Thomas Dalgaty

List of Publications by Year
in descending order

9 papers	**198** citations	1477746 **6** h-index	1719596 **7** g-index
10 all docs	**10** docs citations	**10** times ranked	**222** citing authors

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