CHRONICLE

Contents of Next Issue of *Opticheskii Zhurnal* (*Journal of Optical Technology*)

DOI: 10.1134/S0030400X11080169

The following papers on the topic *Display Materials and Technologies* will be published in the July special issue of *Opticheskii Zhurnal* (Journal of Optical Technology), Vol. 78, No. 7, 2011.

Preface by the issue's editors (L.N. Soms and M.M. Sychev).

Organic Light-Emitting Diodes (OLEDs). Optical Investigation of Photo-Bleaching Effects in Organic Alq₃ Thin Films (F. Bonfigli, D. Brogioli, M.A. Vincenti, and R.M. Montoreali); Optical Modelling of Alq₃-based Organic Light-Emitting Diode (E. Nichelatti, F. Bonfigli, M.A. Vincenti, and R.M. Montoreali); Photo- and Electroluminescence Properties of Europium Complexes with Poly-N-Vinylcarbazole Ligands Included in the Chain (A.V. Yakimanskii, M.Ya. Goikhman, M.N. Bochkarev, I.V. Podeshvo, T.D. Anan'eva, R.Yu. Smyslov, T.N. Nekrasova, N.L. Loretsyan, V.A. Il'ichev, and A.N. Konev).

Inorganic Light-Emitting Diodes. Aluminum and Gallium Nitrides on Silicon for UV Optoelectronics and the Role of Silicon Carbide Intermediate Nanolayer (V.N. Bessolov, Yu.V. Zhilyaev, E.V. Konenkova, L.M. Sorokin, N.A. Feoktistov, Sh. Sharofidinov, M.P. Shcheglov, S.A. Kukushkin, L.I. Mets, and A.V. Osipov); Optical Constants of Epitaxial Zinc Oxide Films Grown on Silicon with the Buffer Silicon Carbide Nanolayer (S.A. Kukushkin, A.V. Osipov, E.V. Osipova, S.V. Razumov, and A.V. Kandakov); Backlighting Devices Based on White Light-Emitting Diodes for On-Board Multifunctional Active-Matrix

Liquid Crystal Screens (V.A. Bol'shukhin, V.S. Ilyasov, N.P. Soshchin, and V.N. Ulasyuk).

Luminescent Materials. Synthesis of White-Light Emitting SrS:Pr Powder Liminophor (V.V. Bakhmet'ev, V.G. Korsakov, M.M. Sychev, H. Tamamura, and J. Nakanishi); Properties of Radioluminescent Light Sources for Photometry (A.G. Mikhil'chenko).

Liquid Crystal Materials and Electronic Paper. The Use of Wentzel–Kramers–Brillouin Method for Analysis of Coherent Light Transmission and Reflection by Monolayer Polymer-Dispersed Liquid Crystal Films (V.A. Loiko, A.V. Konkolovich, and A.A. Miskevich); Effect of Nano-Objects on Bulk and Surface Properties of Materials (N.V. Kamanina, P.Ya. Vasil'ev, V.I. Studenov, D.N. Timonin, S.V. Serov, A.V. Shmidt, Yu.A. Zubtsova, K.A. Tsareva, A.V. Prokhorenkov, N.A. Shurpo, S.V. Likhomanova, O.V. Barinov, and P.V. Kuzhakov); Effect of the Composition, Formation Conditions, and Exposure of Liquid Crystal Composites on Properties of Polarization Holographic Gratings (G.M. Zharkova, A.P. Petrov, S.A. Strel'tsov, and V.M. Khachaturyan); Methods of Controlling Optical Properties of Porous Films Filled with Nematic Liquid Crystal (D.A. Semerenko, D.V. Shmelev, S.V. Pasechnik, and V.G. Chigrinov); Production and Physicochemical Properties of Hydrophobic Silver Nanoparticle Concentrate (P.S. Popovetskii, A.I. Bulavchenko, and A.Yu. Manakov).

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