

Shyam Prasad Adhikari

List of Publications by Year in descending order

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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	Guided Soft Attention Network for Classification of Breast Cancer Histopathology Images. IEEE Transactions on Medical Imaging, 2020, 39, 1306-1315.	8.9	102
2	Deep Neural Network-Based System for Autonomous Navigation in Paddy Field. IEEE Access, 2020, 8, 71272-71278.	4.2	44
3	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
4	Distance Weighted Loss for Forest Trail Detection Using Semantic Line. Lecture Notes in Computer Science, 2020, , 302-311.	1.3	4
5	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
6	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
7	Memristive Imitation of Synaptic Transmission and Plasticity. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 3458-3470.	11.3	41
8	Learning Semantic Graphics Using Convolutional Encoder-Decoder Network for Autonomous Weeding in Paddy. Frontiers in Plant Science, 2019, 10, 1404.	3.6	45
9	Excitatory and inhibitory actions of a memristor bridge synapse. Science China Information Sciences, 2018, 61, 1.	4.3	7
10	Exact Analysis and Physical Realization of the 6-Lobe Chua Corsage Memristor. Complexity, 2018, 2018, 1-21.	1.6	16
11	Hybrid no-propagation learning for multilayer neural networks. Neurocomputing, 2018, 321, 28-35.	5.9	29
12	Accurate Natural Trail Detection Using a Combination of a Deep Neural Network and Dynamic Programming. Sensors, 2018, 18, 178.	3.8	13
13	Building cellular neural network templates with a hardware friendly learning algorithm. Neurocomputing, 2018, 312, 276-284.	5.9	21
14	A Circuit-Based Neural Network with Hybrid Learning of Backpropagation and Random Weight Change Algorithms. Sensors, 2017, 17, 16.	3.8	19
15	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
16	Three Fingerprints of Memristor. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 3008-3021.	5.4	473
17	Composite Behavior of Multiple Memristor Circuits. IEEE Transactions on Circuits and Systems I: Regular Papers, 2013, 60, 2688-2700.	5.4	61
18	Composite memristance of parallel and serial memristor circuits. , 2013, , .		1

#	ARTICLE	IF	CITATIONS
19	Memistor Is Not Memristor [Express Letters]. IEEE Circuits and Systems Magazine, 2012, 12, 75-78.	2.3	16
20	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
21	Why Are Memristor and Memistor Different Devices?. IEEE Transactions on Circuits and Systems I: Regular Papers, 2012, 59, 2611-2618.	5.4	12
22	Memristor Bridge Synapse-Based Neural Network and Its Learning. IEEE Transactions on Neural Networks and Learning Systems, 2012, 23, 1426-1435.	11.3	312
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	Boosting-Based On-Road Obstacle Sensing Using Discriminative Weak Classifiers. Sensors, 2011, 11, 4372-4384.	3.8	3
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