Sabri Arik

List of Publications by Citations

86 papers	3,992 citations	35 h-index	62 g-index
102 ext. papers	4,562 ext. citations	4 avg, IF	6.42 L-index

#	Paper	IF	Citations
86	On the global asymptotic stability of delayed cellular neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2000**, 47, 571-574		265
85	Stability analysis of delayed neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2000**, 47, 1089-1092		239
84	An analysis of global asymptotic stability of delayed cellular neural networks. *IEEE Transactions on Neural Networks*, **2002**, 13, 1239-42		225
83	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	2.3	212
82	An analysis of exponential stability of delayed neural networks with time varying delays. *Neural Networks*, **2004**, 17, 1027-31	9.1	196
81	An improved global stability result for delayed cellular neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2002**, 49, 1211-1214		157
80	Equilibrium analysis of delayed CNNs. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **1998**, 45, 168-171		144
79	Global robust stability of delayed neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2003**, 50, 156-160		143
78	Global stability analysis of Cohen□Grossberg neural networks with time varying delays. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2005**, 341, 410-421	2.3	138
77	Global asymptotic stability analysis of bidirectional associative memory neural networks with time delays. *IEEE Transactions on Neural Networks*, **2005**, 16, 580-6		122
76	Global asymptotic stability of a class of dynamical neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2000**, 47, 568-571		102
75	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		95
74	Global asymptotic stability analysis of bidirectional associative memory neural networks with constant time delays. *Neurocomputing*, **2005**, 68, 161-176	5.4	89
73	Delay-dependent stability criteria of uncertain Markovian jump neural networks with discrete interval and distributed time-varying delays. *Neurocomputing*, **2015**, 158, 167-173	5.4	75
72	Global robust stability analysis of neural networks with discrete time delays. *Chaos, Solitons and Fractals*, **2005**, 26, 1407-1414	9.3	75
71	New results for global stability of a class of neutral-type neural systems with time delays. *Applied Mathematics and Computation*, **2009**, 210, 564-570	2.7	70
70	New exponential stability results for delayed neural networks with time varying delays. *Physica D: Nonlinear Phenomena*, **2004**, 191, 314-322	3.3	68

69	Robust stability analysis of a class of neural networks with discrete time delays. *Neural Networks*, **2012**, 29-30, 52-9	9.1	67
68	New results for robust stability of dynamical neural networks with discrete time delays. *Expert Systems With Applications*, **2010**, 37, 5925-5930	7.8	67
67	An improved robust stability result for uncertain neural networks with multiple time delays. *Neural Networks*, **2014**, 54, 1-10	9.1	66
66	Global asymptotic stability of stochastic fuzzy cellular neural networks with multiple time-varying delays. *Expert Systems With Applications*, **2010**, 37, 7737-7744	7.8	63
65	Global stability analysis of neural networks with multiple time varying delays. *IEEE Transactions on Automatic Control*, **2005**, 50, 1781-1785	5.9	61
64	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		57
63	Decentralized event-triggered synchronization of uncertain Markovian jumping neutral-type neural networks with mixed delays. *Neural Networks*, **2017**, 86, 32-41	9.1	54
62	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	9.1	54
61	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	10.3	52
60	Sampled-data filtering of Takagi–Sugeno fuzzy neural networks with interval time-varying delays. *Fuzzy Sets and Systems*, **2017**, 316, 69-81	3.7	51
59	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	4	50
58	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	10.3	47
57	Equilibrium and stability analysis of delayed neural networks under parameter uncertainties. *Applied Mathematics and Computation*, **2012**, 218, 6716-6726	2.7	46
56	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	2.3	42
55	Global robust stability of bidirectional associative memory neural networks with multiple time delays. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1375-81		40
54	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	9.1	37
53	A new robust stability criterion for dynamical neural networks with multiple time delays. *Neurocomputing*, **2013**, 99, 290-297	5.4	36
52	Further analysis of global robust stability of neural networks with multiple time delays. *Journal of the Franklin Institute*, **2012**, 349, 813-825	4	35

51	Resilient fault-tolerant anti-synchronization for stochastic delayed reaction-diffusion neural networks with semi-Markov jump parameters. *Neural Networks*, **2020**, 125, 194-204	9.1	34
50	Equilibrium analysis of non-symmetric CNNs. *International Journal of Circuit Theory and Applications*, **1996**, 24, 269-274	2	34
49	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	2.3	32
48	An analysis of stability of neutral-type neural systems with constant time delays. *Journal of the Franklin Institute*, **2014**, 351, 4949-4959	4	31
47	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		28
46	Novel H□state estimation of static neural networks with interval time-varying delays via augmented Lyapunov□Krasovskii functional. *Neurocomputing*, **2016**, 171, 949-954	5.4	27
45	Robust synchronization of uncertain Markovian jump complex dynamical networks with time-varying delays and reaction□diffusion terms via sampled-data control. *Journal of the Franklin Institute*, **2018**, 355, 1192-1216	4	26
44	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	2.1	25
43	New results for global robust stability of bidirectional associative memory neural networks with multiple time delays. *Chaos, Solitons and Fractals*, **2009**, 41, 2106-2114	9.3	25
42	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	3.7	24
41	New robust stability results for bidirectional associative memory neural networks with multiple time delays. *Applied Mathematics and Computation*, **2012**, 218, 11472-11482	2.7	23
40	Novel results for global robust stability of delayed neural networks. *Chaos, Solitons and Fractals*, **2009**, 39, 1604-1614	9.3	23
39	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	3.7	22
38	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	9.1	22
37	New results for global stability of Cohen□Grossberg neural networks with multiple time delays. *Neurocomputing*, **2008**, 71, 3053-3063	5.4	21
36	A new condition for robust stability of uncertain neural networks with time delays. *Neurocomputing* , **2014**, 128, 476-482	5.4	20
35	Dynamical analysis of uncertain neural networks with multiple time delays. *International Journal of Systems Science*, **2016**, 47, 730-739	2.3	19
34	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	2.3	19

33	Event-triggered H filtering for delayed neural networks via sampled-data. *Neural Networks*, **2017**, 91, 11-21	9.1	18
32	Finite Time Stability Analysis of Fractional-Order Complex-Valued Memristive Neural Networks with Proportional Delays. *Neural Processing Letters*, **2020**, 51, 407-426	2.4	18
31	An analysis of stability of uncertain neural networks with multiple time delays. *Journal of the Franklin Institute*, **2013**, 350, 1808-1826	4	17
30	Passivity analysis of stochastic neural networks with leakage delay and Markovian jumping parameters. *Neurocomputing*, **2016**, 218, 139-145	5.4	16
29	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		16
28	Finite-time H state estimation for switched neural networks with time-varying delays. *Neurocomputing*, **2016**, 207, 580-589	5.4	16
27	New global robust stability condition for uncertain neural networks with time delays. *Neurocomputing*, **2014**, 142, 267-274	5.4	15
26	New results for exponential stability of delayed cellular neural networks. *IEEE Transactions on Circuits and Systems Part 2: Express Briefs*, **2005**, 52, 154-158		14
25	A note on the global stability of dynamical neural networks. *IEEE Transactions on Circuits and Systems Part 1: Regular Papers*, **2002**, 49, 502-504		14
24	MetrIntMeas a novel metric for measuring the intelligence of a swarm of cooperating agents. *Cognitive Systems Research*, **2017**, 45, 17-29	4.8	10
23	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
22	Finite-time and sampled-data synchronization of complex dynamical networks subject to average dwell-time switching signal.. *Neural Networks*, **2022**, 149, 137-145	9.1	6
21	Further analysis of stability of uncertain neural networks with multiple time delays. *Advances in Difference Equations*, **2014**, 2014,	3.6	5
20	Leader-Following Consensus of Non-linear Multi-agent Systems with Interval Time-Varying Delay via Impulsive Control. *Neural Processing Letters*, **2021**, 53, 69-83	2.4	5
19	On-chip template training system and image processing applications using iterative annealing on ACE16k chip. *Expert Systems With Applications*, **2011**, 38, 12900-12905	7.8	3
18	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	1.4	2
17	ON THE EXISTENCE OF STABLE EQUILIBRIUM POINTS IN CELLULAR NEURAL NETWORKS. *Journal of Circuits, Systems and Computers*, **2003**, 12, 461-471	0.9	2
16	OutIntSys - A Novel Method for the Detection of the Most Intelligent Cooperative Multiagent Systems. *Lecture Notes in Computer Science*, **2017**, 31-40	0.9	2

15	A Novel Criterion for Global Asymptotic Stability of Neutral-Type Neural Networks with Discrete Time Delays. *Lecture Notes in Computer Science*, **2018**, 353-360	0.9	2
14	A Novel Osmosis-Inspired Algorithm for Multiobjective Optimization. *Lecture Notes in Computer Science*, **2017**, 80-88	0.9	1
13	Analysis of Nonlinear Dynamics of Neural Networks. *Abstract and Applied Analysis*, **2013**, 2013, 1-1	0.7	1
12	An improved global stability result for cellular neural networks with time delay		1
11	Cellular Neural Networks Template Training System Using Iterative Annealing Optimization Technique on ACE16k Chip. *Lecture Notes in Computer Science*, **2009**, 460-467	0.9	1
10	Next Generation Hybrid Intelligent Medical Diagnosis Systems. *Lecture Notes in Computer Science*, **2017**, 903-912	0.9	1
9	Finite-time H synchronization of semi-Markov jump Lur systems. *Modern Physics Letters B*, **2021**, 35, 2150168	1.6	1
8	New Results for Global Stability of Cohen-Grossberg Neural Networks with Discrete Time Delays. *Lecture Notes in Computer Science*, **2006**, 570-579	0.9	1
7	Novel criteria for robust stability of Cohen-Grossberg neural networks with multiple time delays. *Discrete and Continuous Dynamical Systems - Series S*, **2022**,	2.8	0
6	A Novel Condition for Robust Stability of Delayed Neural Networks. *Lecture Notes in Computer Science*, **2015**, 273-280	0.9	
5	Implementation of a cellular neural network based segmentation algorithm on the bio-inspired vision system. *Journal of Electronic Imaging*, **2011**, 20, 013004	0.7	
4	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	0.4	
3	A New Robust Stability Result for Delayed Neural Networks. *Lecture Notes in Computer Science*, **2018**, 343-352	0.9	
2	A New Lyapunov Analysis of Robust Stability of Neural Networks with Discrete Time Delays. *Proceedings of the International Neural Networks Society*, **2020**, 523-534	0.5	
1	Removing an Object from Video Sequence Algorithm Implemented on Analog CNN and DSP Microprocessors. *Lecture Notes in Computer Science*, **2010**, 575-580	0.9	