

ÖsmaÄ°l Ä-ztÄœerk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2184644/publications.pdf>

Version: 2024-02-01

15
papers

204
citations

1307594

7
h-index

1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

195
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental realizations of the HR neuron model with programmable hardware and synchronization applications. <i>Nonlinear Dynamics</i> , 2012, 70, 2343-2358.	5.2	52
2	A novel method for producing pseudo random numbers from differential equation-based chaotic systems. <i>Nonlinear Dynamics</i> , 2015, 80, 1147-1157.	5.2	37
3	The investigation of chemical coupling in a HR neuron model with reconfigurable implementations. <i>Nonlinear Dynamics</i> , 2016, 86, 1841-1854.	5.2	31
4	Cycle Lengths and Correlation Properties of Finite Precision Chaotic Maps. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2014, 24, 1450107.	1.7	25
5	Multiple perspectives on the hardware implementations of biological neuron models and programmable design aspects. <i>Turkish Journal of Electrical Engineering and Computer Sciences</i> , 2016, 24, 1729-1746.	1.4	13
6	Digitally generating true orbits of binary shift chaotic maps and their conjugates. <i>Communications in Nonlinear Science and Numerical Simulation</i> , 2018, 62, 395-408.	3.3	11
7	Modeling, simulation, and implementation issues of CPGs for neuromorphic engineering applications. <i>Computer Applications in Engineering Education</i> , 2018, 26, 782-803.	3.4	11
8	Utilizing true periodic orbits in chaos-based cryptography. <i>Nonlinear Dynamics</i> , 2021, 103, 2805-2818.	5.2	7
9	A Comparative Study on Determining Nonlinear Function Parameters of the Izhikevich Neuron Model. <i>Journal of Circuits, Systems and Computers</i> , 2018, 27, 1850164.	1.5	5
10	Higher Dimensional Baker Map and its Digital Implementation With LSB-Extension Method. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019, 66, 4780-4792.	5.4	5
11	Implementation of Izhikevich neuron model with field programmable devices. , 2012, , .		3
12	On addressing the similarities between STDP concept and synaptic/memristive coupled neurons by realizing of the memristive synapse based HR neurons. <i>Engineering Science and Technology, an International Journal</i> , 2021, , .	3.2	2
13	A new pseudo random number generator based on Chebyshev maps and parameter switching. , 2018, , .		1
14	Analysis and experimental verification of a new chaotic system with hyperbolic/non-hyperbolic equilibria. <i>Chaos, Solitons and Fractals</i> , 2018, 117, 183-191.	5.1	1
15	Reconfigurable implementations of PWL-based multiscroll chaos generator. , 2013, , .		0