



LIST OF PAPERS: 2023

1. C. Gheorghe, S. Hau, L. Gheorghe, F. Voicu, M. Greculeasa, A. Broasca, and G. Stanciu, "RE³⁺-Doped Ca₃(Nb,Ga)₅O₁₂ and Ca₃(Li,Nb,Ga)₅O₁₂ Crystals (RE = Sm, Dy, and Pr): A Review of Current Achievements," *Materials* **16**(1), 269 (2023).
2. A. Broasca, M. Greculeasa, F. Voicu, C. Gheorghe and L. Gheorghe, "Pure and Yb-Doped La_xY_ySc_{4-x-y}(BO₃)₄ Crystals: A Review of Recent Advances," *Crystals* **13**(2), 169 (2023).
3. L. I. Toderascu, L. E. Sima, S. Orobeti, P. E. Florian, M. Icriverzi, V. A. Maraloiu, C. Comanescu, N. Iacob, V. Kuncser, I. Antohe, G. Popescu-Pelin, G. Stanciu, P. Ionita, C. N. Mihailescu, and G. Socol, "Synthesis and Anti-Melanoma Activity of L-Cysteine-Coated Iron Oxide Nanoparticles Loaded with Doxorubicin," *Nanomaterials* **13**(4), 621 (2023).
4. A. D. Timoshenko, O. O. Matvienko, A. G. Doroshenko, S. V. Parkhomenko, I. O. Vorona, O. S. Kryzhanovska, N. A. Safronova, O. O. Vovk, A. V. Tolmachev, V. N. Baumer, I. Matolínova, S. Hau, C. Gheorghe, R. P. Yavetskiy, "Highly-doped YAG:Sm³⁺ transparent ceramics: Effect of Sm³⁺ ions concentration," *Ceram. Int.* **49**(5), 7524-7533 (2023).
5. A. M. Voiculescu, S. Hau, G. Stanciu, C. Gheorghe, "Effects of Eu³⁺ concentration on the thermoluminescence properties of narrow-band red-emitting Eu³⁺:SrLaGaO₄ phosphor," *J. Alloys & Compds.* **958**, 170507 (2023).
6. O. Toma, A. Enachi, G. Stanciu, "Excited-state absorption in light-scattering Er:CaSc₂O₄ ceramic," *J. Lumin.* **262**, 119937 (2023).
7. K. Belgacem, **C. Stanciu**, S. Perju, M. Cernea, "Role of the Dopants in Improving the Piezoelectric Properties of Bi_{0.5}Na_{0.5}TiO₃," *J. Electron. Mater.* **52**, 4455-4474 (2023).
8. R. E. Pătru, **C. A. Stanciu**, E. M. Soare, V. A. Surdu, R. D. Trușcă, A. I. Nicoară, B. S. Vasile, G. Boni, L. Amarande, N. Horchidan, L. P. Curecheriu, L. Mitoșeriu, L. Pintilie, I. Pintilie, A. C. Ianculescu, "Grain size-driven effect on the functional properties in Ba_{0.6}Sr_{0.4}TiO₃ ceramics consolidated by spark plasma sintering," *J. Eur. Ceram. Soc.* **43**(8), 3250-3265 (2023).
9. C. Stanciu, S. Hau, G. Stanciu, R. Trusca, B. S. Vasile, C. Tihon, "Structural, microstructural characterization and luminescence spectroscopy of europium-doped strontium titanate prepared by the sol-gel method", *Ceram. Int.* **49**(23, Part A), 37293-37306 (2023).