

## Kornel Roztocki

### Lista Publikacji

1. Roztocki, K., Formalik, F., Krawczuk, A., Senkovska, I., Kuchta, B., Kaskel, S., Matoga, D. (2020). Collective breathing in an eightfold interpenetrated metal–organic framework: from mechanistic understanding towards threshold sensing architectures. *Angewandte Chemie*, 132(11), 4521-4527.
2. Roztocki, K., Szufła, M., Bon, V., Senkovska, I., Kaskel, S., Matoga, D. (2020). Interlinker hydrogen bonds govern CO<sub>2</sub> adsorption in a series of flexible 2D diacylhydrazone/isophthalate-based MOFs: influence of metal center, linker substituent, and activation temperature. *Inorganic chemistry*, 59(15), 10717-10726.
3. Roztocki, K., Szufła, M., Hodorowicz, M., Senkovska, I., Kaskel, S., Matoga, D. (2019). Introducing a longer versus shorter acylhydrazone linker to a metal–organic framework: parallel mechanochemical approach, nonisorecticular structures, and diverse properties. *Crystal Growth & Design*, 19(12), 7160-7169.
4. Roztocki, K., Lupa, M., Sławek, A., Makowski, W., Senkovska, I., Kaskel, S., Matoga, D. (2018). Water-stable metal–organic framework with three hydrogen-bond acceptors: Versatile theoretical and experimental insights into adsorption ability and thermo-hydrolytic stability. *Inorganic chemistry*, 57(6), 3287-3296.
5. Roztocki, K., Jedrzejowski, D., Hodorowicz, M., Senkovska, I., Kaskel, S., & Matoga, D. (2016). Isophthalate–hydrazone 2D zinc–organic framework: crystal structure, selective adsorption, and tuning of mechanochemical synthetic conditions. *Inorganic chemistry*, 55(19), 9663-9670.