

Mateusz Baluk

Lista publikacji

1. Baluk M.A. Pieczyńska A., Mazierski P., Kroczeńska M., Nikiforow K., Mikołajczyk A., Dołżonek J., Łuczak J., Zaleska-Medynska A., (2024), Effect of copper and silver modification of NH₂-MIL-125(Ti) on the photoreduction of carbon dioxide to formic acid over this framework under visible-light irradiation, *Applied Catalysis B: Environment and Energy*, 354, 124107, <https://doi.org/10.1016/j.apcatb.2024.124107>
2. Baluk M.A. Pieczyńska A., Kroczeńska M., Łuczak J., Krzysztof M., Nikiforow K., Zaleska-Medynska A., (2024), Efficient method for octahedral NH₂-MIL-125 (Ti) synthesis: fast and mild conditions, *Chemical Engineering Journal*, 492, 152313, <https://doi.org/10.1016/j.cej.2024.152313>
3. Baluk M.A. Jutrzenka Trzebiatowska P., Pieczyńska A., Makowski D., Kroczeńska M., Łuczak J., Zaleska-Medynska A., (2024), A new strategy for PET depolymerization: application of bimetallic MOF-74 as a selective catalyst, *Journal of Environmental Management*, 363, 121360, <https://doi.org/10.1016/j.jenvman.2024.121360>
4. Baluk M.A. Mazierski P., Pieczyńska A., Nikiforow K., Trykowski G., Klimczyk T., & Zaleska-Medynska A. (2023), MOF/TiO₂ erythrocyte-like heterostructures decorated by noble metals for use in hydrogen photogeneration and pollutant photodegradation, *Catalysis Science & Technology*, 13 (17), 5033-5047, <https://doi.org/10.1039/D3CY00531C>
5. Baluk MA. Kobyłański M.P., Lisowski W., Trykowski G., Klimczuk T., Mazierski P., & Zaleska-Medynska A., (2019), Fabrication of Durable Ordered Ta₂O₅ Nanotube Arrays Decorated with Bi₂S₃ Quantum Dots, *Nanomaterials*, 9(10), 1374, <https://doi.org/10.3390/nano9101347>