

# V V Erokhin

## List of Publications by Year in descending order

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184  
papers

3,945  
citations

109321

35  
h-index

168389

53  
g-index

191  
all docs

191  
docs citations

191  
times ranked

2575  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neurohybrid Memristive CMOS-Integrated Systems for Biosensors and Neuroprosthetics. <i>Frontiers in Neuroscience</i> , 2020, 14, 358.	2.8	143
2	Hybrid electronic device based on polyaniline-polyethyleneoxide junction. <i>Journal of Applied Physics</i> , 2005, 97, 064501.	2.5	132
3	Optimization of an organic memristor as an adaptive memory element. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	121
4	Material Memristive Device Circuits with Synaptic Plasticity: Learning and Memory. <i>BioNanoScience</i> , 2011, 1, 24-30.	3.5	93
5	Electrochemical Control of the Conductivity in an Organic Memristor: A Time-Resolved X-ray Fluorescence Study of Ionic Drift as a Function of the Applied Voltage. <i>ACS Applied Materials &amp; Interfaces</i> , 2009, 1, 2115-2118.	8.0	92
6	Parylene Based Memristive Devices with Multilevel Resistive Switching for Neuromorphic Applications. <i>Scientific Reports</i> , 2019, 9, 10800.	3.3	92
7	Microstructure Origin of the Conductivity Differences in Aggregated CuS Films of Different Thickness. <i>Langmuir</i> , 2003, 19, 766-771.	3.5	86
8	Multi-panel drugs detection in human serum for personalized therapy. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3914-3919.	10.1	86
9	Thermal stability of protein secondary structure in Langmuir-Blodgett films. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1993, 1158, 273-278.	2.4	82
10	Hardware elementary perceptron based on polyaniline memristive devices. <i>Organic Electronics</i> , 2015, 25, 16-20.	2.6	79
11	First steps towards the realization of a double layer perceptron based on organic memristive devices. <i>AIP Advances</i> , 2016, 6, .	1.3	77
12	Formation of Ultrathin Semiconductor Films by CdS Nanostructure Aggregation. <i>The Journal of Physical Chemistry</i> , 1994, 98, 13323-13327.	2.9	71
13	Coupling Cortical Neurons through Electronic Memristive Synapse. <i>Advanced Materials Technologies</i> , 2019, 4, 1800350.	5.8	63
14	Nanogravimetric gauge for surface density measurements and deposition analysis of langmuir-blodgett films. <i>Thin Solid Films</i> , 1993, 230, 86-89.	1.8	62
15	Spectroscopic investigation of an electrochemically controlled conducting polymer-solid electrolyte junction. <i>Journal of Applied Physics</i> , 2007, 101, 024501.	2.5	61
16	A hybrid living/organic electrochemical transistor based on the <i>Physarum polycephalum</i> cell endowed with both sensing and memristive properties. <i>Chemical Science</i> , 2015, 6, 2859-2868.	7.4	61
17	Thin Film Electrochemical Memristive Systems for Bio-Inspired Computation. <i>Journal of Computational and Theoretical Nanoscience</i> , 2011, 8, 313-330.	0.4	56
18	Poly(2,5-dimethylaniline)â€“MWNTs nanocomposite: a new material for conductometric acid vapours sensor. <i>Sensors and Actuators B: Chemical</i> , 2004, 98, 247-253.	7.8	55

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19	Polymeric elements for adaptive networks. Crystallography Reports, 2007, 52, 159-166.	0.6	55
20	Polyaniline-based memristive microdevice with high switching rate and endurance. Applied Physics Letters, 2018, 112, .	3.3	55
21	Stochastic hybrid 3D matrix: learning and adaptation of electrical properties. Journal of Materials Chemistry, 2012, 22, 22881.	6.7	54
22	Quartz balance DNA sensor. Biosensors and Bioelectronics, 1997, 12, 613-618.	10.1	51
23	Scanning tunnelling microscopy of a monolayer of reaction centres. Thin Solid Films, 1994, 243, 403-406.	1.8	50
24	Room-temperature single-electron junction.. Proceedings of the National Academy of Sciences of the United States of America, 1996, 93, 10556-10559.	7.1	50
25	Polymeric electrochemical element for adaptive networks: Pulse mode. Journal of Applied Physics, 2008, 104, .	2.5	50
26	Light-Driven Release from Polymeric Microcapsules Functionalized with Bacteriorhodopsin. Journal of the American Chemical Society, 2009, 131, 9800-9804.	13.7	49
27	Langmuir-Blodgett films of immunoglobulines IgG. Ellipsometric study of the deposition process and of immunological activity. Thin Solid Films, 1994, 238, 127-132.	1.8	48
28	Bio-inspired adaptive networks based on organic memristors. Nano Communication Networks, 2010, 1, 108-117.	2.9	48
29	A physical insight into the gas-sensing properties of copper (II) tetra-(tert-butyl)-5,10,15,20-tetraazaporphyrin Langmuir-Blodgett films. Thin Solid Films, 2000, 379, 279-286.	1.8	45
30	On the resistive switching mechanism of parylene-based memristive devices. Organic Electronics, 2019, 74, 89-95.	2.6	44
31	ORGANIC MEMRISTOR DEVICES FOR LOGIC ELEMENTS WITH MEMORY. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2012, 22, 1250283.	1.7	43
32	Two-dimensional order and protein thermal stability: high temperature preservation of structure and function. Biosensors and Bioelectronics, 1995, 10, 25-34.	10.1	42
33	Collagen containing microcapsules: Smart containers for disease controlled therapy. Journal of Colloid and Interface Science, 2011, 357, 56-62.	9.4	42
34	A functional polymeric material based on hybrid electrochemically controlled junctions. Materials Science and Engineering C, 2008, 28, 18-22.	7.3	39
35	A bio-inspired memory device based on interfacing <i>Physarum polycephalum</i> with an organic semiconductor. APL Materials, 2015, 3, .	5.1	36
36	Gold nanoparticles-polyaniline composite material: Synthesis, structure and electrical properties. Synthetic Metals, 2011, 161, 1408-1413.	3.9	35

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37	Frequency driven organic memristive devices for neuromorphic short term and long term plasticity. <i>Organic Electronics</i> , 2019, 65, 434-438.	2.6	34
38	Structural Study of the DNA Dipalmitoylphosphatidylcholine Complex at the Air/Water Interface. <i>Biomacromolecules</i> , 2007, 8, 2270-2275.	5.4	33
39	P450ssc Engineering and Nanostructuring for Cholesterol Sensing. <i>Langmuir</i> , 2001, 17, 3719-3726.	3.5	32
40	Smart Nanoengineered Polymeric Capsules as Ideal Pharmaceutical Carriers. <i>Current Organic Chemistry</i> , 2013, 17, 58-64.	1.6	32
41	Functionalization and photoelectrochemical characterization of poly[3-(vinylcarbazole)] multi-walled carbon nanotube (PVK-MWNT) Langmuir-Schaefer films. <i>Nanotechnology</i> , 2006, 17, 699-705.	2.6	31
42	Interaction of DNA Oligomers with Cationic Lipidic Monolayers: Complexation and Splitting. <i>Langmuir</i> , 2007, 23, 4414-4420.	3.5	31
43	Non-equilibrium electrical behaviour of polymeric electrochemical junctions. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 205111.	1.8	30
44	Electrical properties of an organic memristive system. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 104, 1039-1046.	2.3	30
45	Conducting polymer/solid electrolyte fibrillar composite material for adaptive networks. <i>Soft Matter</i> , 2006, 2, 870-874.	2.7	28
46	Electrochemical model of the polyaniline based organic memristive device. <i>Journal of Applied Physics</i> , 2014, 116, 064507.	2.5	28
47	Formation and X-ray and electron diffraction study of Cds and Pbs particles inside fatty acid matrix. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1991, 46, 359-363.	0.6	27
48	Observation of room temperature mono-electron phenomena on nanometre-sized CdS particles. <i>Journal Physics D: Applied Physics</i> , 1995, 28, 2534-2538.	2.8	27
49	Semiconductor nanoparticles for quantum devices. <i>Nanotechnology</i> , 1998, 9, 158-161.	2.6	26
50	Origin of current oscillations in a polymeric electrochemically controlled element. <i>Journal of Applied Physics</i> , 2008, 103, 094517.	2.5	26
51	Encapsulation of vitamin B12 into nanoengineered capsules and soft matter nanosystems for targeted delivery. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 182, 110366.	5.0	26
52	Associative STDP-like learning of neuromorphic circuits based on polyaniline memristive microdevices. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 414001.	2.8	26
53	Logic with memory: and gates made of organic and inorganic memristive devices. <i>Semiconductor Science and Technology</i> , 2014, 29, 104009.	2.0	25
54	High-sensitivity biosensor based on LB technology and on nanogravimetry. <i>Sensors and Actuators B: Chemical</i> , 1995, 24, 121-128.	7.8	24

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55	Memristive Devices for Neuromorphic Applications: Comparative Analysis. <i>BioNanoScience</i> , 2020, 10, 834-847.	3.5	24
56	Langmuir-Schaefer films of a polyaniline-gold nanoparticle composite material for applications in organic memristive devices. <i>RSC Advances</i> , 2011, 1, 1537.	3.6	23
57	On the stability of polymeric electrochemical elements for adaptive networks. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 218-221.	4.7	22
58	X-Ray Reflectivity Measurements of Layer-by-Layer Films at the Solid/Liquid Interface. <i>Langmuir</i> , 2008, 24, 12093-12096.	3.5	22
59	Role of the solid electrolyte composition on the performance of a polymeric memristor. <i>Materials Science and Engineering C</i> , 2010, 30, 407-411.	7.3	22
60	Organic memristive devices for perceptron applications. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 284002.	2.8	22
61	Monoelectron phenomena in nanometer scale particles formed in LB films. <i>Thin Solid Films</i> , 1996, 284-285, 891-893.	1.8	21
62	Spectrophotometric characterization of organic memristive devices. <i>Organic Electronics</i> , 2016, 38, 79-83.	2.6	21
63	Langmuir-blodgett films of immunoglobulins as sensing elements. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1990, 12, 1253-1258.	0.4	18
64	Complex catalytic colloids on the basis of firefly luciferase as optical nanosensor platform. <i>Biotechnology and Bioengineering</i> , 2003, 84, 286-291.	3.3	18
65	Morphology and conductivity in poly(ortho-anisidine)/carbon nanotubes nanocomposite films. <i>Thin Solid Films</i> , 2004, 468, 17-22.	1.8	18
66	Synaptic response in organic electrochemical transistor gated by a graphene electrode. <i>Flexible and Printed Electronics</i> , 2019, 4, 044002.	2.7	18
67	Towards a light-addressable transducer bacteriorhodopsin based. <i>Nanotechnology</i> , 1998, 9, 223-227.	2.6	17
68	Influence of molecular and supramolecular factors on sensor properties of Langmuir-Blodgett films of tert-butyl-substituted copper azaporphyrins towards hydrocarbons. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 891-896.	4.7	17
69	Nanoaggregates in floating layers of azaporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2010, 14, 513-522.	0.8	17
70	The influence of molecular structure and $\pi$ -system extent on nano- and microstructure of Langmuir layers of copper azaporphyrins. <i>Journal of Porphyrins and Phthalocyanines</i> , 2011, 15, 1044-1051.	0.8	17
71	Release kinetics of gold nanoparticles from collagen microcapsules by total reflection X-ray fluorescence. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 417, 83-88.	4.7	17
72	Chemically induced anisotropy in antibody Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994, 237, 19-21.	1.8	16

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73	Reversed micellar approach as a new tool for the formation and structural studies of protein Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1994, 238, 88-94.	1.8	16
74	Small-angle X-ray scattering and neutron reflectivity studies of Langmuir-Blodgett films of copper tetra-tert-butyl-azaporphyrines. <i>Journal of Applied Crystallography</i> , 2003, 36, 758-762.	4.5	16
75	Nanosized Optoelectronic Devices Based on Photoactivated Proteins. <i>Biomacromolecules</i> , 2012, 13, 3503-3509.	5.4	16
76	Optical Monitoring of the Resistive States of a Polyaniline-Based Memristive Device. <i>Advanced Electronic Materials</i> , 2020, 6, 2000511.	5.1	16
77	Qualitative and quantitative analysis of the secondary structure of cytochrome C Langmuir-Blodgett films. , 1997, 42, 227-237.		15
78	Toward bacteriorhodopsin based photocells. <i>Biosensors and Bioelectronics</i> , 1999, 14, 427-433.	10.1	15
79	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	15
80	Planar and 3D fibrous polyaniline-based materials for memristive elements. <i>Soft Matter</i> , 2017, 13, 7300-7306.	2.7	15
81	Emulation with Organic Memristive Devices of Impairment of LTP Mechanism in Neurodegenerative Disease Pathology. <i>Neural Plasticity</i> , 2017, 2017, 1-8.	2.2	15
82	Interfacing aptamers, nanoparticles and graphene in a hierarchical structure for highly selective detection of biomolecules in OECT devices. <i>Scientific Reports</i> , 2021, 11, 9380.	3.3	15
83	Effect of temperature on the electrical properties of an organic memristive device. <i>Journal of Applied Physics</i> , 2010, 108, .	2.5	14
84	Fabrication and Characterization of Chitosan and Pectin Nanostructured Multilayers. <i>Macromolecular Chemistry and Physics</i> , 2015, 216, 1067-1075.	2.2	14
85	Skeleton-supported stochastic networks of organic memristive devices: Adaptations and learning. <i>AIP Advances</i> , 2015, 5, 027129.	1.3	14
86	The Role of the Internal Capacitance in Organic Memristive Device for Neuromorphic and Sensing Applications. <i>Advanced Electronic Materials</i> , 2021, 7, 2100494.	5.1	14
87	Bacteriorhodopsin thin film as a sensitive layer for an anaesthetic sensor. <i>Thin Solid Films</i> , 1996, 284-285, 898-900.	1.8	13
88	In-Plane Patterning of Aggregated Nanoparticle Layers. <i>Langmuir</i> , 2002, 18, 3185-3190.	3.5	13
89	Electrical properties of thin copper sulfide films produced by the aggregation of nanoparticles formed in LB precursor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2002, 198-200, 645-650.	4.7	13
90	Deposition and Patterning of Polymeric Capsule Layers. <i>Macromolecules</i> , 2003, 36, 6493-6496.	4.8	13

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91	Simple method of hydrophilic/hydrophobic patterning of solid surfaces and its application to self-assembling of nanoengineered polymeric capsules. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2004, 245, 163-168.	4.7	13
92	Polyaniline-based organic memristive device fabricated by layer-by-layer deposition technique. <i>Electronic Materials Letters</i> , 2015, 11, 801-805.	2.2	13
93	Computers from Plants We Never Made: Speculations. <i>Emergence, Complexity and Computation</i> , 2018, , 357-387.	0.3	13
94	Immobilization of DNA Fragments by Langmuir-Blodgett Technique. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 215, 213-220.	0.3	12
95	On the role of molecular close packing on the protein thermal stability. <i>Thin Solid Films</i> , 1996, 284-285, 805-808.	1.8	12
96	Kinetics study of glutathione S-transferase Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1996, 284-285, 854-858.	1.8	12
97	Preparation of semiconductor superlattices from LB precursor. <i>Thin Solid Films</i> , 1998, 327-329, 503-505.	1.8	12
98	Surface Pressure Induced Structural Effects in Photosynthetic Reaction Center Langmuir-Blodgett Films. <i>Langmuir</i> , 1998, 14, 193-198.	3.5	12
99	Investigation of electrical properties of organic memristors based on thin polyaniline-graphene films. <i>Russian Microelectronics</i> , 2013, 42, 27-32.	0.5	12
100	On the Loading of Slime Mold <i>Physarum polycephalum</i> with Microparticles for Unconventional Computing Application. <i>BioNanoScience</i> , 2014, 4, 92-96.	3.5	12
101	Hysteresis loop and cross-talk of organic memristive devices. <i>Microelectronics Journal</i> , 2014, 45, 1396-1400.	2.0	12
102	Spectral imaging method for studying <i>Physarum polycephalum</i> growth on polyaniline surface. <i>Materials Science and Engineering C</i> , 2015, 53, 11-14.	7.3	12
103	Hybrid slime mould-based system for unconventional computing. <i>International Journal of General Systems</i> , 2015, 44, 341-353.	2.5	12
104	Solvent-Assisted Interfacial Assembly of Copper Tetra-( <i>tert</i> -Butyl)-Phthalocyanine into Ultrathin Films. <i>Journal of Physical Chemistry C</i> , 2016, 120, 12706-12712.	3.1	12
105	Gold Nanoparticles Formation in Solid Polyelectrolyte: The Catalytic Effect of Halloysite Nanotubes. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 5310-5317.	0.9	12
106	Detection of hydrogen sulfide: the role of fatty acid salt Langmuir-Blodgett films. <i>Materials Science and Engineering C</i> , 2000, 11, 121-128.	7.3	11
107	Patterned arrays of magnetic nano-engineered capsules on solid supports. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1353-1354.	2.3	11
108	A Heterostructure Composed of Conjugated Polymer and Copper Sulfide Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 15798-15802.	2.6	11

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109	The structure of DNA-containing complexes suggests the idea for a new adaptive sensor. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2008, 321, 158-162.	4.7	11
110	On chirality of slime mould. <i>BioSystems</i> , 2016, 140, 23-27.	2.0	11
111	Organic Memristor Based Elements for Bio-inspired Computing. <i>Emergence, Complexity and Computation</i> , 2017, , 469-496.	0.3	10
112	On the Interpretation of Hysteresis Loop for Electronic and Ionic Currents in Organic Memristive Devices. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900985.	1.8	10
113	Fatty acid-based monoelectron device. <i>Biosensors and Bioelectronics</i> , 1997, 12, 601-606.	10.1	9
114	Organic memristors : Basic principles. , 2010, , .		9
115	Effects of noise sourcing on organic memristive devices. <i>Chaos, Solitons and Fractals</i> , 2020, 141, 110319.	5.1	8
116	Structural Study of the Cyto-chrome-containing Reaction Centre Complex of the Bacteria <i>Chromatium minutissimum</i> in Solution and Langmuir-Blodgett Films. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 221, 1-6.	0.3	7
117	On the structure of mixed Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1992, 210-211, 637-639.	1.8	7
118	High-value organic capacitor. <i>Materials Science and Engineering C</i> , 2002, 22, 381-385.	7.3	7
119	Electron Beam Irradiation for Structuring of Molecular Assemblies. <i>IEEE Transactions on Nanobioscience</i> , 2004, 3, 6-15.	3.3	7
120	A SPICE MODEL OF THE PEO-PANI MEMRISTOR. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2013, 23, 1350112.	1.7	7
121	Modeling and simulating the adaptive electrical properties of stochastic polymeric 3D networks. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2013, 21, 075007.	2.0	7
122	Conductivity patterning with <i>Physarum polycephalum</i> : natural growth and deflecting. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 197-201.	0.8	7
123	Synchrotron study of heat induced order in protein Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1998, 327-329, 636-638.	1.8	6
124	Organic memristive devices: Architecture, properties and applications in neuromorphic networks. , 2013, , .		6
125	Biolithography: Slime mould patterning of polyaniline. <i>Applied Surface Science</i> , 2018, 435, 1344-1350.	6.1	6
126	On the organic memristive device resistive switching efficacy. <i>Chaos, Solitons and Fractals</i> , 2021, 143, 110549.	5.1	6



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127	Oriented purple membrane multilayers of halobacteria fabricated by langmuir-blodgett and electrophoretic sedimentation techniques. <i>Advanced Materials for Optics and Electronics</i> , 1992, 1, 105-115.	0.4	5
128	Formation and characterization of an ultrathin semiconductor polycrystal layer for transducer applications. <i>Biosensors and Bioelectronics</i> , 1997, 12, 607-611.	10.1	5
129	STM Image Formation of Organic Thin Films: The Role of Water Shell. <i>Langmuir</i> , 2000, 16, 6577-6582.	3.5	5
130	Organic Memristor Based on the Composite Materials: Conducting and Ionic Polymers, Gold Nanoparticles and Graphenes. <i>Procedia Computer Science</i> , 2011, 7, 248-249.	2.0	5
131	Chains of organic memristive devices: Cross-talk of elements. , 2012, , .		5
132	Bio-organic memristive device: polyaniline-Physarum polycephalum interface. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2015, 12, 218-221.	0.8	5
133	On the degradation of conducting Langmuir-Blodgett films. <i>Journal of Materials Science: Materials in Electronics</i> , 1995, 6, 79.	2.2	4
134	On the mobility of Immunoglobulines G in Langmuir-Blodgett films. <i>Thin Solid Films</i> , 1995, 269, 85-89.	1.8	4
135	X-ray study of structural reorganization in phthalocyanine containing Langmuir-Blodgett heterostructures. <i>Applied Surface Science</i> , 2005, 245, 369-375.	6.1	4
136	Adaptive polymeric system for Hebbian-type learning. <i>Philosophical Magazine</i> , 2011, 91, 2021-2027.	1.6	4
137	Extraction of Mycotoxins from Aqueous Solutions Using Functionalized Polyelectrolyte-Coated Microparticles. <i>BioNanoScience</i> , 2013, 3, 79-84.	3.5	4
138	The short-term memory (d.c. response) of the memristor demonstrates the causes of the memristor frequency effect. , 2014, , .		4
139	Magnetic Nanoparticles-Loaded Physarum polycephalum: Directed Growth and Particles Distribution. <i>Interdisciplinary Sciences, Computational Life Sciences</i> , 2015, 7, 373-381.	3.6	4
140	Polysaccharides-based gels and solid-state electronic devices with memresistive properties: Synergy between polyaniline electrochemistry and biology. <i>AIP Advances</i> , 2016, 6, .	1.3	4
141	The memristive artificial neuron high level architecture for biologically inspired robotic systems. , 2017, , .		4
142	On the Role of Nanoparticle Sizes in Monoelectron Conductivity. , 1996, , 497-503.		4
143	Organic Memristors and Adaptive Networks. <i>Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering</i> , 2009, , 210-221.	0.3	3
144	Bioelectronics brain using memristive polymer statistical systems. , 0, , 256-265.		3

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145	Coherent X-ray diffraction imaging of nanoengineered polymeric capsules. JETP Letters, 2017, 106, 540-543.	1.4	3
146	Modification of the porous glass filter with LbL technique for variable filtration applications. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 606, 125459.	4.7	3
147	Polymer-based adaptive networks. , 2008, , 287-353.		3
148	On the Structure of Mixed Langmuir-Blodgett Films of Two Different Fatty Acid Salts. Molecular Crystals and Liquid Crystals, 1992, 215, 205-211.	0.3	2
149	Adaptive Properties of Stochastic Memristor Networks: A Computational Study. Procedia Computer Science, 2011, 7, 312-313.	2.0	2
150	Nanoengineered polymeric capsules for bio-computing. AIP Conference Proceedings, 2015, , .	0.4	2
151	Polymeric systems for bio-inspired information processing. AIP Conference Proceedings, 2015, , .	0.4	2
152	Physarum in Hybrid Electronic Devices. Emergence, Complexity and Computation, 2016, , 91-107.	0.3	2
153	On the Interpretation of Hysteresis Loop for Electronic and Ionic Currents in Organic Memristive Devices. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2070055.	1.8	2
154	3D structure reconstruction of nanoengineered polymeric capsules using Coherent X-Ray diffraction imaging. MethodsX, 2021, 8, 101230.	1.6	2
155	Pulse Programming of Resistive States of BTBT-Based Organic Memristive Device with High Endurance. Physica Status Solidi - Rapid Research Letters, 0, , 2100471.	2.4	2
156	Simulation of a Central Pattern Generator Using Memristive Devices. Nanobiotechnology Reports, 2021, 16, 755-760.	0.6	2
157	Investigation of the Temperature Phase Transition in Langmuir-Blodgett Films of Discotics. Molecular Crystals and Liquid Crystals, 1992, 215, 363-368.	0.3	1
158	Hybrid organic-inorganic electrolytic capacitors. IEEE Transactions on Nanobioscience, 2002, 1, 141-145.	3.3	1
159	High-Sensitive Ultrathin Negative Electron Beam Resist Based on Langmuir-Blodgett Films of Polycyanoacrylate. Japanese Journal of Applied Physics, 2004, 43, 3984-3985.	1.5	1
160	Organic memristive devices based circuits for bio-inspired memorizing and processing of the information. , 2015, , .		1
161	Basic Transitions of Physarum Polycephalum. , 2015, , .		1
162	Magnetic nanoparticles-loaded Physarum polycephalum: Directed growth and particles distribution. Interdisciplinary Sciences, Computational Life Sciences, 2014, , .	3.6	1

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163	Organic Memristive Devices and Neuromorphic Circuits. , 2014, , 389-411.		1
164	Neuromorphic Computing Based on Organic Memristive Systems. , 2017, , 1-19.		1
165	Langmuir-Blodgett Films Built-Up with Two Component Monolayers. Molecular Crystals and Liquid Crystals, 1994, 243, 125-134.	0.3	0
166	High-sensitive ultrathin electron beam resist based on Langmuir-Blodgett films of polycyanoacrylate. , 0, , .		0
167	Organic memristive device and its application for the information processing. , 2010, , .		0
168	Purification of substances contaminated with mycotoxins using functionalized microparticles. , 2011, , .		0
169	Analysis of PANI biocompatibility with neuronal cells. , 2015, , .		0
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