

# Mantas Mikaitis

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1775875/publications.pdf>

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186  
citing authors

#	ARTICLE	IF	CITATIONS
1	sPyNNaker: A Software Package for Running PyNN Simulations on SpiNNaker. <i>Frontiers in Neuroscience</i> , 2018, 12, 816.	1.4	61
2	Stochastic rounding and reduced-precision fixed-point arithmetic for solving neural ordinary differential equations. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2020, 378, 20190052.	1.6	32
3	Neuromodulated Synaptic Plasticity on the SpiNNaker Neuromorphic System. <i>Frontiers in Neuroscience</i> , 2018, 12, 105.	1.4	23
4	Numerical behavior of NVIDIA tensor cores. <i>PeerJ Computer Science</i> , 2021, 7, e330.	2.7	19
5	Stochastic rounding: implementation, error analysis and applications. <i>Royal Society Open Science</i> , 2022, 9, 211631.	1.1	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. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021, 9, 1451-1466.	3.2	9
8	Anymatrix: an extensible MATLAB matrix collection. <i>Numerical Algorithms</i> , 2022, 90, 1175-1196.	1.1	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