Shiva Asapu

List of Publications by Year
in descending order

12 papers	1,709 citations	1040056 9 h-index	1281871 11 g-index
12 all docs	12 docs citations	12 times ranked	2205 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	Threshold Switching of Ag or Cu in Dielectrics: Materials, Mechanism, and Applications. Advanced Functional Materials, 2018, 28, 1704862.	14.9	239
4	Reservoir Computing Using Diffusive Memristors. Advanced Intelligent Systems, 2019, 1, 1900084.	6.1	147
5	Artificial Neural Network (ANN) to Spiking Neural Network (SNN) Converters Based on Diffusive Memristors. Advanced Electronic Materials, 2019, 5, 1900060.	5.1	92
6	Low-Voltage, CMOS-Free Synaptic Memory Based on Li_XTiO₂ Redox Transistors. ACS Applied Materials & Interfaces, 2019, 11, 38982-38992.	8.0	78
7	Multifilamentary Conduction Modeling in Transition Metal Oxide-Based RRAM. IEEE Transactions on Electron Devices, 2017, 64, 3145-3150.	3.0	19
8	Role of GO and r-GO in resistance switching behavior of bilayer TiO₂ based RRAM. Nanotechnology, 2018, 29, 505702.	2.6	17
9	Electromechanical Emulator of Memristive Systems and Devices. IEEE Transactions on Electron Devices, 2015, 62, 3678-3684.	3.0	10
10	Threshold Switching: Threshold Switching of Ag or Cu in Dielectrics: Materials, Mechanism, and Applications (Adv. Funct. Mater. 6/2018). Advanced Functional Materials, 2018, 28, 1870036.	14.9	10
11	Electrothermal numerical modeling of multifilamentary conduction in Ta₂O_{5â^'x}â€‰/WO_{3â^'x} bilayer oxides based RRAM. Ferroelectrics, 2016, 500, 229-240.	0.6	3
12	Read and Write Analysis for Balanced Pattern Memristor Crossbar Array. Journal of Low Power Electronics, 2014, 10, 84-87.	0.6	0