

Tara Julia Hamilton

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

1,422
citations

1162367

8
h-index

1281420

11
g-index

15
all docs

15
docs citations

15
times ranked

1775
citing authors

#	ARTICLE	IF	CITATIONS
1	Compact and Energy Efficient Neuron With Tunable Spiking Frequency in 22-nm FDSOI. IEEE Nanotechnology Magazine, 2022, 21, 189-195.	1.1	4
2	Efficient FPGA Implementations of Pair and Triplet-Based STDP for Neuromorphic Architectures. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1558-1570.	3.5	38
3	CAR-Lite: A Multi-Rate Cochlear Model on FPGA for Spike-Based Sound Encoding. IEEE Transactions on Circuits and Systems I: Regular Papers, 2019, 66, 1805-1817.	3.5	5
4	A FPGA Implementation of the CAR-FAC Cochlear Model. Frontiers in Neuroscience, 2018, 12, 198.	1.4	30
5	Neuromorphic Hardware Architecture Using the Neural Engineering Framework for Pattern Recognition. IEEE Transactions on Biomedical Circuits and Systems, 2017, 11, 574-584.	2.7	37
6	A Low Power Trainable Neuromorphic Integrated Circuit That Is Tolerant to Device Mismatch. IEEE Transactions on Circuits and Systems I: Regular Papers, 2016, 63, 211-221.	3.5	24
7	A neuromorphic hardware framework based on population coding. , 2015, , .		13
8	FPGA implementation of the CAR Model of the cochlea. , 2014, , .		21
9	Stochastic Electronics: A Neuro-Inspired Design Paradigm for Integrated Circuits. Proceedings of the IEEE, 2014, 102, 843-859.	16.4	59
10	Silicon Modeling of the Mihalas-Niebur Neuron. IEEE Transactions on Neural Networks, 2011, 22, 1915-1927.	4.8	25
11	A silicon model of the inner hair cell. , 2011, , .		1
12	Neuromorphic Silicon Neuron Circuits. Frontiers in Neuroscience, 2011, 5, 73.	1.4	1,004
13	Silicon Models of the Auditory Pathway. Springer Handbook of Auditory Research, 2010, , 261-276.	0.3	5
14	A CMOS switched capacitor implementation of the Mihalas-Niebur neuron. , 2009, , .		26
15	An Active 2-D Silicon Cochlea. IEEE Transactions on Biomedical Circuits and Systems, 2008, 2, 30-43.	2.7	130