Dmitriy I Shlimas

List of Publications by Citations

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	Phase transformations in FeCo □Fe2CoO4/Co3O4-spinel nanostructures as a result of thermal annealing and their practical application. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 16694-16705	2.1	69
52	Influence of electrodeposition parameters on structural and morphological features of Ni nanotubes. *Physics of Metals and Metallography*, **2017**, 118, 164-169	1.2	33
51	Structure and corrosion properties of thin TiO2 films obtained by magnetron sputtering. *Vacuum*, **2019**, 164, 224-232	3.7	32
50	Study of the formation effect of the cubic phase of LiTiO2 on the structural, optical, and mechanical properties of Li2□xTi1□xO3 ceramics with different contents of the X component. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 7410-7422	2.1	29
49	Synthesis and resistance to helium swelling of Li2TiO3 ceramics. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 12903-12912	2.1	27
48	Tunable synthesis of copper nanotubes. *IOP Conference Series: Materials Science and Engineering*, **2016**, 110, 012013	0.4	24
47	Electrochemically deposited copper nanotubes. *Journal of Surface Investigation*, **2017**, 11, 270-275	0.5	23
46	Synthesis, structural properties and shielding efficiency of glasses based on TeO2-(1-x)ZnO-xSm2O3. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 12111-12120	2.1	23
45	TEMPLATE SYNTHESIS AND MAGNETIC CHARACTERIZATION OF FENI NANOTUBES. *Progress in Electromagnetics Research C*, **2017**, 75, 23-30	0.9	21
44	Immobilization of carborane derivatives on Ni/Fe nanotubes for BNCT. *Journal of Nanoparticle Research*, **2018**, 20, 1	2.3	17
43	Investigation of the effect of ionizing radiation on the structural and conductive characteristics of Ni nanostructures. *Vacuum*, **2019**, 163, 103-109	3.7	15
42	Research of the shielding effect and radiation resistance of composite CuBi2O4 films as well as their practical applications. *Journal of Materials Science: Materials in Electronics*, **2020**, 31, 11729-11740	2.1	13
41	The influence of thermal annealing on structural properties of Ni nanotubes. *Vacuum*, **2018**, 153, 254-261	3.7	13
40	Electron Beam Induced Enhancement of the Catalytic Properties of Ion-Track Membranes Supported Copper Nanotubes in the Reaction of the P-Nitrophenol Reduction. *Catalysts*, **2019**, 9, 737	4	12
39	Liquid low-level radioactive wastes treatment by using hydrophobized track-etched membranes. *Progress in Nuclear Energy*, **2020**, 118, 103128	2.3	12
38	Study of the use of ionizing radiation to improve the efficiency of performance of nickel nanostructures as anodes of lithium-ion batteries. *Materials Research Express*, **2019**, 6, 055026	1.7	10
37	Changes in structural and conducting characteristics of zinc nanotubes by bombardment with Xe+22 heavy ions. *High Energy Chemistry*, **2017**, 51, 11-16	0.9	8

36	Synthesis of gold nanostructures using wet chemical deposition in SiO2/Si template. *Lithuanian Journal of Physics*, **2019**, 59,	1.1	7
35	Influence of irradiation with heavy Kr15+ ions on the structural, optical and strength properties of BeO ceramic. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 15375-15385	2.1	7
34	Copper nanostructures into pores of SiO2/Si template: galvanic displacement, chemical and structural characterization. *Materials Research Express*, **2019**, 6, 105058	1.7	6
33	Controlled template synthesis and properties of cobalt nanotubes. *Petroleum Chemistry*, **2016**, 56, 956-962	1.1	6
32	Effects of C3+ion irradiation on structural, electrical and magnetic properties of Ni nanotubes. *Materials Research Express*, **2018**, 5, 035021	1.7	5
31	Effect of thermal annealing on the structural and conducting properties of zinc nanotubes synthesized in the matrix of track-etched membranes. *Petroleum Chemistry*, **2016**, 56, 330-334	1.1	5
30	Obtaining of Ni nanotubes with specified properties. *Materials Research Express*, **2018**, 5, 035024	1.7	4
29	Study of the Effect of Low-Energy Irradiation with O2+ Ions on Radiation Hardening and Modification of the Properties of Thin TiO2 Films. *Journal of Inorganic and Organometallic Polymers and Materials*, **2021**, 31, 790-801	3.2	4
28	Study of the Reactivity of Ni Nanotubes in Media with Different □€*Crystallography Reports*, **2018**, 63, 90-95	0.6	3
27	Investigation of the influence of electron irradiation on the properties of cobalt nanotubes. *Crystallography Reports*, **2017**, 62, 739-744	0.6	3
26	Changes in the structure and conducting properties of copper nanotubes as a result of bombardment with O3+ ions. *High Energy Chemistry*, **2017**, 51, 375-380	0.9	2
25	SRIM Simulation of Carbon Ions Interaction with Ni Nanotubes. *Materials Today: Proceedings*, **2019**, 7, 872-877	1.4	2
24	The study of changes in structural properties of Cu films under ionizing radiation. *Materials Research Express*, **2018**, 5, 055008	1.7	2
23	Study on changes in structural properties of Ni/Cu dendrites under irradiation by He-particles. *Materials Research Express*, **2018**, 5, 035054	1.7	2
22	Deposition of Gold Nanostructures into Porous SiO2□i Templates from the Electrolyte Based on Au(I) Sulfite Complex. *International Journal of Nanoscience*, **2019**, 18, 1940065	0.6	2
21	Dynamics of Radiation Damage in AlN Ceramics under High-Dose Irradiation, Typical for the Processes of Swelling and Hydrogenation. *Crystals*, **2020**, 10, 546	2.3	2
20	Study of Corrosion Resistance and Degradation Mechanisms in LiTiO2-Li2TiO3 Ceramic. *Crystals*, **2021**, 11, 753	2.3	2
19	Thermal annealing-induced modification of the structure and electrical conductivity of metallic nanotubes embedded in PET track-etched membranes. *Chemical Papers*, **2018**, 72, 173-180	1.9	2

18	Radiation Stability of Copper Films under Irradiation with He2+ Ions. *High Energy Chemistry*, **2018**, 52, 419-422	0.9	2
17	Study of Phase Formation Processes in Li2ZrO3 Ceramics Obtained by Mechanochemical Synthesis. *Crystals*, **2022**, 12, 21	2.3	2
16	Study of Degradation Mechanisms of Strength and Thermal-Physical Properties of Nitride and Carbide Ceramics Promising Materials for Nuclear Energy. *Nanomaterials*, **2022**, 12, 1789	5.4	2
15	Ionizing Radiation Effects in Ni Nanotubes. *IOP Conference Series: Materials Science and Engineering*, **2017**, 168, 012056	0.4	1
14	Study of the radiation resistance of Ni nanotubes to irradiation with Xe22+ ions with an energy equal to fission fragments. *Surface and Coatings Technology*, **2020**, 391, 125719	4.4	1
13	The Study of the Applicability of Electron Irradiation for FeNi Microtubes Modification. *Nanomaterials*, **2019**, 10,	5.4	1
12	Study of Resistance to Helium Swelling of Lithium-Containing Ceramics under High-Temperature Irradiation. *Crystals*, **2021**, 11, 1350	2.3	1
11	Study of irradiation temperature effect on change of structural, optical, and strength properties of BeO ceramics when irradiated with Ar8+ and Xe22 heavy ions. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 10906-10918	2.1	1
10	The effect of electron irradiation on structural properties of cobalt nanotubes. *Technical Physics Letters*, **2016**, 42, 1018-1021	0.7	1
9	Formation of Stable Lithium-Containing Ceramics Using Solid-Phase Synthesis Method. *Crystals*, **2021**, 11, 1177	2.3	1
8	Study of the effect of Fe doping on the structural and optical properties of CdSe films obtained using the electrochemical deposition method. *Journal of Materials Science: Materials in Electronics*, **2021**, 32, 25385	2.1	1
7	Research of Structural, Strength and Thermal Properties of ZrO2–TeO2 Ceramics Doped with Yttrium. *Crystals*, **2022**, 12, 242	2.3	0
6	Effect of Irradiation with Low-Energy He2+ Ions on Degradation of Structural, Strength and Heat-Conducting Properties of BeO Ceramics. *Crystals*, **2022**, 12, 69	2.3	0
5	Study of the efficiency of increasing the Bi2O3 concentration on the optical, radiation shielding and strength characteristics of 0.5TeO2-(0.5-x)WO3-xBi2O3 glasses. *Optical Materials*, **2021**, 120, 111494	3.3	0
4	Study of Radiation Resistance to Helium Swelling of Li2ZrO3/LiO and Li2ZrO3 Ceramics. *Crystals*, **2022**, 12, 384	2.3	0
3	Investigation of the Structural Changes and Catalytic Properties of FeNi Nanostructures as a Result of Exposure to Gamma Radiation. *Crystals*, **2020**, 10, 254	2.3	
2	Study of the Application Efficiency of Irradiation with Heavy Ions to Increase the Helium Swelling Resistance of BeO Ceramics. *Metals*, **2022**, 12, 307	2.3	
1	Study of Structural, Strength, and Thermophysical Properties of Li2+4xZr4–xO3 Ceramics. *Technologies*, **2022**, 10, 58	2.4	