



LIST OF PAPERS: 2018

1. C. Gheorghe, S. Hau, L. Gheorghe, F. Voicu, M. Greculeasa, M. Enculescu, K. N. Belikov, E. Yu. Bryleva, O. V. Gaiduk, "Yellow laser potential of cubic $\text{Ca}_3(\text{Nb,Ga})_5\text{O}_{12}:\text{Dy}^{3+}$ and $\text{Ca}_3(\text{Li,Nb,Ga})_5\text{O}_{12}:\text{Dy}^{3+}$ single crystals," *J. Alloys & Comp.* **739**, 806-816 (2018).
2. R. P. Yavetskiy, S. V. Parkhomenko, I. O. Vorona, A. V. Tolmachev, D. Yu Kosyanov, V. G. Kuryavii, V. Yu. Mayorov, L. Gheorghe, G. Croitoru, M. Enculescu, "Effect of green body annealing on laser performance of $\text{YAG}:\text{Nd}^{3+}$ ceramics," *Ceram. Int.* **44**(4), 4487-4490 (2018).
3. N. Pavel, M. Bärwinkel, P. Heinz, D. Brüggemann, G. Dearden, G. Croitoru, O. V. Grigore, "Laser Ignition - Spark Plug Development and Application in Reciprocating Engines," *Prog. Quantum Electron.* **58**, 1-32 (2018).
4. I. O. Vorona, R. P. Yavetskiy, M. V. Dobrotvorskaya, A. G. Doroshenko, S. V. Parkhomenko, A. V. Tolmachev, D. Yu. Kosyanov, L. Gheorghe, C. Gheorghe, S. Hau, M. Enculescu, "1532 nm sensitized luminescence and up-conversion in $\text{Yb,Er}:\text{YAG}$ transparent ceramics," *Opt. Mater.* **77**, 221-225 (2018).
5. L. Gheorghe, M. Greculeasa, F. Voicu, C. Gheorghe, S. Hau, A. M. Vlaicu, K. N. Belikov, E. Yu. Bryleva, O. V. Gaiduk, "Crystal growth and structural characterization of Sm^{3+} , Pr^{3+} and Dy^{3+} -doped CNGG and CLNGG single crystals," *Opt. Mater.* **84**, 335-338 (2018).
6. S. Georgescu, A. Stefan, O. Toma, "Judd-Ofelt analysis of Er-doped CaSc_2O_4 revisited," *J. Luminesc.* **199**, 488-491 (2018).
7. A. Stefan, O. Toma, S. Georgescu, "Judd-Ofelt analysis of Eu^{3+} and Er^{3+} doped in ceramic $\text{BaGd}_2\text{ZnO}_5$," *J. Luminesc.* **204**, 261-268 (2018).
8. G. Croitoru (Salamu) and N. Pavel, "Passive Q-Switching by $\text{Cr}^{4+}:\text{YAG}$ Saturable Absorber of Buried Depressed-Cladding Waveguides Obtained in Nd-Doped Media by Femtosecond Laser Beam Writing," *Materials* **11**(9), 1689 (2018).