

Jayawan H B Wijekoon

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2830390/publications.pdf>

Version: 2024-02-01

19
papers

1,445
citations

1477746

6
h-index

1872312

6
g-index

19
all docs

19
docs citations

19
times ranked

1760
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromorphic Silicon Neuron Circuits. <i>Frontiers in Neuroscience</i> , 2011, 5, 73.	1.4	1,004
2	Compact silicon neuron circuit with spiking and bursting behaviour. <i>Neural Networks</i> , 2008, 21, 524-534.	3.3	272
3	Continuous objective recording of fetal heart rate and fetal movements could reliably identify fetal compromise, which could reduce stillbirth rates by facilitating timely management. <i>Medical Hypotheses</i> , 2014, 83, 410-417.	0.8	30
4	VLSI circuits implementing computational models of neocortical circuits. <i>Journal of Neuroscience Methods</i> , 2012, 210, 93-109.	1.3	29
5	Integrated circuit implementation of a cortical neuron. , 2008, , .		24
6	Spiking and Bursting Firing Patterns of a Compact VLSI Cortical Neuron Circuit. , 2007, , .		22
7	A CMOS circuit implementation of a spiking neuron with bursting and adaptation on a biological timescale. , 2009, , .		18
8	Simple Analogue VLSI Circuit of a Cortical Neuron. , 2006, , .		16
9	A wearable piezo-resistive sensor for capturing cardiorespiratory signals. <i>Sensors and Actuators A: Physical</i> , 2018, 282, 215-229.	2.0	15
10	A systematic scoping review to identify the design and assess the performance of devices for antenatal continuous fetal monitoring. <i>PLoS ONE</i> , 2020, 15, e0242983.	1.1	9
11	Neuromorphic Architecture for Small-Scale Neocortical Network Emulation. , 2019, , .		3
12	Analogue CMOS circuit implementation of a dopamine modulated synapse. , 2011, , .		2
13	Heterogeneous neurons and plastic synapses in a reconfigurable cortical neural network IC. , 2012, , .		1
14	Title is missing!. , 2020, 15, e0242983.		0
15	Title is missing!. , 2020, 15, e0242983.		0
16	Title is missing!. , 2020, 15, e0242983.		0
17	Title is missing!. , 2020, 15, e0242983.		0
18	Title is missing!. , 2020, 15, e0242983.		0

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19	Title is missing!. , 2020, 15, e0242983.		0