

Dmitriy I Shlimas

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

53
papers

462
citations

13
h-index

20
g-index

56
ext. papers

652
ext. citations

2.1
avg, IF

4.98
L-index

#	Paper	IF	Citations
53	Research of Structural, Strength and Thermal Properties of ZrO ₂ -TeO ₂ Ceramics Doped with Yttrium. <i>Crystals</i> , 2022 , 12, 242	2.3	0
52	Study of the Application Efficiency of Irradiation with Heavy Ions to Increase the Helium Swelling Resistance of BeO Ceramics. <i>Metals</i> , 2022 , 12, 307	2.3	
51	Effect of Irradiation with Low-Energy He ²⁺ Ions on Degradation of Structural, Strength and Heat-Conducting Properties of BeO Ceramics. <i>Crystals</i> , 2022 , 12, 69	2.3	0
50	Study of Radiation Resistance to Helium Swelling of Li ₂ ZrO ₃ /LiO and Li ₂ ZrO ₃ Ceramics. <i>Crystals</i> , 2022 , 12, 384	2.3	0
49	Study of Phase Formation Processes in Li ₂ ZrO ₃ Ceramics Obtained by Mechanochemical Synthesis. <i>Crystals</i> , 2022 , 12, 21	2.3	2
48	Study of Structural, Strength, and Thermophysical Properties of Li ₂ +4xZr _{4x} O ₃ Ceramics. <i>Technologies</i> , 2022 , 10, 58	2.4	
47	Study of Degradation Mechanisms of Strength and Thermal-Physical Properties of Nitride and Carbide Ceramics Promising Materials for Nuclear Energy. <i>Nanomaterials</i> , 2022 , 12, 1789	5.4	2
46	Study of Resistance to Helium Swelling of Lithium-Containing Ceramics under High-Temperature Irradiation. <i>Crystals</i> , 2021 , 11, 1350	2.3	1
45	Study of irradiation temperature effect on change of structural, optical, and strength properties of BeO ceramics when irradiated with Ar ⁸⁺ and Xe ²² heavy ions. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 10906-10918	2.1	1
44	Synthesis, structural properties and shielding efficiency of glasses based on TeO ₂ -(1-x)ZnO-xSm ₂ O ₃ . <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 12111-12120	2.1	23
43	Influence of irradiation with heavy Kr ¹⁵⁺ ions on the structural, optical and strength properties of BeO ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 15375-15385	2.1	7
42	Phase transformations in FeCo [Fe ₂ CoO ₄ /Co ₃ O ₄ -spinel nanostructures as a result of thermal annealing and their practical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 16694-16705	2.1	69
41	Study of Corrosion Resistance and Degradation Mechanisms in LiTiO ₂ -Li ₂ TiO ₃ Ceramic. <i>Crystals</i> , 2021 , 11, 753	2.3	2
40	Study of the Effect of Low-Energy Irradiation with O ²⁺ Ions on Radiation Hardening and Modification of the Properties of Thin TiO ₂ Films. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2021 , 31, 790-801	3.2	4
39	Study of the formation effect of the cubic phase of LiTiO ₂ on the structural, optical, and mechanical properties of Li ₂ Ti _{1-x} O ₃ ceramics with different contents of the X component. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 7410-7422	2.1	29
38	Formation of Stable Lithium-Containing Ceramics Using Solid-Phase Synthesis Method. <i>Crystals</i> , 2021 , 11, 1177	2.3	1
37	Study of the effect of Fe doping on the structural and optical properties of CdSe films obtained using the electrochemical deposition method. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 25385	2.1	1

36	Study of the efficiency of increasing the Bi ₂ O ₃ concentration on the optical, radiation shielding and strength characteristics of 0.5TeO ₂ -(0.5-x)WO ₃ -xBi ₂ O ₃ glasses. <i>Optical Materials</i> , 2021 , 120, 111494	3.3	0
35	Study of the radiation resistance of Ni nanotubes to irradiation with Xe ²²⁺ ions with an energy equal to fission fragments. <i>Surface and Coatings Technology</i> , 2020 , 391, 125719	4.4	1
34	Investigation of the Structural Changes and Catalytic Properties of FeNi Nanostructures as a Result of Exposure to Gamma Radiation. <i>Crystals</i> , 2020 , 10, 254	2.3	
33	Research of the shielding effect and radiation resistance of composite CuBi ₂ O ₄ films as well as their practical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 11729-11740	2.1	13
32	Dynamics of Radiation Damage in AlN Ceramics under High-Dose Irradiation, Typical for the Processes of Swelling and Hydrogenation. <i>Crystals</i> , 2020 , 10, 546	2.3	2
31	Synthesis and resistance to helium swelling of Li ₂ TiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020 , 31, 12903-12912	2.1	27
30	Liquid low-level radioactive wastes treatment by using hydrophobized track-etched membranes. <i>Progress in Nuclear Energy</i> , 2020 , 118, 103128	2.3	12
29	Electron Beam Induced Enhancement of the Catalytic Properties of Ion-Track Membranes Supported Copper Nanotubes in the Reaction of the P-Nitrophenol Reduction. <i>Catalysts</i> , 2019 , 9, 737	4	12
28	SRIM Simulation of Carbon Ions Interaction with Ni Nanotubes. <i>Materials Today: Proceedings</i> , 2019 , 7, 872-877	1.4	2
27	Structure and corrosion properties of thin TiO ₂ films obtained by magnetron sputtering. <i>Vacuum</i> , 2019 , 164, 224-232	3.7	32
26	Study of the use of ionizing radiation to improve the efficiency of performance of nickel nanostructures as anodes of lithium-ion batteries. <i>Materials Research Express</i> , 2019 , 6, 055026	1.7	10
25	Investigation of the effect of ionizing radiation on the structural and conductive characteristics of Ni nanostructures. <i>Vacuum</i> , 2019 , 163, 103-109	3.7	15
24	The Study of the Applicability of Electron Irradiation for FeNi Microtubes Modification. <i>Nanomaterials</i> , 2019 , 10,	5.4	1
23	Copper nanostructures into pores of SiO ₂ /Si template: galvanic displacement, chemical and structural characterization. <i>Materials Research Express</i> , 2019 , 6, 105058	1.7	6
22	Deposition of Gold Nanostructures into Porous SiO ₂ /Si Templates from the Electrolyte Based on Au(I) Sulfite Complex. <i>International Journal of Nanoscience</i> , 2019 , 18, 1940065	0.6	2
21	Synthesis of gold nanostructures using wet chemical deposition in SiO ₂ /Si template. <i>Lithuanian Journal of Physics</i> , 2019 , 59,	1.1	7
20	The study of changes in structural properties of Cu films under ionizing radiation. <i>Materials Research Express</i> , 2018 , 5, 055008	1.7	2
19	Study on changes in structural properties of Ni/Cu dendrites under irradiation by He-particles. <i>Materials Research Express</i> , 2018 , 5, 035054	1.7	2

18	Effects of C ³⁺ ion irradiation on structural, electrical and magnetic properties of Ni nanotubes. <i>Materials Research Express</i> , 2018 , 5, 035021	1.7	5
17	Obtaining of Ni nanotubes with specified properties. <i>Materials Research Express</i> , 2018 , 5, 035024	1.7	4
16	The influence of thermal annealing on structural properties of Ni nanotubes. <i>Vacuum</i> , 2018 , 153, 254-263.	1.7	13
15	Study of the Reactivity of Ni Nanotubes in Media with Different pH. <i>Crystallography Reports</i> , 2018 , 63, 90-95	0.6	3
14	Thermal annealing-induced modification of the structure and electrical conductivity of metallic nanotubes embedded in PET track-etched membranes. <i>Chemical Papers</i> , 2018 , 72, 173-180	1.9	2
13	Radiation Stability of Copper Films under Irradiation with He ²⁺ Ions. <i>High Energy Chemistry</i> , 2018 , 52, 419-422	0.9	2
12	Immobilization of carborane derivatives on Ni/Fe nanotubes for BNCT. <i>Journal of Nanoparticle Research</i> , 2018 , 20, 1	2.3	17
11	Influence of electrodeposition parameters on structural and morphological features of Ni nanotubes. <i>Physics of Metals and Metallography</i> , 2017 , 118, 164-169	1.2	33
10	Ionizing Radiation Effects in Ni Nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017 , 168, 012056	0.4	1
9	Electrochemically deposited copper nanotubes. <i>Journal of Surface Investigation</i> , 2017 , 11, 270-275	0.5	23
8	Changes in structural and conducting characteristics of zinc nanotubes by bombardment with Xe ⁺²² heavy ions. <i>High Energy Chemistry</i> , 2017 , 51, 11-16	0.9	8
7	Changes in the structure and conducting properties of copper nanotubes as a result of bombardment with O ³⁺ ions. <i>High Energy Chemistry</i> , 2017 , 51, 375-380	0.9	2
6	TEMPLATE SYNTHESIS AND MAGNETIC CHARACTERIZATION OF FENI NANOTUBES. <i>Progress in Electromagnetics Research C</i> , 2017 , 75, 23-30	0.9	21
5	Investigation of the influence of electron irradiation on the properties of cobalt nanotubes. <i>Crystallography Reports</i> , 2017 , 62, 739-744	0.6	3
4	Effect of thermal annealing on the structural and conducting properties of zinc nanotubes synthesized in the matrix of track-etched membranes. <i>Petroleum Chemistry</i> , 2016 , 56, 330-334	1.1	5
3	The effect of electron irradiation on structural properties of cobalt nanotubes. <i>Technical Physics Letters</i> , 2016 , 42, 1018-1021	0.7	1
2	Controlled template synthesis and properties of cobalt nanotubes. <i>Petroleum Chemistry</i> , 2016 , 56, 956-962	1.2	6
1	Tunable synthesis of copper nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016 , 110, 012013	0.4	24

