

# Szymon Dudziak

## Lista Publikacji

1. Kowalkińska M., Dudziak S., Karczewski J., Ryl J., Trykowski G., & Zielińska-Jurek A. (2021). Facet effect of TiO<sub>2</sub> nanostructures from TiOF<sub>2</sub> and their photocatalytic activity, *Chemical Engineering Journal*, 404, nr 126493
2. Dudziak, S., Kowalkińska, M., Karczewski, J., Pisarek, M., Siuzdak, K., Kubiak, A., Siwińska-Ciesielczyk, K., & Zielińska-Jurek, A. (2021). Solvothermal growth of {0 0 1} exposed anatase nanosheets and their ability to mineralize organic pollutants. The effect of alcohol type and content on the nucleation and growth of TiO<sub>2</sub> nanostructures. *Applied Surface Science*, 563, nr 150360
3. Dudziak, S. (autor kor.), Kowalkińska, M., Karczewski, J., Pisarek, M., Gouveia, J. D., Gomes, J. R. B., & Zielińska-Jurek, A. (2022). Surface and Trapping Energies as Predictors for the Photocatalytic Degradation of Aromatic Organic Pollutants. *The Journal of Physical Chemistry C*, 126, s. 14859–14877
4. Dudziak S. (autor kor.), Fiszka Borzyszkowska A., & Zielińska-Jurek A. (2023). Photocatalytic degradation and pollutant-oriented structure-activity analysis of carbamazepine, ibuprofen and acetaminophen over faceted TiO<sub>2</sub>, *Journal of Environmental Chemical Engineering*, 11, nr 109553
5. Dudziak, S. (autor kor.), Kowalska, E., Wang, K., Karczewski, J., Sawczak, M., Ohtani, B., & Zielińska-Jurek, A. (2023). The interplay between dopant and a surface structure of the photocatalyst – The case study of Nb-doped faceted TiO<sub>2</sub>. *Applied Catalysis B: Environmental*, 328, nr 122448