

# Simon Davidson

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/184267/publications.pdf>

Version: 2024-02-01

9  
papers

225  
citations

1684188

5  
h-index

2053705

5  
g-index

9  
all docs

9  
docs citations

9  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Artificial and Spiking Neural Networks on Digital Hardware. <i>Frontiers in Neuroscience</i> , 2021, 15, 651141.	2.8	52
2	SpiNNaker: A multi-core System-on-Chip for massively-parallel neural net simulation. , 2012, , .		42
3	Deep Spiking Neural Network model for time-variant signals classification: a real-time speech recognition approach. , 2018, , .		35
4	SpiNNaker. <i>ACM Journal on Emerging Technologies in Computing Systems</i> , 2011, 7, 1-18.	2.3	29
5	SpiNNTools: The Execution Engine for the SpiNNaker Platform. <i>Frontiers in Neuroscience</i> , 2019, 13, 231.	2.8	25
6	A Real-Time, Event-Driven Neuromorphic System for Goal-Directed Attentional Selection. <i>Lecture Notes in Computer Science</i> , 2012, , 226-233.	1.3	17
7	Behavioral Learning in a Cognitive Neuromorphic Robot: An Integrative Approach. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2018, 29, 6132-6144.	11.3	13
8	High performance computing on SpiNNaker neuromorphic platform: A case study for energy efficient image processing. , 2016, , .		12
9	Large-Scale On-Chip Dynamic Programming Network Inferences Using Moderated Inter-core Communication. , 2012, , .		0