

Contents

- 231 Optical properties of thin films of titanium with transient layers on them**
*V.V. Lendel, O.V. Lomakina,
L.Yu. Mel'nychenko, I.A. Shaykevich*
- 235 Increase of data protection level for visual information in control systems**
A.V. Bushma
- 240 Phase maps for networks of polycrystalline human biological liquids: Statistical and fractal analyses**
*Yu.O. Ushenko, V.V. Istratyy, V.O. Balanets'ka,
D.O. Kvasniyk, V.T. Bachinsky, O.I. Olar*
- 248 Polarization-singular structure in laser images of phase-inhomogeneous layers to diagnose and classify their optical properties**
*Yu.O. Ushenko, I.Z. Misevich, A.P. Angelsky, V.T.
Bachinsky, O.Yu. Telen'ga, O.I. Olar*
- 259 Relaxation process features of photoconductivity in p-i-n structures**
R.A. Mumimov, Sh.K. Kanyazov, A.K. Saymbetov
- 262 Determination of structural homogeneity of synthetic diamonds from analysis of Kikuchi lines intensity distribution**
*I. Fodchuk, S. Balovskyak, M. Borcha,
Ya. Garabashiv, V. Tkach*
- 268 Calculated images of dislocations in crystals on section topograms**
*S.M. Novikov, I.M. Fodchuk, D.G. Fedortsov,
A.Ya. Struk*
- 273 Peculiarities of the influence of high- and low-energy proton and electron irradiations on the characteristics of silicon solar cells**
V.V. Chernenko
- 276 Optical properties and structure of As-Ge-Se thin films**
I.D. Tolmachov, A.V. Stronski, M. Vlcek
- 280 Scattering and birefringence properties of polymeric films modified by nanoparticles of different nature**
*V. E. Agabekov, N. A. Ivanova,
T. G. Kosmacheva, V. A. Dlugunovich,
A. V. Tsaruk*
- 286 New dyes for guest-host mode**
*A. Muravsky, V. Agabekov, N. Ariko,
S. Shachab, A. Tolstik, P. Malashko*
- 290 Low voltage FLC for fast active matrix displays**
A. Andreev, T. Andreeva, I. Kompanets
- 294 Sponge like nanostructured silicon for integrated light emitters**
*A. Hubarevich, P. Jaguiro, Y. Mukha,
A. Smirnov, Ya. Solovjov*
- 298 Chemiluminescence display**
P. Jaguiro, A. Stsiapanau, A. Smirnov
- 302 Growth of a KDP (KH_2PO_4) twin crystal and comparison of its characteristics with a single crystal**
S. Javidi, M. Esmaeil Nia, N. Ali Akbari
- 305 Self-organized nanostructured anodic oxides for displays applications**
*P. Jaguiro, A. Stsiapanau, A. Hubarevich,
Y. Mukha and A. Smirnov*
- 309 Raman spectroscopy of the laser irradiated titanium dioxide**
*Strelchuk V.V., Budzulyak S.I., Budzulyak I.M.,
Ilmytsyy R.V., Kotsyubynskyy V.O., Segin M.Ya.,
Yablons L.S.*
- 314 Effect of strong magnetic field on surface polaritons in ZnO**
*E.F. Venger, A.I. Ievtushenko, L.Yu. Melnichuk,
O.V. Melnichuk*
- 321 Electro-optic effect in $\text{GaN}/\text{Al}_{0.15}\text{Ga}_{0.85}\text{N}$ single quantum wells for optical switch**
*A. Elkadadra, D. Abouelaoualim, A. Oueriagli,
A. Outzourhit*
- 326 Acoustic-emission method of control of defects-formation process in light-emitting structures**
*O.V. Lyashenko, A.I. Vlasenko, V.P. Veleschuk,
M.P. Kisseluk*
- 330 Defect reorganization induced by pulsed magnetic field in porous InP**
V.V. Milenin, R.A. Red'ko
- 334 Information about book: Tomashik V., Feychuk P., Shcherbak L. "Ternary Alloys Based on II-VI Semiconductor Compounds". Chernivtsi: Books-XXI. 2010. – 440 p. – ISBN 978-966-2147-97-1.**
- 335 Contents**