



### LIST OF PAPERS: 2010

1. M. Mernea, O. Calborean, M. P. Dinca, A. Leca, D. Apostol, T. Dascalu, and D. Mihailescu, "The simulation of bovine serum albumin vibration spectrum in THz domain," *Journal of Optoelectronics and Advanced Materials (JOAM), Topical Issue: Micro- to Nano-Photonics* **12** (1), 135-140 (2010).
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3. N. Pavel, "Simultaneous dual-wavelength emission at 0.9 and 1.06  $\mu\text{m}$  in Nd-based laser crystals," *Laser Physics* **20** (1), 215-221 (2010).
4. S. Goldring, R. Lavi, and V. Lupei, "Decay dynamics of excited  $\text{Nd}^{3+}$  ions in  $\text{YVO}_4$  following weak excitation", *IEEE J. Quantum Electron.* **46** (2), 169-181 (2010).
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9. C. Tiseanu, V.I. Parvulescu, B. Cojocaru, V. Lorenz-Fonfría, M. Kumke, A. Gessner, and I. Enculescu, "Polymer-microporous host interactions probed by photoluminescence spectroscopy," *Physical Chemistry Chemical Physics* **12** (12), 3031-3037 (2010).
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11. S. Georgescu, A.M. Voiculescu, C. Matei, O. Toma, L. Gheorghe, and A. Achim, "Reflectance measurements on Europium-doped Langasite, Langanite and Langatate powders," *Rom. Reports in Physics* **62** (1), 128-133 (2010).
12. L. Gheorghe, A. Achim, B. Sbarcea, and S. Mitrea, "Synthesis and X-ray investigations of new  $\text{Y}_{1-x}\text{R}_x\text{Ca}_4\text{O}(\text{BO}_3)_3$  (R = Sc, Lu) nonlinear materials," *Optoelectronics and Advanced Materials - Rapid Communication* **4** (3), 318-321 (2010).
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