Yansong Chua

List of Publications by Year
in descending order

11	227	1937685	1872680
papers	citations	4	6
		h-index	g-index

11	11	11	159
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rectified Linear Postsynaptic Potential Function for Backpropagation in Deep Spiking Neural Networks. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 1947-1958.	11.3	55
2	An Efficient and Perceptually Motivated Auditory Neural Encoding and Decoding Algorithm for Spiking Neural Networks. Frontiers in Neuroscience, 2020, 13, 1420.	2.8	21
3	Editorial: Spiking Neural Network Learning, Benchmarking, Programming and Executing. Frontiers in Neuroscience, 2020, 14, 276.	2.8	3
4	Deep Spiking Neural Network with Spike Count based Learning Rule. , 2019, , .		25
5	Classifying Neuromorphic Data Using a Deep Learning Framework for Image Classification. , 2018, , .		5
6	A Biologically Plausible Speech Recognition Framework Based on Spiking Neural Networks. , 2018, , .		29
7	A Spiking Neural Network Framework for Robust Sound Classification. Frontiers in Neuroscience, 2018, 12, 836.	2.8	69
8	An Event-Based Cochlear Filter Temporal Encoding Scheme for Speech Signals. , 2018, , .		11
9	Effects of Calcium Spikes in the Layer 5 Pyramidal Neuron on Coincidence Detection and Activity Propagation. Frontiers in Computational Neuroscience, 2016, 10, 76.	2.1	7
10	Modeling the calcium spike as a threshold triggered fixed waveform for synchronous inputs in the fluctuation regime. Frontiers in Computational Neuroscience, 2015, 9, 91.	2.1	2
11	Calcium current improves coincidence detection of the LIF model. BMC Neuroscience, 2014, 15, .	1.9	0