Mateusz Pawlak

Lista Publikacji

1. Pawlak, M., Abramowicz, J., Fiuza Maneiro, N., Vinnacombe-Willson, G. A., Jo, S., Benchimol, E., Clever, G. H., Liz-Marzán, L. M., Mihi, A., Povalarapu, L., & Lewandowski, W. (in press). The combination of chiral assembly and chiral template effects boosts circularly polarized luminescence of perovskite nanocrystals. Angewandte Chemie International Edition, accepted in September 2025

2. Pawlak, M., Pierzchała, A., Benchimol, E., Tessarolo, J., Rebholz, L., Krstić, M., Górecka, E., & Lewandowski, W. (2024). Highly dissymmetric circularly polarized luminescence via multimode chirality enhancement in hierarchically ordered liquid crystal films. Advanced Optical Materials, 13, 2402483. https://doi.org/10.1002/adom.202402483

3. Pawlak, M., Bagiński, M., Llombart, P., Beutel, D., González-Rubio, G., Górecka, E., Rockstuhl, C., Mieczkowski, J., Pociecha, D., & Lewandowski, W. (2022). Tuneable helices of plasmonic nanoparticles using liquid crystal templates: Molecular dynamics investigation of an unusual odd–even effect in liquid crystalline dimers. Chemical Communications, 58(53), 7364–7367. https://doi.org/10.1039/D2CC00560C

4. Jędrych, A., Pawlak, M., Górecka, E., Lewandowski, W., & Wojcik, M. M. (2023). Light-responsive supramolecular nanotubes-based chiral plasmonic assemblies. ACS Nano, 17(6), 5548–5560. https://doi.org/10.1021/acsnano.3c00359

5. Wasiluk, M., Goldmann, C., Bagiński, M., Pawlak, M., Majewski, P. W., & Lewandowski, W. (2025). From low symmetry to high dissymmetry: Chiral plasmonic films of binary and nanobipyramid assemblies. Advanced Functional Materials, 2500933. https://doi.org/10.1002/adfm.202500933