

Thomas Dalgaty

List of Publications by Year in descending order

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papers

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citations

1477746
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1719596
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g-index

10
all docs

10
docs citations

10
times ranked

222
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuromorphic object localization using resistive memories and ultrasonic transducers. Nature Communications, 2022, 13, .	5.8	20
2	Bio-Inspired Architectures Substantially Reduce the Memory Requirements of Neural Network Models. Frontiers in Neuroscience, 2021, 15, 612359.	1.4	2
3	Ex Situ Transfer of Bayesian Neural Networks to Resistive Memory-Based Inference Hardware. Advanced Intelligent Systems, 2021, 3, 2000103.	3.3	15
4	In situ learning using intrinsic memristor variability via Markov chain Monte Carlo sampling. Nature Electronics, 2021, 4, 151-161.	13.1	93
5	Harnessing intrinsic memristor randomness with Bayesian neural networks. , 2021, , .		2
6	Analog Weight Updates with Compliance Current Modulation of Binary ReRAMs for On-Chip Learning. , 2020, , .		11
7	Hybrid neuromorphic circuits exploiting non-conventional properties of RRAM for massively parallel local plasticity mechanisms. APL Materials, 2019, 7, .	2.2	31
8	Insect-inspired neuromorphic computing. Current Opinion in Insect Science, 2018, 30, 59-66.	2.2	17
9	Insect-Inspired Elementary Motion Detection Embracing Resistive Memory and Spiking Neural Networks. Lecture Notes in Computer Science, 2018, , 115-128.	1.0	7