Mantas Mikaitis

List of Publications by Year
in descending order

15	185	1307594	1720034
papers	citations	7	7
		h-index	g-index

15	15	15	186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	sPyNNaker: A Software Package for Running PyNN Simulations on SpiNNaker. Frontiers in Neuroscience, 2018, 12, 816.	2.8	61
2	Stochastic rounding and reduced-precision fixed-point arithmetic for solving neural ordinary differential equations. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190052.	3.4	32
3	Neuromodulated Synaptic Plasticity on the SpiNNaker Neuromorphic System. Frontiers in Neuroscience, 2018, 12, 105.	2.8	23
4	Numerical behavior of NVIDIA tensor cores. PeerJ Computer Science, 2021, 7, e330.	4.5	19
5	Stochastic rounding: implementation, error analysis and applications. Royal Society Open Science, 2022, 9, 211631.	2.4	17
6	Approximate Fixed-Point Elementary Function Accelerator for the SpiNNaker-2 Neuromorphic Chip. , 2018, , .		9
7	Algorithms for Stochastically Rounded Elementary Arithmetic Operations in IEEE 754 Floating-Point Arithmetic. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1451-1466.	4.6	9
8	Anymatrix: an extensible MATLAB matrix collection. Numerical Algorithms, 2022, 90, 1175-1196.	1.9	8
9	Stochastic Rounding: Algorithms and Hardware Accelerator. , 2021, , .		5
10	Creating the Future. , 2020, , 267-284.		2
11	Brewing the first ever automatic memory management utility for SpiNNaker: Real-time garbage collection for STDP simulations. , 2017, , .		0
12	Issues with rounding in the GCC implementation of the ISO 18037:2008 standard fixed-point arithmetic. , 2020, , .		0
13	8. Creating the Future. , 2020, , .		0
14	4. Stacks of Software Stacks. , 2020, , .		0
15	Algorithms for Stochastically Rounded Elementary Arithmetic Operations in IEEE 754 Floating-Point Arithmetic. , 2021, , .		0