R Raja

List of Publications by Year
in descending order

67 **papers**	1,749 **citations**
257450 24 **h-index**	302126 39 **g-index**
67 **all docs**	67 **docs citations**
67 **times ranked**	874 **citing authors**

#	Article	IF	Citations
1	Application of Caputoâ€"Fabrizio operator to suppress the Aedes Aegypti mosquitoes via Wolbachia: An LMI approach. Mathematics and Computers in Simulation, 2022, 201, 462-485.	4.4	5
2	New results on exponential input-to-state stability analysis of memristor based complex-valued inertial neural networks with proportional and distributed delays. Mathematics and Computers in Simulation, 2022, 201, 440-461.	4.4	17
3	Further results on asymptotic and finite-time stability analysis of fractional-order time-delayed genetic regulatory networks. Neurocomputing, 2022, 475, 26-37.	5.9	23
4	A Robust Non-Fragile Control Lag Synchronization for Fractional Order Multi-Weighted Complex Dynamic Networks with Coupling Delays. Neural Processing Letters, 2022, 54, 2919-2940.	3.2	5
5	Exponential Synchronization of Nonlinear Multi-weighted Complex Dynamic Networks with Hybrid Time Varying Delays. Neural Processing Letters, 2021, 53, 1035-1063.	3.2	17
6	Global exponential stability analysis of anti-periodic of discontinuous BAM neural networks with time-varying delays. Journal of Physics: Conference Series, 2021, 1850, 012098.	0.4	2
7	Existence, Uniqueness, and Exponential Stability of Uncertain Delayed Neural Networks with Inertial Term: Nonreduced Order Case. Mathematical Problems in Engineering, 2021, 2021, 1-15.	1.1	3
8	A Lyapunovâ€"Krasovskii Functional Approach to Stability and Linear Feedback Synchronization Control for Nonlinear Multi-Agent Systems with Mixed Time Delays. Mathematical Problems in Engineering, 2021, 2021, 1-20.	1.1	5
9	Fault-tolerant control for delayed interval type-2 fuzzy systems with nonlinear fault input. Journal of Physics: Conference Series, 2021, 1850, 012070.	0.4	0
10	Modified projective synchronization of distributive fractional order complex dynamic networks with model uncertainty via adaptive control. Chaos, Solitons and Fractals, 2021, 147, 110853.	5.1	26
11	Delay-dependent passivity analysis of nondeterministic genetic regulatory networks with leakage and distributed delays against impulsive perturbations. Advances in Difference Equations, 2021, 2021, .	3.5	2
12	Analysis of CMOS 0.18Âµm UWB low noise amplifier for wireless application. Microsystem Technologies, 2020, 26, 3243-3257.	2.0	2
13	Quasi-pinning synchronization and stabilization of fractional order BAM neural networks with delays and discontinuous neuron activations. Chaos, Solitons and Fractals, 2020, 131, 109491.	5.1	46
14	Impulsive effects on stability and passivity analysis of memristor-based fractional-order competitive neural networks. Neurocomputing, 2020, 417, 290-301.	5.9	118
15	Finite-time synchronization criterion of graph theory perspective fractional-order coupled discontinuous neural networks. Advances in Difference Equations, 2020, 2020, .	3.5	27
16	Multi-weighted Complex Structure on Fractional Order Coupled Neural Networks with Linear Coupling Delay: A Robust Synchronization Problem. Neural Processing Letters, 2020, 51, 2453-2479.	3.2	20
17	Impulsive effects on competitive neural networks with mixed delays: Existence and exponential stability analysis. Mathematics and Computers in Simulation, 2019, 155, 290-302.	4.4	22
18	Extended dissipative analysis for aircraft flight control systems with random nonlinear actuator fault via non-fragile sampled-data control. Journal of the Franklin Institute, 2019, 356, 8610-8624.	3.4	14

#	Article	IF	Citations
19	Stability and pinning synchronization analysis of fractional order delayed Cohen–Grossberg neural networks with discontinuous activations. Applied Mathematics and Computation, 2019, 359, 241-260.	2.2	40
20	Mittag–Leffler state estimator design and synchronization analysis for fractional-order BAM neural networks with time delays. International Journal of Adaptive Control and Signal Processing, 2019, 33, 855-874.	4.1	32
21	Stability and synchronization criteria for fractional order competitive neural networks with time delays: An asymptotic expansion of Mittag Leffler function. Journal of the Franklin Institute, 2019, 356, 2212-2239.	3.4	77
22	Further mean-square asymptotic stability of impulsive discrete-time stochastic BAM neural networks with Markovian jumping and multiple time-varying delays. Journal of the Franklin Institute, 2019, 356, 561-591.	3.4	63
23	Fractional delay segments method on time-delayed recurrent neural networks with impulsive and stochastic effects: An exponential stability approach. Neurocomputing, 2019, 323, 277-298.	5.9	19
24	A low power fully differential RF receiver front-end for 2.4ÂGHz wireless sensor networks. Microsystem Technologies, 2019, 25, 1809-1822.	2.0	1
25	Dissipative analysis for aircraft flight control systems with randomly occurring uncertainties via non-fragile sampled-data control. Mathematics and Computers in Simulation, 2019, 155, 217-226.	4.4	18
26	Impulsive discrete-time GRNs with probabilistic time delays, distributed and leakage delays: an asymptotic stability issue. IMA Journal of Mathematical Control and Information, 2019, 36, 79-100.	1.7	12
27	Stabilization of Switched Stochastic Genetic Regulatory Networks with Leakage and Impulsive Effects. Neural Processing Letters, 2019, 49, 593-610.	3.2	23
28	A perspective on graph theory-based stability analysis of impulsive stochastic recurrent neural networks with time-varying delays. Advances in Difference Equations, 2019, 2019, .	3.5	26
29	Discrete-time stochastic impulsive BAM neural networks with leakage and mixed time delays: An exponential stability problem. Journal of the Franklin Institute, 2018, 355, 4404-4435.	3.4	31
30	Robust generalized Mittag-Leffler synchronization of fractional order neural networks with discontinuous activation and impulses. Neural Networks, 2018, 103, 128-141.	5.9	60
31	LMI-based results on exponential stability of BAM-type neural networks with leakage and both time-varying delays: A non-fragile state estimation approach. Applied Mathematics and Computation, 2018, 326, 33-55.	2.2	36
32	A state estimation H_∞ issue for discrete-time stochastic impulsive genetic regulatory networks in the presence of leakage, multiple delays and Markovian jumping parameters. Journal of the Franklin Institute, 2018, 355, 2735-2761.	3.4	23
33	Impulsive discrete-time BAM neural networks with random parameter uncertainties and time-varying leakage delays: an asymptotic stability analysis. Nonlinear Dynamics, 2018, 91, 2571-2592.	5.2	13
34	Approximation of state variables for discrete-time stochastic genetic regulatory networks with leakage, distributed, and probabilistic measurement delays: a robust stability problem. Advances in Difference Equations, 2018, 2018, 123.	3.5	14
35	Novel global robust exponential stability criterion for uncertain inertial-type BAM neural networks with discrete and distributed time-varying delays via Lagrange sense. Journal of the Franklin Institute, 2018, 355, 4727-4754.	3.4	62
36	Global exponential stability of antiperiodic solutions for impulsive discrete-time Markovian jumping stochastic BAM neural networks with additive time-varying delays and leakage delay. International Journal of Adaptive Control and Signal Processing, 2018, 32, 908-936.	4.1	9

#	Article	IF	Citations
37	Impulsive Cohen–Grossberg BAM neural networks with mixed time-delays: An exponential stability analysis issue. Neurocomputing, 2018, 275, 2588-2602.	5.9	61
38	Robust finite-time non-fragile sampled-data control for T-S fuzzy flexible spacecraft model with stochastic actuator faults. Applied Mathematics and Computation, 2018, 321, 483-497.	2.2	57
39	Novel results on passivity and exponential passivity for multiple discrete delayed neutral-type neural networks with leakage and distributed time-delays. Chaos, Solitons and Fractals, 2018, 115, 268-282.	5.1	33
40	Global exponential stability of Markovian jumping stochastic impulsive uncertain BAM neural networks with leakage, mixed time delays, and α-inverse Hölder activation functions. Advances in Difference Equations, 2018, 2018, 113.	3.5	17
41	Further synchronization in finite time analysis for time-varying delayed fractional order memristive competitive neural networks with leakage delay. Neurocomputing, 2018, 317, 110-126.	5.9	73
42	Effects of leakage delays and impulsive control in dissipativity analysis of Takagi–Sugeno fuzzy neural networks with randomly occurring uncertainties. Journal of the Franklin Institute, 2017, 354, 3574-3593.	3.4	18
43	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.	2.7	9
44	A class-E power amplifier with high efficiency and high power-gain for wireless sensor network. Microsystem Technologies, 2017, 23, 4179-4193.	2.0	3
45	Enhanced robust finite-time passivity for Markovian jumping discrete-time BAM neural networks with leakage delay. Advances in Difference Equations, 2017, 2017, 318.	3.5	36
46	Delay-dependent asymptotic stability criteria for genetic regulatory networks with impulsive perturbations. Neurocomputing, 2016, 214, 981-990.	5.9	27
47	New global asymptotic stability of discrete-time recurrent neural networks with multiple time-varying delays in the leakage term and impulsive effects. Neurocomputing, 2016, 214, 420-429.	5.9	22
48	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.	3.5	22
49	New delay-interval-dependent stability criteria for static neural networks with time-varying delays. Neurocomputing, 2016, 186, 1-7.	5.9	20
50	Robust passivity analysis for neutral-type neural networks with mixed and leakage delays. Neurocomputing, 2016, 175, 635-643.	5.9	18
51	Exponential passivity analysis of stochastic neural networks with leakage, distributed delays and Markovian jumping parameters. Neurocomputing, 2016, 175, 401-410.	5.9	32
52	New delay-interval-dependent stability analysis of neutral type BAM neural networks with successive time delay components. Neurocomputing, 2016, 171, 1265-1280.	5.9	19
53	Improved stability analysis of uncertain neutral type neural networks with leakage delays and impulsive effects. Applied Mathematics and Computation, 2015, 266, 1050-1069.	2.2	49
54	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.	3.6	13

#	Article	IF	Citations
55	Passivity analysis for uncertain discrete-time stochastic BAM neural networks with time-varying delays. Neural Computing and Applications, 2014, 25, 751-766.	5.6	22
56	Dynamic analysis of discrete-time BAM neural networks with stochastic perturbations and impulses. International Journal of Machine Learning and Cybernetics, 2014, 5, 39-50.	3.6	12
57	Exponential stability for stochastic delayed recurrent neural networks with mixed time-varying delays and impulses: the continuous-time case. Physica Scripta, 2013, 87, 055802.	2.5	8
58	Dissipativity of discrete-time BAM stochastic neural networks with Markovian switching and impulses. Journal of the Franklin Institute, 2013, 350, 3217-3247.	3.4	40
59	Linear matrix inequality approach to stochastic stability of uncertain delayed BAM neural networks. IMA Journal of Applied Mathematics, 2013, 78, 1156-1178.	1.6	19
60	A 1.8V 2.4 GHz Folded-Switch Mixer for Direct Conversion Receiver. , 2013, , .		0
61	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.	3.4	36
62	Exponential Stability for Delayed Stochastic Bidirectional Associative Memory Neural Networks with Markovian Jumping and Impulses. Journal of Optimization Theory and Applications, 2011, 150, 166-187.	1.5	48
63	Global exponential stability of BAM neural networks with time-varying delays: The discrete-time case. Communications in Nonlinear Science and Numerical Simulation, 2011, 16, 613-622.	3.3	47
64	Exponential Stability for Discrete-Time Stochastic BAM Neural Networks with Discrete and Distributed Delays. , 2011, 2011, 1-23.		0
65	Stability analysis for discrete-time stochastic neural networks with mixed time delays and impulsive effects. Canadian Journal of Physics, 2010, 88, 885-898.	1.1	23
66	Asymptotic stability of delayed stochastic genetic regulatory networks with impulses. Physica Scripta, 2010, 82, 055009.	2.5	46
67	Robust nonâ€fragile Mittagâ€Leffler synchronization of fractional order nonâ€linear complex dynamical networks with constant and infinite distributed delays. Mathematical Methods in the Applied Sciences, 0, , .	2.3	6