

Karolina Elżbieciak-Piecka

Lista publikacji

1. Elzbieciak, K., Bednarkiewicz, A., Marciniak, L. (2018). Temperature sensitivity modulation through crystal field engineering in Ga³⁺ co-doped Gd₃Al₅-xGa_xO₁₂: Cr³⁺, Nd³⁺ nanothermometers. *Sensors and Actuators B: Chemical*, 269, 96-102.
2. Elzbieciak, K., & Marciniak, L. (2018). The impact of Cr³⁺ doping on temperature sensitivity modulation in Cr³⁺ doped and Cr³⁺, Nd³⁺ Co-doped Y₃Al₅O₁₂, Y₃Al₂Ga₃O₁₂, and Y₃Ga₅O₁₂ nanothermometers. *Frontiers in chemistry*, 6, 424.
3. Elzbieciak-Piecka, K., Matuszewska, C., & Marciniak, L. (2019). Step by step designing of sensitive luminescent nanothermometers based on Cr³⁺, Nd³⁺ co-doped La_{3-x}Lu_xAl_{5-y}Ga_yO₁₂ nanocrystals. *New Journal of Chemistry*, 43(32), 12614-12622.
4. Marciniak, L., Elzbieciak-Piecka, K., Kniec, K., & Bednarkiewicz, A. (2020). Assessing thermometric performance of Sr₂CeO₄ and Sr₂CeO₄: Ln³⁺ (Ln³⁺= Sm³⁺, Ho³⁺, Nd³⁺, Yb³⁺) nanocrystals in spectral and temporal domain. *Chemical Engineering Journal*, 388, 124347.
5. Elzbieciak, K., & Marciniak, L. (2018). The impact of Cr³⁺ doping on temperature sensitivity modulation in Cr³⁺ doped and Cr³⁺, Nd³⁺ Co-doped Y₃Al₅O₁₂, Y₃Al₂Ga₃O₁₂, and Y₃Ga₅O₁₂ nanothermometers. *Frontiers in chemistry*, 6, 424. DOI: 10.1039/DOCP03453C