LIST OF PUBLICATIONS

A. PAPERS PUBLISHED IN PEER-REVIEW JOURNALS


78. M. Greculeasa, A. Broasca, F. Voicu, S. Hau, G. Croitoru, G. Stanciu, C. Gheorghe, N. Pavel, L. Gheorghe, “Bifunctional La\textsubscript{x}Nd\textsubscript{y}Ga\textsubscript{z}Sc\textsubscript{4-x-y-z}(BO\textsubscript{3})\textsubscript{4} crystal: Czochralski growth, linear and nonlinear optical properties, and near-infrared laser emission performances,” Opt. & Laser Techn. 131, 106433 (2020).


74. G. Croitoru (Salamu) and N. Pavel, “Passive Q-Switching by Cr\textsuperscript{4+}:YAG Saturable Absorber of Buried Depressed-Cladding Waveguides Obtained in Nd-Doped Media by Femtosecond Laser Beam Writing,” Materials 11(9), 1669 (2018).


B. PROCEEDINGS OF INTERNATIONAL CONFERENCES
(Presentations at International Meetings published in extended version)


136. M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, C.A. Brandus, N. Pavel, and L. Gheorghe, "Development of Czochralski-grown L\textsubscript{B0.733}N\textsubscript{d0.035}G\textsubscript{d0.452}S\textsubscript{c2.75}(B\textsubscript{O}3)\textsubscript{4} as a new bifunctional laser and nonlinear crystal," 10th EPS-QEOD EUROPHOTON Conference, 28 Aug. - 2 Sep. 2022, Hannover, Germany; presentation TUE-P-1.9.

135. G. Stanciu, F. Voicu, C. A. Brandus, C. E. Tihon, S. Hau, C. Gheorghe, G. Croitoru, L. Gheorghe, N. Pavel, "Fabrication and laser performances of Nd- and Yb-doped Y\textsubscript{3}Al\textsubscript{5}O\textsubscript{12} transparent ceramics," International Conference on Laser, Plasma and Radiation - Science and Technology, June 7-10, 2022 Bucharest, Romania; poster presentation P2-06.

134. M. Greculeasa, A. Broasca, F. Voicu, G. Stanciu, S. Hau, C. Gheorghe, C.A. Brandus, N. Pavel, M. Enculescu, L. Gheorghe, "Crystal Growth and Characterization of L\textsubscript{B0.733}N\textsubscript{d0.035}G\textsubscript{d0.452}S\textsubscript{c2.76}(B\textsubscript{O}3)\textsubscript{4} as a New Bifunctional Laser and Nonlinear Optical Crystal," International Conference on Laser, Plasma and Radiation, June 7-10, 2022 Bucharest, Romania; poster presentation P2-05.


(https://www.osapublishing.org/abstract.cfm?uri=CLEO_Europe-2015-CA_5b_2)


54. N. Pavel, K. Lünstedt, K. Petermann, and G. Huber, “Continuous-wave high power green generation by intracavity frequency doubling of Nd-based thin-disk lasers,” CLEO/Europe-IQEC 2007 Conference, June 17-22, Munich, Germany, presentation CA4-4-TUE.

53. N. Pavel, K. Lünstedt, K. Petermann, and G. Huber, “Simultaneous dual-wavelength emission on the $^{4}F_{3/2}$→$^{4}I_{9/2}$ and $^{4}F_{3/2}$→$^{4}I_{11/2}$ transitions employing Nd-based thin-disk lasers,” CLEO/Europe-IQEC 2007 Conference, June 17-22, Munich, Germany, presentation CA-4-MON.

52. N. Pavel, K. Lünstedt, K. Petermann, and G. Huber, “Nd-vanadate thin-disk lasers under diode pumping into the $^{4}F_{5/2}$ and $^{4}F_{3/2}$ levels,” CLEO/QELS 2007 Conference, May 6-11, Baltimore, Maryland, USA, presentation JW90.


31/B32 N. Pavel, I. Shoji, T. Taira, K. Mizuuchi, A. Morikawa, T. Sugita, and K. Yamamoto, “High-power green generation at room temperature in a periodically poled MgO:LiNbO$_3$ by frequency doubling of a diode


D. PATENTS


