Rajendran Samidurai

List of Publications by Year
in descending order

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Version: 2024-02-01

		201575	302012
58	1,738	27	39
papers	citations	h-index	g-index

58	58	58	922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Dissipativity analysis of delayed stochastic generalized neural networks with Markovian jump parameters. International Journal of Nonlinear Sciences and Numerical Simulation, 2022, 23, 661-684.	0.4	7
2	Leakage delay on stabilization of finite-time complex-valued BAM neural network: Decomposition approach. Neurocomputing, 2021, 463, 505-513.	3.5	16
3	Robust stability of uncertain stochastic complex-valued neural networks with additive time-varying delays. Mathematics and Computers in Simulation, 2020, 171, 207-220.	2.4	33
4	Global asymptotic stability of stochastic complex-valued neural networks with probabilistic time-varying delays. Mathematics and Computers in Simulation, 2020, 171, 103-118.	2.4	48
5	Stability and stabilization analysis of nonlinear time-delay systems with randomly occurring controller gain fluctuation. Mathematics and Computers in Simulation, 2020, 171, 36-51.	2.4	23
6	Design of Resilient Reliable Dissipativity Control for Systems With Actuator Faults and Probabilistic Time-Delay Signals via Sampled-Data Approach. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 4243-4255.	5.9	32
7	Stochastic Memristive Quaternion-Valued Neural Networks with Time Delays: An Analysis on Mean Square Exponential Input-to-State Stability. Mathematics, 2020, 8, 815.	1.1	43
8	Global Stability Analysis of Fractional-Order Quaternion-Valued Bidirectional Associative Memory Neural Networks. Mathematics, 2020, 8, 801.	1.1	62
9	An Extended Analysis on Robust Dissipativity of Uncertain Stochastic Generalized Neural Networks with Markovian Jumping Parameters. Symmetry, 2020, 12, 1035.	1.1	20
10	Discrete-Time Stochastic Quaternion-Valued Neural Networks with Time Delays: An Asymptotic Stability Analysis. Symmetry, 2020, 12, 936.	1.1	41
11	New Delay-Dependent Stability Criteria for Impulsive Neural Networks with Additive Time-Varying Delay Components and Leakage Term. Neural Processing Letters, 2019, 49, 761-785.	2.0	4
12	Stability and dissipativity analysis for uncertain Markovian jump systems with random delays via new approach. International Journal of Systems Science, 2019, 50, 1609-1625.	3.7	8
13	Global asymptotic stability analysis for neutral-type complex-valued neural networks with random time-varying delays. International Journal of Systems Science, 2019, 50, 1742-1756.	3.7	16
14	Non-fragile sampled-data stabilization analysis for linear systems with probabilistic time-varying delays. Journal of the Franklin Institute, 2019, 356, 4335-4357.	1.9	12
15	Leakage delay-dependent stability analysis for complex-valued neural networks with discrete and distributed time-varying delays. Neurocomputing, 2019, 338, 262-273.	3.5	46
16	Robust passivity analysis for uncertain neural networks with leakage delay and additive time-varying delays by using general activation function. Mathematics and Computers in Simulation, 2019, 155, 57-77.	2.4	61
17	Robust dissipativity analysis for uncertain neural networks with additive time-varying delays and general activation functions. Mathematics and Computers in Simulation, 2019, 155, 201-216.	2.4	19
18	Nonâ€Fragile Extended Dissipativity Control Design for Generalized Neural Networks with Interval Timeâ€Delay Signals. Asian Journal of Control, 2019, 21, 559-580.	1.9	20

#	Article	IF	Citations
19	Stability and Dissipativity Analysis for Neutral Type Stochastic Markovian Jump Static Neural Networks with Time Delays. Journal of Artificial Intelligence and Soft Computing Research, 2019, 9, 189-204.	3.5	29
20	Delay-dependent stability criteria for neutral-type neural networks with interval time-varying delay signals under the effects of leakage delay. Advances in Difference Equations, 2018, 2018, .	3.5	13
21	New Criteria for Stability of Generalized Neural Networks Including Markov Jump Parameters and Additive Time Delays. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 485-499.	5.9	77
22	Design of extended dissipativity state estimation for generalized neural networks with mixed time-varying delay signals. Information Sciences, 2018, 424, 175-203.	4.0	75
23	Nonfragile stabilization for uncertain system with interval timeâ€varying delays via a new double integral inequality. Mathematical Methods in the Applied Sciences, 2018, 41, 6272-6287.	1.2	13
24	Effects of leakage delay on global asymptotic stability of complexâ€valued neural networks with interval timeâ€varying delays via new complexâ€valued Jensen's inequality. International Journal of Adaptive Control and Signal Processing, 2018, 32, 1294-1312.	2.3	20
25	Stability analysis of interval time-varying delayed neural networks including neutral time-delay and leakage delay. Chaos, Solitons and Fractals, 2018, 114, 433-445.	2.5	36
26	Non-fragile mixed H and passivity control for neural networks with successive time-varying delay components. Nonlinear Analysis: Modelling and Control, 2018, 23, 159-181.	1.1	5
27	An improved delay-partitioning approach to stability criteria for generalized neural networks with interval time-varying delays. Neural Computing and Applications, 2017, 28, 3353-3369.	3.2	16
28	Delay-partitioning approach to stability analysis of state estimation for neutral-type neural networks with both time-varying delays and leakage term via sampled-data control. International Journal of Systems Science, 2017, 48, 1752-1765.	3.7	10
29	Effects of leakage delays and impulsive control in dissipativity analysis of Takagiâ€“Sugeno fuzzy neural networks with randomly occurring uncertainties. Journal of the Franklin Institute, 2017, 354, 3574-3593.	1.9	18
30	Exponential stability and extended dissipativity criteria for generalized neural networks with interval time-varying delay signals. Journal of the Franklin Institute, 2017, 354, 4353-4376.	1.9	44
31	Global exponential stability and dissipativity of generalized neural networks with time-varying delay signals. Neural Networks, 2017, 87, 149-159.	3.3	64
32	Stability analysis of uncertain neutral systems with discrete and distributed delays via the delay partition approach. International Journal of Control, Automation and Systems, 2017, 15, 2149-2160.	1.6	9
33	Further improved results on stability and dissipativity analysis of static impulsive neural networks with interval time-varying delays. Journal of the Franklin Institute, 2017, 354, 6312-6340.	1.9	42
34	Novel results on stability analysis of neutral-type neural networks with additive time-varying delay components and leakage delay. International Journal of Control, Automation and Systems, 2017, 15, 1888-1900.	1.6	37
35	Finite-time non-fragile passivity control for neural networks with time-varying delay. Applied Mathematics and Computation, 2017, 297, 145-158.	1.4	78
36	Improved Results on Delay-Dependent $$H_infty $$ H âˆž Control for Uncertain Systems with Time-Varying Delays. Circuits, Systems, and Signal Processing, 2017, 36, 1836-1859.	1.2	4

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37	Delay-dependent asymptotic stability criteria for genetic regulatory networks with impulsive perturbations. Neurocomputing, 2016, 214, 981-990.	3.5	27
38	New delay-interval-dependent stability criteria for switched Hopfield neural networks of neutral type with successive time-varying delay components. Cognitive Neurodynamics, 2016, 10, 543-562.	2.3	22
39	Delay-interval-dependent passivity analysis of stochastic neural networks with Markovian jumping parameters and time delay in the leakage term. Nonlinear Analysis: Hybrid Systems, 2016, 22, 262-275.	2.1	22
40	New delay-interval-dependent stability criteria for static neural networks with time-varying delays. Neurocomputing, 2016, 186, 1-7.	3.5	20
41	Delay-range-dependent passivity analysis for uncertain stochastic neural networks with discrete and distributed time-varying delays. Neurocomputing, 2016, 185, 191-201.	3.5	27
42	Robust passivity analysis for neutral-type neural networks with mixed and leakage delays. Neurocomputing, 2016, 175, 635-643.	3.5	18
43	Exponential passivity analysis of stochastic neural networks with leakage, distributed delays and Markovian jumping parameters. Neurocomputing, 2016, 175, 401-410.	3.5	32
44	New delay-interval-dependent stability analysis of neutral type BAM neural networks with successive time delay components. Neurocomputing, 2016, 171, 1265-1280.	3.5	19
45	Robust passivity analysis for stochastic impulsive neural networks with leakage and additive time-varying delay components. Applied Mathematics and Computation, 2015, 268, 743-762.	1.4	20
46	Improved stability analysis of uncertain neutral type neural networks with leakage delays and impulsive effects. Applied Mathematics and Computation, 2015, 266, 1050-1069.	1.4	49
47	Improved stochastic dissipativity of uncertain discrete-time neural networks with multiple delays and impulses. International Journal of Machine Learning and Cybernetics, 2015, 6, 289-305.	2.3	13
48	Passivity analysis for uncertain discrete-time stochastic BAM neural networks with time-varying delays. Neural Computing and Applications, 2014, 25, 751-766.	3.2	22
49	Dynamic analysis of discrete-time BAM neural networks with stochastic perturbations and impulses. International Journal of Machine Learning and Cybernetics, 2014, 5, 39-50.	2.3	12
50	Exponential stability for stochastic delayed recurrent neural networks with mixed time-varying delays and impulses: the continuous-time case. Physica Scripta, 2013, 87, 055802.	1.2	8
51	Dissipativity of discrete-time BAM stochastic neural networks with Markovian switching and impulses. Journal of the Franklin Institute, 2013, 350, 3217-3247.	1.9	40
52	New delay dependent robust asymptotic stability for uncertain stochastic recurrent neural networks with multiple time varying delays. Journal of the Franklin Institute, 2012, 349, 2108-2123.	1.9	36
53	Asymptotic Stability of Stochastic Delayed Recurrent Neural Networks with Impulsive Effects. Journal of Optimization Theory and Applications, 2010, 147, 583-596.	0.8	49
54	Global exponential stability of neutral-type impulsive neural networks with discrete and distributed delays. Nonlinear Analysis: Hybrid Systems, 2010, 4, 103-112.	2.1	54

#	Article	IF	Citations
55	New exponential stability criteria for stochastic BAM neural networks with impulses. Physica Scripta, 2010, 82, 045802.	1.2	36
56	EXPONENTIAL STABILITY FOR STOCHASTIC NEURAL NETWORKS OF NEUTRAL TYPE WITH IMPULSIVE EFFECTS. Modern Physics Letters B, 2010, 24, 1099-1110.	1.0	45
57	Global asymptotic stability of BAM neural networks with mixed delays and impulses. Applied Mathematics and Computation, 2009, 212, 113-119.	1.4	63
58	An investigation on the approximate controllability of impulsive neutral delay differential inclusions of second order. Mathematical Methods in the Applied Sciences, 0, , .	1.2	3