

# Patrycja Kowalik

## Lista Publikacji

1. P. Kowalik, P. Bujak, M. Penkala, A. M. Maroń, A. Ostrowski, A. Kmita, M. Gajewska, W. Lisowski, J. W. Sobczak, A. Pron, Indium(II) Chloride as a Precursor in the Synthesis of Ternary (Ag-In-S) and Quaternary (Ag-In-Zn-S) Nanocrystals, *Chemistry of Materials*, 2022, 34, 809-825.
2. P. Kowalik, M. Penkala, P. Bujak, A. Kmita, M. Gajewska, A. Ostrowski, A. Slodek, A. Pron, From Ag<sub>2</sub>S to luminescent Ag-In-S nanocrystals via ultrasonic method – an in situ synthesis study in an NMR tube, *Journal of Materials Chemistry C*, 2020, 8, 8942-8952.
3. P. Kowalik\*, P. Bujak, Z. Wróbel, M. Penkala, K. Kotwica, A. Maroń, A. Pron. From Red to Green Luminescence via Surface Functionalization. Effect of 2-(5-Mercaptothien-2-yl)-8-(thien-2-yl)-5-hexylthieno[3,4-c]pyrrole-4,6-dione Ligands on the Photoluminescence of Alloyed Ag-In-Zn-S Nanocrystals, *Inorganic Chemistry*, 2020, 59, 14594-14604.
4. P. Kowalik, S. G. Mucha, K. Matczyszyn, P. Bujak, L. M. Mazur, A. Ostrowski, A. Kmita, M. Gajewska, A. Pron, Heterogeneity induced dual luminescence properties of AgInS<sub>2</sub> and AgInS<sub>2</sub>-ZnS alloyed nanocrystals, *Inorganic Chemistry Frontiers*, 2021, 8, 3450-3462.
5. M. Ruzicka-Ayoush, P. Kowalik, A. Kowalczyk, P. Bujak, A. M. Nowicka, M. Wojewodzka, M. Kruszewski, I. P. Grudzinski, Quantum dots as targeted doxorubicin drug delivery nanosystems in human lung cancer cells, *Cancer Nanotechnology*, 2021, 12, 8.