

Contents

117-122 Structure and optical properties of AlN films obtained using the cathodic arc plasma deposition technique

A.P. Shapovalov, I.V. Korotash, E.M. Rudenko, F.F. Sizov, D.S. Dubyna, L.S. Osipov, D.Yu. Polotskiy, Z.F. Tsybrii, A.A. Korchovy

123-127 Influence of dimensional static and dynamic charges on conduction in the active zone of a quantum cascade laser

A.M. Gryschuk, I.V. Boyko

128-133 Temperature changes in the exciton absorption band observed in flat double nanoheterostructures GaAs/Al_xGa_{1-x}As

D.V. Kondryuk, A.V. Derevyanchuk, V.M. Kramar, A.A. Kudryavtsev

134-137 About self-activated orange emission in ZnO

I.V. Markevich, T.R. Stara, V.O. Bondarenko

138-143 Dependence of the collision integral on electric field

I.I. Boiko

144-146 Methodological aspects of measuring the resistivity of contacts to high-resistance semiconductors

V.S. Slipokurov, M.N. Dub, A.K. Tkachenko, Ya.Ya. Kudryk

147-151 Azimuthally invariant phase tomography of optically anisotropic sections of biological tissues

M.I. Sidor, A.O. Karachevtsev, V.P. Prysyazhnyuk

152-157 Statistical and fractal analyses of autofluorescence of myocardium tissue images in diagnostics of acute coronary insufficiency

O.V. Dubolazov, M.I. Sidor, A.O. Karachevtsev

158-163 Azimuthally invariant laser polarimetry of polycrystalline smears of biological liquids

Yu.O. Ushenko, O.V. Dubolazov, A.V. Motrich, G.B. Bodnar

164-169 Mueller-matrix reconstruction of parameters of phase and amplitude anisotropy in diagnostics of endometriosis and infertility

A.G. Ushenko, M.M. Dominikov, I.I. Lakusta,

G.D. Koval

170-174 Multifunctional polarization tomography of birefringence networks of biological crystals

O.V. Dubolazov, O.I. Olar, D.M. Burkovets

175-180 Autofluorescent polarimetry in diagnostics of endometriosis and infertility

A.G. Ushenko, G.D. Koval, D.M. Burkovets, V.O. Savich

181-187 Fluorescent Mueller-matrix polarimetry of biological tissues in differentiation of benign and malignant tumors

Yu.O. Ushenko, I.I. Lakusta, O.I. Olar, O.Yu. Novakovska

188-192 Temperature studies of optical parameters in (Ag₃AsS₃)_{0.6}(As₂S₃)_{0.4} thin films

I.P. Studenyak, M.M. Kutsyk, Y.Y. Rati, V.Yu. Izai, S. Kókényesi, L. Daróci, R. Bohdan

193-199 Polarization properties of longitudinally inhomogeneous dichroic medium

I.S. Kolomiets, S.N. Savenkov, Ye.A. Oberemok

200-204 Development of modeling methods and algorithm for calculating the current-voltage characteristics of LED modules

V.V. Shynkarenko

205-208 Influence of superionic nanoparticles Cu₆PS₅I on dielectric properties of nematic liquid crystal 6CHBT

I.P. Studenyak, P.Yu. Demko, A.V. Bendak, O.V. Kovalchuk, T.M. Kovalchuk, V. Lisý, P. Kopčanský, M. Timko, N. Tomašovičová, V. Zavisova, V. Gdovinova, J. Miskuf, I.V. Oleinikova, A.I. Lad, N.M. Kucheriyavchenkova

209-214 Structure of photoluminescence DL-spectra and phase transformation in lightly doped SiC crystals and films

S.I. Vlaskina, G.N. Mishinova, V.I. Vlaskin, V.E. Rodionov, G.S. Svechnikov

215-219 Method for determination of the absorption coefficient in films based on photoluminophore suspension for white LEDs

D.N. Khmil, A.M. Kamuz, P.F. Oleksenko, V.G. Kamuz, N.G. Aleksenko, O.A. Kamuz

220-225 Radiation-stimulated processes in silicon structures with contacts based on TiN

M.U. Nasirov, A.B. Ataubaeva

226-229 Effect of heating rate on oxidation process of fine-dispersed ZnS:Mn obtained by SHS

Yu.Yu. Bacherikov, A.G. Zhuk, O.B. Okhrimenko, D.L. Kardashov, S.V. Kozitskiy, V.V. Kidalov

230 Contents