

# Nallappan Gunasekaran

## List of Publications by Year in descending order

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67  
papers

1,242  
citations

430874

18  
h-index

454955

30  
g-index

69  
all docs

69  
docs citations

69  
times ranked

682  
citing authors

#	ARTICLE	IF	CITATIONS
1	New Global Asymptotic Robust Stability of Dynamical Delayed Neural Networks via Intervalized Interconnection Matrices. IEEE Transactions on Cybernetics, 2022, 52, 11794-11804.	9.5	18
2	Machine learning-based human-robot interaction in ITS. Information Processing and Management, 2022, 59, 102750.	8.6	23
3	Entropy analysis for ethylene glycol hybrid nanofluid flow with elastic deformation, radiation, non-uniform heat generation/absorption, and inclined Lorentz force effects. Case Studies in Thermal Engineering, 2022, 30, 101639.	5.7	22
4	Almost Sure Consensus of Multi-Agent Systems: An Intermittent Noise. IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 2897-2901.	3.0	12
5	Analytical Study on Sodium Alginate Based Hybrid Nanofluid Flow through a Shrinking/Stretching Sheet with Radiation, Heat Source and Inclined Lorentz Force Effects. Fractal and Fractional, 2022, 6, 68.	3.3	10
6	A Novel Discrete-Time Leslie-Gower Model with the Impact of Allee Effect in Predator Population. Complexity, 2022, 2022, 1-21.	1.6	11
7	Global Exponential Stability of Fractional Order Complex-Valued Neural Networks with Leakage Delay and Mixed Time Varying Delays. Fractal and Fractional, 2022, 6, 140.	3.3	9
8	Finite-time and sampled-data synchronization of complex dynamical networks subject to average dwell-time switching signal. Neural Networks, 2022, 149, 137-145.	5.9	28
9	A new upper bound for global asymptotic robust stability of BAM neural networks under multiple time-delays*. , 2022, , .		0
10	Dynamical Analysis of T&S Fuzzy Financial Systems: A Sampled-Data Control Approach. International Journal of Fuzzy Systems, 2022, 24, 1944-1957.	4.0	16
11	Identifying Partial Topological Structures of Stochastic Multi-Group Models with Multiple Dispersals via Graph-Theoretic Method. Fractal and Fractional, 2022, 6, 371.	3.3	14
12	Design of Stochastic Passivity and Passification for Delayed BAM Neural Networks with Markov Jump Parameters via Non-uniform Sampled-Data Control. Neural Processing Letters, 2021, 53, 391-404.	3.2	11
13	Dynamical Analysis and Sampled-Data Stabilization of Memristor-Based Chua's Circuits. IEEE Access, 2021, 9, 25648-25658.	4.2	12
14	A New Approach to Hyers-Ulam Stability of $r$ -Variable Quadratic Functional Equations. Journal of Function Spaces, 2021, 2021, 1-10.	0.9	5
15	Dynamical analysis of a delayed food chain model with additive Allee effect. Advances in Difference Equations, 2021, 2021, .	3.5	18
16	Generalized linear differential equation using Hyers-Ulam stability approach. AIMS Mathematics, 2021, 6, 1607-1623.	1.6	14
17	Extended Dissipativity and Non-Fragile Synchronization for Recurrent Neural Networks With Multiple Time-Varying Delays via Sampled-Data Control. IEEE Access, 2021, 9, 31454-31466.	4.2	25
18	Finite-time exponential synchronization of reaction-diffusion delayed complex-dynamical networks. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 1465-1477.	1.1	10

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19	Exponential sampled-data fuzzy stabilization of nonlinear systems and its application to basic buck converters. IET Control Theory and Applications, 2021, 15, 1157-1168.	2.1	11
20	Finite difference scheme for singularly perturbed reaction diffusion problem of partial delay differential equation with nonlocal boundary condition. Advances in Difference Equations, 2021, .	3.5	17
21	Comparative Study on Numerical Methods for Singularly Perturbed Advanced-Delay Differential Equations. Journal of Mathematics, 2021, 2021, 1-15.	1.0	10
22	Representing a Heterogeneous Pharmaceutical Knowledge-Graph with Textual Information. Frontiers in Research Metrics and Analytics, 2021, 6, 670206.	1.9	5
23	The dynamics of a Leslie type predator-prey model with fear and Allee effect. Advances in Difference Equations, 2021, 2021, .	3.5	14
24	Strict dissipativity synchronization for delayed static neural networks: An event-triggered scheme. Chaos, Solitons and Fractals, 2021, 150, 111212.	5.1	52
25	Unsteady mixed convection nonlinear radiative Casson nanofluid flow with convective boundary condition, heat source and inclined magnetic field effects. Journal of Applied Mathematics and Computational Mechanics, 2021, 20, 65-76.	0.7	3
26	Global Robust Stability Analysis for Hybrid BAM Neural Networks. , 2021, , .		3
27	passive non-fragile synchronisation of Markovian jump stochastic complex dynamical networks with time-varying delays. International Journal of Systems Science, 2021, 52, 1270-1283.	5.5	11
28	Existence results for coupled system of nonlinear differential equations and inclusions involving sequential derivatives of fractional order. AIMS Mathematics, 2021, 7, 723-755.	1.6	19
29	Novel results on global stability analysis for multiple time-delayed BAM neural networks under parameter uncertainties. Chaos, Solitons and Fractals, 2021, 152, 111441.	5.1	24
30	Event-Triggered $H_2$ Filtering for Network-Based Neutral Systems With Time-Varying Delays via T-S Fuzzy Approach. IEEE Access, 2021, 9, 145133-145147.	4.2	20
31	Sampled-data state-estimation of delayed complex-valued neural networks. International Journal of Systems Science, 2020, 51, 303-312.	5.5	21
32	Finite-Time $L_\infty$ Performance State Estimation of Recurrent Neural Networks with Sampled-Data Signals. Neural Processing Letters, 2020, 51, 1379-1392.	3.2	11
33	Global Stability Analysis of Neural Networks with Constant Time Delay via Frobenius Norm. Mathematical Problems in Engineering, 2020, 2020, 1-14.	1.1	5
34	The Fourier transform approach to Hyers-Ulam stability of differential equation of second order. Journal of Physics: Conference Series, 2020, 1597, 012027.	0.4	7
35	Novel Results on Global Robust Stability Analysis for Dynamical Delayed Neural Networks Under Parameter Uncertainties. IEEE Access, 2020, 8, 178108-178116.	4.2	17
36	Stability of an non-additive functional equation. Journal of Physics: Conference Series, 2020, 1597, 012042.	0.4	0

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37	Sampled-data synchronization of delayed multi-agent networks and its application to coupled circuit. Neurocomputing, 2020, 413, 499-511.	5.9	45
38	Nieâ€‘Tan fuzzy method of faultâ€‘tolerant wind energy conversion systems via sampledâ€‘data control. IET Control Theory and Applications, 2020, 14, 1516-1523.	2.1	18
39	Fractional Fourier transform and stability of fractional differential equation on Lizorkin space. Advances in Difference Equations, 2020, 2020, .	3.5	8
40	A study on fractional differential equations using the fractional Fourier transform. Advances in Difference Equations, 2020, 2020, .	3.5	10
41	Stability analysis for uncertain switched delayed complex-valued neural networks. Neurocomputing, 2019, 367, 198-206.	5.9	32
42	Stochastic sampledâ€‘data controller for Tâ€‘S fuzzy chaotic systems and its applications. IET Control Theory and Applications, 2019, 13, 1834-1843.	2.1	24
43	Robust Sampled-data Fuzzy Control for Nonlinear Systems and Its Applications: Free-Weight Matrix Method. IEEE Transactions on Fuzzy Systems, 2019, 27, 2130-2139.	9.8	55
44	Finite-time synchronization of sampled-data Tâ€‘S fuzzy complex dynamical networks subject to average dwell-time approach. Fuzzy Sets and Systems, 2019, 374, 40-59.	2.7	38
45	Sampled-Data State Estimation for Neural Networks with Additive Timeâ€‘Varying Delays. Acta Mathematica Scientia, 2019, 39, 195-213.	1.0	14
46	Exponential sampled-data control for Tâ€‘S fuzzy systems: application to Chua's circuit. International Journal of Systems Science, 2019, 50, 2979-2992.	5.5	19
47	Sampled-Data State Estimation of Neutral Type Neural Networks with Mixed Time-Varying Delays. Neural Processing Letters, 2019, 50, 357-378.	3.2	11
48	Dissipativity analysis of discrete-time Markovian jumping neural networks with time-varying delays. Journal of Difference Equations and Applications, 2018, 24, 859-871.	1.1	3
49	A study on $\langle b \rangle \tilde{\gamma}(Q, S, R) \cdot \tilde{\gamma} \otimes \langle /b \rangle$ -dissipative synchronisation of coupled reactionâ€‘diffusion neural networks with time-varying delays. International Journal of Systems Science, 2018, 49, 755-765.	5.5	11
50	Finite Time $\hat{H}_\infty$ Boundedness of Discrete-time Markovian Jump Neural Networks with Time-varying Delays. International Journal of Control, Automation and Systems, 2018, 16, 181-188.	2.7	14
51	Delay-dependent $\mathcal{H}_\infty$ $\hat{H}_\infty$ performance state estimation of static delayed neural networks using sampled-data control. Neural Computing and Applications, 2018, 30, 539-550.	5.6	14
52	Design of passivity and passification for delayed neural networks with Markovian jump parameters via non-uniform sampled-data control. Neural Computing and Applications, 2018, 30, 595-605.	5.6	11
53	Sampled-Data Stabilization for Fuzzy Genetic Regulatory Networks with Leakage Delays. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2018, 15, 271-285.	3.0	52
54	State estimation of static neural networks with interval time-varying delays and sampled-data control. Computational and Applied Mathematics, 2018, 37, 183-201.	1.3	13

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55	Non-fragile synchronisation of mixed delayed neural networks with randomly occurring controller gain fluctuations. International Journal of Systems Science, 2018, 49, 3354-3364.	5.5	12
56	Sampled-data state estimation of Markovian jump static neural networks with interval time-varying delays. Journal of Computational and Applied Mathematics, 2018, 343, 217-229.	2.0	11
57	Sampled-data filtering of Takagi-Sugeno fuzzy neural networks with interval time-varying delays. Fuzzy Sets and Systems, 2017, 316, 69-81.	2.7	70
58	State estimation of T-S fuzzy delayed neural networks with Markovian jumping parameters using sampled-data control. Fuzzy Sets and Systems, 2017, 306, 87-104.	2.7	126
59	Robust stability of hopfield delayed neural networks via an augmented L-K functional. Neurocomputing, 2017, 234, 198-204.	5.9	53
60	Finite-time $H_\infty$ boundedness of discrete-time neural networks normbounded disturbances with time-varying delay. International Journal of Control, Automation and Systems, 2017, 15, 2681-2689.	2.7	12
61	Design of sampled-data control for multiple-time delayed generalised neural networks based on delay-partitioning approach. International Journal of Systems Science, 2017, 48, 2794-2810.	5.5	12
62	Sampled-data state estimation for delayed Markovian jump neural networks based on passive theory. , 2016, , .		1
63	Non-Invasive Estimation of Hemoglobin in Blood Using Color Analysis. , 2006, , .		5
64	EFFECT OF FAT CONTENT AND TEMPERATURE ON DIELECTRIC PROPERTIES OF GROUND BEEF. Transactions of the American Society of Agricultural Engineers, 2005, 48, 673-680.	0.9	21
65	Neonatal effects of anesthesia for caesarean section. Indian Journal of Pediatrics, 1995, 62, 109-113.	0.8	6
66	Anesthesia for caesarean section and immediate neonatal outcome. Indian Journal of Pediatrics, 1995, 62, 219-223.	0.8	7
67	Study on bifurcation analysis and Takagi-Sugeno fuzzy sampled-data stabilization of permanent magnet synchronous motor systems. Mathematical Methods in the Applied Sciences, 0, , .	2.3	6