

Mathi

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.

99
papers

2,808
citations

32
h-index

49
g-index

105
ext. papers

3,144
ext. citations

2.8
avg, IF

5.72
L-index

#	Paper	IF	Citations
99	Results on Boundary Control for Parabolic Systems Using Backstepping Method. <i>Mathematical Problems in Engineering</i> , 2022 , 2022, 1-13	1.1	
98	Observer-based finite-time dissipativity for parabolic systems with time-varying delays. <i>Applied Mathematics and Computation</i> , 2022 , 413, 126605	2.7	1
97	Observer and boundary output feedback control for coupled ODE-transport PDE. <i>Applied Mathematics and Computation</i> , 2022 , 426, 127096	2.7	0
96	Boundary stabilization and state estimation of ODE- transport PDE with in-domain coupling. <i>Journal of the Franklin Institute</i> , 2021 , 359, 1605-1605	4	2
95	Fault Estimator for Parabolic Systems with Distributed Inputs and Outputs. <i>Studies in Systems, Decision and Control</i> , 2021 , 147-167	0.8	1
94	New results on robust sliding mode control for linear time-delay systems. <i>IMA Journal of Mathematical Control and Information</i> , 2021 , 38, 320-336	1.1	4
93	Second-order sliding mode control for nonlinear fractional-order systems. <i>Applied Mathematics and Computation</i> , 2020 , 383, 125264	2.7	10
92	State estimation results for genetic regulatory networks with Lévy-type noise. <i>Chinese Journal of Physics</i> , 2020 , 68, 191-203	3.5	3
91	Exponential stabilisation and dissipativity analysis of semilinear parabolic systems. <i>International Journal of Systems Science</i> , 2020 , 51, 2181-2191	2.3	2
90	Finite-time stabilization of nonlinear time delay systems using LQR based sliding mode control. <i>Journal of the Franklin Institute</i> , 2019 , 356, 3948-3964	4	32
89	Finite-time dissipativity-based filter design for networked control systems. <i>International Journal of Adaptive Control and Signal Processing</i> , 2019 , 33, 1706-1721	2.8	5
88	Robust reliable dissipative filtering for Markovian jump nonlinear systems with uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , 2017 , 31, 39-53	2.8	12
87	Exponential Passivity Results for Singular Networked Cascade Control Systems Via Sampled-Data Control. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	6
86	Robust energy-to-peak filtering for discrete-time nonlinear systems with measurement quantization. <i>Signal Processing</i> , 2017 , 139, 102-109	4.4	22
85	Robust State Feedback H _∞ Control for Discrete-Time Fuzzy System With Random Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2017 , 139,	1.6	2
84	Robust reliable H _∞ Control for fuzzy systems with random delays and linear fractional uncertainties. <i>Fuzzy Sets and Systems</i> , 2016 , 302, 65-81	3.7	32
83	Reliable gain-scheduled control of discrete-time systems and its application to CSTR model. <i>International Journal of Systems Science</i> , 2016 , 47, 3447-3454	2.3	3

82	Stabilization of Discrete-time Fuzzy Systems Via Delta Operators and its Application to Truck-Trailer Model. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 2373-2389	2.2	4
81	Reliable (H_{∞}) Stabilization of Fuzzy Systems with Random Delay Via Nonlinear Retarded Control. <i>Circuits, Systems, and Signal Processing</i> , 2016 , 35, 1123-1145	2.2	9
80	Fault estimation for discrete-time switched nonlinear systems with discrete and distributed delays. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 3755-3771	3.6	37
79	Robust passivity based resilient control for networked control systems with random gain fluctuations. <i>International Journal of Robust and Nonlinear Control</i> , 2016 , 26, 426-444	3.6	25
78	Robust sampled-data control of uncertain switched neutral systems with probabilistic input delay. <i>Complexity</i> , 2016 , 21, 308-318	1.6	9
77	Delay-dependent robust reliable control for uncertain switched neutral systems. <i>Complexity</i> , 2016 , 21, 224-237	1.6	5
76	Impulsive controller for wireless networked control system: Switched system approach. <i>Complexity</i> , 2016 , 21, 291-299	1.6	5
75	Robust sampled-data PI controller design for networked control systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 797-815	4	7
74	Novel results on robust finite-time passivity for discrete-time delayed neural networks. <i>Neurocomputing</i> , 2016 , 177, 585-593	5.4	29
73	Finite-time boundedness and dissipativity analysis of networked cascade control systems. <i>Nonlinear Dynamics</i> , 2016 , 84, 2149-2160	5	34
72	Reliable anti-synchronization conditions for BAM memristive neural networks with different memductance functions. <i>Applied Mathematics and Computation</i> , 2016 , 275, 213-228	2.7	81
71	Non-fragile H_{∞} synchronization of memristor-based neural networks using passivity theory. <i>Neural Networks</i> , 2016 , 74, 85-100	9.1	101
70	Robust reliable sampled-data control for switched systems with application to flight control. <i>International Journal of Systems Science</i> , 2016 , 47, 3518-3528	2.3	24
69	Dissipative sampled-data controller design for singular networked cascade control systems. <i>Journal of the Franklin Institute</i> , 2016 , 353, 3386-3406	4	18
68	Fault-tolerant sampled-data mixed H_{∞} and passivity control of stochastic systems and its application. <i>Complexity</i> , 2016 , 21, 420-429	1.6	7
67	Passivity of memristor-based BAM neural networks with different memductance and uncertain delays. <i>Cognitive Neurodynamics</i> , 2016 , 10, 339-51	4.2	38
66	Finite-time stability of fractional-order stochastic singular systems with time delay and white noise. <i>Complexity</i> , 2016 , 21, 370-379	1.6	25
65	Robust Reliable H_{∞} Control for Discrete-Time Systems with Actuator Delays. <i>Asian Journal of Control</i> , 2015 , 17, 2133-2142	1.7	9

64	Robust reliable control design for networked control system with sampling communication. <i>International Journal of Control</i> , 2015 , 88, 2510-2522	1.5	21
63	Mixed H_2 and passive control for singular Markovian jump systems with time delays. <i>Journal of the Franklin Institute</i> , 2015 , 352, 4446-4466	4	81
62	Observer-based control for switched networked control systems with missing data. <i>International Journal of Machine Learning and Cybernetics</i> , 2015 , 6, 677-686	3.8	20
61	Robust fault-tolerant H_2 control for offshore steel jacket platforms via sampled-data approach. <i>Journal of the Franklin Institute</i> , 2015 , 352, 2259-2279	4	40
60	Combined H_2 and passivity state estimation of memristive neural networks with random gain fluctuations. <i>Neurocomputing</i> , 2015 , 168, 1111-1120	5.4	58
59	New results on passivity-based . <i>Nonlinear Analysis: Hybrid Systems</i> , 2015 , 17, 56-69	4.5	38
58	Synchronization for delayed memristive BAM neural networks using impulsive control with random nonlinearities. <i>Applied Mathematics and Computation</i> , 2015 , 259, 967-979	2.7	133
57	Reliable dissipative sampled-data control for uncertain systems with actuator failures and application to vehicle dynamics. <i>IMA Journal of Mathematical Control and Information</i> , 2015 , dnv042	1.1	1
56	Reliable stabilization for memristor-based recurrent neural networks with time-varying delays. <i>Neurocomputing</i> , 2015 , 153, 140-147	5.4	35
55	H_∞ filtering for impulsive networked control systems with random packet dropouts and randomly occurring nonlinearities. <i>International Journal of Robust and Nonlinear Control</i> , 2015 , 25, 1767-1782	3.6	24
54	Exponential synchronization for fractional-order chaotic systems with mixed uncertainties. <i>Complexity</i> , 2015 , 21, 114-125	1.6	62
53	Reliable gain-scheduled control design for networked control systems. <i>Complexity</i> , 2015 , 21, 214-228	1.6	9
52	Sampled-data state estimation for genetic regulatory networks with time-varying delays. <i>Neurocomputing</i> , 2015 , 151, 737-744	5.4	29
51	Robust reliable sampled-data H_2 control for uncertain stochastic systems with random delay. <i>Complexity</i> , 2015 , 21, 42-58	1.6	27
50	Fault-tolerant sampled-data control of flexible spacecraft with probabilistic time delays. <i>Nonlinear Dynamics</i> , 2015 , 79, 1835-1846	5	45
49	Robust reliable H_2 control for stochastic neural networks with randomly occurring delays. <i>Neurocomputing</i> , 2015 , 149, 1524-1534	5.4	21
48	Observer-based dissipative control for networked control systems: A switched system approach. <i>Complexity</i> , 2015 , 21, 297-308	1.6	31
47	Exponential H_∞ filtering for discrete-time switched neural networks with random delays. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 676-87	10.2	103

46	Robust sampled-data H_{∞} control for mechanical systems. <i>Complexity</i> , 2015 , 20, 19-29	1.6	33
45	Reliable Robust Control Design for Uncertain Mechanical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	11
44	Non-fragile synchronization of memristive BAM networks with random feedback gain fluctuations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2015 , 29, 427-440	3.7	67
43	Robust Reliable Control for Uncertain Vehicle Suspension Systems With Input Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2015 , 137,	1.6	22
42	Non-fragile Observer-Based (H_{∞}) Control for Discrete-Time Systems Using Passivity Theory. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 2499-2516	2.2	14
41	Robust (L_2 - L_{∞}) Control for Uncertain Systems with Additive Delay Components. <i>Circuits, Systems, and Signal Processing</i> , 2015 , 34, 2819-2838	2.2	10
40	Design of state estimator for bidirectional associative memory neural networks with leakage delays. <i>Information Sciences</i> , 2015 , 296, 263-274	7.7	101
39	Reliable Mixed H_{∞} and Passivity-Based Control for Fuzzy Markovian Switching Systems With Probabilistic Time Delays and Actuator Failures. <i>IEEE Transactions on Cybernetics</i> , 2015 , 45, 2720-31	10.2	99
38	New Stability Criteria for Stochastic Takagi-Sugeno Fuzzy Systems With Time-Varying Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	5
37	Robust mixed H_{∞} and passive filtering for networked Markov jump systems with impulses. <i>Signal Processing</i> , 2014 , 101, 162-173	4.4	87
36	Robust state estimation for discrete-time BAM neural networks with time-varying delay. <i>Neurocomputing</i> , 2014 , 131, 171-178	5.4	30
35	Robust reliable sampled-data control for offshore steel jacket platforms with nonlinear perturbations. <i>Nonlinear Dynamics</i> , 2014 , 78, 1109-1123	5	51
34	Delay-dependent H_{∞} state estimation of neural networks with mixed time-varying delays. <i>Neurocomputing</i> , 2014 , 129, 392-400	5.4	57
33	Robust stochastic stability of discrete-time fuzzy Markovian jump neural networks. <i>ISA Transactions</i> , 2014 , 53, 1006-14	5.5	56
32	Robust Reliable Control for Neutral-Type Nonlinear Systems with Time-Varying Delays. <i>Reports on Mathematical Physics</i> , 2014 , 74, 181-203	0.8	8
31	Fault-Distribution Dependent Reliable H_{∞} Control for Takagi-Sugeno Fuzzy Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , 2014 , 136,	1.6	34
30	Robust Stochastic Stability of Discrete-Time Markovian Jump Neural Networks with Leakage Delay. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014 , 69, 70-80	1.4	3
29	Exponential state estimation for discrete-time switched genetic regulatory networks with random delays. <i>Canadian Journal of Physics</i> , 2014 , 92, 976-986	1.1	12

28	Robust reliable dissipative filtering for networked control systems with sensor failure. <i>IET Signal Processing</i> , 2014 , 8, 809-822	1.7	35
27	Robust Control for Fuzzy Nonlinear Uncertain Systems with Discrete and Distributed Time Delays. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2014 , 69, 569-580	1.4	6
26	Robust exponential stability and H_{∞} control for switched neutral-type neural networks. <i>International Journal of Adaptive Control and Signal Processing</i> , 2014 , 28, 429-443	2.8	20
25	Delay fractioning approach to robust exponential stability of fuzzy Cohen-Grossberg neural networks. <i>Applied Mathematics and Computation</i> , 2014 , 230, 451-463	2.7	42
24	State estimation for switched discrete-time stochastic BAM neural networks with time varying delay. <i>Nonlinear Dynamics</i> , 2013 , 73, 1565-1585	5	18
23	New LMI-Based Passivity Criteria for Neutral-Type BAM Neural Networks with Randomly Occurring Uncertainties. <i>Reports on Mathematical Physics</i> , 2013 , 72, 263-286	0.8	12
22	Admissibility analysis and control synthesis for descriptor systems with random abrupt changes. <i>Applied Mathematics and Computation</i> , 2013 , 219, 9717-9730	2.7	31
21	Robust state estimation for discrete-time genetic regulatory networks with randomly occurring uncertainties. <i>Nonlinear Dynamics</i> , 2013 , 74, 1297-1315	5	32
20	New Passivity Criteria for Fuzzy Bam Neural Networks with Markovian Jumping Parameters and Time-Varying Delays. <i>Reports on Mathematical Physics</i> , 2013 , 71, 69-91	0.8	15
19	An improved delay-dependent criterion for stability of uncertain neutral systems with mixed time delays. <i>Lobachevskii Journal of Mathematics</i> , 2013 , 34, 36-44	0.9	2
18	Robust state estimation for uncertain fuzzy bidirectional associative memory networks with time-varying delays. <i>Physica Scripta</i> , 2013 , 88, 035008	2.6	9
17	Exponential stability result for discrete-time stochastic fuzzy uncertain neural networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2012 , 376, 901-912	2.3	53
16	Robust H_{∞} control for uncertain discrete-time stochastic neural networks with time-varying delays. <i>IET Control Theory and Applications</i> , 2012 , 6, 1220	2.5	38
15	Delay-dependent robust stabilization and H_{∞} control for neural networks with various activation functions. <i>Physica Scripta</i> , 2012 , 85, 045801	2.6	8
14	Robust stability criteria for discrete-time switched neural networks with various activation functions. <i>Applied Mathematics and Computation</i> , 2012 , 218, 10803-10816	2.7	31
13	Robust stabilisation of non-linear uncertain Takagi-Sugeno fuzzy systems by H_{∞} control. <i>IET Control Theory and Applications</i> , 2012 , 6, 2556-2566	2.5	42
12	Robust stability and control for uncertain neutral time delay systems. <i>International Journal of Control</i> , 2012 , 85, 373-383	1.5	48
11	New robust exponential stability results for discrete-time switched fuzzy neural networks with time delays. <i>Computers and Mathematics With Applications</i> , 2012 , 64, 2926-2938	2.7	28

10	New robust passivity criteria for stochastic fuzzy BAM neural networks with time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2012 , 17, 1392-1407	3.7	60
9	Robust Passivity of Fuzzy Cohen-Grossberg Neural Networks with Time-Varying Delays. <i>Communications in Computer and Information Science</i> , 2012 , 263-270	0.3	
8	Robust stabilization and H_2 control for discrete-time stochastic genetic regulatory networks with time delays. <i>Canadian Journal of Physics</i> , 2012 , 90, 939-953	1.1	27
7	New robust passivity criteria for discrete-time genetic regulatory networks with Markovian jumping parameters. <i>Canadian Journal of Physics</i> , 2012 , 90, 107-118	1.1	25
6	Design of a robust controller on stabilization of stochastic neural networks with time varying delays. <i>Physica Scripta</i> , 2012 , 85, 035003	2.6	6
5	Robust Stabilization Results for TS Fuzzy Nonlinear Stochastic Systems with Discrete and Distributed Time Delays. <i>Communications in Computer and Information Science</i> , 2012 , 255-262	0.3	
4	New stability and stabilization criteria for fuzzy neural networks with various activation functions. <i>Physica Scripta</i> , 2011 , 84, 015007	2.6	37
3	Robust passivity analysis of fuzzy Cohen-Grossberg BAM neural networks with time-varying delays. <i>Applied Mathematics and Computation</i> , 2011 , 218, 3799-3809	2.7	70
2	Design of a passification controller for uncertain fuzzy Hopfield neural networks with time-varying delays. <i>Physica Scripta</i> , 2011 , 84, 045024	2.6	28
1	New Delay-Dependent Stability Criteria for Stochastic TS Fuzzy Systems with Time-Varying Delays. <i>Communications in Computer and Information Science</i> , 2011 , 27-34	0.3	