

Ning Qiao

List of Publications by Year in descending order

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17
papers

1,226
citations

1306789

7
h-index

1473754

9
g-index

17
all docs

17
docs citations

17
times ranked

1147
citing authors

#	ARTICLE	IF	CITATIONS
1	A reconfigurable on-line learning spiking neuromorphic processor comprising 256 neurons and 128K synapses. <i>Frontiers in Neuroscience</i> , 2015, 9, 141.	1.4	496
2	A Scalable Multicore Architecture With Heterogeneous Memory Structures for Dynamic Neuromorphic Asynchronous Processors (DYNAPs). <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2018, 12, 106-122.	2.7	377
3	Large-Scale Neuromorphic Spiking Array Processors: A Quest to Mimic the Brain. <i>Frontiers in Neuroscience</i> , 2018, 12, 891.	1.4	177
4	Ultra-Low-Power FDSOI Neural Circuits for Extreme-Edge Neuromorphic Intelligence. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2021, 68, 45-56.	3.5	42
5	Scaling mixed-signal neuromorphic processors to 28 nm FD-SOI technologies. , 2016, , .		38
6	ECG-based Heartbeat Classification in Neuromorphic Hardware. , 2019, , .		34
7	An Ultralow Leakage Synaptic Scaling Homeostatic Plasticity Circuit With Configurable Time Scales up to 100 ks. <i>IEEE Transactions on Biomedical Circuits and Systems</i> , 2017, 11, 1271-1277.	2.7	24
8	Neural State Machines for Robust Learning and Control of Neuromorphic Agents. <i>IEEE Journal on Emerging and Selected Topics in Circuits and Systems</i> , 2019, 9, 679-689.	2.7	11
9	Organizing Sequential Memory in a Neuromorphic Device Using Dynamic Neural Fields. <i>Frontiers in Neuroscience</i> , 2018, 12, 717.	1.4	8
10	Wide dynamic range weights and biologically realistic synaptic dynamics for spike-based learning circuits. , 2016, , .		4
11	A 10-bit 50-MS/s reference-free low power SAR ADC in 0.18- μ m SOI CMOS technology. <i>Journal of Semiconductors</i> , 2012, 33, 095005.	2.0	3
12	Automatic gain control of ultra-low leakage synaptic scaling homeostatic plasticity circuits. , 2016, , .		3
13	An auto-scaling wide dynamic range current to frequency converter for real-time monitoring of signals in neuromorphic systems. , 2016, , .		3
14	Robust Learning and Recognition of Visual Patterns in Neuromorphic Electronic Agents. , 2019, , .		3
15	A 14-bit wide temperature range differential SAR ADC with an on-chip multi-segment BGR. <i>Journal of Semiconductors</i> , 2011, 32, 085003.	2.0	2
16	A bi-directional Address-Event transceiver block for low-latency inter-chip communication in neuromorphic systems. , 2018, , .		1
17	A Clock-Less Ultra-Low Power Bit-Serial LVDS Link for Address-Event Multi-chip Systems. , 2018, , .		0