Josafath Israel Espinosa Ramos

List of Publications by Year
in descending order

15 papers	204 citations	1684188 5 h-index	1474206 9 g-index
15 all docs	15 docs citations	15 times ranked	227 citing authors

#	Article	IF	Citations
1	Utilizing the Neuronal Behavior of Spiking Neurons to Recognize Music Signals Based on Time Coding Features. IEEE Access, 2022, 10, 37317-37329.	4.2	1
2	Incorporating Structural Plasticity Approaches in Spiking Neural Networks for EEG Modelling. IEEE Access, 2021, 9, 117338-117348.	4.2	4
3	Modelling gene interaction networks from time-series gene expression data using evolving spiking neural networks. Evolving Systems, 2020, 11, 599-613.	3.9	2
4	Pulsewidth Modulation-Based Algorithm for Spike Phase Encoding and Decoding of Time-Dependent Analog Data. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 3920-3931.	11.3	7
5	Application of a Brain-Inspired Spiking Neural Network Architecture to Odor Data Classification. Sensors, 2020, 20, 2756.	3.8	16
6	A Computational Model of Neuroreceptor-Dependent Plasticity (NRDP) Based on Spiking Neural Networks. IEEE Transactions on Cognitive and Developmental Systems, 2019, 11, 63-72.	3.8	6
7	Classification and regression of spatio-temporal signals using NeuCube and its realization on SpiNNaker neuromorphic hardware. Journal of Neural Engineering, 2019, 16, 026014.	3.5	29
8	From von Neumann Architecture and Atanasoffs ABC to Neuro-Morphic Computation and Kasabovâ€™s NeuCube: Principles and Implementations. Studies in Computational Intelligence, 2018, , 1-28.	0.9	0
9	From von Neumann Architecture and Atanasoffâ€™s ABC to Neuromorphic Computation and Kasabovâ€™s NeuCube. Part II: Applications. Studies in Systems, Decision and Control, 2018, , 17-36.	1.0	3
10	Evolving spatio-temporal data machines based on the NeuCube neuromorphic framework: Design methodology and selected applications. Neural Networks, 2016, 78, 1-14.	5.9	123
11	Modelling Absence Epilepsy seizure data in the NeuCube evolving spiking neural network architecture. , 2015, , .		4
12	Creation of spiking neuron models applied in pattern recognition problems. , 2013, , .		3
13	Spiking Neuron Model approximation using GEP. , 2013, , .		0
14	A new objective function to build seismic networks using differential evolution. , 2012, , .		3
15	Locating seismic-sense stations through genetic algorithm. , 2011, , .		3