

Olga Krestinskaya

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1455608/olga-krestinskaya-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

412
citations

11
h-index

19
g-index

53
ext. papers

603
ext. citations

2.7
avg, IF

4.74
L-index

#	Paper	IF	Citations
39	Learning memristive spiking neurons and beyond 2021 , 517-528		
38	Analog circuit integration of backpropagation learning in memristive HTM architecture 2021 , 427-438		
37	Who is the Winner? Memristive-CMOS Hybrid Modules: CNN-LSTM Versus HTM. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020 , 14, 164-172	5.1	6
36	Recursive Threshold Logic-A Bioinspired Reconfigurable Dynamic Logic System With Crossbar Arrays. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2020 , 14, 1311-1322	5.1	3
35	Automating Analogue AI Chip Design with Genetic Search. <i>Advanced Intelligent Systems</i> , 2020 , 2, 2000076		5
34	Memristors: Properties, Models, Materials. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 13-40	0.6	4
33	HTM Theory. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 169-180	0.6	2
32	Learning Algorithms and Implementation. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 91-102	0.6	1
31	Memristive Deep Convolutional Neural Networks. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 131-137	0.6	1
30	Memristive Hierarchical Temporal Memory. <i>Modeling and Optimization in Science and Technologies</i> , 2020 , 181-194	0.6	
29	Neuromemristive Circuits for Edge Computing: A Review. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2020 , 31, 4-23	10.3	90
28	AMSNet: Analog Memristive System Architecture for Mean-Pooling with Dropout Convolutional Neural Network 2019 ,		1
27	Memristive Non-Idealities: Is there any Practical Implications for Designing Neural Network Chips? 2019 ,		14
26	AnalogHTM: Memristive Spatial Pooler Learning with Backpropagation 2019 ,		2
25	Variation-aware Binarized Memristive Networks 2019 ,		4
24	Learning in Memristive Neural Network Architectures Using Analog Backpropagation Circuits. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2019 , 66, 719-732	3.9	59
23	Hierarchical Temporal Memory Features with Memristor Logic Circuits for Pattern Recognition. <i>IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems</i> , 2018 , 37, 1143-1156	2.5	36

22	Bit-Plane Extracted Moving-Object Detection Using Memristive Crossbar-CAM Arrays for Edge Computing Image Devices. <i>IEEE Access</i> , 2018 , 6, 18954-18966	3.5	17
21	A memristor-based long short term memory circuit. <i>Analog Integrated Circuits and Signal Processing</i> , 2018 , 95, 467-472	1.2	36
20	On-chip face recognition system design with memristive Hierarchical Temporal Memory. <i>Journal of Intelligent and Fuzzy Systems</i> , 2018 , 34, 1393-1402	1.6	14
19	Feature extraction without learning in an analog spatial pooler memristive-CMOS circuit design of hierarchical temporal memory. <i>Analog Integrated Circuits and Signal Processing</i> , 2018 , 95, 457-465	1.2	13
18	Image Based HTM Word Recognizer for Language Processing 2018 ,		1
17	Real-Time Analog Pixel-to-Pixel Dynamic Frame Differencing with Memristive Sensing Circuits 2018 ,		1
16	Programmable Memristive Threshold Logic Gate Array 2018 ,		2
15	Wafer Quality Inspection using Memristive LSTM, ANN, DNN and HTM 2018 ,		4
14	Notice of Retraction: Variability Analysis of Memristor-based Sigmoid Function 2018 ,		2
13	Notice of Retraction: Design And Analysis Of CMOS-Memristive Cascode Current Mirror 2018 ,		1
12	Design of CMOS-memristor Circuits for LSTM architecture 2018 ,		11
11	Hierarchical Temporal Memory Using Memristor Networks: A Survey. <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , 2018 , 2, 380-395	4.1	22
10	Notice of Retraction: Perceptron Linear Activation Function Design with CMOS-Memristive Circuits 2018 ,		1
9	Notice of Retraction: Analysis of Multilayer Perceptron with Rectifier Linear Unit Activation Function 2018 ,		2
8	Introduction to Memristive HTM Circuits 2018 ,		9
7	Analog Backpropagation Learning Circuits for Memristive Crossbar Neural Networks 2018 ,		25
6	Design and implication of a rule based weight sparsity module in HTM spatial pooler 2017 ,		3
5	Neuromorphic Adaptive Edge-Preserving Denoising Filter 2017 ,		3

4	Unified Model for Contrast Enhancement and Denoising 2017 ,	3
3	Facial emotion recognition using min-max similarity classifier 2017 ,	9
2	Bioinspired memory model for HTM face recognition 2016 ,	2
1	Memristor load current mirror circuit 2015 ,	2