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List of Publications by Year in descending order

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Version: 2024-02-01

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