

Daryn Borgekov

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

497
citations

840776

11
h-index

677142

22
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30
all docs

30
docs citations

30
times ranked

292
citing authors

#	ARTICLE	IF	CITATIONS
1	Phase transformations in FeCo \leftrightarrow 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.	2.2	232
2	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
3	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
4	Degradation mechanism and way of surface protection of nickel nanostructures. <i>Materials Chemistry and Physics</i> , 2019, 223, 88-97.	4.0	25
5	Comparative catalytic activity of PET track-etched membranes with embedded silver and gold nanotubes. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 365, 70-74.	1.4	23
6	Evaluation of the catalytic activity of the composite track-etched membranes for p-nitrophenol reduction reaction. <i>Petroleum Chemistry</i> , 2015, 55, 810-815.	1.4	16
7	Effect of ionizing radiation on structural and conductive properties of copper nanotubes. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2018, 382, 175-179.	2.1	16
8	Influence of temperature and electrodeposition potential on structure and magnetic properties of nickel nanotubes. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 489, 165436.	2.3	16
9	Synthesis, Structure, and Catalytic Activity of Au/Poly(ethylene terephthalate) Composites. <i>Acta Physica Polonica A</i> , 2014, 125, 1263-1267.	0.5	15
10	Temperature Dependent Catalytic Activity of Ag/PET Ion-Track Membranes Composites. <i>Acta Physica Polonica A</i> , 2015, 128, 871-875.	0.5	15
11	The behavior of Ni nanotubes under the influence of environments with different acidities. <i>CrystEngComm</i> , 2018, 20, 3258-3266.	2.6	14
12	Optimization of PET Ion-Track Membranes Parameters. <i>Materials Today: Proceedings</i> , 2019, 7, 866-871.	1.8	10
13	PET Ion-Track Membranes: Formation Features and Basic Applications. <i>Springer Proceedings in Physics</i> , 2019, , 461-479.	0.2	5
14	The influence of the energy of incident protons on the defect formation and radiation resistance of AlN ceramics. <i>Solid State Sciences</i> , 2020, 107, 106367.	3.2	5
15	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.	2.2	5
16	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.	3.6	5
17	SRIM Simulation of Carbon Ions Interaction with Ni Nanotubes. <i>Materials Today: Proceedings</i> , 2019, 7, 872-877.	1.8	4
18	Impact of Testing Temperature on the Structure and Catalytic Properties of Au Nanotubes Composites. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , 2018, 13, 405.	1.1	4

#	ARTICLE	IF	CITATIONS
19	Influence of media with different acidity on structure of FeNi nanotubes. EPJ Web of Conferences, 2018, 177, 01003.	0.3	3
20	Study of the Reactivity of Ni Nanotubes in Media with Different Ni^{2+} . Crystallography Reports, 2018, 63, 90-95.	0.6	3
21	Changes in the structure and conducting properties of copper nanotubes as a result of bombardment with O^{3+} ions. High Energy Chemistry, 2017, 51, 375-380.	0.9	2
22	A simple way to control the filling degree of the SiO_2/Si template pores with nickel. Materials Today: Proceedings, 2019, 7, 860-865.	1.8	2
23	The Study of the Applicability of Electron Irradiation for FeNi Microtubes Modification. Nanomaterials, 2020, 10, 47.	4.1	2
24	FERROMAGNETIC NANOTUBES IN PORES OF TRACK MEMBRANES FOR THE FLEXIBLE ELECTRONIC ELEMENTS. Pribory I Metody Izmerenij, 2017, 8, 214-221.	0.3	2
25	Hydrophobization of track membrane surface by ion-plasma sputtering method. AIP Conference Proceedings, 2017, , .	0.4	1
26	Evolution of Structural and Magnetic Characteristics of Template Synthesized Nickel Nanotubes. NATO Science for Peace and Security Series B: Physics and Biophysics, 2019, , 113-134.	0.3	1
27	Effect of Acidity on the Morphology, Structure, and Composition of Ni Nanotubes. Russian Journal of Physical Chemistry A, 2019, 93, 125-128.	0.6	1
28	Investigation of the Structural Changes and Catalytic Properties of FeNi Nanostructures as a Result of Exposure to Gamma Radiation. Crystals, 2020, 10, 254.	2.2	0
29	Study of the rate of degradation of permalloy nanowires. Surface and Coatings Technology, 2020, 389, 125621.	4.8	0
30	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	0