

Karolina Rybka

Lista Publikacji

1. Rybka K., Böserle Hudcová B., Matusik J., Marzec M. (2023) Interaction of vanadates with Mg/Al and Mg/Fe LDH intercalated with carbonates and sulphates based on experimental data and surface complexation modelling. *Applied Clay Science*, 242, 107047; DOI: 10.1016/j.clay.2023.107047
2. Rybka K., Matusik J., Marzec M. (2022) Mg/Al and Mg/Fe layered double hydroxides derived from magnesite and chemicals: The effect of adsorbent features and anions chemistry on their removal efficiency. *Journal of Cleaner Production*, 332, 130084; DOI: 10.1016/j.jclepro.2021.130084
3. Rybka K., Matusik J., Slaný M. (2021) Technical aspects of selected minerals transformation to LDH-containing materials: The structure, chemistry and affinity towards As(V). *Journal of Environmental Chemical Engineering*, 9, 106792; DOI: 10.1016/j.jece.2021.106792
4. Rybka K., Matusik J., Kuligiewicz A., Leivskä T., Cempura G. (2021) Surface chemistry and structure evaluation of Mg/Al and Mg/Fe LDH derived from magnesite and dolomite in comparison to LDH obtained from chemicals. *Applied Surface Science* 538, 1-11; DOI: 10.1016/j.apsusc.2020.147923
5. Matusik J., Rybka K. (2019) Removal of Chromates and Sulphates by Mg/Fe LDH and Heterostructured LDH/Halloysite Materials: Efficiency, Selectivity, and Stability of Adsorbents in Single- and Multi-Element Systems. *Materials* 12(9), 1373; DOI: 10.3390/ma12091373