CHRONICLE

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The following papers will be published in the December issue of *Opticheskii Zhurnal* (Journal of Optical Technology), vol. 77, no. 12, 2010.

Physical Optics. Spectrograph for Studying Luminescent Quantum Dots (N.K. Pavlycheva and M. Khasan).

Laser Physics and Technology. Prospects for Nuclear Pumping of Vacuum UV Laser (G.N. Gerasimov, S.V. Vorontsov, N.V. Zav'yalov, B.E. Krylov, S.P. Mel'nikov, A.A. Pikulev, A.A. Sinyanskii, and V.A. Tupikov); Dynamics of Picosecond Pulsed Laser Ablation of Silicon Targets (A.I. Alekhin, P.A. Perminov, S.V. Zaboltnov, L.A. Golovan', and P.K. Kashkarov).

Computation, Design, and Manufacture of Optical Systems. Mathematical Model of a Modified Hartmann Method (D.M. Lyakhov).

Holography. Effect of Bleaching on Properties of Volume Phase Holograms Based on Photo-Thermo-Refractive Glass (A.S. Zlatov, I.O. Chyoporov, Yu.L. Korzinin, and N.V. Nikonorov).

Optical Instrumentation and Technology. Numerical Simulation and Study of Polarimetric Current Sensor with *Spun*-type Lightguide (I.L. Lovchii); The Use of Indium in Optical Instrumentation (V.E. Sabinin and S.V. Solk); Modeling and Designing Energy-Effective Smart Lighting Systems (S.M. Gvozdev, O.K. Kushch, and V.A. Storozheva); Motion of Upper Member of Working Tool of Polishing Machine (Alberto Cordero-Davila, Beatriz Adriana Martinez Iriwas, Irse Leal Cabrera, Ernesto Pino Mota, Victor Hugo-Cabrera Pelaes, Jorge Gonzalez Garcia).

Optical Materials Science and Technology. Reorientation Dynamics of a Dual-Frequency Nematic Liquid Crystal with Quasi-Homeotropic Structure (E.A. Konshina, N.L. Ivanova, P.S. Parfenov, and M.A. Fedorov); Electrically Controlled Light Scattering in Helicoidal Ferroelectric Liquid Crystals (A.L. Andreev, T.B. Andreeva, I.N. Kompanets, Yu.P. Bobylev, S.A. Gonchukov, M.V. Minchenko, and V.M. Shoshin); Optical Properties of Double-Layer One-Dimensional Magnetoplasmon Crystals (A.N. Kalish, V.I. Belotelov, D.A. Bykov, L.L. Doskovich, and A.K. Zvezdin).

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