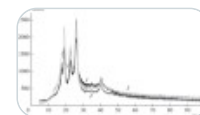




38 articles in this issue

X-ray Diffraction Studies of Changes in Crystallinity and Amorphism of Microfiltration Membranes MFFK-G-025 and MMK-045



OriginalPaper | 15 November 2025 | Pages: 783 - 790

Electrical Discharge Machining of Molybdenum Surface



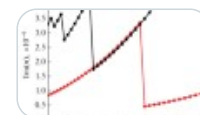
OriginalPaper | 15 November 2025 | Pages: 791 - 796

Manufacturing of Atomically Smooth High-Precision Substrates for X-ray Mirrors from Single-Crystal Silicon by Chemical-Mechanical Polishing



OriginalPaper | 15 November 2025 | Pages: 797 - 803

Multilayer Structures Based on NiMo/C for Göbel-Type Mirrors



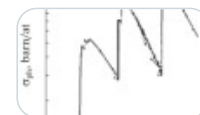
OriginalPaper | 15 November 2025 | Pages: 804 - 810

Structural Characterization of Copper Centers in Mordenite-Type Zeolite at the Oxygen Activation Stage



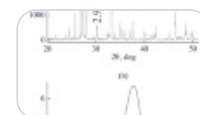
OriginalPaper | 15 November 2025 | Pages: 811 - 817

Measurement of Quantum Efficiency of Photocathodes in the Photon Energy Range 40–100 keV



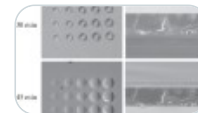
OriginalPaper | 15 November 2025 | Pages: 818 - 824

Radiation-Protective Properties of Polymer Composites with Bismuth Oxide to Gamma Radiation



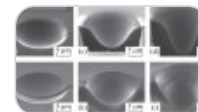
OriginalPaper | 15 November 2025 | Pages: 825 - 832

Method for Rapid Fabrication of Silicon Dioxide X-ray Microoptics



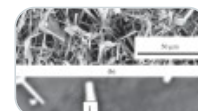
OriginalPaper | 15 November 2025 | Pages: 833 - 837

Fabrication of Silica X-ray Microlenses by Ion-Beam Lithography



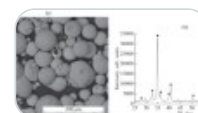
OriginalPaper | 15 November 2025 | Pages: 838 - 842

Piezo-Photocatalytic Decomposition of Metronidazole Using ZnO Microtetrapods under Simulated Sunlight



OriginalPaper | 15 November 2025 | Pages: 843 - 849

Structural Characteristics of Ceramic Composites $\text{ZrO}_2\text{-20\%Al}_2\text{O}_3$ Obtained by Additive Method



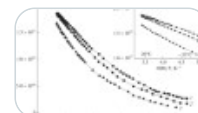
OriginalPaper | 15 November 2025 | Pages: 850 - 855

On the Applicability of Spacecraft Passive Protection



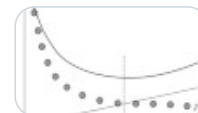
OriginalPaper | 15 November 2025 | Pages: 856 - 864

Effect of Electron Irradiation on the Parameters of Gallium Nitride in a Wide Temperature Range



OriginalPaper | 15 November 2025 | Pages: 865 - 869

Optimization of Ion Source Flow Rate



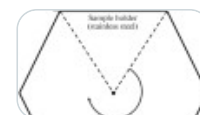
OriginalPaper | 15 November 2025 | Pages: 870 - 873

Study of the Initiation of Nuclear Reactions in Boron-Containing Targets by a Beam of Deuterium Ions with an Energy of <50 keV at the HELIS Ion Accelerator



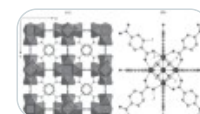
OriginalPaper | 15 November 2025 | Pages: 874 - 879

Numerical Modeling of Thermal Processes and the Effect of Heating of Near-Surface Silicon Layers on the Titanium Accumulation and Diffusion during High-Intensity Pulsed Ion Implantation



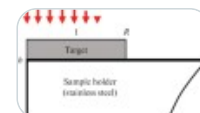
OriginalPaper | 15 November 2025 | Pages: 880 - 884

Synthesis and Research of an Organometallic Coordination Polymer UiO-66



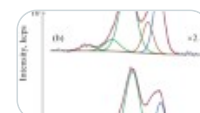
OriginalPaper | 15 November 2025 | Pages: 885 - 889

Modeling of Temperature Fields in Metals and Alloys under the Energy Impact of High-Pulse Power Ion Beams with Submillisecond Duration



OriginalPaper | 15 November 2025 | Pages: 890 - 895

Referencing the XPS Binding Energies on Oxidized Surfaces of SiC



OriginalPaper | 15 November 2025 | Pages: 896 - 904

A Comprehensive Review on Fundamental Properties and Applications of Cadmium Oxide (CdO)



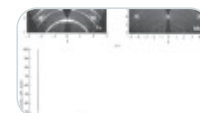
OriginalPaper | 15 November 2025 | Pages: 905 - 914

Features of High-Intensity Implantation of Chromium into Zr1%Nb Alloy Using a High-Power Density Repetitively-Pulsed Ion Beam



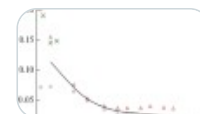
OriginalPaper | 15 November 2025 | Pages: 915 - 920

Potential of High-Frequency Cathode Sputtering Method for Synthesis of Lead-Containing Antiferroelectric Films



OriginalPaper | 15 November 2025 | Pages: 921 - 926

Calculation of the Electron Emission Coefficient during Fast Ion Passage through Silicon

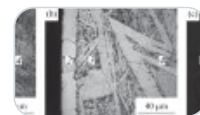


OriginalPaper | 15 November 2025 | Pages: 927 - 934

Soft X-ray Imaging Spectroscopy Based on Commercial Uncooled CMOS Detectors

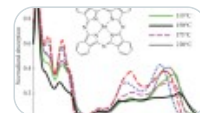


Surface Modification of Commercially Pure Titanium by Combining Plasma-Electrolytic Carburizing, Polishing, and Microarc Oxidation



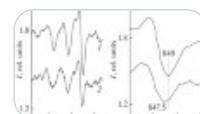
OriginalPaper | 15 November 2025 | Pages: 942 - 951

Optical Spectra, Morphology, and Photoconductivity of SnPc Thin Films Deposited at Different Temperatures



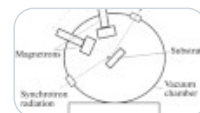
OriginalPaper | 15 November 2025 | Pages: 952 - 962

Influence of the Nickel Cluster Size at the α -Al₂O₃(0001) Surface on the Adsorption of Nitric Oxide Molecules



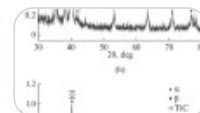
OriginalPaper | 15 November 2025 | Pages: 963 - 970

In Situ X-ray Diffraction Studies of the Growing Thin Films of YSZ and GDC Using Synchrotron Radiation



OriginalPaper | 15 November 2025 | Pages: 971 - 979

In Situ High-Temperature Synchrotron X-ray Studies of Microstructure and Phase Composition of Additively Fabricated Ti–6Al–4V/TiC Metal Matrix Composite



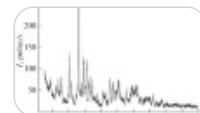
OriginalPaper | 15 November 2025 | Pages: 980 - 988

Relaxation of Plasmon Excitations in Solids



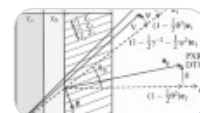
OriginalPaper | 15 November 2025 | Pages: 989 - 996

Determination of the Phase Composition of Vanadium Oxide Nanofibers



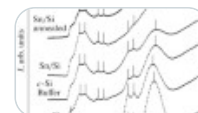
OriginalPaper | 15 November 2025 | Pages: 997 - 1000

Coherent X-ray Radiation of Relativistic Electrons in a Composite Target



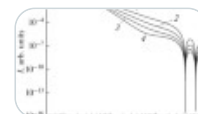
OriginalPaper | 15 November 2025 | Pages: 1001 - 1010

Electronic Structure and Substructure of Epitaxial Tin Nanolayers on Silicon According to Synchrotron Studies



OriginalPaper | 15 November 2025 | Pages: 1011 - 1024

Numerical Calculation of the Intensity of Small-Angle Neutron Scattering on Volume Fractals



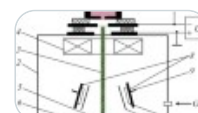
OriginalPaper | 15 November 2025 | Pages: 1025 - 1029

Transformation of the Band Structure of Nanostructured Films ZnO:Al During Photocatalysis in Ultraviolet Radiation



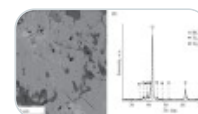
OriginalPaper | 15 November 2025 | Pages: 1030 - 1037

Effect of Substrate Temperature on the Composition and Properties of Films Deposited by Electron Beam Evaporation of Silicon Carbide in the Fore-Vacuum Pressure Range



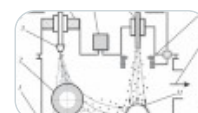
OriginalPaper | 15 November 2025 | Pages: 1038 - 1042

Microstructure, Phase Composition, and Hydrogen Absorption in TiVCr Alloy Doped with Co, Ni, and Zr



OriginalPaper | 15 November 2025 | Pages: 1043 - 1052

Influence of Annealing Parameters on the Structure and Properties of Copper-Carbon Coatings for Electrical Applications



OriginalPaper | 15 November 2025 | Pages: 1053 - 1063
