



LIST OF PAPERS: 2024

1. G. Croitoru, F. Jipa, N. Pavel, "Laser emission from buried depressed-cladding waveguides inscribed in Nd:YAG ceramics by picosecond-laser beam writing," *Opt. Mater.* **148**, 114772 (2024).
<https://doi.org/10.1016/j.optmat.2023.114772>
2. A. Broasca, M. Greculeasa, F. Voicu, S. Hau, C. Gheorghe, G. Croitoru, N. Pavel, G. Stanciu, A. Petris, P. Gheorghe, F. Albota, A. Serban, L. Gheorghe, "LGYSB:Nd - high-performance lasing in the near-infrared region," *J. Am. Chem. Soc.* **146**(3), 2196-2207 (2024). <https://doi.org/10.1021/jacs.3c12371>
3. C. Stanciu, S. Hau, C. Tihon, "Effect of vacuum sintering on the microstructure and spectroscopic properties of Eu doped strontium titanate ceramics," *Ceram. Int.* **50**(8), 13871-13881 (2024),
<https://doi.org/10.1016/j.ceramint.2024.01.303>
4. C. Gheorghe, S. Hau, L. Gheorghe, A. Broasca, M. Greculeasa, F. Voicu, G. Stanciu, M. Enculescu, "Growth and spectroscopic properties of $\text{Ca}_3(\text{Ta,Ga})_5\text{O}_{12}\text{Pr}^{3+}$ single crystal as a promising new laser material in the visible domain," *Opt. Mater.* **150**, 115286 (2024).
<https://doi.org/10.1016/j.optmat.2024.115286>
5. G. Croitoru, F. Jipa, M. Greculeasa, A. Broasca, F. Voicu, L. Gheorghe and N. Pavel, "Buried depressed-cladding waveguides inscribed in Nd^{3+} and Yb^{3+} doped CLNGG laser crystals by picosecond-laser beam writing," *Materials* **17**(8), 1758 (2024), <https://doi.org/10.3390/ma17081758>