

## LIST OF PUBLICATIONS

### 1. PAPERS PUBLISHED IN ISI JOURNALS

109. A. Stefan, O. Toma, S. Georgescu, "Judd-Ofelt analysis of  $\text{Eu}^{3+}$  and  $\text{Er}^{3+}$  doped in ceramic  $\text{BaGd}_2\text{ZnO}_5$ ," J. Luminesc. **204**, 261-268 (2018).
108. S. Georgescu, A. Stefan, O. Toma, "Judd-Ofelt analysis of Er-doped  $\text{CaSc}_2\text{O}_4$  revisited," J. Luminesc. **199**, 488-491 (2018).
107. O. Toma, A. Stefan, S. Georgescu, "Excited-state absorption in light-scattering, ceramic erbium-doped langatate," J. Lumin. **182**, 65-70 (2017).
106. A. Stefan, O. Toma, S. Georgescu, "Upconversion luminescence in  $\text{CaSc}_2\text{O}_4$  doped with  $\text{Er}^{3+}$  and  $\text{Yb}^{3+}$ ," J. Lumin. **180**, 376-383 (2016).
105. S. Georgescu, A. Stefan, A.M. Voiculescu, and O. Toma, "Judd-Ofelt analysis of  $\text{Tm}^{3+}$  doped in  $\text{CaSc}_2\text{O}_4$  ceramic samples," J. Lumin. **166**, 130-136 (2015).
104. S. Georgescu, A. Stefan, and O. Toma, "Judd-Ofelt and energy-transfer analysis of  $\text{Er}^{3+}$  doped in  $\text{CaSc}_2\text{O}_4$  ceramic samples," J. Lumin. **167**, 186-192 (2015).
103. A.M. Voiculescu, S. Georgescu, C. Matei, A. Stefan, and O. Toma, "Synthesis and characterization of  $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$  doped with holmium and ytterbium," Rom. J. Phys. **60**(3-4), 495-501 (2015).
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101. S. Georgescu, A. Stefan, O. Toma, A. M. Voiculescu, "Judd-Ofelt analysis of  $\text{Ho}^{3+}$  doped in ceramic  $\text{CaSc}_2\text{O}_4$ ," J. Lumin. **162**, 174-179 (2015).
100. S. Georgescu, O. Toma, C. Matei, A.M. Voiculescu, and A. Ștefan, "Judd-Ofelt analysis of  $\text{Tm}^{3+}$  in  $\text{La}_3\text{Ga}_{5.5}\text{Ta}_{0.5}\text{O}_{14}$  ceramic with granular structure," J. Lumin. **157**, 35-38 (2015).
99. O. Toma, S. Georgescu, "Excited-state absorption in erbium-doped calcium lithium niobium gallium garnet", Journal of Luminescence **154**, 553-558 (2014).
98. S. Georgescu, A. Stefan, A. M. Voiculescu, O. Toma, C. Matei, R. Birjega, "Peculiarities of the  $\text{Ho}^{3+} \rightarrow \text{Yb}^{3+}$  energy transfer in  $\text{CaSc}_2\text{O}_4:\text{Ho}:\text{Yb}$ ", Journal of Luminescence **154**, 142-147 (2014).
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92. A. M. Voiculescu, S. Georgescu, C. Matei, A. G. Stefan, L. Gheorghe, A. Achim, and F. Voicu, "Infrared-excited red, green, violet and UV luminescence from langasite crystal doped with erbium and ytterbium," *Rom. J. Phys.* **58** (1-2), 136-142 (2013).
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86. S. Georgescu, A. M. Voiculescu, S. Nastase, O. Toma, C. Matei, and R. Birjega, "Effect of aluminum substitution on the phase stability and luminescence properties of Eu-doped langanite nano-powders synthesized by a citrate sol-gel method," *Rom. Rep. Phys.* **64** (3), 737-742 (2012).
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