

28th International Scientific Conference of Young Scientists and Specialists (AYSS-2024)

Monday 28 October 2024

Applied Research - 134/4-406 (14:50 - 16:05)

time	[id] title	presenter
14:50	[1793] Effect of swift heavy ion irradiation on microstructure and mechanical properties of structural materials for GenIV nuclear reactors	KORNEEVA, Ekaterina
15:20	[1745] The application of the chromatographic model for the isolation of heavy actinides, produced in reactions with heavy ions	БОДРОВ, Александр
15:35	[1513] Defect Engineering in Bismuth Vanadate Photoanodes via Swift Heavy Ion Irradiation for Optimized Photoelectrochemical Performance	JELIĆ, Marko
15:50	[1623] ROLE OF ALLOYING ELEMENTS IN THE FORMATION OF MECHANICAL PROPERTIES OF AISI 316LN STEEL IRRADIATED WITH NEUTRONS	BOBRUSSOVA, Yuliya

Applied Research - 134/4-406 (16:30 - 17:15)

time	[id] title	presenter
16:30	[1572] Templated electrodeposition of indium nanowires and measuring their electrical resistance	SHASHKOV, Artyom
16:45	[1501] PXI-compatible preamplifier, amplifier and single channel analyzer module for proportional gas counters	KOHOUT, Pavel
17:00	[1603] Correlation between morphology and electrochemical performance of the single-phase layered P2-Na _{0.7} MnO ₂ cathode material for sodium-ion batteries	DONETS, Marina

Tuesday 29 October 2024

Applied Research - 134/4-406 (12:45 - 13:30)

time	[id] title	presenter
12:45	[1773] Harnessing Bioengineered Solar Absorbers for Eco-Friendly Thermal Solutions	MAKINDE, Anuoluwa
13:00	[1670] Photonuclear production of platinum radioisotopes promising for theranostics	MADUMAROV, Alexander
13:15	[1699] Gd ₂ O ₃ @SiO ₂ nanoparticles with core-shell structure for magnetic resonance imaging and computed tomography	KUPRIANOV, Anton

Applied Research - 134/4-406 (14:50 - 16:05)

time	[id] title	presenter
14:50	[1715] Algorithm for Material Analysis by the K-edges for Photon-Counting Computed Tomography	SOTENSKII, Rostislav
15:05	[1772] Synthesis and Characterization of Boron and Boron Carbide Nanoparticles using the Pulsed laser Ablation in liquid for Boron Neutron Capture therapy	MADUMA, Dikeledi
15:20	[1573] An in-silico comparison of Clinical Target Volume and Clinical Target Distribution for skull base chordoma	ДИМА, Светлана
15:35	[1812] Noise amplification by a relativistic electron beam in a double coaxial plasma-metal waveguide	DONETS, Aleksandra
15:50	[1669] Effect of varying the chelating and precipitating agents volumes on LiNi _{0.8} Mn _{0.1} Co _{0.1} O ₂ (NMC811)	Mr PHOKOJOE, Rethabile

Applied Research - 134/4-406 (16:30 - 17:15)

time	[id] title	presenter
16:30	[1762] Preliminary performance of a new type of modular gamma-camera prototype	MUSIN, Sultan
16:45	[1782] Indirect Process Control Using Electrical Network Parameters for Enhanced Automation in Chemical Technologies	ABOUDEIF, SOHYLA MONTASSER AHMED