

Ammar Belatreche

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,100
citations

567281

15
h-index

752698

20
g-index

24
all docs

24
docs citations

24
times ranked

913
citing authors

#	ARTICLE	IF	CITATIONS
1	A review of learning in biologically plausible spiking neural networks. <i>Neural Networks</i> , 2020, 122, 253-272.	5.9	199
2	Evaluating machine learning classification for financial trading: An empirical approach. <i>Expert Systems With Applications</i> , 2016, 54, 193-207.	7.6	112
3	Forecasting price movements using technical indicators: Investigating the impact of varying input window length. <i>Neurocomputing</i> , 2017, 264, 71-88.	5.9	99
4	An experimental evaluation of novelty detection methods. <i>Neurocomputing</i> , 2014, 135, 313-327.	5.9	96
5	An online supervised learning method for spiking neural networks with adaptive structure. <i>Neurocomputing</i> , 2014, 144, 526-536.	5.9	87
6	DL-ReSuMe: A Delay Learning-Based Remote Supervised Method for Spiking Neurons. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2015, 26, 3137-3149.	11.3	69
7	Forecasting movements of health-care stock prices based on different categories of news articles using multiple kernel learning. <i>Decision Support Systems</i> , 2016, 85, 74-83.	5.9	60
8	A Supervised Learning Algorithm for Learning Precise Timing of Multiple Spikes in Multilayer Spiking Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 5394-5407.	11.3	59
9	Rectified Linear Postsynaptic Potential Function for Backpropagation in Deep Spiking Neural Networks. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2022, 33, 1947-1958.	11.3	55
10	A Highly Effective and Robust Membrane Potential-Driven Supervised Learning Method for Spiking Neurons. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2019, 30, 123-137.	11.3	43
11	EMPD: An Efficient Membrane Potential Driven Supervised Learning Algorithm for Spiking Neurons. <i>IEEE Transactions on Cognitive and Developmental Systems</i> , 2018, 10, 151-162.	3.8	37
12	SpikeTemp: An Enhanced Rank-Order-Based Learning Approach for Spiking Neural Networks With Adaptive Structure. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2017, 28, 30-43.	11.3	36
13	Supervised learning in spiking neural networks with synaptic delay-weight plasticity. <i>Neurocomputing</i> , 2020, 409, 103-118.	5.9	36
14	Compensating for synaptic loss in Alzheimer's disease. <i>Journal of Computational Neuroscience</i> , 2014, 36, 19-37.	1.0	33
15	An Efficient Threshold-Driven Aggregate-Label Learning Algorithm for Multimodal Information Processing. <i>IEEE Journal on Selected Topics in Signal Processing</i> , 2020, 14, 592-602.	10.8	22
16	Echo state network-based feature extraction for efficient color image segmentation. <i>Concurrency Computation Practice and Experience</i> , 2020, 32, e5719.	2.2	11
17	Multi-DL-ReSuMe: Multiple neurons Delay Learning Remote Supervised Method. , 2015, , .		10
18	A Dendritic Cell Immune System Inspired Approach for Stock Market Manipulation Detection. , 2019, , .		8

#	ARTICLE	IF	CITATIONS
19	Detection of Stock Price Manipulation Using Kernel Based Principal Component Analysis and Multivariate Density Estimation. IEEE Access, 2020, 8, 135989-136003.	4.2	8
20	On Depth, Robustness and Performance Using the Data Re-Uploading Single-Qubit Classifier. IEEE Access, 2021, 9, 65127-65139.	4.2	7
21	Efficient Quantum Image Classification Using Single Qubit Encoding. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1472-1486.	11.3	6
22	Blood vessel segmentation in retinal images using echo state networks. , 2017, , .		3
23	Network on Chip Architecture for Multi-Agent Systems in FPGA. ACM Transactions on Reconfigurable Technology and Systems, 2017, 10, 1-22.	2.5	2
24	Stock Price Manipulation Detection based on Autoencoder Learning of Stock Trades Affinity. , 2020, , .		2