Sabri Arik

List of Publications by Year
in descending order

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99 papers	4,955 citations	87886 38 h-index	88628 70 g-index
102 all docs	102 docs citations	102 times ranked	1318 citing authors

#	Article	IF	Citations
1	On the global asymptotic stability of delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 571-574.	0.1	332
2	Stability analysis of delayed neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 1089-1092.	0.1	290
3	An analysis of global asymptotic stability of delayed cellular neural networks. IEEE Transactions on Neural Networks, 2002, 13, 1239-1242.	4.2	269
4	Global asymptotic stability of a larger class of neural networks with constant time delay. Physics Letters, Section A: General, Atomic and Solid State Physics, 2003, 311, 504-511.	2.1	249
5	An analysis of exponential stability of delayed neural networks with time varying delays. Neural Networks, 2004, 17, 1027-1031.	5.9	246
6	An improved global stability result for delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 1211-1214.	0.1	188
7	Equilibrium analysis of delayed CNNs. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 168-171.	0.1	172
8	Global robust stability of delayed neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2003, 50, 156-160.	0.1	164
9	Global stability analysis of Cohenâ€“Grossberg neural networks with time varying delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2005, 341, 410-421.	2.1	154
10	Global Asymptotic Stability Analysis of Bidirectional Associative Memory Neural Networks With Time Delays. IEEE Transactions on Neural Networks, 2005, 16, 580-586.	4.2	154
11	Global asymptotic stability of a class of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 568-571.	0.1	125
12	Global robust stability analysis of neural networks with multiple time delays. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2006, 53, 166-176.	0.1	117
13	Global asymptotic stability analysis of bidirectional associative memory neural networks with constant time delays. Neurocomputing, 2005, 68, 161-176.	5.9	108
14	Global robust stability analysis of neural networks with discrete time delays. Chaos, Solitons and Fractals, 2005, 26, 1407-1414.	5.1	86
15	New results for global stability of a class of neutral-type neural systems with time delays. Applied Mathematics and Computation, 2009, 210, 564-570.	2.2	84
16	An improved robust stability result for uncertain neural networks with multiple time delays. Neural Networks, 2014, 54, 1-10.	5.9	82
17	Delay-dependent stability criteria of uncertain Markovian jump neural networks with discrete interval and distributed time-varying delays. Neurocomputing, 2015, 158, 167-173.	5.9	80
18	New Criteria for Stability of Neutral-Type Neural Networks With Multiple Time Delays. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 1504-1513.	11.3	80

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19	Controller design for finite-time and fixed-time stabilization of fractional-order memristive complex-valued BAM neural networks with uncertain parameters and time-varying delays. Neural Networks, 2020, 130, 60-74.	5.9	76
20	New results for robust stability of dynamical neural networks with discrete time delays. Expert Systems With Applications, 2010, 37, 5925-5930.	7.6	75
21	Robust stability analysis of a class of neural networks with discrete time delays. Neural Networks, 2012, 29-30, 52-59.	5.9	74
22	New exponential stability results for delayed neural networks with time varying delays. Physica D: Nonlinear Phenomena, 2004, 191, 314-322.	2.8	72
23	Sampled-data filtering of Takagiâ€“Sugeno fuzzy neural networks with interval time-varying delays. Fuzzy Sets and Systems, 2017, 316, 69-81.	2.7	70
24	Global stability of a class of neural networks with time-varying delay. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 126-130.	2.2	69
25	Global stability analysis of neural networks with multiple time varying delays. IEEE Transactions on Automatic Control, 2005, 50, 1781-1785.	5.7	69
26	Resilient fault-tolerant anti-synchronization for stochastic delayed reactionâ€“diffusion neural networks with semi-Markov jump parameters. Neural Networks, 2020, 125, 194-204.	5.9	69
27	Global asymptotic stability of stochastic fuzzy cellular neural networks with multiple time-varying delays. Expert Systems With Applications, 2010, 37, 7737-7744.	7.6	67
28	Decentralized event-triggered synchronization of uncertain Markovian jumping neutral-type neural networks with mixed delays. Neural Networks, 2017, 86, 32-41.	5.9	66
29	A new upper bound for the norm of interval matrices with application to robust stability analysis of delayed neural networks. Neural Networks, 2013, 44, 64-71.	5.9	65
30	New Criteria for Global Robust Stability of Delayed Neural Networks With Norm-Bounded Uncertainties. IEEE Transactions on Neural Networks and Learning Systems, 2014, 25, 1045-1052.	11.3	60
31	A modified Lyapunov functional with application to stability of neutral-type neural networks with time delays. Journal of the Franklin Institute, 2019, 356, 276-291.	3.4	60
32	Global Robust Stability of Bidirectional Associative Memory Neural Networks With Multiple Time Delays. IEEE Transactions on Systems, Man, and Cybernetics, 2007, 37, 1375-1381.	5.0	49
33	Equilibrium and stability analysis of delayed neural networks under parameter uncertainties. Applied Mathematics and Computation, 2012, 218, 6716-6726.	2.2	49
34	On the global dissipativity of dynamical neural networks with time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 326, 126-132.	2.1	47
35	Equilibrium analysis of non-symmetric CNNs. International Journal of Circuit Theory and Applications, 1996, 24, 269-274.	2.0	46
36	A new robust stability criterion for dynamical neural networks with multiple time delays. Neurocomputing, 2013, 99, 290-297.	5.9	42

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37	An analysis of stability of neutral-type neural systems with constant time delays. Journal of the Franklin Institute, 2014, 351, 4949-4959.	3.4	42
38	Global asymptotic synchronization of impulsive fractional-order complex-valued memristor-based neural networks with time varying delays. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104869.	3.3	42
39	Global stability analysis of fractional-order fuzzy BAM neural networks with time delay and impulsive effects. Communications in Nonlinear Science and Numerical Simulation, 2019, 78, 104853.	3.3	42
40	Finite Time Stability Analysis of Fractional-Order Complex-Valued Memristive Neural Networks with Proportional Delays. Neural Processing Letters, 2020, 51, 407-426.	3.2	42
41	Further analysis of global robust stability of neural networks with multiple time delays. Journal of the Franklin Institute, 2012, 349, 813-825.	3.4	40
42	Robust synchronization of uncertain Markovian jump complex dynamical networks with time-varying delays and reactionâ€“diffusion terms via sampled-data control. Journal of the Franklin Institute, 2018, 355, 1192-1216.	3.4	37
43	Global asymptotic stability of hybrid bidirectional associative memory neural networks with time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 351, 85-91.	2.1	36
44	A comment on "Comments on 'Necessary and sufficient condition for absolute stability of neural networks'". IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 1998, 45, 595-596.	0.1	35
45	Novel<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0001.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mo>âˆž</mml:mo></mml:mrow></ estimation of static neural networks with interval time-varying delays via augmented Lyapunovâ€“Krasovskii functional. Neurocomputing, 2016, 171, 949-954.	5.9	33
46	Improved result on state estimation for complex dynamical networks with time varying delays and stochastic sampling via sampled-data control. Neural Networks, 2019, 114, 28-37.	5.9	30
47	A new sufficient condition for global robust stability of bidirectional associative memory neural networks with multiple time delays. Nonlinear Analysis: Real World Applications, 2009, 10, 3312-3320.	1.7	29
48	Event-triggered<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" display="inline" overflow="scroll"><mml:msub><mml:mrow><mml:mi>H</mml:mi></mml:mrow><mml:mrow><mml:mi>âˆž</mml:mi></mml:mrow></ for delayed neural networks via sampled-data. Neural Networks, 2017, 91, 11-21.	5.9	29
49	New results for global robust stability of bidirectional associative memory neural networks with multiple time delays. Chaos, Solitons and Fractals, 2009, 41, 2106-2114.	5.1	28
50	New robust stability results for bidirectional associative memory neural networks with multiple time delays. Applied Mathematics and Computation, 2012, 218, 11472-11482.	2.2	28
51	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
52	Novel results for global robust stability of delayed neural networks. Chaos, Solitons and Fractals, 2009, 39, 1604-1614.	5.1	26
53	A new condition for robust stability of uncertain neural networks with time delays. Neurocomputing, 2014, 128, 476-482.	5.9	24
54	New results for global stability of Cohenâ€“Grossberg neural networks with multiple time delays. Neurocomputing, 2008, 71, 3053-3063.	5.9	23

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55	Finite-time H â^ž state estimation for switched neural networks with time-varying delays. Neurocomputing, 2016, 207, 580-589.	5.9	23
56	An analysis of global robust stability of neural networks with discrete time delays. Physics Letters, Section A: General, Atomic and Solid State Physics, 2006, 359, 445-450.	2.1	22
57	Dynamical analysis of uncertain neural networks with multiple time delays. International Journal of Systems Science, 2016, 47, 730-739.	5.5	22
58	Passivity analysis of stochastic neural networks with leakage delay and Markovian jumping parameters. Neurocomputing, 2016, 218, 139-145.	5.9	20
59	A sufficient condition for absolute stability of a larger class of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2000, 47, 758-760.	0.1	19
60	An analysis of stability of uncertain neural networks with multiple time delays. Journal of the Franklin Institute, 2013, 350, 1808-1826.	3.4	19
61	New global robust stability condition for uncertain neural networks with time delays. Neurocomputing, 2014, 142, 267-274.	5.9	19
62	A note on the global stability of dynamical neural networks. IEEE Transactions on Circuits and Systems Part 1: Regular Papers, 2002, 49, 502-504.	0.1	17
63	Leader-Following Consensus of Non-linear Multi-agent Systems with Interval Time-Varying Delay via Impulsive Control. Neural Processing Letters, 2021, 53, 69-83.	3.2	16
64	New results for exponential stability of delayed cellular neural networks. IEEE Transactions on Circuits and Systems Part 2: Express Briefs, 2005, 52, 154-158.	2.2	15
65	MetrIntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents. Cognitive Systems Research, 2017, 45, 17-29.	2.7	12
66	Further analysis of stability of uncertain neural networks with multiple time delays. Advances in Difference Equations, 2014, 2014, .	3.5	7
67	An Analysis of Stability of a Class of Neutral-Type Neural Networks with Discrete Time Delays. Abstract and Applied Analysis, 2013, 2013, 1-9.	0.7	6
68	Finite-time Hâ^ž synchronization of semi-Markov jump Lurâ€™e systems. Modern Physics Letters B, 2021, 35, 2150168.	1.9	6
69	Novel criteria for robust stability of Cohen-Grossberg neural networks with multiple time delays. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 3189.	1.1	6
70	On-chip template training system and image processing applications using iterative annealing on ACE16k chip. Expert Systems With Applications, 2011, 38, 12900-12905.	7.6	5
71	ON THE EXISTENCE OF STABLE EQUILIBRIUM POINTS IN CELLULAR NEURAL NETWORKS. Journal of Circuits, Systems and Computers, 2003, 12, 461-471.	1.5	3
72	An improved global stability result for cellular neural networks with time delay. , 0, , .		2

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73	Implementation of a Moving Target Tracking Algorithm Using Eye-RIS Vision System on a Mobile Robot. Journal of Signal Processing Systems, 2011, 64, 447-455.	2.1	2
74	A Novel Criterion for Global Asymptotic Stability of Neutral-Type Neural Networks with Discrete Time Delays. Lecture Notes in Computer Science, 2018, , 353-360.	1.3	2
75	A Novel Lyapunov functional with application to stability analysis of neutral systems with nonlinear disturbances. Discrete and Continuous Dynamical Systems - Series S, 2021, 14, 1415-1428.	1.1	2
76	OutIntSys - A Novel Method for the Detection of the Most Intelligent Cooperative Multiagent Systems. Lecture Notes in Computer Science, 2017, , 31-40.	1.3	2
77	Edge detection algorithms implemented on Bi-i cellular vision system. , 2009, , .		1
78	Implementation of a new segmentation algorithm using the Eye-RIS CMOS vision system. , 2009, , .		1
79	Analysis of Nonlinear Dynamics of Neural Networks. Abstract and Applied Analysis, 2013, 2013, 1-1.	0.7	1
80	A Novel Osmosis-Inspired Algorithm for Multiobjective Optimization. Lecture Notes in Computer Science, 2017, , 80-88.	1.3	1
81	A New Criterion for Stability of Neutral-Type Neural Networks with Discrete Delays. , 2019, , .		1
82	New Results for Global Stability of Cohen-Grossberg Neural Networks with Discrete Time Delays. Lecture Notes in Computer Science, 2006, , 570-579.	1.3	1
83	Further results on the global asymptotic stability of neural networks. , 0, , .		0
84	Global Exponential Stability Analysis of Delayed Cellular Neural Networks. , 0, , .		0
85	On the Existence of Stable Equilibrium Points in Delayed Cellular Neural Networks. , 2006, , .		0
86	Global Convergence Analysis of Delayed Bidirectional Associative Memory Neural Networks. , 2006, , .		0
87	New Results for Global Robust Stability of Neural Networks with Time Delays. , 2007, , .		0
88	Global robust stability of bidirectional associative memory neural networks. , 2007, , .		0
89	Global Convergence Analysis of Dynamical Neural Networks with Multiple Time Delays. , 2007, , .		0
90	New sufficient criteria for global robust stability of neural networks with multiple time delays. , 2009, , .		0

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91	Implementation of on-chip training system for cellular neural networks using iterative annealing optimisation method. International Journal of Reasoning-based Intelligent Systems, 2010, 2, 251.	0.1	0
92	Implementation of a cellular neural networkâ€“based segmentation algorithm on the bio-inspired vision system. Journal of Electronic Imaging, 2011, 20, 013004.	0.9	0
93	Computational Neuroscience. Computational and Mathematical Methods in Medicine, 2014, 2014, 1-2.	1.3	0
94	A Novel Condition for Robust Stability of Delayed Neural Networks. Lecture Notes in Computer Science, 2015, , 273-280.	1.3	0
95	SI: ICONIP 2015: Neural networks: theory, design and applications. Neural Computing and Applications, 2018, 29, 339-340.	5.6	0
96	Editorial: Hybrid Intelligent Algorithms Based Learning, Optimization, and Application to Autonomic Control Systems. Frontiers in Neuroscience, 2019, 13, 1090.	2.8	0
97	Removing an Object from Video Sequence Algorithm Implemented on Analog CNN and DSP Microprocessors. Lecture Notes in Computer Science, 2010, , 575-580.	1.3	0
98	A New Robust Stability Result for Delayed Neural Networks. Lecture Notes in Computer Science, 2018, , 343-352.	1.3	0
99	A New Lyapunov Analysis of Robust Stability of Neural Networks withÂDiscrete Time Delays. Proceedings of the International Neural Networks Society, 2020, , 523-534.	0.6	0