Oleg A Ageev

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/8021548/publications.pdf

Version: 2024-02-01

50	708	567281	580821
papers	citations	15 h-index	25 g-index

50	50	50	660
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nanoscale-Resistive Switching in Forming-Free Zinc Oxide Memristive Structures. Nanomaterials, 2022, 12, 455.	4.1	11
2	Formation of nanocrystalline BaTiO3 thin films by pulsed laser deposition. , 2022, , .		0
3	Memristors based on strained multi-walled carbon nanotubes. Diamond and Related Materials, 2022, 123, 108858.	3.9	8
4	Pyrrole-like defects as origin of piezoelectric effect in nitrogen-doped carbon nanotubes. Carbon, 2022, 190, 348-358.	10.3	14
5	Formingâ€Free Resistive Switching of Electrochemical Titanium Oxide Localized Nanostructures: Anodization, Chemical Composition, Nanoscale Size Effects, and Memristive Storage. Advanced Electronic Materials, 2022, 8, .	5.1	7
6	Sublayer material as a critical factor of piezoelectric response in nitrogen-doped carbon nanotubes. Diamond and Related Materials, 2022, 126, 109069.	3.9	6
7	Anomalous piezoelectricity and conductivity in aligned carbon nanotubes. Journal of Materials Chemistry C, 2021, 9, 6014-6021.	5.5	11
8	Independent Control Over Size and Surface Density of Droplet Epitaxial Nanostructures Using Ultra-Low Arsenic Fluxes. Nanomaterials, 2021, 11, 1184.	4.1	8
9	Towards Scalable Large-Area Pulsed Laser Deposition. Materials, 2021, 14, 4854.	2.9	11
10	The Effect of Growth Parameters on Electrophysical and Memristive Properties of Vanadium Oxide Thin Films. Molecules, 2021, 26, 118.	3.8	8
11	Analysis of the Piezoelectric Properties of Aligned Multi-Walled Carbon Nanotubes. Nanomaterials, 2021, 11, 2912.	4.1	10
12	Dependence of the memristor effect of carbon nanotube bundles on the pressing force. Fullerenes Nanotubes and Carbon Nanostructures, 2020, 28, 78-82.	2.1	10
13	Oxygen Pressure Influence on Properties of Nanocrystalline LiNbO3 Films Grown by Laser Ablation. Nanomaterials, 2020, 10, 1371.	4.1	9
14	Piezoelectric Energy Harvester Based on LiNbO3 Thin Films. Materials, 2020, 13, 3984.	2.9	11
15	Highâ€Performance Semitransparent and Bifacial Perovskite Solar Cells with MoO_x/Ag/WO_x as the Rear Transparent Electrode. Advanced Materials Interfaces, 2020, 7, 2000591.	3.7	26
16	Resistive Switching of GaAs Oxide Nanostructures. Materials, 2020, 13, 3451.	2.9	7
17	Oriented Crystallization of Mixedâ€Cation Tin Halides for Highly Efficient and Stable Leadâ€Free Perovskite Solar Cells. Advanced Functional Materials, 2020, 30, 2002230.	14.9	64
18	Modeling of Catalytic Centers Formation Processes during Annealing of Multilayer Nanosized Metal Films for Carbon Nanotubes Growth. Nanomaterials, 2020, 10, 554.	4.1	9

#	Article	IF	Citations
19	Synthesis and Memristor Effect of a Forming-Free ZnO Nanocrystalline Films. Nanomaterials, 2020, 10, 1007.	4.1	26
20	Formation, Phase Composition and Memristive Properties of Titanium Oxide Nanodots. Materials Proceedings, 2020, 4, .	0.2	0
21	Mechanism of nucleation and critical layer formation during In/GaAs droplet epitaxy. Nanotechnology, 2019, 30, 505601.	2.6	21
22	Investigation of the local profiling of the solid surfaces using focused ion beam. AIP Conference Proceedings, 2019, , .	0.4	1
23	Vertically Aligned Carbon Nanotubes Production by PECVD. , 2019, , .		4
24	Lithium Niobate Films for Piezoelectric Nanogenerators Based on Hybrid Carbon Nanostructures. , 2019, , .		1
25	Analysis of Carbon Nanotube Arrays for Their Potential Use as Adhesives Under Harsh Conditions as in Space Technology. Tribology Letters, 2019, 67, 1.	2.6	9
26	Hybrid Analyticalâ€“Monte Carlo Model of In/GaAs(001) Droplet Epitaxy: Theory and Experiment. Physica Status Solidi (B): Basic Research, 2018, 255, 1700360.	1.5	25
27	Piezoelectric Response of Multi-Walled Carbon Nanotubes. Materials, 2018, 11, 638.	2.9	48
28	Memristive switching mechanism of vertically aligned carbon nanotubes. Carbon, 2017, 123, 514-524.	10.3	40
29	Monte Carlo simulation of the kinetic effects on GaAs/GaAs(001) MBE growth. Journal of Crystal Growth, 2017, 457, 46-51.	1.5	20
30	Kinetic Monte Carlo simulation of GaAs(001) MBE growth considering the V/III flux ratio effect. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2016, 34, 041804.	1.2	15
31	Study of adhesion of vertically aligned carbon nanotubes to a substrate by atomic-force microscopy. Physics of the Solid State, 2016, 58, 309-314.	0.6	22
32	Mathematical Model of the Influence of Chemisorption Process on Electrophysical Parameters of Nanosized ZnO Films. Key Engineering Materials, 2016, 709, 82-85.	0.4	0
33	Nanometer field emission structures on the basis of graphene on SiC with local change of the emitting surface. AIP Conference Proceedings, 2016, , .	0.4	4
34	Study of modification methods of probes for critical-dimension atomic-force microscopy by the deposition of carbon nanotubes. Semiconductors, 2015, 49, 1743-1748.	0.5	6
35	Morphology and local electrical properties of PTB7:PC₇₁BM blends. Journal of Materials Chemistry A, 2015, 3, 8706-8714.	10.3	18
36	Determination of the electrical resistivity of vertically aligned carbon nanotubes by scanning probe microscopy. Technical Physics, 2015, 60, 1044-1050.	0.7	16

#	Article	IF	Citations
37	Simulation of the formation of nanosize oxide structures by local anode oxidation of the metal surface. Technical Physics, 2015, 60, 717-723.	0.7	17
38	Study of the resistive switching of vertically aligned carbon nanotubes by scanning tunneling microscopy. Physics of the Solid State, 2015, 57, 825-831.	0.6	27
39	Investigation of Effect of Geometrical Parameters of Vertically Aligned Carbon Nanotubes on their Mechanical Properties. Advanced Materials Research, 2014, 894, 355-359.	0.3	3
40	Investigation of the Nanodiagnostics Probe Modes for Semiconductor Resistivity Measurements by Atomic Force Microscopy. Advanced Materials Research, 2014, 894, 374-378.	0.3	4
41	AFM-based model of percolation in graphene-based polymer nanocomposites. Composites Science and Technology, 2014, 95, 38-43.	7.8	13
42	Study of the effect of ion-stimulated deposition assisted by a pulsed laser on the properties of zinc oxide nanocrystalline films. Surface Engineering and Applied Electrochemistry, 2014, 50, 371-376.	0.8	0
43	Analysis of modes of nanoscale profiling during ion-stimulated deposition of W and Pt using the method of focused ion beams. Nanotechnologies in Russia, 2014, 9, 145-150.	0.7	5
44	Memristor effect on bundles of vertically aligned carbon nanotubes tested by scanning tunnel microscopy. Technical Physics, 2013, 58, 1831-1836.	0.7	38
45	Graphene Network Organisation in Conductive Polymer Composites. Macromolecular Chemistry and Physics, 2012, 213, 1251-1258.	2.2	41
46	Local Organization of Graphene Network Inside Graphene/Polymer Composites. Advanced Functional Materials, 2012, 22, 1311-1318.	14.9	44
47	Modelling of the Influence of a Pointed Field Emission Cathode Design from the Silicon Carbide with Graphene Film on the Electric Field Strength. Applied Mechanics and Materials, 0, 752-753, 163-167.	0.2	4
48	Scanning Probe Techniques for Characterization of Vertically Aligned Carbon Nanotubes. , 0, , .		6
49	Application of Probe Nanotechnologies for Memristor Structures Formation and Characterization. , 0, , .		0
50	Synthesis and Resistive Switching of Nanocrystalline Vanadium Oxide Films. Materials Proceedings, 0, , .	0.2	0