <i>IEEE Transactions on Systems, Man, and Cybernetics: Systems</i> , 2020, 50, 2042-2055.	9.3	10
27	Constrained control of discrete-time positive systems with delays. , 2009, , .		9
28	Dynamics of linear delayed systems with decaying disturbances. <i>Journal of the Franklin Institute</i> , 2014, 351, 5055-5075.	3.4	9
29	Stability of stochastic functional differential systems with semi-Markovian switching and Lévy noise by functional Itô's formula and its applications. <i>Journal of the Franklin Institute</i> , 2020, 357, 4458-4485.	3.4	9
30	Stability and stabilization of positive systems with delays. , 2009, , .		8
31	Stability analysis of discrete-time coupled systems with delays. <i>Journal of the Franklin Institute</i> , 2020, 357, 9942-9959.	3.4	7
32	Passivity and passification analysis of uncertain discrete-time fuzzy systems. <i>Kybernetes</i> , 2009, 38, 396-405.	2.2	5
33	Perturbed dynamics of discrete-time switched nonlinear systems with delays and uncertainties. <i>ISA Transactions</i> , 2016, 62, 129-136.	5.7	5
34	Fixed-time stability of positive nonlinear systems. <i>Transactions of the Institute of Measurement and Control</i> , 2020, 42, 2951-2955.	1.7	5
35	The disconnection-reconnection-elite mechanism enhances cooperation of evolutionary game on lattice. <i>Chaos, Solitons and Fractals</i> , 2022, 157, 111897.	5.1	5
36	Event-triggered H_∞ control of discrete-time switched linear systems with delays. <i>Asian Journal of Control</i> , 2023, 25, 1256-1270.	3.0	5

#	ARTICLE	IF	CITATIONS
37	Stability analysis of positive systems with unbounded delays. , 2010, , .		4
38	Equivalence between different stabilities of discrete-time delayed switched systems with uncertainties. , 2014, , .		4
39	Dynamics of linear switched systems with disturbances. , 2015, , .		4
40	Stability analysis of delayed switched cascade nonlinear systems with uniform switching signals. Mathematical Modelling and Control, 2021, 1, 90-101.	0.9	4
41	Exponential stability of discrete-time systems with slowly time-varying delays. Nonlinear Analysis: Hybrid Systems, 2022, 46, 101246.	3.5	4
42	Stability analysis of discrete-time positive switched linear delay systems. , 2012, , .		3
43	Stability and L_2 -gain analysis for switched systems with interval time-varying delay. IET Control Theory and Applications, 2015, 9, 1644-1652.	2.1	3
44	Stability of perturbed switched homogeneous systems with delays and uncertainties. IET Control Theory and Applications, 2016, 10, 684-691.	2.1	3
45	Observer-Based Event-Triggered H^∞ Control of Switched Systems with Time Delays. Procedia Computer Science, 2022, 199, 1016-1023.	2.0	3
46	Passivity and Passification of T-S Fuzzy-Model-Based Switched Uncertain Systems. , 2007, , .		2
47	Dynamics of discrete-time homogeneous switched systems with delays and perturbations. , 2015, , .		2
48	Decentralised H^∞ -filtering of interconnected discrete-time fuzzy systems with time delays. International Journal of Systems Science, 2012, 43, 1534-1544.	5.5	1
49	Dynamics of discrete-time linear systems with decaying disturbances. , 2014, , .		1
50	Stability Analysis of Discrete-Time Linear Time-Varying Switched Systems with Delays * *This work was partially supported by National Nature Science Foundation (61673016, 61273007), SWUN Construction Projects for Graduate Degree Programs (2017XWD-S0805), Advance Research Program of Electronic Science and Technology National Program (2017YYGZS16), Innovative Research Team of the Education Department of Sichuan Province (15TD0050), Sichuan Youth Science and Technology Innovation Research Team (2017TD0028). IFAC-PapersOnLine, 2017, 50, 3435-3441.	0.9	1
51	Stability analysis of a class of nonlinear systems with delays: A positive system method. , 2017, , .		1
52	A stability criterion for discrete-time switched nonautonomous nonlinear systems with delays. , 2017, , .		1
53	Homogeneous polynomial Lyapunov functional for stability analysis of systems with delays. , 2018, , .		1
54	Periodicity and stability analysis of periodic switched positive systems. IET Control Theory and Applications, 2020, 14, 127-133.	2.1	1

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55	Asynchronous H ∞ Control of Discrete-time Switched Delay Systems with Mode-dependent Average Dwell Time. , 2021, , .		1
56	Stability Analysis of Discrete-time System with Slowly Time-varying Delays. Procedia Computer Science, 2022, 199, 1008-1015.	2.0	1
57	Stability Analysis of Switched Continuous-time Systems with Stable and Unstable Subsystems. Procedia Computer Science, 2022, 199, 929-936.	2.0	1
58	Delayed State-Feedback Fuzzy Controller Design for Chaotic Mapping. , 2006, , .		0
59	Exponential Stability for Cellular Neural Networks with Delay. , 2006, , .		0
60	Robust Stability of Uncertain Fuzzy Systems with Arbitrary Time-Varying Delays. , 2006, , .		0
61	Delayed Fuzzy Controller Design for Hyperchaotic Systems. , 2006, , .		0
62	Projective Synchronization in Coupled Fractional Order Chaotic Electronic Oscillators and its Control. , 2007, , .		0
63	T-S Fuzzy-Model-Based Impulsive Control of Autonomous Nonlinear Systems. , 2007, , .		0
64	Passivity Analysis of Uncertain Discrete-Time Fuzzy Systems with Delays. , 2007, , .		0
65	A Novel Approach to Control Lorenz System. , 2007, , .		0
66	Passivity and Passification of Uncertain Fuzzy Large-Scale Systems. , 2007, , .		0
67	Constrained control of delayed discrete-time positive systems. , 2008, , .		0
68	Passivity analysis of T-S Fuzzy-model-based uncertain switched systems with delays. , 2008, , .		0
69	Necessary and sufficient conditions for bounded control of positive systems. , 2008, , .		0
70	Further results on stability of discrete-time systems with time-varying delays. , 2008, , .		0
71	Decentralized constrained control of delayed discrete-time systems. , 2009, , .		0
72	Switched homogeneous copositive lyapunov function approach to switched positive systems. , 2014, , .		0

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73	Preliminary results on positizable systems. , 2014, , .		0
74	Stability analysis of discrete-time switched nonlinear systems with delays and perturbations. , 2016, , .		0
75	Lag consensus of second-order leader-following multiagent systems with communication delays. , 2017, , .		0
76	Periodic flows analysis of a nonlinear power system based on discrete implicit mapping. , 2017, , .		0
77	Stability Analysis of Discrete-Time Periodic Positive Systems with Periodic Delays. , 2018, , .		0
78	Weighted \mathcal{L}_1 -gain performance on delayed positive system using an impulse time dependent hybrid control scheme. , 2018, , .		0
79	Lag-Consensus of Leader-Following Multiagent Systems by Pinning Control and Data Sampling. , 2021, , .		0
80	Robust Stability and Stabilization of Uncertain Systems with Time-varying Delays via Delay-partition. , 2021, , .		0
81	Evolutionary Snowdrift Game with Time-Varying Neighbor Promotes Cooperation. , 2020, , .		0
82	Input-to-State Stability for Discrete-time Monotone Systems via Max-Separable Lyapunov Functions. Procedia Computer Science, 2022, 199, 1024-1030.	2.0	0