



LIST OF PAPERS: 2007

1. N. Pavel, K. Lünstedt, K. Petermann, G. Huber, "Multipass pumped Nd-based thin-disk lasers: continuous-wave laser operation at 1.06 and 0.9 μm with intracavity frequency doubling," *Appl. Opt.* **46** (34), 8256-8263 (2007).
2. K. Lünstedt, N. Pavel, K. Petermann, G. Huber, "Continuous-wave simultaneous dual-wavelength operation at 912 nm and 1063 nm in Nd:GdVO₄," *Appl. Phys. B* **86** (1), 65-70 (2007).
3. D. Stanoi, A. Popescu, C. Ghica, G. Socol, E. Axente, C. Ristoscu, I. N. Mihailescu, A. Stefan, S. Georgescu, "Nanocrystalline Er: YAG thin films prepared by pulsed laser deposition: an electron microscopy study," *Appl. Surf. Science* **253** (19), 8268-8272 (2007).
4. C. Florea, S. Georgescu, "Photonic irradiation induces nano-structures - an EPR study," *J. Optoelectron. Adv. Mater.* **9** (8), 2303-2307 (2007).
5. S. Georgescu, O. Toma, L. Gheorghe, A. Achim, A. M. Chinie, A. Stefan, "Disorder effects in the fluorescence spectra of Eu³⁺ in langatate (La₃Ga_{5.5}Ta_{0.5}O₁₄) crystals," *Opt. Mat.* **30**, 212-215 (2007).
6. O. Toma, E. Osiac, S. Georgescu, "Pump wavelengths for an Er:YLiF₄ green emitting laser," *Opt. Mat.* **30**, 181-183 (2007).
7. O. Toma, "Emission regimes of a green Er:YLiF₄ laser," *IEEE J. Quantum Electron.* **43** (7), 519-526 (2007).
8. S. Georgescu, A. M. Chinie, A. Stefan, O. Toma, "Spectroscopy of Eu:YAG nanopowders," *Phys. Stat. Sol. (c)* **4** (3), 280-283 (2007).
9. S. Georgescu, I. Bibicu, A.M. Chinie, A.S. Stefan, O.Toma, "Mossbauer and optical investigation of Eu:YAG nanocrystals synthesized by a sol-gel method," *Romanian Journal of Physics* **52** (3-4), 295-307 (2007).
10. C. Tiseanu, B. Gagea, V.I. Parvulescu, V. Lorenz-Fonfria, A. Geßner and M.U. Kumke, "Investigation of the hydrophobization efficiency of terbium-exchanged BEA zeolites by means of FT-IR, TGA, physical adsorption and time-resolved photoluminescence," *Langmuir* **23** (12), 6781-6787 (2007).