

Shyam Prasad Adhikari

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,398
citations

623734

14
h-index

610901

24
g-index

26
all docs

26
docs citations

26
times ranked

1242
citing authors

#	ARTICLE	IF	CITATIONS
1	Three Fingerprints of Memristor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3008-3021.	5.4	473
2	Memristor Bridge Synapse-Based Neural Network and Its Learning. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1426-1435.	11.3	312
3	A Circuit-Based Learning Architecture for Multilayer Neural Networks With Memristor Bridge Synapses. IEEE Transactions on Circuits and Systems I: Regular Papers, 2015, 62, 215-223.	5.4	129
4	Guided Soft Attention Network for Classification of Breast Cancer Histopathology Images. IEEE Transactions on Medical Imaging, 2020, 39, 1306-1315.	8.9	102
5	Composite Behavior of Multiple Memristor Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2688-2700.	5.4	61
6	Learning Semantic Graphics Using Convolutional Encoder-Decoder Network for Autonomous Weeding in Paddy. Frontiers in Plant Science, 2019, 10, 1404.	3.6	45
7	Deep Neural Network-Based System for Autonomous Navigation in Paddy Field. IEEE Access, 2020, 8, 71272-71278.	4.2	44
8	Memristive Imitation of Synaptic Transmission and Plasticity. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3458-3470.	11.3	41
9	Hybrid no-propagation learning for multilayer neural networks. Neurocomputing, 2018, 321, 28-35.	5.9	29
10	Global dynamics of Chua Corsage Memristor circuit family: fixed-point loci, Hopf bifurcation, and coexisting dynamic attractors. Nonlinear Dynamics, 2020, 99, 3169-3196.	5.2	22
11	Building cellular neural network templates with a hardware friendly learning algorithm. Neurocomputing, 2018, 312, 276-284.	5.9	21
12	A Circuit-Based Neural Network with Hybrid Learning of Backpropagation and Random Weight Change Algorithms. Sensors, 2017, 17, 16.	3.8	19
13	Memistor Is Not Memristor [Express Letters]. IEEE Circuits and Systems Magazine, 2012, 12, 75-78.	2.3	16
14	Exact Analysis and Physical Realization of the 6-Lobe Chua Corsage Memristor. Complexity, 2018, 2018, 1-21.	1.6	16
15	Accurate Natural Trail Detection Using a Combination of a Deep Neural Network and Dynamic Programming. Sensors, 2018, 18, 178.	3.8	13
16	Why Are Memristor and Memistor Different Devices?. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2611-2618.	5.4	12
17	HIGHLY ACCURATE DOUBLET GENERATOR FOR MEMRISTOR-BASED ANALOG MEMORY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250153.	1.7	10
18	On Learning With Nonlinear Memristor-Based Neural Network and its Replication. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 3906-3916.	5.4	10

#	ARTICLE	IF	CITATIONS
19	Excitatory and inhibitory actions of a memristor bridge synapse. Science China Information Sciences, 2018, 61, 1.	4.3	7
20	Precise Modeling of the Protective Effects of Quercetin against Mycotoxin via System Identification with Neural Networks. International Journal of Molecular Sciences, 2019, 20, 1725.	4.1	4
21	Distance Weighted Loss for Forest Trail Detection Using Semantic Line. Lecture Notes in Computer Science, 2020, , 302-311.	1.3	4
22	Boosting-Based On-Road Obstacle Sensing Using Discriminative Weak Classifiers. Sensors, 2011, 11, 4372-4384.	3.8	3
23	Memristance drift avoidance with charge bouncing for memristor-based nonvolatile memories. Journal of the Korean Physical Society, 2012, 61, 1418-1421.	0.7	3
24	Composite memristance of parallel and serial memristor circuits. , 2013, , .		1
25	Real Time On-Road Vehicle Detection with Low-Level Visual Features and Boosted Cascade of Haar-Like Features. Journal of Institute of Control, Robotics and Systems, 2011, 17, 17-21.	0.2	1
26	IMPLEMENTATION OF THE COMPLEX PROCESSING OF DYNAMIC PROGRAMMING WITH NONLINEAR TEMPLATES OF CELLULAR NEURAL NETWORKS. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2010, 20, 2109-2121.	1.7	0