

# Andrzej Opala

## Lista Publikacji

1. Opala, A., Ghosh, S., Liew, T. C. H., Matuszewski, M. (2019), Neuromorphic Computing in Ginzburg-Landau Polariton-Lattice Systems, *Phys. Rev. Applied*, 11, 064029-10.
2. Ballarini, D., Gianfrate, A., Panico, R., Opala, A., Ghosh, S., Dominici, L., Ardizzone, V., De Giorgi, M., Lerario, G., Gigli, G., Liew, T. C. H., Matuszewski, M., Sanvitto, D. (2020), Polaritonic neuromorphic computing outperforms linear classifiers, *Nano Lett*, 20, 3506-3512.
3. Mirek, R., Opala, A., Comaron, P., Furman, M., Król, M., Tyszka, K., Seredyński, B., Ballarini, D., Sanvitto, D., Liew, T. C. H., Pacuski, W., Suffczyński, J., Szczytko, J., Matuszewski, M., Piętka, B. (2021), Neuromorphic Binarized Polariton Networks, *Nano Lett.*, 21, 3715–3720.
4. Opala, A., Pieczarka, M., & Matuszewski, M. (2018). Theory of relaxation oscillations in exciton-polariton condensates. *Physical Review B*, 98(19), 195312.
5. Opala, A., Pieczarka, M., Bobrovska, N., & Matuszewski, M. (2018). Dynamics of defect-induced dark solitons in an exciton-polariton condensate. *Physical Review B*, 97(15), 155304.