

# Mathi

## List of Publications by Citations

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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	Synchronization for delayed memristive BAM neural networks using impulsive control with random nonlinearities. <i>Applied Mathematics and Computation</i> , <b>2015</b> , 259, 967-979	2.7	133
98	Exponential H <sub>∞</sub> filtering for discrete-time switched neural networks with random delays. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 676-87	10.2	103
97	Non-fragile H <sub>∞</sub> synchronization of memristor-based neural networks using passivity theory. <i>Neural Networks</i> , <b>2016</b> , 74, 85-100	9.1	101
96	Design of state estimator for bidirectional associative memory neural networks with leakage delays. <i>Information Sciences</i> , <b>2015</b> , 296, 263-274	7.7	101
95	Reliable Mixed H <sub>∞</sub> and Passivity-Based Control for Fuzzy Markovian Switching Systems With Probabilistic Time Delays and Actuator Failures. <i>IEEE Transactions on Cybernetics</i> , <b>2015</b> , 45, 2720-31	10.2	99
94	Robust mixed H <sub>∞</sub> and passive filtering for networked Markov jump systems with impulses. <i>Signal Processing</i> , <b>2014</b> , 101, 162-173	4.4	87
93	Mixed H <sub>∞</sub> and passive control for singular Markovian jump systems with time delays. <i>Journal of the Franklin Institute</i> , <b>2015</b> , 352, 4446-4466	4	81
92	Reliable anti-synchronization conditions for BAM memristive neural networks with different memductance functions. <i>Applied Mathematics and Computation</i> , <b>2016</b> , 275, 213-228	2.7	81
91	Robust passivity analysis of fuzzy Cohen-Grossberg BAM neural networks with time-varying delays. <i>Applied Mathematics and Computation</i> , <b>2011</b> , 218, 3799-3809	2.7	70
90	Non-fragile synchronization of memristive BAM networks with random feedback gain fluctuations. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2015</b> , 29, 427-440	3.7	67
89	Exponential synchronization for fractional-order chaotic systems with mixed uncertainties. <i>Complexity</i> , <b>2015</b> , 21, 114-125	1.6	62
88	New robust passivity criteria for stochastic fuzzy BAM neural networks with time-varying delays. <i>Communications in Nonlinear Science and Numerical Simulation</i> , <b>2012</b> , 17, 1392-1407	3.7	60
87	Combined H <sub>∞</sub> and passivity state estimation of memristive neural networks with random gain fluctuations. <i>Neurocomputing</i> , <b>2015</b> , 168, 1111-1120	5.4	58
86	Delay-dependent H <sub>∞</sub> state estimation of neural networks with mixed time-varying delays. <i>Neurocomputing</i> , <b>2014</b> , 129, 392-400	5.4	57
85	Robust stochastic stability of discrete-time fuzzy Markovian jump neural networks. <i>ISA Transactions</i> , <b>2014</b> , 53, 1006-14	5.5	56
84	Exponential stability result for discrete-time stochastic fuzzy uncertain neural networks. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , <b>2012</b> , 376, 901-912	2.3	53
83	Robust reliable sampled-data control for offshore steel jacket platforms with nonlinear perturbations. <i>Nonlinear Dynamics</i> , <b>2014</b> , 78, 1109-1123	5	51

82	Robust stability and control for uncertain neutral time delay systems. <i>International Journal of Control</i> , <b>2012</b> , 85, 373-383	1.5	48
81	Fault-tolerant sampled-data control of flexible spacecraft with probabilistic time delays. <i>Nonlinear Dynamics</i> , <b>2015</b> , 79, 1835-1846	5	45
80	Delay fractioning approach to robust exponential stability of fuzzy Cohen-Grossberg neural networks. <i>Applied Mathematics and Computation</i> , <b>2014</b> , 230, 451-463	2.7	42
79	Robust stabilisation of non-linear uncertain Takagi-Sugeno fuzzy systems by H <sub>∞</sub> control. <i>IET Control Theory and Applications</i> , <b>2012</b> , 6, 2556-2566	2.5	42
78	Robust fault-tolerant H <sub>∞</sub> control for offshore steel jacket platforms via sampled-data approach. <i>Journal of the Franklin Institute</i> , <b>2015</b> , 352, 2259-2279	4	40
77	New results on passivity-based . <i>Nonlinear Analysis: Hybrid Systems</i> , <b>2015</b> , 17, 56-69	4.5	38
76	Robust H <sub>∞</sub> control for uncertain discrete-time stochastic neural networks with time-varying delays. <i>IET Control Theory and Applications</i> , <b>2012</b> , 6, 1220	2.5	38
75	Passivity of memristor-based BAM neural networks with different memductance and uncertain delays. <i>Cognitive Neurodynamics</i> , <b>2016</b> , 10, 339-51	4.2	38
74	Fault estimation for discrete-time switched nonlinear systems with discrete and distributed delays. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3755-3771	3.6	37
73	New stability and stabilization criteria for fuzzy neural networks with various activation functions. <i>Physica Scripta</i> , <b>2011</b> , 84, 015007	2.6	37
72	Reliable stabilization for memristor-based recurrent neural networks with time-varying delays. <i>Neurocomputing</i> , <b>2015</b> , 153, 140-147	5.4	35
71	Robust reliable dissipative filtering for networked control systems with sensor failure. <i>IET Signal Processing</i> , <b>2014</b> , 8, 809-822	1.7	35
70	Finite-time boundedness and dissipativity analysis of networked cascade control systems. <i>Nonlinear Dynamics</i> , <b>2016</b> , 84, 2149-2160	5	34
69	Fault-Distribution Dependent Reliable H <sub>∞</sub> Control for Takagi-Sugeno Fuzzy Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2014</b> , 136,	1.6	34
68	Robust sampled-data H <sub>∞</sub> control for mechanical systems. <i>Complexity</i> , <b>2015</b> , 20, 19-29	1.6	33
67	Robust reliable H <sub>∞</sub> control for fuzzy systems with random delays and linear fractional uncertainties. <i>Fuzzy Sets and Systems</i> , <b>2016</b> , 302, 65-81	3.7	32
66	Finite-time stabilization of nonlinear time delay systems using LQR based sliding mode control. <i>Journal of the Franklin Institute</i> , <b>2019</b> , 356, 3948-3964	4	32
65	Robust state estimation for discrete-time genetic regulatory networks with randomly occurring uncertainties. <i>Nonlinear Dynamics</i> , <b>2013</b> , 74, 1297-1315	5	32

64	Observer-based dissipative control for networked control systems: A switched system approach. <i>Complexity</i> , <b>2015</b> , 21, 297-308	1.6	31
63	Admissibility analysis and control synthesis for descriptor systems with random abrupt changes. <i>Applied Mathematics and Computation</i> , <b>2013</b> , 219, 9717-9730	2.7	31
62	Robust stability criteria for discrete-time switched neural networks with various activation functions. <i>Applied Mathematics and Computation</i> , <b>2012</b> , 218, 10803-10816	2.7	31
61	Robust state estimation for discrete-time BAM neural networks with time-varying delay. <i>Neurocomputing</i> , <b>2014</b> , 131, 171-178	5.4	30
60	Sampled-data state estimation for genetic regulatory networks with time-varying delays. <i>Neurocomputing</i> , <b>2015</b> , 151, 737-744	5.4	29
59	Novel results on robust finite-time passivity for discrete-time delayed neural networks. <i>Neurocomputing</i> , <b>2016</b> , 177, 585-593	5.4	29
58	New robust exponential stability results for discrete-time switched fuzzy neural networks with time delays. <i>Computers and Mathematics With Applications</i> , <b>2012</b> , 64, 2926-2938	2.7	28
57	Design of a passification controller for uncertain fuzzy Hopfield neural networks with time-varying delays. <i>Physica Scripta</i> , <b>2011</b> , 84, 045024	2.6	28
56	Robust reliable sampled-data $H_{\infty}$ control for uncertain stochastic systems with random delay. <i>Complexity</i> , <b>2015</b> , 21, 42-58	1.6	27
55	Robust stabilization and $H_{\infty}$ control for discrete-time stochastic genetic regulatory networks with time delays. <i>Canadian Journal of Physics</i> , <b>2012</b> , 90, 939-953	1.1	27
54	Robust passivity based resilient control for networked control systems with random gain fluctuations. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 426-444	3.6	25
53	New robust passivity criteria for discrete-time genetic regulatory networks with Markovian jumping parameters. <i>Canadian Journal of Physics</i> , <b>2012</b> , 90, 107-118	1.1	25
52	Finite-time stability of fractional-order stochastic singular systems with time delay and white noise. <i>Complexity</i> , <b>2016</b> , 21, 370-379	1.6	25
51	$H_{\infty}$ filtering for impulsive networked control systems with random packet dropouts and randomly occurring nonlinearities. <i>International Journal of Robust and Nonlinear Control</i> , <b>2015</b> , 25, 1767-1782	3.6	24
50	Robust reliable sampled-data control for switched systems with application to flight control. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 3518-3528	2.3	24
49	Robust energy-to-peak filtering for discrete-time nonlinear systems with measurement quantization. <i>Signal Processing</i> , <b>2017</b> , 139, 102-109	4.4	22
48	Robust Reliable Control for Uncertain Vehicle Suspension Systems With Input Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	22
47	Robust reliable control design for networked control system with sampling communication. <i>International Journal of Control</i> , <b>2015</b> , 88, 2510-2522	1.5	21

46	Robust reliable $H_{\infty}$ control for stochastic neural networks with randomly occurring delays. <i>Neurocomputing</i> , <b>2015</b> , 149, 1524-1534	5.4	21
45	Observer-based control for switched networked control systems with missing data. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2015</b> , 6, 677-686	3.8	20
44	Robust exponential stability and $H_{\infty}$ control for switched neutral-type neural networks. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2014</b> , 28, 429-443	2.8	20
43	State estimation for switched discrete-time stochastic BAM neural networks with time varying delay. <i>Nonlinear Dynamics</i> , <b>2013</b> , 73, 1565-1585	5	18
42	Dissipative sampled-data controller design for singular networked cascade control systems. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 3386-3406	4	18
41	New Passivity Criteria for Fuzzy Bam Neural Networks with Markovian Jumping Parameters and Time-Varying Delays. <i>Reports on Mathematical Physics</i> , <b>2013</b> , 71, 69-91	0.8	15
40	Non-fragile Observer-Based ( $H_{\infty}$ ) Control for Discrete-Time Systems Using Passivity Theory. <i>Circuits, Systems, and Signal Processing</i> , <b>2015</b> , 34, 2499-2516	2.2	14
39	Robust reliable dissipative filtering for Markovian jump nonlinear systems with uncertainties. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2017</b> , 31, 39-53	2.8	12
38	New LMI-Based Passivity Criteria for Neutral-Type BAM Neural Networks with Randomly Occurring Uncertainties. <i>Reports on Mathematical Physics</i> , <b>2013</b> , 72, 263-286	0.8	12
37	Exponential state estimation for discrete-time switched genetic regulatory networks with random delays. <i>Canadian Journal of Physics</i> , <b>2014</b> , 92, 976-986	1.1	12
36	Reliable Robust Control Design for Uncertain Mechanical Systems. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2015</b> , 137,	1.6	11
35	Robust ( $L_2$ - $L_{\infty}$ ) Control for Uncertain Systems with Additive Delay Components. <i>Circuits, Systems, and Signal Processing</i> , <b>2015</b> , 34, 2819-2838	2.2	10
34	Second-order sliding mode control for nonlinear fractional-order systems. <i>Applied Mathematics and Computation</i> , <b>2020</b> , 383, 125264	2.7	10
33	Reliable ( $H_{\infty}$ ) Stabilization of Fuzzy Systems with Random Delay Via Nonlinear Retarded Control. <i>Circuits, Systems, and Signal Processing</i> , <b>2016</b> , 35, 1123-1145	2.2	9
32	Robust Reliable $H_{\infty}$ Control for Discrete-Time Systems with Actuator Delays. <i>Asian Journal of Control</i> , <b>2015</b> , 17, 2133-2142	1.7	9
31	Reliable gain-scheduled control design for networked control systems. <i>Complexity</i> , <b>2015</b> , 21, 214-228	1.6	9
30	Robust sampled-data control of uncertain switched neutral systems with probabilistic input delay. <i>Complexity</i> , <b>2016</b> , 21, 308-318	1.6	9
29	Robust state estimation for uncertain fuzzy bidirectional associative memory networks with time-varying delays. <i>Physica Scripta</i> , <b>2013</b> , 88, 035008	2.6	9

28	Robust Reliable Control for Neutral-Type Nonlinear Systems with Time-Varying Delays. <i>Reports on Mathematical Physics</i> , <b>2014</b> , 74, 181-203	0.8	8
27	Delay-dependent robust stabilization and $H_2$ control for neural networks with various activation functions. <i>Physica Scripta</i> , <b>2012</b> , 85, 045801	2.6	8
26	Robust sampled-data PI controller design for networked control systems. <i>Journal of the Franklin Institute</i> , <b>2016</b> , 353, 797-815	4	7
25	Fault-tolerant sampled-data mixed $H_2$ and passivity control of stochastic systems and its application. <i>Complexity</i> , <b>2016</b> , 21, 420-429	1.6	7
24	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> , <b>2017</b> , 139,	1.6	6
23	Robust Control for Fuzzy Nonlinear Uncertain Systems with Discrete and Distributed Time Delays. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 569-580	1.4	6
22	Design of a robust controller on stabilization of stochastic neural networks with time varying delays. <i>Physica Scripta</i> , <b>2012</b> , 85, 035003	2.6	6
21	Delay-dependent robust reliable control for uncertain switched neutral systems. <i>Complexity</i> , <b>2016</b> , 21, 224-237	1.6	5
20	Impulsive controller for wireless networked control system: Switched system approach. <i>Complexity</i> , <b>2016</b> , 21, 291-299	1.6	5
19	Finite-time dissipativity-based filter design for networked control systems. <i>International Journal of Adaptive Control and Signal Processing</i> , <b>2019</b> , 33, 1706-1721	2.8	5
18	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> , <b>2014</b> , 136,	1.6	5
17	Stabilization of Discrete-time Fuzzy Systems Via Delta Operators and its Application to Truck-Trailer Model. <i>Circuits, Systems, and Signal Processing</i> , <b>2016</b> , 35, 2373-2389	2.2	4
16	New results on robust sliding mode control for linear time-delay systems. <i>IMA Journal of Mathematical Control and Information</i> , <b>2021</b> , 38, 320-336	1.1	4
15	Reliable gain-scheduled control of discrete-time systems and its application to CSTR model. <i>International Journal of Systems Science</i> , <b>2016</b> , 47, 3447-3454	2.3	3
14	Robust Stochastic Stability of Discrete-Time Markovian Jump Neural Networks with Leakage Delay. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2014</b> , 69, 70-80	1.4	3
13	State estimation results for genetic regulatory networks with Lévy-type noise. <i>Chinese Journal of Physics</i> , <b>2020</b> , 68, 191-203	3.5	3
12	Robust State Feedback $H_2$ Control for Discrete-Time Fuzzy System With Random Delays. <i>Journal of Dynamic Systems, Measurement and Control, Transactions of the ASME</i> , <b>2017</b> , 139,	1.6	2
11	An improved delay-dependent criterion for stability of uncertain neutral systems with mixed time delays. <i>Lobachevskii Journal of Mathematics</i> , <b>2013</b> , 34, 36-44	0.9	2

10	Boundary stabilization and state estimation of ODE- transport PDE with in-domain coupling. <i>Journal of the Franklin Institute</i> , <b>2021</b> , 359, 1605-1605	4	2
9	Exponential stabilisation and dissipativity analysis of semilinear parabolic systems. <i>International Journal of Systems Science</i> , <b>2020</b> , 51, 2181-2191	2.3	2
8	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> , <b>2015</b> , dnv042	1.1	1
7	Fault Estimator for Parabolic Systems with Distributed Inputs and Outputs. <i>Studies in Systems, Decision and Control</i> , <b>2021</b> , 147-167	0.8	1
6	Observer-based finite-time dissipativity for parabolic systems with time-varying delays. <i>Applied Mathematics and Computation</i> , <b>2022</b> , 413, 126605	2.7	1
5	Observer and boundary output feedback control for coupled ODE-transport PDE. <i>Applied Mathematics and Computation</i> , <b>2022</b> , 426, 127096	2.7	0
4	Robust Passivity of Fuzzy Cohen-Grossberg Neural Networks with Time-Varying Delays. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 263-270	0.3	
3	Results on Boundary Control for Parabolic Systems Using Backstepping Method. <i>Mathematical Problems in Engineering</i> , <b>2022</b> , 2022, 1-13	1.1	
2	New Delay-Dependent Stability Criteria for Stochastic TS Fuzzy Systems with Time-Varying Delays. <i>Communications in Computer and Information Science</i> , <b>2011</b> , 27-34	0.3	
1	Robust Stabilization Results for TS Fuzzy Nonlinear Stochastic Systems with Discrete and Distributed Time Delays. <i>Communications in Computer and Information Science</i> , <b>2012</b> , 255-262	0.3	