

Artem Kozlovskiy

List of Publications by Year in descending order

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274
papers

5,627
citations

76326

40
h-index

106344

65
g-index

279
all docs

279
docs citations

279
times ranked

2461
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of the Efficiency of Detection and Capture of Manganese in Aqueous Solutions of FeCeOx Nanocomposites Doped with Nb2O5. <i>Sensors</i> , 2020, 20, 4851.	3.8	274
2	Phase transformations in FeCo-Fe2CoO4/Co3O4-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.	2.2	232
3	Effect of doping of Ce4+/3+ on optical, strength and shielding properties of (0.5-x)TeO2-0.25MoO-0.25Bi2O3-xCeO2 glasses. <i>Materials Chemistry and Physics</i> , 2021, 263, 124444.	4.0	224
4	FeCo-Fe2CoO4/Co3O4 nanocomposites: Phase transformations as a result of thermal annealing and practical application in catalysis. <i>Ceramics International</i> , 2020, 46, 10262-10269.	4.8	168
5	Fe3O4 Nanoparticles for Complex Targeted Delivery and Boron Neutron Capture Therapy. <i>Nanomaterials</i> , 2019, 9, 494.	4.1	128
6	Immobilization of boron-rich compound on Fe3O4 nanoparticles: Stability and cytotoxicity. <i>Journal of Alloys and Compounds</i> , 2019, 797, 573-581.	5.5	117
7	The study of the structural characteristics and catalytic activity of Co/CoCo2O4 nanowires. <i>Composites Part B: Engineering</i> , 2020, 191, 107968.	12.0	109
8	Study of phase transformations in Co/CoCo2O4 nanowires. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152450.	5.5	106
9	Peculiarities of the magnetic structure and microwave properties in Ba(Fe1-xScx)12O19 (x<0.1) hexaferrites. <i>Journal of Alloys and Compounds</i> , 2020, 822, 153575.	5.5	100
10	Control of Growth Mechanism of Electrodeposited Nanocrystalline NiFe Films. <i>Journal of the Electrochemical Society</i> , 2019, 166, D173-D180.	2.9	97
11	The effect of lithium doping on the ferroelectric properties of LST ceramics. <i>Ceramics International</i> , 2020, 46, 14548-14557.	4.8	97
12	Research of the shielding effect and radiation resistance of composite CuBi2O4 films as well as their practical applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11729-11740.	2.2	97
13	Synthesis, structural, strength and corrosion properties of thin films of the type CuX (X=Bi, Mg, Ni). <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 11819-11832.	2.2	95
14	Features of crystal and magnet-structure of the BaFe12-xGaxO19 (x=0-2) in the wide temperature range. <i>Journal of Alloys and Compounds</i> , 2019, 791, 522-529.	3.5	93
15	Features of the Growth Processes and Magnetic Domain Structure of NiFe Nano-objects. <i>Journal of Physical Chemistry C</i> , 2019, 123, 26957-26964.	3.1	91
16	Synthesis, phase composition and magnetic properties of double perovskites of A(FeM)O4-x type (A=Ce; M=Co, Ni, Mn, Fe). <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11729-11740.	4.8	84
17	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. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 7410-7422.	2.2	80
18	Study of the effect of ion irradiation on increasing the photocatalytic activity of WO3 microparticles. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 3863-3877.	2.2	79

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19	“Green” approach for obtaining stable pectin-capped silver nanoparticles: Physico-chemical characterization and antibacterial activity. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 585, 124141.	4.7	76
20	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. <i>Nanomaterials</i> , 2020, 10, 1077.	4.1	72
21	Effect of the Synthesis Conditions and Microstructure for Highly Effective Electron Shields Production Based on Bi Coatings. <i>ACS Applied Energy Materials</i> , 2018, 1, 1695-1702.	5.1	65
22	Preparation of PET track-etched membranes for membrane distillation by photo-induced graft polymerization. <i>Materials Chemistry and Physics</i> , 2018, 205, 55-63.	4.0	65
23	Function composites materials for shielding applications: Correlation between phase separation and attenuation properties. <i>Journal of Alloys and Compounds</i> , 2019, 771, 238-245.	5.5	63
24	Helium swelling in WO ₃ microcomposites. <i>Ceramics International</i> , 2020, 46, 10521-10529.	4.8	62
25	Study of the effect of La ³⁺ doping on the properties of ceramics based on BaTiO _x . <i>Vacuum</i> , 2019, 168, 108838.	3.5	61
26	Study of the stability of the structural properties of CeO ₂ microparticles to helium irradiation. <i>Surface and Coatings Technology</i> , 2020, 383, 125286.	4.8	59
27	Electrochemical Behaviour of Ti/Al ₂ O ₃ /Ni Nanocomposite Material in Artificial Physiological Solution: Prospects for Biomedical Application. <i>Nanomaterials</i> , 2020, 10, 173.	4.1	55
28	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.	2.2	55
29	Synthesis of LiBaZrO _x ceramics with a core-shell structure. <i>Ceramics International</i> , 2020, 46, 6217-6221.	4.8	54
30	Optical and structural properties of AlN ceramics irradiated with heavy ions. <i>Optical Materials</i> , 2019, 91, 130-137.	3.6	53
31	Influence of titanium substitution on structure, magnetic and electric properties of barium hexaferrites BaFe ₁₂ xTi _x O ₁₉ . <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 498, 166117.	2.3	53
32	Early-Stage Growth Mechanism and Synthesis Conditions-Dependent Morphology of Nanocrystalline Bi Films Electrodeposited from Perchlorate Electrolyte. <i>Nanomaterials</i> , 2020, 10, 1245.	4.1	53
33	The study of the prospects for the use of Li _{0.15} Sr _{0.85} TiO ₃ ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 6764-6772.	2.2	50
34	Structure and corrosion properties of thin TiO ₂ films obtained by magnetron sputtering. <i>Vacuum</i> , 2019, 164, 224-232.	3.5	49
35	Evolution of the polyethylene terephthalate track membranes parameters at the etching process. <i>Journal of Contemporary Physics</i> , 2017, 52, 155-160.	0.6	47
36	Comprehensive Study of Ni Nanotubes for Bioapplications: From Synthesis to Payloads Attaching. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-9.	2.7	45

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37	Formation and corrosion properties of Ni-based composite material in the anodic alumina porous matrix. <i>Journal of Alloys and Compounds</i> , 2019, 804, 139-146.	5.5	44
38	Study of hydrogenation processes in radiation-resistant nitride ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 11227-11237.	2.2	44
39	Investigation of phase transformations and corrosion resistance in Co/CoCo ₂ O ₄ nanowires and their potential use as a basis for lithium-ion batteries. <i>Scientific Reports</i> , 2019, 9, 16646.	3.3	43
40	Control of structural parameters and thermal conductivity of BeO ceramics using heavy ion irradiation and post-radiation annealing. <i>Ceramics International</i> , 2019, 45, 15412-15416.	4.8	43
41	Preparation and morphology-dependent wettability of porous alumina membranes. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1423-1436.	2.8	42
42	Dynamics of changes in structural properties of AlN ceramics after Xe ⁺²² ion irradiation. <i>Vacuum</i> , 2018, 155, 412-422.	3.5	42
43	The influence of the synthesis conditions on the magnetic behaviour of the densely packed arrays of Ni nanowires in porous anodic alumina membranes. <i>RSC Advances</i> , 2021, 11, 3952-3962.	3.6	40
44	Synthesis, phase composition and structural and conductive properties of ferroelectric microparticles based on ATiOx (A = Ba, Ca, Sr). <i>Ceramics International</i> , 2019, 45, 17236-17242.	4.8	39
45	The effect of oxidation pretreatment of polymer template on the formation and catalytic activity of Au/PET membrane composites. <i>Chemical Papers</i> , 2017, 71, 2353-2358.	2.2	38
46	Influence of electrodeposition parameters on structural and morphological features of Ni nanotubes. <i>Physics of Metals and Metallography</i> , 2017, 118, 164-169.	1.0	36
47	Growth mechanisms of spatially separated copper dendrites in pores of a SiO ₂ template. <i>Philosophical Magazine</i> , 2017, 97, 2268-2283.	1.6	35
48	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.	2.2	35
49	Stability and cytotoxicity study of NiFe ₂ O ₄ nanocomposites synthesized by co-precipitation and subsequent thermal annealing. <i>Ceramics International</i> , 2020, 46, 16548-16555.	4.8	35
50	Study of phase transformations, structural, corrosion properties and cytotoxicity of magnetite-based nanoparticles. <i>Vacuum</i> , 2019, 163, 236-247.	3.5	33
51	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.	2.2	32
52	Evolution of the absorption edge of PET films irradiated with Kr ions after thermal annealing and ageing. <i>Optical Materials</i> , 2021, 119, 111348.	3.6	30
53	Changes in optical and structural properties of AlN after irradiation with C ²⁺ ions of 40 keV. <i>Vacuum</i> , 2019, 161, 103-110.	3.5	29
54	Study of Ni/Fe nanotube properties. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 365, 663-667.	1.4	28

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55	Investigation of the influence of irradiation with Fe ⁺⁷ ions on structural properties of AlN ceramics. <i>Materials Research Express</i> , 2018, 5, 065502.	1.6	28
56	Synthesis and Properties of Ferrite-Based Nanoparticles. <i>Nanomaterials</i> , 2019, 9, 1079.	4.1	28
57	Tunable synthesis of copper nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2016, 110, 012013.	0.6	26
58	Magnetic Properties of the Densely Packed Ultra-Long Ni Nanowires Encapsulated in Alumina Membrane. <i>Nanomaterials</i> , 2021, 11, 1775.	4.1	26
59	Degradation mechanism and way of surface protection of nickel nanostructures. <i>Materials Chemistry and Physics</i> , 2019, 223, 88-97.	4.0	25
60	Mossbauer research of Fe/Co nanotubes based on track membranes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 381, 103-109.	1.4	24
61	Electrochemically deposited copper nanotubes. <i>Journal of Surface Investigation</i> , 2017, 11, 270-275.	0.5	24
62	Magnetic and microwave properties of carbonyl iron in the high frequency range. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 490, 165493.	2.3	24
63	Multilayer spin-valve CoFeP/Cu nanowires with giant magnetoresistance. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156474.	5.5	24
64	Investigation of radiation resistance of AlN ceramics. <i>Vacuum</i> , 2019, 159, 144-151.	3.5	23
65	The effect of doping of TiO ₂ thin films with low-energy O ₂ ⁺ ions on increasing the efficiency of hydrogen evolution in photocatalytic reactions of water splitting. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 21142-21153.	2.2	23
66	Modification of Fe ₃ O ₄ nanoparticles with carboranes. <i>Materials Research Express</i> , 2018, 5, 105011.	1.6	22
67	The study of the applicability of ionizing radiation to increase the photocatalytic activity of TiO ₂ thin films. <i>Journal of Nanostructure in Chemistry</i> , 2020, 10, 331-346.	9.1	22
68	Electron/gamma radiation-induced synthesis and catalytic activity of gold nanoparticles supported on track-etched poly(ethylene terephthalate) membranes. <i>Materials Chemistry and Physics</i> , 2018, 217, 31-39.	4.0	21
69	Iron oxide @ gold nanoparticles: Synthesis, properties and potential use as anode materials for lithium-ion batteries. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 603, 125178.	4.7	21
70	Defect formation in AlN after irradiation with He ²⁺ ions. <i>Ceramics International</i> , 2019, 45, 8130-8137.	4.8	20
71	Argon ion irradiation effect on Zn nanotubes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 3621-3630.	2.2	19
72	Luminescence of the tungsten-activated MgF ₂ ceramics synthesized under the electron beam. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018, 435, 263-267.	1.4	19

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73	Immobilization of carborane derivatives on Ni/Fe nanotubes for BNCT. Journal of Nanoparticle Research, 2018, 20, 1.	1.9	19
74	Copper nanotube composite membrane as a catalyst in Mannich reaction. Chemical Papers, 2018, 72, 3189-3194.	2.2	19
75	Investigation of the effect of ionizing radiation on the structural and conductive characteristics of Ni nanostructures. Vacuum, 2019, 163, 103-109.	3.5	19
76	Influence of He-ion irradiation of ceramic AlN. Vacuum, 2019, 163, 45-51.	3.5	19
77	FeNi nanotubes: perspective tool for targeted delivery. Applied Nanoscience (Switzerland), 2019, 9, 835-844.	3.1	18
78	Synthesis of Ni@Au core-shell magnetic nanotubes for bioapplication and SERS detection. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2021, 626, 127077.	4.7	18
79	Structure and physical properties of iron nanotubes obtained by template synthesis. Physics of the Solid State, 2017, 59, 784-790.	0.6	17
80	Influence of deposition temperature on the structure and catalytic properties of the copper nanotubes composite membranes. Materials Research Express, 2018, 5, 065041.	1.6	17
81	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.	3.5	17
82	Study of Magnetic Properties of Fe _{100-x} Ni _x Nanostructures Using the Mössbauer Spectroscopy Method. Nanomaterials, 2019, 9, 757.	4.1	17
83	Study of the applicability of directional modification of nanostructures to improve the efficiency of their performance as the anode material of lithium-ion batteries. Materials Research Express, 2019, 6, 075066.	1.6	17
84	FeCo nanotubes: possible tool for targeted delivery of drugs and proteins. Applied Nanoscience (Switzerland), 2019, 9, 1091-1099.	3.1	17
85	Study of gamma radiation shielding efficiency with radiation-resistant Bi ₂ O ₃ -TeO ₂ -WO ₃ ceramics. Solid State Sciences, 2021, 115, 106604.	3.2	17
86	Biosynthesis of lactic acid in a membrane bioreactor for cleaner technology of polylactide production. Clean Technologies and Environmental Policy, 2017, 19, 869-882.	4.1	16
87	Effect of ionizing radiation on structural and conductive properties of copper nanotubes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2018, 382, 175-179.	2.1	16
88	Influence of temperature and electrodeposition potential on structure and magnetic properties of nickel nanotubes. Journal of Magnetism and Magnetic Materials, 2019, 489, 165436.	2.3	16
89	Correlation between structural and magnetic properties of FeNi nanotubes with different lengths. Journal of Alloys and Compounds, 2019, 810, 151874.	5.5	15
90	Structure, electrical properties and luminescence of ZnO nanocrystals deposited in SiO ₂ /Si track templates. Radiation Measurements, 2019, 125, 52-56.	1.4	15

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91	Study of the effect of irradiation with Fe ⁷⁺ ions on the structural properties of thin TiO ₂ foils. <i>Materials Research Express</i> , 2019, 6, 046309.	1.6	15
92	Evolution of morphology, structure, and magnetic parameters of Ni nanotubes with growth in pores of a PET template. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 497, 165913.	2.3	15
93	Synthesis, phase transformations, optical properties and efficiency of gamma radiation shielding by Bi ₂ O ₃ -TeO ₂ -WO ₃ ceramics. <i>Optical Materials</i> , 2021, 113, 110846.	3.6	15
94	Temperature Dependent Catalytic Activity of Ag/PET Ion-Track Membranes Composites. <i>Acta Physica Polonica A</i> , 2015, 128, 871-875.	0.5	15
95	Study of the mechanisms of the t-ZrO ₂ → c-ZrO ₂ type polymorphic transformations in ceramics as a result of irradiation with heavy Xe ²²⁺ ions. <i>Solid State Sciences</i> , 2022, 123, 106791.	3.2	15
96	The behavior of Ni nanotubes under the influence of environments with different acidities. <i>CrystEngComm</i> , 2018, 20, 3258-3266.	2.6	14
97	The influence of thermal annealing on structural properties of Ni nanotubes. <i>Vacuum</i> , 2018, 153, 254-261.	3.5	14
98	Characterization and magnetic properties of hollow Fe ₃ O ₄ microspheres obtained by sol gel and spray roasting methods. <i>Journal of Science: Advanced Materials and Devices</i> , 2019, 4, 483-491.	3.1	14
99	Induced ordering in polyethylene terephthalate films irradiated with Ar ions with an energy of 70 MeV. <i>Surface and Coatings Technology</i> , 2020, 386, 125490.	4.8	14
100	Assessment of the Irradiation Exposure of PET Film with Swift Heavy Ions Using the Interference-Free Transmission UV-Vis Transmission Spectra. <i>Polymers</i> , 2021, 13, 358.	4.5	14
101	Mechanisms of elastoplastic deformation and their effect on hardness of nanogranular Ni-Fe coatings. <i>International Journal of Mechanical Sciences</i> , 2022, 215, 106952.	6.7	14
102	Synthesis of ZnO Nanocrystals in SiO ₂ /Si Track Template: Effect of Electrodeposition Parameters on Structure. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1800408.	1.5	13
103	Radiation resistance of AlN ceramics as a result of irradiation with low-energy C ²⁺ ions. <i>Materials Characterization</i> , 2019, 150, 88-97.	4.4	13
104	Induced Spirals in Polyethylene Terephthalate Films Irradiated with Ar Ions with an Energy of 70 MeV. <i>Crystals</i> , 2020, 10, 427.	2.2	13
105	Influence of irradiation temperature on properties change of AlN ceramics. <i>Vacuum</i> , 2018, 158, 93-100.	3.5	12
106	Study of the effect of irradiation with Ca ⁵⁺ ions on the increase in Ni nanotubes lifetime, applicable as the basis for lithium-ion batteries. <i>Materials Research Express</i> , 2019, 6, 085074.	1.6	12
107	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.	1.6	12
108	Ion Charge Influence on the Molecular Structure of Polyethylene Terephthalate Films after Irradiation with Swift Heavy Ions. <i>Crystals</i> , 2020, 10, 479.	2.2	12

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109	Effect of irradiation with heavy Xe ²²⁺ ions with energies of 165–230 MeV on change in optical characteristics of ZrO ₂ ceramic. <i>Optical Materials</i> , 2021, 120, 111479.	3.6	12
110	Magnetic-plasmonic Ni nanotubes covered with gold for improvement of SERS analysis. <i>Journal of Alloys and Compounds</i> , 2022, 901, 163661.	5.5	12
111	Synthesis of ZnO nanocrystals in a-SiO ₂ /Si ion track templates. <i>Surface and Coatings Technology</i> , 2018, 355, 11-15.	4.8	11
112	The use of pulsed beams for increasing radiation resistance of ceramics. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 15724-15733.	2.2	11
113	Morphology and Microstructure Evolution of Gold Nanostructures in the Limited Volume Porous Matrices. <i>Sensors</i> , 2020, 20, 4397.	3.8	11
114	Immobilization of carboranes on Fe ₃ O ₄ -polymer nanocomposites for potential application in boron neutron cancer therapy. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2020, 601, 125035.	4.7	11
115	Study of Helium Swelling and Embrittlement Mechanisms in SiC Ceramics. <i>Crystals</i> , 2022, 12, 239.	2.2	11
116	Ion-Track Template Synthesis and Characterization of ZnSeO ₃ Nanocrystals. <i>Crystals</i> , 2022, 12, 817.	2.2	11
117	Modification of structural and conductive properties of Zn nanotubes by irradiation with electrons with an energy of 5 MeV. <i>Materials Research Express</i> , 2017, 4, 125023.	1.6	10
118	Synthesis and properties of Cu/CuO nanostructures obtained by electrochemical deposition. <i>Materials Research Express</i> , 2018, 5, 035052.	1.6	10
119	Optimization of PET Ion-Track Membranes Parameters. <i>Materials Today: Proceedings</i> , 2019, 7, 866-871.	1.8	10
120	Photocatalytically active filtration systems based on modified with titanium dioxide PET-membranes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2019, 460, 212-215.	1.4	10
121	The investigation of various type irradiation effects on aluminum nitride ceramic. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 8777-8787.	2.2	10
122	Degradation processes and helium swelling in beryllium oxide. <i>Surface and Coatings Technology</i> , 2020, 386, 125498.	4.8	10
123	Efficiency of Magnetostatic Protection Using Nanostructured Permalloy Shielding Coatings Depending on Their Microstructure. <i>Nanomaterials</i> , 2021, 11, 634.	4.1	10
124	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	9
125	Effect of electronic modification on nanostructures stability to degradation. <i>Materials Research Express</i> , 2018, 5, 075010.	1.6	9
126	The effect of Ni ¹²⁺ heavy ion irradiation on the optical and structural properties of BeO ceramics. <i>Ceramics International</i> , 2020, 46, 4065-4070.	4.8	9

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127	Phase transformations and changes in the dielectric properties of nanostructured perovskite-like LBZ composites as a result of thermal annealing. <i>Ceramics International</i> , 2020, 46, 14460-14468.	4.8	9
128	Study of the effect of doping CeO ₂ in TeO ₂ –MoO ₃ –Bi ₂ O ₃ ceramics on the phase composition, optical properties and shielding efficiency of gamma radiation. <i>Optical Materials</i> , 2021, 115, 111037.	3.6	9
129	Track-Etch membranes: the Kazakh experience. , 0, 76, 143-147.		9
130	Radiation resistance of thin TiN films as a result of irradiation with low-energy Kr ¹⁴⁺ ions. <i>Ceramics International</i> , 2020, 46, 7970-7976.	4.8	8
131	Blistering in Helium-Ion-Irradiated Zirconium, Aluminum, and Chromium Nitride Films. <i>Journal of Surface Investigation</i> , 2020, 14, 359-365.	0.5	8
132	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.	3.7	8
133	Study of the radiation disordering mechanisms of AlN ceramic structure as a result of helium swelling. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 21658-21669.	2.2	8
134	Magnetic Nanostructured System for Biomedical Applications Based on FeNi Nanotubes. <i>Nanotechnologies in Russia</i> , 2018, 13, 331-336.	0.7	7
135	Determination of Optimal Conditions for Electroless Synthesis of Copper Nanotubes in the Polymer Matrix. <i>Russian Journal of General Chemistry</i> , 2018, 88, 1213-1218.	0.8	7
136	Study of Helium Swelling in Nitride Ceramics at Different Irradiation Temperatures. <i>Materials</i> , 2019, 12, 2415.	2.9	7
137	Effect of irradiation with C ²⁺ and O ²⁺ ions on the structural and conductive characteristics of copper nanostructures. <i>Materials Research Express</i> , 2019, 6, 075072.	1.6	7
138	Phase transformations as a result of thermal annealing of nanocomposite Fe–Ni / Fe–Ni–O particles. <i>Ceramics International</i> , 2020, 46, 1586-1595.	4.8	7
139	Carboranes immobilization on Fe ₃ O ₄ nanocomposites for targeted delivery. <i>Materials Today Communications</i> , 2020, 24, 101247.	1.9	7
140	Synthesis of gold nanostructures using wet chemical deposition in SiO ₂ /Si template. <i>Lithuanian Journal of Physics</i> , 2019, 59, .	0.4	7
141	Research of Structural, Strength and Thermal Properties of ZrO ₂ –CeO ₂ Ceramics Doped with Yttrium. <i>Crystals</i> , 2022, 12, 242.	2.2	7
142	Synthesis, Properties and Photocatalytic Activity of CaTiO ₃ -Based Ceramics Doped with Lanthanum. <i>Nanomaterials</i> , 2022, 12, 2241.	4.1	7
143	Controlled template synthesis and properties of cobalt nanotubes. <i>Petroleum Chemistry</i> , 2016, 56, 956-962.	1.4	6
144	Asymmetrical track-etched membranes prepared by double-sided irradiation on the DC-60 cyclotron. <i>Petroleum Chemistry</i> , 2017, 57, 489-497.	1.4	6

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145	Study of irradiation effect of Xe+22 and Kr+14 ions on structural properties of Zn nanotubes. Journal of Physics Condensed Matter, 2018, 30, 125301.	1.8	6
146	Copper nanostructures into pores of SiO ₂ /Si template: galvanic displacement, chemical and structural characterization. Materials Research Express, 2019, 6, 105058.	1.6	6
147	Study of the photocatalytic activity of irradiated WO ₃ microparticles. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	6
148	Radiation defects upon irradiation with Kr ¹⁴⁺ ions of TaC _{0.81} ceramics. Surface and Coatings Technology, 2020, 386, 125499.	4.8	6
149	Study of the influence of synthesis conditions on stoichiometry and the properties of nanostructured CdSe thin films. Journal of Materials Science: Materials in Electronics, 2020, 31, 12756-12764.	2.2	6
150	Structure and magnetic properties of FeCo nanotubes obtained in pores of ion track templates. Nano Structures Nano Objects, 2021, 26, 100691.	3.5	6
151	Boron and Gadolinium Loaded Fe ₃ O ₄ Nanocarriers for Potential Application in Neutron Capture Therapy. International Journal of Molecular Sciences, 2021, 22, 8687.	4.1	6
152	Solid-phase synthesis and study of the structural, optical, and photocatalytic properties of the ATiO ₃ , Aa€‰=â€‰Ca, Sr, Ba ceramic. Journal of Materials Science: Materials in Electronics, 2021, 32, 24436-24445.	2.2	6
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