

Seznam publikací a výsledků v roce 2022

List of publications and results in 2022

1. Machovič V., Havelcová M., Lapčák L., Mizera J., Sýkorová I., 2022. Chemical character and structure of uraniferous bitumens (Vrchlabí, Czech Republic). International Journal of Coal Geology
<https://doi.org/10.1016/j.coal.2022.104137>
2. Havelcová M., Sýkorová I., René M., Mizera J., Coubal M., Machovič V., Strunga V., Goliáš V., 2022. Geology and Petrography of Uraniferous Bitumens in Permo-Carboniferous Sediments (Vrchlabí, Czech Republic). Minerals 12, 544.
<https://doi.org/10.3390/min12050544>
3. Mizera J., Havelcová M., Machovič V., Borecká L., Vöröš D., 2022. Neutron Activation Analysis in Urban Geochemistry: Impact of Traffic Intensification after Opening the Blanka Tunnel Complex in Prague. Minerals 12, 281.
<https://doi.org/10.3390/min12030281>
4. Vöröš D., Geršlová E., Šimoníková L., Díaz-Somoano M., 2022. Late Carboniferous palaeodepositional changes recorded by inorganic proxies and REE data from the coalbearing strata: An example on the Czech part of the Upper Silesian Coal basin (USCB), Journal of Natural Gas Science & Engineering <https://doi.org/10.1016/j.jngse.2022.104789>
5. Švábová M., Vorokhta M., 2022. Water sorption and transport in Silurian shales. Journal of Petroleum Science and Engineering 210
<https://doi.org/10.1016/j.petrol.2021.109980>
6. Suchý V., Zachariáš J., Sýkorová I., Kořínková D., Pešek J., Pachnerová-Brabcová, K., Qingyong Luo, Filip, J., Světlík, I., 2022. Paleothermal history of the Blanice Graben (the Bohemian Massif, Czech Republic): The origin of anthracite in a late-Variscan strike-slip basin. International Journal of Coal Geology, 263, 104, 104129, 1-23.
<https://doi.org/10.1016/j.coal.2022.104129>
7. Rasina M., Lusens M., Racek M., Přikrylová J., Weishauptová Z., Řimnáčová D., Přikryl R., 2022. Distinction between consecutive construction phases by combined microscopic study and quantitative pore space analysis: Case study of Horn's Bastion, Riga Castle (Latvia), Journal of Cultural Heritage 57, 88-96. <https://doi.org/10.1016/j.culher.2022.08.004>
8. Purikova O., Tkachenko I., Smid B., Veltruska K., Dinhova T.N., Vorokhta M., Kopecky V., Hanykova L., Ju X.H., 2022. Free-Blockage Mesoporous Silica Nanoparticles Loaded with Cerium Oxide as ROS-Responsive and ROS-

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Scavenging Nanomedicine. *Advanced Functional Materials* 32, 2208316.
<https://doi.org/10.1002/adfm.202208316>

9. Yakovlev Y.V., Rodríguez M.G., Lobko Y.V., Vorokhta M., Kúš P., Matolínová I., Matolín V., 2022. Characterization of gas diffusion layer transport properties by limiting current approach. *Electrochimica Acta* 404, 139755. <https://doi.org/10.1016/j.electacta.2021.139755>
10. Darabut A.M., Lobko Y., Yakovlev Y., Gamón Rodríguez M., Veltruská K., Šmíd B., Kúš P., Nováková J., Dopita M., Vorokhta M., Kopecký V., Procházka M., Matolínová I., Matolín V. 2022. Influence of thermal treatment on the structure and electrical conductivity of thermally expanded graphite. *Advanced Powder Technology* (Just accepted)

Kapitola v monografii

11. Mizera, J., Řanda, Z., Suchý, V., Strunga, V., Klokočník, J., Kostecký, J., Bezděk, A., Moravec, Z., 2021. Parent crater for Australasian tektites beneath the sands of the Alashan Desert, Northwest China: Best candidate ever?, in Foulger, G.R., Hamilton, L.C., Jurdy, D.M., Stein, C.A., Howard, K.A., and Stein, S., eds., *In the Footsteps of Warren B. Hamilton: New Ideas in Earth Science: Geological Society of America Special Paper 553*, p. 323–334, [https://doi.org/10.1130/2021.2553\(25\)](https://doi.org/10.1130/2021.2553(25))
12. René M., 2022. Investigation of accessory minerals from the Blatná granodiorite suite, Bohemian Massif, Czech Republic. In: René M. (ed.) *Mineralogy*, IntechOpen Ltd., London, 165–185.

Článek v recenzovaném časopise (mimo WOS a SCOPUS)

13. René M., 2022. Jak vznikaly šumavské žuly. *Vesmír*, 101, 5, 327–329.