CHRONICLE

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The following papers will be published in the November issue of *Opticheskii Zhurnal* (Journal of Optical Technology), vol. 76, no. 11, 2009.

Solid-State Lasers and Nonlinear Frequency Conversion. Study of a Thermal Lens in a Tm:YLF Crystal under Intense Diode Pumping (O.N. Eremeykin, N.A. Egorov, N.G. Zakharov, A.P. Savikin, and V.V. Sharkov); Optimization of Cavity Parameters and Selection of Active Medium of a Solid-State Laser Operating in CW and Pulsed Modes Pumped by High-Power Single Diode (V.V. Bezotosnyi, M.V. Gorbunkov, P.V. Kostyukov, Yu.M. Popov, V.G. Tunkin, and E.A. Cheshev); Gain Properties of 2D Photonic Crystal Structures Containing Active Media (O.N. Kozina and L.A. Mel'nikov); A High-Power Supercompact Nd:YAG Laser (V.V. Nazarov, L.V. Khloponin, and V.Yu. Khramov).

Gas Lasers. Spectrum Dividing Coatings in Laser Systems for Visible and IR Spectral Ranges (E.N. Kotlikov, E.V. Khonineva, V.N. Prokashev, and A.N. Tropin).

Beam and Photon Control. Measuring the Vibration Parameters and Roughness Using the Fluctuation Frequency Spectrum of the Scattered Radiation Intensity (V.I. Bronnikov and M.M. Kalugin).

Ultrastrong Fields and Ultrafast Processes. The Effect of the Grating Fragment Mismatch of an Opti-

cal Compressor on the Compressed Pulse Length (I.V. Golubenko and A.A. Andeev).

Photonics of Nanostructures and Biophotonics. The Accuracy, Reliability, and Interpretation of Results of the In Vivo Laser Fluorescent Diagnostics in the Spectral Range of the Endogenous Porphyrines (D.A. Rogatkin, O.A. Bychenkov, and L.G. Lapaeva).

Laser Material Processing. A Multifunctional Technological Laser System for High-Precision Processing of 3D Large-Size Workpieces ($3 \times 3 \times 0.6$ m) with Intricate Surface Shapes (A.G. Verkhoglyad, V.I. Prots', M.F. Stupak, and Yu.V. Chugui); Dynamics of Lasing Spectrum of 3- μ m Er:YLF Laser during Semiconductor Pumping (M.I. Inochkin, V.V. Nazarov, D.Yu. Sachkov, L.V. Khloponin, and V.Yu. Khramov); Low-Threshold Limitation of the Optical Radiation Power in Crystals with Sensitized Anti-Stokes Luminescence (M.S. Smirnov, O.V. Ovchinnikov, P.V. Novikov, A.N. Latyshev, and M.A. Efimova).

Educational—Methodological Papers. Interference Fringes of Equal Slope at Large Incidence Angles (Yu.N. Zakharov and N.V. Chalkova).

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