

Shiva Asapu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5287083/publications.pdf>

Version: 2024-02-01

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	Reservoir Computing Using Diffusive Memristors. <i>Advanced Intelligent Systems</i> , 2019, 1, 1900084.	6.1	147
2	Low-Voltage, CMOS-Free Synaptic Memory Based on Li_xTiO_2 Redox Transistors. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 38982-38992.	8.0	78
3	Artificial Neural Network (ANN) to Spiking Neural Network (SNN) Converters Based on Diffusive Memristors. <i>Advanced Electronic Materials</i> , 2019, 5, 1900060.	5.1	92
4	Emerging Memory Devices for Neuromorphic Computing. <i>Advanced Materials Technologies</i> , 2019, 4, 1800589.	5.8	307
5	Threshold Switching: Threshold Switching of Ag or Cu in Dielectrics: Materials, Mechanism, and Applications (<i>Adv. Funct. Mater.</i> 6/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870036.	14.9	10
6	Fully memristive neural networks for pattern classification with unsupervised learning. <i>Nature Electronics</i> , 2018, 1, 137-145.	26.0	787
7	Threshold Switching of Ag or Cu in Dielectrics: Materials, Mechanism, and Applications. <i>Advanced Functional Materials</i> , 2018, 28, 1704862.	14.9	239
8	Role of GO and r-GO in resistance switching behavior of bilayer TiO_2 based RRAM. <i>Nanotechnology</i> , 2018, 29, 505702.	2.6	17
9	Multifilamentary Conduction Modeling in Transition Metal Oxide-Based RRAM. <i>IEEE Transactions on Electron Devices</i> , 2017, 64, 3145-3150.	3.0	19
10	Electrothermal numerical modeling of multifilamentary conduction in $\text{Ta}_2\text{O}_5/\text{WO}_3$ bilayer oxides based RRAM. <i>Ferroelectrics</i> , 2016, 500, 229-240.	0.6	3
11	Electromechanical Emulator of Memristive Systems and Devices. <i>IEEE Transactions on Electron Devices</i> , 2015, 62, 3678-3684.	3.0	10
12	Read and Write Analysis for Balanced Pattern Memristor Crossbar Array. <i>Journal of Low Power Electronics</i> , 2014, 10, 84-87.	0.6	0