

Crystal Electric Field Effects in $\text{Pr}_{0.5}\text{Sr}_{0.5}\text{CoO}_3$ <i>E. S. Clementyev, P. A. Alekseev, V. V. Efimov, I. O. Troyanchuk, A. S. Ivanov, V. N. Lazukov, and V. V. Sikolenko</i>	553
Interference Amplification of the Magneto-Optic Kerr Effect in Multilayer Structures in the X-Ray Range <i>D. A. Tatarskiy and A. A. Fraerman</i>	559
Recharging Dynamics of Al Nanoclusters in a GaAs Matrix <i>N. V. Vostokov, V. M. Danil'tsev, and V. I. Shashkin</i>	564
Reflective Mask for Projection Lithography Operating at a Wavelength of 13.5 nm <i>S. A. Gusev, S. Yu. Zuev, A. Yu. Klimov, A. E. Pestov, V. N. Polkovnikov, V. V. Rogov, N. N. Salashchenko, E. V. Skorokhodov, M. N. Toropov, and N. I. Chkhalo</i>	568
Layer-by-layer Analysis of Structures Containing $\delta$ -Layers by Secondary Ion Mass Spectrometry Taking into Account the TOFSIMS-5 Depth Resolution Function <i>Yu. N. Drozdov, M. N. Drozdov, A. V. Novikov, P. A. Yunin, and D. V. Yurasov</i>	574
Structure and Phase Transformations Caused by Oxygen Ion Implantation into Titanium <i>D. B. Bogomolov, A. E. Gorodetskii, and V. Kh. Alimov</i>	578
Structure of Heterogeneous States and Magnetic Properties of CoPd Nanocrystalline Films <i>E. M. Artem'ev, M. E. Artem'ev, and L. N. Ruzanova</i>	587
Bi-SQUID Arrays and Parallel SQIF Structures for Active Electrically Small Antennas <i>I. I. Soloviev, V. K. Kornev, A. V. Sharafiev, N. V. Klenov, and O. A. Mukhanov</i>	591
Multilayer Structures for the Water-Window Spectral Range on the Basis of Scandium <i>S. S. Andreev, M. M. Barysheva, P. K. Gaikovich, D. E. Par'ev, and N. I. Chkhalo</i>	598
Features of the Formation of X-Ray Images in Birefringent Crystals <i>E. V. Zaitzeva, A. S. Markelov, V. N. Trushin, and E. V. Chuprunov</i>	601
Comparative Studies of the Features of the Formation of Impurity Heterogeneity in GaSb:Te Crystals in the Case of Directed Crystallization Under Space and Ground Conditions <i>Yu. A. Serebryakov, V. N. Vlasov, V. S. Sidorov, I. A. Prokhorov, I. L. Shul'pina, and E. N. Korobeinikova</i>	604
Determining the Structural Parameters of a Low-Barrier Diode with Near-Surface $\delta$ -Doping from Data on the Temperature Dependences of the Current-Voltage Characteristics <i>A. V. Murel' and V. I. Shashkin</i>	612
Estimation of Detection Limits in Electron Probe X-Ray Microanalysis <i>I. M. Romanenko, A. A. Viryus, V. A. Churin, A. S. Deyanov, and A. S. Ivanov</i>	616
Physical Properties of Silver-Coated Silica Clusters: A Computer Experiment <i>A. E. Galashev</i>	623
<b>Proceedings of XX International Conference on Ion-Surface Interaction (ISI-2011)</b>	
Study of Ion-Induced Crimping of Carbon Composite Fibers <i>V. S. Avilkina, N. N. Andrianova, A. M. Borisov, Yu. S. Virgil'ev, and E. S. Mashkova</i>	631
Simulation of Silicon Surface-Pattern Formation under Irradiation with 1-keV Ar Ions <i>A. A. Gubarev and D. A. Yakovlev</i>	635
Investigations of the Inductively Coupled Argon Plasma Sputtering of $\text{Pb}_{1-x}\text{Sn}_x\text{Te}$ Ternary Solid Solution <i>I. I. Amirov, S. P. Zimin, E. S. Gorlachev, V. V. Naumov, E. Abramof, and P. H. O. Rapp</i>	643
Low-Energy Ion Scattering by Monatomic Films <i>V. V. Evstifeev, N. V. Kostina, and I. A. Egorov</i>	647