

Daria I Tishkevich

List of Publications by Year in descending order

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68
papers

3,877
citations

81900

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70
all docs

70
docs citations

70
times ranked

1935
citing authors

#	ARTICLE	IF	CITATIONS
1	Polarization origin and iron positions in indium doped barium hexaferrites. <i>Ceramics International</i> , 2018, 44, 290-300.	4.8	240
2	Investigation into the structural features and microwave absorption of doped barium hexaferrites. <i>Dalton Transactions</i> , 2017, 46, 9010-9021.	3.3	136
3	Preparation and investigation of structure, magnetic and dielectric properties of $(\text{BaFe}_{11.9}\text{Al}_{0.1}\text{O}_{19})_{1-x}(\text{BaTiO}_3)_x$ bicomponent ceramics. <i>Ceramics International</i> , 2018, 44, 21295-21302.	4.8	130
4	Fe_3O_4 Nanoparticles for Complex Targeted Delivery and Boron Neutron Capture Therapy. <i>Nanomaterials</i> , 2019, 9, 494.	4.1	128
5	Correlation between microstructure parameters and anti-cancer activity of the $[\text{Mn}_{0.5}\text{Zn}_{0.5}](\text{Eu}_x\text{Nd}_x\text{Fe}_{2-2x})\text{O}_4$ nanoferrites produced by modified sol-gel and ultrasonic methods. <i>Ceramics International</i> , 2020, 46, 7346-7354.	4.8	128
6	Immobilization of boron-rich compound on Fe_3O_4 nanoparticles: Stability and cytotoxicity. <i>Journal of Alloys and Compounds</i> , 2019, 797, 573-581.	5.5	117
7	Magnetic and dipole moments in indium doped barium hexaferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 457, 83-96.	2.3	113
8	Influence of the dysprosium ions on structure, magnetic characteristics and origin of the reflection losses in the Ni^{2+}Co spinels. <i>Journal of Alloys and Compounds</i> , 2020, 841, 155667.	5.5	109
9	Correlation of the atomic structure, magnetic properties and microwave characteristics in substituted hexagonal ferrites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 462, 127-135.	2.3	107
10	Magnetic, dielectric and microwave properties of the $\text{BaFe}_{12-x}\text{GaxO}_{19}$ ($x \leq 1.2$) solid solutions at room temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 442, 300-310.	2.3	105
11	Influence of the charge ordering and quantum effects in heterovalent substituted hexaferrites on their microwave characteristics. <i>Journal of Alloys and Compounds</i> , 2019, 788, 1193-1202.	5.5	105
12	Effect of gallium doping on electromagnetic properties of barium hexaferrite. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 111, 142-152.	4.0	99
13	Temperature evolution of the structure parameters and exchange interactions in $\text{BaFe}_{12-x}\text{In}_x\text{O}_{19}$. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 393-405.	2.3	98
14	Control of Growth Mechanism of Electrodeposited Nanocrystalline NiFe Films. <i>Journal of the Electrochemical Society</i> , 2019, 166, D173-D180.	2.9	97
15	Anomalies in Ni-Fe nanogranular films growth. <i>Journal of Alloys and Compounds</i> , 2018, 748, 970-978.	5.5	93
16	Peculiarities of the microwave properties of hard-soft functional composites $\text{SrTb}_{0.01}\text{Tm}_{0.01}\text{Fe}_{11.98}\text{O}_{19}\text{AFe}_2\text{O}_4$ ($\text{A} = \text{Co, Ni, Zn, Cu, or Mn}$). <i>RSC Advances</i> , 2020, 10, 32638-32651.	3.1	92
17	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
18	Electrochemical deposition regimes and critical influence of organic additives on the structure of Bi films. <i>Journal of Alloys and Compounds</i> , 2018, 735, 1943-1948.	5.5	87

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19	AC and DC-shielding properties for the Ni ₈₀ Fe ₂₀ /Cu film structures. Journal of Magnetism and Magnetic Materials, 2017, 443, 142-148.	2.3	86
20	Impact of the Nanocarbon on Magnetic and Electrodynamic Properties of the Ferrite/Polymer Composites. Nanomaterials, 2022, 12, 868.	4.1	73
21	Correlation of the synthesis conditions and microstructure for Bi-based electron shields production. Journal of Alloys and Compounds, 2018, 749, 1036-1042.	5.5	72
22	The Effect of Heat Treatment on the Microstructure and Mechanical Properties of 2D Nanostructured Au/NiFe System. Nanomaterials, 2020, 10, 1077.	4.1	72
23	Effect of the Synthesis Conditions and Microstructure for Highly Effective Electron Shields Production Based on Bi Coatings. ACS Applied Energy Materials, 2018, 1, 1695-1702.	5.1	65
24	Impact of the heat treatment conditions on crystal structure, morphology and magnetic properties evolution in BaM nanohexaferrites. Journal of Alloys and Compounds, 2021, 866, 158961.	5.5	65
25	Function composites materials for shielding applications: Correlation between phase separation and attenuation properties. Journal of Alloys and Compounds, 2019, 771, 238-245.	5.5	63
26	Study of comprehensive shielding behaviors of chambersite deposit for neutron and gamma ray. Progress in Nuclear Energy, 2022, 146, 104155.	2.9	60
27	Experimental and Theoretical Study of Radiation Shielding Features of CaO-K ₂ O-Na ₂ O-P ₂ O ₅ Glass Systems. Materials, 2021, 14, 3772.	2.9	59
28	Gamma-Ray Attenuation and Exposure Buildup Factor of Novel Polymers in Shielding Using Geant4 Simulation. Materials, 2021, 14, 5051.	2.9	57
29	Electrochemical Behaviour of Ti/Al ₂ O ₃ /Ni Nanocomposite Material in Artificial Physiological Solution: Prospects for Biomedical Application. Nanomaterials, 2020, 10, 173.	4.1	55
30	Early-Stage Growth Mechanism and Synthesis Conditions-Dependent Morphology of Nanocrystalline Bi Films Electrodeposited from Perchlorate Electrolyte. Nanomaterials, 2020, 10, 1245.	4.1	53
31	Radiation shielding and mechanical properties of Bi ₂ O ₃ -Na ₂ O-TiO ₂ -ZnO-TeO ₂ glass system. Radiation Physics and Chemistry, 2021, 186, 109556.	2.8	52
32	Electrocatalytic activity of various hexagonal ferrites in OER process. Materials Chemistry and Physics, 2021, 270, 124818.	4.0	51
33	Isostatic Hot Pressed W-Cu Composites with Nanosized Grain Boundaries: Microstructure, Structure and Radiation Shielding Efficiency against Gamma Rays. Nanomaterials, 2022, 12, 1642.	4.1	51
34	Upcycling of boron bearing blast furnace slag as highly cost-effective shield for protection of neutron radiation hazard: An innovative way and proposal of shielding mechanism. Journal of Cleaner Production, 2022, 355, 131817.	9.3	49
35	Fabrication of exchange coupled hard/soft magnetic nanocomposites: Correlation between composition, magnetic, optical and microwave properties. Arabian Journal of Chemistry, 2021, 14, 102992.	4.9	46
36	Studying the Thermodynamic Properties of Composite Magnetic Material Based on Anodic Alumina. Russian Microelectronics, 2019, 48, 107-118.	0.5	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	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
39	Thermal Stability of Nano-Crystalline Nickel Electrodeposited into Porous Alumina. <i>Solid State Phenomena</i> , 0, 299, 281-286.	0.3	43
40	Preparation and morphology-dependent wettability of porous alumina membranes. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 1423-1436.	2.8	42
41	Template Assisted Ni Nanowires Fabrication. <i>Materials Science Forum</i> , 0, 946, 235-241.	0.3	42
42	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
43	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
44	Formation and Corrosion Behavior of Nickel/Alumina Nanocomposites. <i>Solid State Phenomena</i> , 0, 299, 100-106.	0.3	39
45	The origin of the dual ferroic properties in quasi-centrosymmetrical SrFe ₁₂ xIn _x O ₁₉ hexaferrites. <i>Journal of Alloys and Compounds</i> , 2021, 886, 161249.	5.5	37
46	Experimental and theoretical analysis of radiation shielding properties of strontium-borate-tellurite glasses. <i>Optical Materials</i> , 2021, 121, 111589.	3.6	28
47	Electrodeposition conditions-dependent crystal structure, morphology and electronic properties of Bi films. <i>Journal of Alloys and Compounds</i> , 2021, 887, 161451.	5.5	28
48	Magnetic Properties of the Densely Packed Ultra-Long Ni Nanowires Encapsulated in Alumina Membrane. <i>Nanomaterials</i> , 2021, 11, 1775.	4.1	26
49	Multilayer spin-valve CoFeP/Cu nanowires with giant magnetoresistance. <i>Journal of Alloys and Compounds</i> , 2020, 846, 156474.	5.5	24
50	WCu composites fabrication and experimental study of the shielding efficiency against ionizing radiation. <i>Radiation Physics and Chemistry</i> , 2022, 200, 110175.	2.8	24
51	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
52	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
53	Impact of the A-site rare-earth ions (Ln ³⁺ = Sm ³⁺ , Eu ³⁺ , Gd ³⁺) on structure and electrical properties of the high entropy LnCr _{0.2} Mn _{0.2} Fe _{0.2} Co _{0.2} Ni _{0.2} O ₃ perovskites. <i>Ceramics International</i> , 2022, 48, 9239-9247.	4.8	20
54	Creation and Magnetic Study of Ferrites with Magnetoplumbite Structure Multisubstituted by Al ³⁺ , Cr ³⁺ , Ga ³⁺ , and In ³⁺ Cations. <i>Nanomaterials</i> , 2022, 12, 1306.	4.1	18

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55	A Study of Ta ₂ O ₅ Nanopillars with Ni Tips Prepared by Porous Anodic Alumina Through-Mask Anodization. <i>Nanomaterials</i> , 2022, 12, 1344.	4.1	17
56	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
57	The Interrelation of Synthesis Conditions and Wettability Properties of the Porous Anodic Alumina Membranes. <i>Nanomaterials</i> , 2022, 12, 2382.	4.1	14
58	Morphology and Microstructure Evolution of Gold Nanostructures in the Limited Volume Porous Matrices. <i>Sensors</i> , 2020, 20, 4397.	3.8	11
59	Optical and gamma ray shielding behavior of PbO-B ₂ O ₃ -Cu-CaO glasses. <i>Journal of Materials Research and Technology</i> , 2022, 18, 2494-2505.	5.8	11
60	Efficiency of Magnetostatic Protection Using Nanostructured Permalloy Shielding Coatings Depending on Their Microstructure. <i>Nanomaterials</i> , 2021, 11, 634.	4.1	10
61	Synthesis of gold nanostructures using wet chemical deposition in SiO ₂ /Si template. <i>Lithuanian Journal of Physics</i> , 2019, 59, .	0.4	7
62	Copper nanostructures into pores of SiO ₂ /Si template: galvanic displacement, chemical and structural characterization. <i>Materials Research Express</i> , 2019, 6, 105058.	1.6	6
63	The effect of the applied potentials difference on the phase composition of Co nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2021, 517, 167382.	2.3	4
64	Growth mechanism study of silver nanostructures in a limited volume. <i>Materials Chemistry and Physics</i> , 2022, 283, 126016.	4.0	3
65	Insights into Sorption/Mineralization Mechanism for Sustainable Granular Composite of MgO-CaO-Al ₂ O ₃ -SiO ₂ -CO ₂ Based on Nanosized Adsorption Centers and Its Effect on Aqueous Cu(II) Removal. <i>Nanomaterials</i> , 2022, 12, 116.	4.1	3
66	Studies of physical, optical, and radiation shielding properties of Bi ₂ O ₃ -TeO ₂ -MgO-Na ₂ O-B ₂ O ₃ glass system. <i>Optik</i> , 2022, 268, 169680.	2.9	2
67	Modification of an SiO ₂ (Au)/Si Surface by Irradiation with Argon Ions. <i>Moscow University Physics Bulletin (English Translation of Vestnik Moskovskogo Universiteta, Fizika)</i> , 2020, 75, 225-229.	0.4	1
68	Functional Bi Coatings as A Perspective Material for Radiation Shields Production against Electron Radiation. <i>Advanced Materials Letters</i> , 2020, 11, 52-56.	0.6	1