

Dmitry A Lapkin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

17
papers

292
citations

9
h-index

17
g-index

21
ext. papers

370
ext. citations

5.6
avg, IF

3.2
L-index

#	Paper	IF	Citations
17	First steps towards the realization of a double layer perceptron based on organic memristive devices. <i>AIP Advances</i> , 2016 , 6, 111301	1.5	65
16	Parylene Based Memristive Devices with Multilevel Resistive Switching for Neuromorphic Applications. <i>Scientific Reports</i> , 2019 , 9, 10800	4.9	59
15	Polyaniline-based memristive microdevice with high switching rate and endurance. <i>Applied Physics Letters</i> , 2018 , 112, 043302	3.4	40
14	Spike-timing-dependent plasticity of polyaniline-based memristive element. <i>Microelectronic Engineering</i> , 2018 , 185-186, 43-47	2.5	26
13	Associative STDP-like learning of neuromorphic circuits based on polyaniline memristive microdevices. <i>Journal Physics D: Applied Physics</i> , 2020 , 53, 414001	3	17
12	Revealing Grain Boundaries and Defect Formation in Nanocrystal Superlattices by Nanodiffraction. <i>Small</i> , 2019 , 15, e1904954	11	17
11	Structure-Transport Correlation Reveals Anisotropic Charge Transport in Coupled PbS Nanocrystal Superlattices. <i>Advanced Materials</i> , 2020 , 32, e2002254	24	12
10	Neuromorphic elements and systems as the basis for the physical implementation of artificial intelligence technologies. <i>Crystallography Reports</i> , 2016 , 61, 992-1001	0.6	11
9	Planar and 3D fibrous polyaniline-based materials for memristive elements. <i>Soft Matter</i> , 2017 , 13, 7300-7306	3.06	9
8	Organic Memristive Device Based on Polyaniline Film Prepared by Spin Coating. <i>BioNanoScience</i> , 2015 , 5, 181-184	3.4	8
7	Optical Monitoring of the Resistive States of a Polyaniline-Based Memristive Device. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000511	6.4	8
6	Hybrid polyaniline/polyamide-6 fibers and nonwoven materials for assembling organic memristive elements. <i>Synthetic Metals</i> , 2019 , 254, 63-67	3.6	7
5	Poly-para-xylylene-Based Memristors on Flexible Substrates. <i>Technical Physics Letters</i> , 2019 , 45, 1103-1106	1.67	5
4	Spatially resolved fluorescence of caesium lead halide perovskite supercrystals reveals quasi-atomic behavior of nanocrystals.. <i>Nature Communications</i> , 2022 , 13, 892	17.4	2
3	An Organic Memristive Element Based on Single Polyaniline/Polyamide-6 Fiber. <i>Technical Physics Letters</i> , 2017 , 43, 1102-1104	0.7	1
2	High spatial coherence and short pulse duration revealed by the Hanbury Brown and Twiss interferometry at the European XFEL. <i>Structural Dynamics</i> , 2021 , 8, 044305	3.2	1
1	Exploring the 3D structure and defects of a self-assembled gold mesocrystal by coherent X-ray diffraction imaging. <i>Nanoscale</i> , 2021 , 13, 10425-10435	7.7	1

