

# Yansong Chua

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3896105/publications.pdf>

Version: 2024-02-01

11  
papers

227  
citations

1937685

4  
h-index

1872680

6  
g-index

11  
all docs

11  
docs citations

11  
times ranked

159  
citing authors

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