

# Maria N Koryazhkina

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

394  
citations

933447

10  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Stochastic resonance in a metal-oxide memristive device. <i>Chaos, Solitons and Fractals</i> , 2021, 144, 110723.	5.1	101
2	Noise-induced resistive switching in a memristor based on $ZrO_2(Y)/Ta_2O_5$ stack. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019, 2019, 124026.	2.3	82
3	Multilayer Metal-Oxide Memristive Device with Stabilized Resistive Switching. <i>Advanced Materials Technologies</i> , 2020, 5, 1900607.	5.8	78
4	Light-induced resistive switching in silicon-based metal-insulator-semiconductor structures. <i>Technical Physics Letters</i> , 2016, 42, 536-538.	0.7	18
5	Stochastic model of memristor based on the length of conductive region. <i>Chaos, Solitons and Fractals</i> , 2021, 150, 111131.	5.1	16
6	A neurohybrid memristive system for adaptive stimulation of hippocampus. <i>Chaos, Solitons and Fractals</i> , 2021, 146, 110804.	5.1	15
7	Capacitors with nonlinear characteristics based on stabilized zirconia with built-in gold nanoparticles. <i>Technical Physics Letters</i> , 2014, 40, 369-371.	0.7	13
8	Ion Migration Polarization in the Yttria Stabilized Zirconia Based Metal-Oxide-Metal and Metal-Oxide-Semiconductor Stacks for Resistive Memory. <i>Advances in Condensed Matter Physics</i> , 2018, 2018, 1-8.	1.1	12
9	Resistive switching in the $Au/Zr/ZrO_2-Y_2O_3/TiN/Ti$ memristive devices deposited by magnetron sputtering. <i>Journal of Physics: Conference Series</i> , 2016, 741, 012174.	0.4	11
10	The forming process in resistive-memory elements based on metal-insulator-semiconductor structures. <i>Technical Physics Letters</i> , 2014, 40, 837-840.	0.7	10
11	Fabrication of Metal Nanoparticle Arrays in the $ZrO_2(Y)$ , $HfO_2(Y)$ , and $GeO_x$ Films by Magnetron Sputtering. <i>Advances in Materials Science and Engineering</i> , 2017, 2017, 1-7.	1.8	7
12	Bipolar resistive switching in metal-insulator-semiconductor nanostructures based on silicon nitride and silicon oxide. <i>Journal of Physics: Conference Series</i> , 2018, 993, 012028.	0.4	7
13	Features of Fermi-level pinning at the interface of $Al_{0.3}Ga_{0.7}As$ with anodic oxide and stabilized zirconia. <i>Technical Physics Letters</i> , 2013, 39, 1064-1067.	0.7	5
14	Mechanisms of Current Transport and Resistive Switching in Capacitors with Yttria-Stabilized Hafnia Layers. <i>Technical Physics</i> , 2019, 64, 873-880.	0.7	4
15	Specific features of nonequilibrium depletion accompanied by the trapping of minority carriers by surface states in metal-insulator-semiconductor structures. <i>Technical Physics Letters</i> , 2016, 42, 138-142.	0.7	3
16	Experimental investigations of local stochastic resistive switching in yttria stabilized zirconia film on a conductive substrate. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2020, 2020, 024005.	2.3	3
17	Silicon-Compatible Memristive Devices Tailored by Laser and Thermal Treatments. <i>Journal of Low Power Electronics and Applications</i> , 2022, 12, 14.	2.0	3
18	The Effect of Irradiation with $Si^+$ Ions on Resistive Switching in Memristive Structures Based on Yttria-Stabilized Zirconia. <i>Technical Physics Letters</i> , 2019, 45, 690-693.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Atomic-Force Microscopy of Resistive Nonstationary Signal Switching in ZrO <sub>2</sub> (Y) Films. Technical Physics, 2019, 64, 1579-1583.	0.7	2
20	Electrical and photoelectric properties of Si-based metal-insulator-semiconductor structures with Au nanoparticles at the insulator-semiconductor interface. Semiconductors, 2016, 50, 1614-1618.	0.5	1
21	Physical properties of metal-insulator-semiconductor structures based on n-GaAs with InAs quantum dots deposited onto the surface of an n-GaAs layer. Semiconductors, 2016, 50, 1589-1594.	0.5	1
22	Investigation of local charge accumulation in yttria stabilized zirconia films with Au nanoparticles by Scanning Kelvin Probe Microscopy. Journal of Physics: Conference Series, 2018, 1124, 081028.	0.4	0
23	Study of Local Charge Accumulation in ZrO <sub>2</sub> (Y) Films with Au Nanoparticles by Kelvin Probe Force Microscopy. Journal of Surface Investigation, 2019, 13, 30-35.	0.5	0