Navnidhi Kumar Upadhyay

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2808471/publications.pdf

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14	2,226	840776 11	1199594 12
papers	citations	h-index	g-index

14	14	14	2430
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fully memristive neural networks for pattern classification with unsupervised learning. Nature Electronics, 2018, 1, 137-145.	26.0	787
2	Emerging Memory Devices for Neuromorphic Computing. Advanced Materials Technologies, 2019, 4, 1800589.	5.8	307
3	Three-dimensional memristor circuits as complex neural networks. Nature Electronics, 2020, 3, 225-232.	26.0	242
4	An artificial spiking afferent nerve based on Mott memristors for neurorobotics. Nature Communications, 2020, 11, 51.	12.8	217
5	Capacitive neural network with neuro-transistors. Nature Communications, 2018, 9, 3208.	12.8	199
6	Reservoir Computing Using Diffusive Memristors. Advanced Intelligent Systems, 2019, 1, 1900084.	6.1	147
7	Artificial Neural Network (ANN) to Spiking Neural Network (SNN) Converters Based on Diffusive Memristors. Advanced Electronic Materials, 2019, 5, 1900060.	5.1	92
8	Synaptic electronics and neuromorphic computing. Science China Information Sciences, 2016, 59, 1.	4.3	76
9	A Lowâ€Current and Analog Memristor with Ru as Mobile Species. Advanced Materials, 2020, 32, e1904599.	21.0	59
10	A Memristor with Low Switching Current and Voltage for 1S1R Integration and Array Operation. Advanced Electronic Materials, 2020, 6, 1901411.	5.1	51
11	Timing Selector: Using Transient Switching Dynamics to Solve the Sneak Path Issue of Crossbar Arrays. Small Science, 2022, 2, 2100072.	9.9	18
12	Experimental Demonstration of Conversion-Based SNNs with 1T1R Mott Neurons for Neuromorphic Inference. , 2019, , .		17
13	Engineering Tunneling Selector to Achieve High Non-linearity for 1S1R Integration. Frontiers in Nanotechnology, 2021, 3, .	4.8	10
14	RRAM/memristor for computing. , 2019, , 539-583.		4