

Wojciech Piotrowski

Lista Publikacji

1. Piotrowski, W., Trejgis, K., Maciejewska, K., Ledwa, K., Fond, B., Marciniak L. (2020). Thermochromic luminescent nanomaterials based on Mn^{4+}/Tb^{3+} codoping for temperature imaging with digital cameras. *ACS Applied Materials & Interfaces*, 12 (39), 44039-44048.
2. Piotrowski, W., Kuchowicz, M., Dramićanin, M., Marciniak, L. (2022). Lanthanide dopant stabilized Ti^{3+} state and supersensitive Ti^{3+} -based multiparametric luminescent thermometer in $SrTiO_3:Ln^{3+}$ ($Ln^{3+} = Lu^{3+}, La^{3+}, Tb^{3+}$) nanocrystals. *Chemical Engineering Journal*, Elsevier, 428, 131165.
3. Piotrowski, W. M., Trejgis, K., Dramicanin, M., Marciniak, L. (2021). Strong sensitivity enhancement in lifetime-based luminescence thermometry by co-doping of $SrTiO_3:Mn^{4+}$ nanocrystals with trivalent lanthanide ions. *Journal of Materials Chemistry C*, Royal Society of Chemistry, 9, 32, 10309-10316.
4. Piotrowski, W., Dalipi, L., Elzbieciak-Piecka, K., Bednarkiewicz, A., Fond, B., Marciniak, L. (2021). Self-Referenced Temperature Imaging with Dual Light Emitting Diode Excitation and Single-Band Emission of $AVO_4:Eu^{3+}$ ($A = Y, La, Lu, Gd$) Nanophosphors., *Advanced Photonics Research*, 3 (6), 2100139.
5. Piotrowski, W., Dalipi, L., Szukiewicz, R., Fond, B., Dramicanin, M., Marciniak, L. (2021). The role of Cr^{3+} and Cr^{4+} in emission brightness enhancement and sensitivity improvement of NIR-emitting Nd^{3+}/Er^{3+} ratiometric luminescent thermometers. *Journal of Materials Chemistry C*, Royal Society of Chemistry, 9, 37, 12671-12680.