

Mauro Di Marco

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

54
papers

681
citations

15
h-index

24
g-index

69
ext. papers

822
ext. citations

4
avg, IF

4.35
L-index

#	Paper	IF	Citations
54	Collective circular motion of multi-vehicle systems. <i>Automatica</i> , 2008 , 44, 3025-3035	5.7	123
53	Convergence and Multistability of Nonsymmetric Cellular Neural Networks With Memristors. <i>IEEE Transactions on Cybernetics</i> , 2017 , 47, 2970-2983	10.2	51
52	Limit set dichotomy and multistability for a class of cooperative neural networks with delays. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2012 , 23, 1473-85	10.3	42
51	New Conditions for Global Asymptotic Stability of Memristor Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018 , 29, 1822-1834	10.3	38
50	Discontinuous Neural Networks for Finite-Time Solution of Time-Dependent Linear Equations. <i>IEEE Transactions on Cybernetics</i> , 2016 , 46, 2509-2520	10.2	35
49	Memristor standard cellular neural networks computing in the flux-charge domain. <i>Neural Networks</i> , 2017 , 93, 152-164	9.1	31
48	Necessary and sufficient condition for multistability of neural networks evolving on a closed hypercube. <i>Neural Networks</i> , 2014 , 54, 38-48	9.1	27
47	Lyapunov Method and Convergence of the Full-Range Model of CNNs. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2008 , 55, 3528-3541	3.9	25
46	Limit Set Dichotomy and Convergence of Cooperative Piecewise Linear Neural Networks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2011 , 58, 1052-1062	3.9	24
45	Complete stability of feedback CNNs with dynamic memristors and second-order cells. <i>International Journal of Circuit Theory and Applications</i> , 2016 , 44, 1959-1981	2	21
44	. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2012 , 59, 772-783	3.9	19
43	Global robust stability criteria for interval delayed full-range cellular neural networks. <i>IEEE Transactions on Neural Networks</i> , 2011 , 22, 666-71		18
42	Nonlinear Networks With Mem-Elements: Complex Dynamics via Flux-Charge Analysis Method. <i>IEEE Transactions on Cybernetics</i> , 2020 , 50, 4758-4771	10.2	16
41	Prediction of period doubling bifurcations in harmonically forced memristor circuits. <i>Nonlinear Dynamics</i> , 2019 , 96, 1169-1190	5	15
40	Instantaneous Rotation Speed Measurement System Based on Variable Reluctance Sensors for Torsional Vibration Monitoring. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2019 , 68, 2363-2373	5.7	15
39	Harmonic balance method to analyze bifurcations in memristor oscillatory circuits. <i>International Journal of Circuit Theory and Applications</i> , 2018 , 46, 66-83	2	13
38	Nonsmooth Neural Network for Convex Time-Dependent Constraint Satisfaction Problems. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2016 , 27, 295-307	10.3	13

37	HARMONIC BALANCE APPROACH TO PREDICT PERIOD-DOUBLING BIFURCATIONS IN NEARLY SYMMETRIC CNNs. <i>Journal of Circuits, Systems and Computers</i> , 2003 , 12, 435-459	0.9	13
36	LIMIT SET DICHOTOMY AND CONVERGENCE OF SEMIFLOWS DEFINED BY COOPERATIVE STANDARD CNNs. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2010 , 20, 3549-3563	2	12
35	On global exponential stability of standard and full-range CNNs. <i>International Journal of Circuit Theory and Applications</i> , 2008 , 36, 653-680	2	12
34	Stability of memristor neural networks with delays operating in the flux-charge domain. <i>Journal of the Franklin Institute</i> , 2018 , 355, 5135-5162	4	11
33	Robustness of convergence in finite time for linear programming neural networks. <i>International Journal of Circuit Theory and Applications</i> , 2006 , 34, 307-316	2	11
32	COMPLEX DYNAMICS IN NEARLY SYMMETRIC THREE-CELL CELLULAR NEURAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2002 , 12, 1357-1362	2	11
31	Physically Unclonable Functions Derived From Cellular Neural Networks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 3205-3214	3.9	10
30	FOURTH-ORDER NEARLY-SYMMETRIC CNNs EXHIBITING COMPLEX DYNAMICS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2005 , 15, 1579-1587	2	8
29	Convergent Dynamics of Nonreciprocal Differential Variational Inequalities Modeling Neural Networks. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2013 , 60, 3227-3238	3.9	7
28	Unfolding Nonlinear Dynamics in Analogue Systems With Mem-Elements. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021 , 68, 14-24	3.9	7
27	Control Design for Targeting Dynamics of Memristor Murali-Lakshmanan-Chua Circuit 2019 ,		5
26	Multistability of delayed neural networks with hard-limiter saturation nonlinearities. <i>Neurocomputing</i> , 2018 , 293, 41-54	5.4	4
25	Bjasiwicz inequality and exponential convergence of the full-range model of CNNs. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 409-419	2	4
24	InputOutput Characterization of the Dynamical Properties of Circuits with a Memelement. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2020 , 30, 2050110	2	4
23	Floquet multipliers of a metastable rotating wave in a ChuaYang ring network. <i>Journal of Mathematical Analysis and Applications</i> , 2016 , 434, 798-836	1.1	3
22	A study on semiflows generated by cooperative full-range CNNs. <i>International Journal of Circuit Theory and Applications</i> , 2012 , 40, 1191-1208	2	3
21	Further results on convergence of cooperative standard cellular neural networks 2011 ,		3
20	Targeting Multistable Dynamics in a Second-Order Memristor Circuit 2020 ,		3

19	Input design for controlling dynamics in a second-order memristive circuit 2020 ,		3
18	Memristor Circuits for Simulating Neuron Spiking and Burst Phenomena. <i>Frontiers in Neuroscience</i> , 2021 , 15, 681035	5.1	3
17	ON THE MARGIN OF COMPLETE STABILITY FOR A CLASS OF CELLULAR NEURAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2008 , 18, 1343-1361	2	2
16	A controlled Murali-Lakshmanan-Chua memristor circuit to mimic neuron dynamics 2019 ,		2
15	Set Membership Localization and Map Building for Mobile Robots 2006 , 289-308		2
14	2019 ,		1
13	Memristor Neural Networks for Linear and Quadratic Programming Problems. <i>IEEE Transactions on Cybernetics</i> , 2020 , PP,	10.2	1
12	Multiple metastable rotating waves and long transients in cooperative CNN rings 2013 ,		1
11	Comparison of convergence and stability properties for the state and output solutions of neural networks. <i>International Journal of Circuit Theory and Applications</i> , 2011 , 39, 751-774	2	1
10	A note on the dichotomy of limit sets for cooperative CNNs with delays 2010 ,		1
9	Extended LaSalle's Invariance Principle for Full-Range Cellular Neural Networks. <i>Eurasip Journal on Advances in Signal Processing</i> , 2009 , 2009,	1.9	1
8	GLOBAL CONSISTENCY OF DECISIONS AND CONVERGENCE OF COMPETITIVE CELLULAR NEURAL NETWORKS. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2007 , 17, 3127-3150	2	1
7	ON THE EFFECT OF NEURON ACTIVATION GAIN ON ROBUSTNESS OF COMPLETE STABILITY. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2004 , 14, 1807-1811	2	1
6	Transient Control in Targeting Multistable Dynamics of a Memristor Circuit 2021 ,		1
5	Circuits with a mem-element: invariant manifolds control via pulse programmed sources. <i>Nonlinear Dynamics</i> , 1	5	1
4	Path planning with uncertainty: A set membership approach. <i>International Journal of Adaptive Control and Signal Processing</i> , 2011 , 25, 273-287	2.8	
3	ROBUSTNESS OF COMPLETE STABILITY FOR 1-D CIRCULAR CNNs. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 2177-2190	2	
2	Oscillatory Circuits With a Real Non-Volatile Stanford Memristor Model. <i>IEEE Access</i> , 2022 , 10, 13650-13662		

- 1 Dynamic Analysis of Memristor Circuits via Input-Output Techniques **2022**, 21-52