

Přehled publikací pracovníků/studentů ÚGV PŘF MU Brno v časopisech 1./2. kvartilu v období 2003-2024

2024 (celkem 21 článků, 6 studentů spoluautorů – červeně)

Acosta-Vigil, **Kotková, J., Čopjaková, R.**, Wirth, R., Hermann, J. (2024): Experimental constraints on the nature of multiphase solid inclusions and their bearing on mantle wedge metasomatism, Bohemian Massif. *Contributions to Mineralogy and Petrology*, 179, 7. doi: 10.1007/s00410-024-02132-1

WoS: IF₂₀₂₃: 3,5; **Q1** (17/101) in Geochemistry & Geophysics; **Q1** (5/30) in Mineralogy; počet citací: 0

Baroň, I., Jelének, J., Klimeš, J., Dong, J.-J., **Melichar, R., Šutjak, M.**, Chen, Y., Yang, C.-M., Zhan, E.-L., Méndez, J., Tseng, C.-H., Hartvich, F., Blahůt, J., Nguyễn, T.-T., **Kociánová, L., Bárta, F., Dušek, V.**, Kysel, P. (2024): Source area morphometry and high depletion rate of landslides may indicate their coseismic origin. *Engineering Geology*, 330, 107424. doi: 10.1016/j.enggeo.2024.107424

WoS: IF₂₀₂₃: 6,9; **Q1** (3/63) in Engineering, Geological; **Q1** (16/253) in Geosciences, Multidisciplinary; počet citací: 0

Bednář, D., Geršlová, E., Otáhal, P., Vöröš, D. (2024): Effects of mine water Discharge on river sediments: metal fate and behavior, Upper Silesian Coal Basin. *Environmental Earth Sciences*, 83, 71. doi: 10.1007/s12665-023-11356-6

WoS: IF₂₀₂₃: 2,8; **Q3** (187/358) in Environmental Sciences; **Q2** (84/253) in Geosciences, Multidisciplinary; **Q2** (45/127) in Water Resources; počet citací: 0

Dolníček, Z., **Krejčí Kotlánová, M.**, Ulmanová, J., Sejkora, J. (2024): Remobilization of HFSE, Y, and REE during Diagenetic Alteration of Heavy Minerals in Sandstones from the Chvalčov Site, Flysch Belt of the Outer Western Carpathians, Czech Republic. *Minerals*, 14, 1. doi: 10.3390/min14010001

WoS: IF₂₀₂₃: 2,2; **Q2** (40/101) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; **Q2** (11/31) in Mining & Mineral Processing; počet citací: 0

Faimon, J., Baldík, V., Štelcl, J., Všíanský, D., Rez, J., Pracný, P., Novotný, R., Lang, M., Roubal, Z., Szabó, Z., Hadacz, R. (2024): Corrosion of calcite speleothems in epigenic caves of Moravian Karst (Czech Republic). *Environmental Earth Sciences*, 83, 6, 184. doi: 10.1007/s12665-024-11449-w

WoS: IF₂₀₂₃: 2,8; **Q3** (187/358) in Environmental Sciences; **Q2** (84/253) in Geosciences, Multidisciplinary; **Q2** (45/127) in Water Resources; počet citací: 0

Haifler, J., Kotková, J., Čopjaková, R. (2024): Crystallisation of trapped carbonate–silicate melts terminating at the carbonated solidus ledge: a record of carbon immobilisation mechanism in the lithospheric mantle. *Contributions to Mineralogy and Petrology*, 179, 31. doi: 10.1007/s00410-024-02108-1

WoS: IF₂₀₂₃: 3,5; **Q1** (17/101) in Geochemistry & Geophysics; **Q1** (5/30) in Mineralogy; počet citací: 1

Hykš, P., Kumpan, T., Svobodová, A. (2023): Early Oxfordian occurrence of shark *Notidanooides muensteri* in Jurassic shelf lagoon deposits at Brno-Hády (Czechia). *Palaeontographica, Abteilung A-Palaeozoologie-Stratigraphie*, 327, 4-6, 93–106. doi: 10.1127/pala/2023/0143

WoS: IF₂₀₂₃: 1,8; **Q2** (17/56) in Paleontology; počet citací: 0

Chládek, Š., **Novák, M.**, Uher, P., **Gadas, P.**, Matýsek, D., Bačík, P., **Škoda, R.** (2024): Evolution of beryllium minerals in granitic pegmatite Maršíkov D6e, Czech Republic: Complex breakdown of primary beryl by internal and external hydrothermal-metamorphic fluids. *Geochemistry*, 84, 126092. doi: 10.1016/j.chemer.2024.126092

WoS: IF₂₀₂₃: 2,6; **Q2** (35/101) in Geochemistry & Geophysics; počet citací: 0

Chroustová, K., Říčka, A., Pasternáková, B., Kuchovský, T., Růde, T.R., Zeman, J. (2024): Identification of deep Czech Republic–Austria transboundary aquifer Discharge and associated river chloride loading. *Environmental Earth Sciences*, 83, 366. doi: 10.1007/s12665-024-11670-7

WoS: IF₂₀₂₃: 2,8; **Q3** (187/358) in Environmental Sciences; **Q2** (84/253) in Geosciences, Multidisciplinary; **Q2** (45/127) in Water Resources; počet citací: 0

Kasatkin, A.V., Zubkova, N.V., **Škoda, R.**, Pekov, I.V., Agakhanov, A.A., Gurzhii, V.V., Ksenofontov, D.A., Belakovskiy, D.I., Kuznetsov, A.M. (2024): The mineralogy of the Historical Mochalin Log REE deposit, South Urals, Russia. Part V. Zilbermintsite-(La), (CaLa₅)(Fe³⁺Al₃Fe²⁺)[Si₂O₇][SiO₄]₅O(OH)₃, a new mineral with ET2

type structure and a definition of radekškodaite group. *Mineralogical Magazine*. In Press. doi: 10.1180/mgm.2024.17

WoS: IF₂₀₂₃: 2,8; Q2 (8/30) in Mineralogy; počet citací: 0

Kasatkin, A.V., Nestola, F., Day, M.C., Gorelova, L.A., Škoda, R., Vereshchagin, O.S., Agakhanov, A.A., Belakovskiy, D.I., Pamato, M.G., Cempírek, J., Anosov, M.Y. (2024): Fluor-rossmanite, $\square(\text{Al}_2\text{Li})\text{Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{F}$, a new tourmaline supergroup mineral from Malkhan pegmatite field, Western Siberia, Russia. *Mineralogical Magazine*. In Press. doi: 10.1180/mgm.2024.34

WoS: IF₂₀₂₃: 2,8; Q2 (8/30) in Mineralogy; počet citací: 0

Krejčí Kotlánová, M., Dolníček, Z., René, M., Prochaska, W., Ulmanová, J., Kapusta, J., Mašek, V., Kropáč, K. (2024): Fluid Evolution of Greisens from Krupka Sn-W Ore District, Bohemian Massif (Czech Republic). *Minerals*, 14, 86. doi: 10.3390/min14010086

WoS: IF₂₀₂₃: 2,2; Q2 (40/101) in Geochemistry & Geophysics; Q2 (10/30) in Mineralogy; Q2 (11/31) in Mining & Mineral Processing; počet citací: 0

Kubeš, M., Leichmann, J., Wertich, W., Čopjaková, R., Holá, M., Škoda, R., Kříbek, B., Mercadier, J., Cuney, M., Deloule, E., Lecomte, A., Krzemińska, E. (2024): Ultrapotassic plutons as a source of uranium of vein-type U-deposits (Moldanubian Zone, Bohemian Massif): insights from SIMS uraninite U–Pb dating and trace element Geochemistry. *Mineralium Deposita*. In Press. doi: 10.1007/s00126-024-01263-6

WoS: IF₂₀₂₃: 4,4; Q1 (10/101) in Geochemistry & Geophysics; Q1 (4/30) in Mineralogy; počet citací: 0

Lang, M., Faimon, J., Pracný, P., Štelcl, J., Kejíková, S., Hebelka, J. (2024): Impact of water exhaled out by visitors in show caves: a case study from the Moravian Karst (Czech Republic). *Environmental Science and Pollution Research*, 31, 27117–27135. doi: 10.1007/s11356-024-32946-2

WoS: IF₂₀₂₃: ???; Q1 (86/359) in Environmental Sciences; počet citací: 0

Petřík, J., Adameková, K., Přišťáková, M., Petr, L., Tencer, T., Novák, J., Vrána, J., Kalábek, M., Peška, J., Milo, P. (2024): Fluctuating nature of prehistoric settlement and land use preserved in Sedimentary record of vanished gully. *Catena*, 243, 108128. doi: 10.1016/j.catena.2024.108128

WoS: IF₂₀₂₃: 5,4; Q1 (24/253) in Geosciences, Multidisciplinary; Q1 (7/49) in Soil Science; Q1 (12/127) in Water Resources; počet citací: 0

Petřík, J., Adameková, K., Goláňová, P., Tencer, T., Prokeš, L. (2024): The potential of low-destructive characterization of archaeological sites with stony and eroded soils through geostatistics at the Celtic oppidum of Bibracte (France). *Journal of Archaeological Science: Reports*, 55, 104509. doi: 10.1016/j.jasrep.2024.104509

WoS: IF₂₀₂₃: 1,5; Q1 (19/163) in Archaeology; počet citací: 0

Ravasová, S., Dvořák, K., Boháč, M., Všianský, D., Jančíková, A. (2024): Formation, Stability, and Crystallinity of Various Tricalcium Aluminate Polymorphs. *Materials*, 17, 735. doi: 10.3390/ma17030735

WoS: IF₂₀₂₃: 3,1; Q3 (90/178) in Chemistry, Physical; Q2 (208/438) in Materials Science, Multidisciplinary; Q2 (20/90) in Metallurgy & Metallurgical Engineering; Q2 (63/179) in Physics, Applied; Q2 (32/79) in Physics, Condensed Matter; počet citací: 0

Sejkora, J., Plášil, J., Dolníček, Z., Ulmanová, J., Škoda, R. (2024): Skachaite, $\text{CaCo}(\text{CO}_3)_2$, a new member of the dolomite group, from the Brod deposit near Příbram, Czech Republic. *Mineralogical Magazine*. In Press. doi: 10.1180/mgm.2024.21

WoS: IF₂₀₂₃: 2,8; Q2 (8/30) in Mineralogy; počet citací: 0

Steciuk, G., Majzlan, J., Rohlíček, J., Škoda, R., Sejkora, J., Plášil, J. (2024): Znucalite, the only known zinc uranyl carbonate: Its crystal structure and environmental Implications. *American Mineralogist*, 109, 5, 949–959. doi: 10.2138/am-2023-8956

WoS: IF₂₀₂₃: 2,7; Q2 (31/101) in Geochemistry & Geophysics; Q2 (9/30) in Mineralogy; počet citací: 0

Trampota, F., Přichystal, A. (2024): On foot, by boat: Distribution methods of raw materials suitable for lithics in Central Europe in c. 4900–3400 BCE. *Journal of Lithic Studies*, 11, 1. doi: 10.2218/jls.7971

WoS: IF₂₀₂₃: 1,1; Q2 (62/163) in Archaeology; počet citací: 0

Xiao, Y., Rembe, J., Čopjaková, R., Aitchison, J.C., Chen, Y., Zhou, R. (2024): Sedimentary record of Variscan unroofing of the Bohemian Massif. *Gondwana Research*, 128, 141–160. doi: 10.1016/j.gr.2023.11.003

WoS: IF₂₀₂₃: 7,2; Q1 (14/253) in Geosciences, Multidisciplinary; počet citací: 0

2023 (celkem 38 článků, 11 studentů spoluautorů – červeně)

Abdale, L., Belley, P.M., Groat, L.A., **Cempírek, J., Škoda, R.**, Wall, C. (2023): Corundum genesis at the Blue Jay Sapphire occurrence (British Columbia, Canada) as a record of metamorphism and partial melting in the Monashee Complex. *Lithos*, 438-439, 106992. doi: 10.1016/j.lithos.2022.106992

WoS: IF₂₀₂₂: 3,5; Q2 (24/86) in Geochemistry & Geophysics; Q1 (6/29) in Mineralogy; počet citací: 1

Bábek, O., Sracek, O., **Všianský, D.**, Holá, M. (2023): Groundwater red beds in Holocene fluvial sediments as a product of iron and manganese redox cycling; Morava River, Czechia. *Sedimentology*, 70, 7, 2220–2240. doi: 10.1111/sed.132119

WoS: IF₂₀₂₂: 3,5; Q1 (3/48) in Geology; počet citací: 0

Bačík, P., Fridrichová, J., Rybníková, O., Štubňa, J., Illášová, L., **Škoda, R.**, Vaculovič, T., Pulišová, Z., Sečkář, P. (2023): Crystal-Chemical and Spectroscopic Study of Gem Sphalerite from Banská Štiavnica, Slovakia. *Minerals*, 13, 109. doi: 10.3390/min13010109

WoS: IF₂₀₂₂: 2,5; Q2 (39/86) in Geochemistry & Geophysics; Q2 (13/29) in Mineralogy; Q2 (8/20) in Mining & Mineral Processing; počet citací: 0

Barták, P., Ivanov, M. (2023): The exceptionally well-preserved *Sauroplorea scalaris* (Nectridea: Urocordylidae) from the late Carboniferous of the Czech Republic: new information on ontogeny, lateral line and tail. *Zoological Journal of the Linnean Society*, 199, 2, 392–416. doi: 10.1093/zoolinnean/zlad039

WoS: IF₂₀₂₂: 2,8; Q1 (12/176) in Zoology; počet citací: 0

Calábková, G., Březina, J., Nosek, V., Madzia, D. (2023): Synapsid tracks with skin impressions illuminate the terrestrial tetrapod diversity in the earliest Permian of equatorial Pangea. *Scientific Reports*, 13, 1130. doi: 10.1038/s41598-023-27939-z

WoS: IF₂₀₂₂: 4,6; Q2 (22/73) in Multidisciplinary Sciences; počet citací: 2

Calábková, G., Madzia, D., Nosek, V., **Ivanov, M.** (2023): Tracking ‘transitional’ diadectomorphs in the earliest Permian of equatorial Pangea. *PeerJ*, 11, e16603. doi: 10.7717/peerj.16603

WoS: IF₂₀₂₂: 2,7; Q2 (36/73) in Multidisciplinary Sciences; počet citací: 1

Dvořák, K., **Všianský, D.**, Ravaszová, S., Jančíků, A. (2023): Synthesis of M1 and M3 alite polymorphs and accuracy of their quantification. *Cement and Concrete Research*, 163, 107016. doi: 10.1016/j.cemconres.2022.107016

WoS: IF₂₀₂₂: 11,4; Q1 (2/68) in Construction & Building Technology; Q1 (35/342) in Materials Science, Multidisciplinary; počet citací: 7

Frýbort, A., Štulířová, J., Grošek, J., **Gregerová, M.** (2023): Changes in the chemical composition of silica fume in the concrete composite system. *Case Studies in Construction Materials*, 18, e01916. doi: 10.1016/j.cscm.2023.e01916

WoS: IF₂₀₂₂: 6,2; Q1 (12/68) in Construction & Building Technology; Q1 (17/139) in Engineering, Civil; Q2 (91/344) in Materials Science, Multidisciplinary; počet citací: 6

Gašpar, A., **Petrík, P.**, Fojtík, P., Tsoupra, A., Mir-Makhamad, B., Cardoso, A., Beltrame, M., Mirão, J., Schiavon, N., Kolář, J. (2023): Beyond Technology: Pottery Reveals Translocal Social Relations at a Bell Beaker Monumental Site in Central Europe. *European Journal of Archaeology*, 26, 3, 299–319. doi: 10.1017/ea.2022.46

WoS: IF₂₀₂₂: 1,5; Q1 (17/158) in Archaeology; počet citací: 0

Grossi, C., Rabago, D., Chambers, S., Sáinz, C., Curcoll, R., Otáhal, P.P.S., **Fialová, E.**, Quindos, L., Vargas, A. (2023): Characterizing the automatic radon flux transfer standard system Autoflux: laboratory calibration and field experiments. *Atmospheric Measurement Techniques*, 16, 10, 2655–2672. doi: 10.5194/amt-16-2655-2023

WoS: IF₂₀₂₂: 3,8; Q2 (37/94) in Meteorology & Atmospheric Sciences; počet citací: 2

Hanus, R., **Sobek, K.**, Souček, K., Staš, L., Georgiou, L., Selucká, A. (2023): A non-destructive analytical study of cultural heritage object from Late Antiquity: gold framework and gemstone inlays. *Heritage Science*, 11, 33. doi: 10.1186/s40494-023-00874-y

WoS: IF₂₀₂₂: 5,5; Q3 (52/86) in Chemistry, Analytical; Q3 (224/342) in Materials Science, Multidisciplinary; Q2 (16/41) in Spectroscopy; počet citací: 0

Hložková, M., Vašinová Galiová, M., Coufalík, P., Breiter, K., **Škoda, R.**, Březina, M., Brtnický, M., Kynický, J. (2023): Determination of tin in geological materials using LA-ICP-MS: Seemingly simple analysis? *Chemical Geology*, 641, 121775. doi: 10.1016/j.chemgeo.2023.121775

WoS: IF₂₀₂₂: 3,9; Q1 (19/87) in Geochemistry & Geophysics; počet citací: 0

Hradsky, D., Machac, P., Skoda, D., Leonova, L., Sazama, P., Pasatvova, J., Kaucky, D., **Vsiansky, D.**, Moravec, Z., Styskalik, A. (2023): Catalytic performance of micro-mesoporous zirconosilicates prepared by non-hydrolytic sol-gel in ethanol-acetaldehyde conversion to butadiene and related reactions. *Applied Catalysis A-General*, 652, 119037. doi: 10.1016/j.apcata.2023.119037

WoS: IF₂₀₂₂: 5,5; Q2 (55/161) in Chemistry, Physical; Q2 (71/274) in Environmental Sciences; počet citací: 7

Chroust, M., Mazuch, M., **Ivanov, M.**, Alba, D.M., **Luján, Á.H.** (2023): Redescription of the soft-shell turtle *Rafetus bohemicus* (Testudines, Trionychidae) from the Early Miocene of Czechia. *PeerJ*, 11, e15658. doi: 10.7717/peerj.15658

WoS: IF₂₀₂₂: 2,7; Q2 (36/73) in Multidisciplinary Sciences; počet citací: 2

Kasatkin, A.V., Nestola, F., Plášil, J., Sejkora, J., Vymazalová, A., **Škoda, R.** (2023): Tolstykhite, Au₃S₄Te₆, a new mineral from Maletoyvayam deposit, Kamchatka peninsula, Russia. *Mineralogical Magazine*, 67, 34–49. doi: 10.1180/mgm.2022.109

WoS: IF₂₀₂₂: 2,7; Q2 (10/29) in Mineralogy; počet citací: 3

Kasatkin, A.V., Vymazalová, A., Nestola, F., Gurzhiy, V.V., Agakhanov, A.A., **Škoda, R.**, Belakovskiy, D.I., Generalov, M.E. (2023): A re-evaluation of stannopalladinite using modern analytical techniques. *Mineralogical Magazine*, 87, 773–782. doi: 10.1180/mgm.2023.73

WoS: IF₂₀₂₂: 2,7; Q2 (10/29) in Mineralogy; počet citací: 0

Kasatkin, A.V., Zubkova, N.V., Agakhanov, A.A., Chukanov, N.V., **Škoda, R.**, Nestola, F., Belakovskiy, D.I., Pekov, I.V. (2023): Mangani-eckermannite, NaNa₂(Mg₄Mn³⁺)Si₈O₂₂(OH)₂, a new amphibole from Tanohata Mine, Iwate Prefecture, Japan. *Mineralogical magazine*, 87, 6, 935–942. doi: 10.1180/mgm.2023.63

WoS: IF₂₀₂₂: 2,7; Q2 (10/29) in Mineralogy; počet citací: 0

Kreml, I., Novotný, K., **Wertich, V.**, **Škoda, R.**, Kanický, V., **Leichmann, J.** (2023): Distinguishing secondary uranium mineralizations in uranium ore using LIBS imaging. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 26, 106734. doi: 10.1016/j.sab.2023.106734

WoS: IF₂₀₂₂: 3,3; Q1 (9/41) in Spectroscopy; počet citací: 4

Máčka, Z., Braucher, R., Migoń, P., Belova, O., **Leichmann, J.** (2023): Gneissic tors in the central European upland: Complex Late Pleistocene forms? *Geomorphology*, 436, 108764. doi: 10.1016/j.geomorph.2023.108764

WoS: IF₂₀₂₂: 3,9; Q2 (13/49) in Geography, Physical; Q2 (53/201) in Geosciences, Multidisciplinary; počet citací: 2

Mareček, L., **Melichar, R.**, **Černý, J.**, Schnabl, P., Hrdličková, K., Buriánek, D. (2023): Non-coaxial deformation of foreland basement involved in a fold-and-thrust belt: a strain partitioning approach to the Eastern Variscan orogen. *Scientific Reports*, 13, 8143. doi: 10.1038/s41598-023-35400-4

WoS: IF₂₀₂₂: 4,6; Q2 (22/73) in Multidisciplinary Sciences; počet citací: 0

Mikysek, P., Trojek, T., Mikyskova, E., Trojkova, D., Adamovič, J., **Slobodník, M.**, Mészárosová, N. (2023): Detection and visualization of micron-scale U-Ca phosphates as a key to redox and acid-base conditions in ores: sandstone-hosted uranium deposit. *Geochemistry*, 83, 126006. doi: 10.1016/j.chemer.2023.126006

WoS: IF₂₀₂₂: 3,7; Q2 (24/87) in Geochemistry & Geophysics; počet citací: 0

Novák, M., Dolníček, Z., **Zachář, A.**, **Gadas, P.**, Nepejchal, M., **Sobek, K.**, **Škoda, R.**, Vrtiška, L. (2023): Mineral assemblages and compositional variations in bavenite–bohseite from granitic pegmatites of the Bohemian Massif, Czech Republic. *Mineralogical Magazine*, 87, 415–432. doi: 10.1180/mgm.2023.17

WoS: IF₂₀₂₂: 2,7; **Q2** (10/29) in Mineralogy; počet citací: 1

Ondrejka, M., Uher, P., Ferenc, Š., Milovská, S., Mikuš, T., Molnárová, A., **Škoda, R.**, Kopáček, R., Bačík, P. (2023): Gadolinium-dominant monazite and xenotime: Selective hydrothermal enrichment of middle REE during low-temperature alteration of uraninite, brannerite, and fluorapatite (the Zimná Voda REE-U-Au quartz vein, Western Carpathians, Slovakia). *American Mineralogist*, 108, 4, 754–768. doi: 10.2138/am-2022-8418

WoS: IF₂₀₂₂: 3,1; **Q2** (35/87) in Geochemistry & Geophysics; **Q2** (9/29) in Mineralogy; počet citací: 4

Ondrejka, M., Uher, P., Ferenc, Š., Majzlan, J., Pollok, K., Mikuš, T., Milovská, S., Molnárová, A., **Škoda, R.**, Kopáček, R., Kurylo, S., Bačík, P. (2023): Monazite-(Gd), a new Gd-dominant mineral of the monazite group from the Zimná Voda REE-U-Au quartz vein, Prakovce, Western Carpathians, Slovakia. *Mineralogical Magazine*, 87, 568–574. doi: 10.1180/mgm.2023.37

WoS: IF₂₀₂₂: 2,7; **Q2** (10/29) in Mineralogy; počet citací: 1

Rosing-Schow, N., Romer, R.L., Müller, A., Corfu, F., **Škoda, R.**, Friis, H. (2023): Geochronological constraints for a two-stage history of the Sveconorwegian rare-element pegmatite province Formation. *Precambrian Research*, 384, 106944. doi: 10.1016/j.precamres.2022.106944

WoS: IF₂₀₂₂: 3,8; **Q2** (60/201) in Geosciences, Multidisciplinary; počet citací: 4

Rybnikova, O., Bačík, P., Uher, P., Fridrichová, J., Lalinská-Voleková, B., **Kubernátová, M.**, Hanus, R. (2023): Characterization of chrysoberyl and its gemmological varieties by Raman spectroscopy. *Journal of Raman Spectroscopy*, 54, 8, 857–870. doi: 10.1002/jrs.6566

WoS: IF₂₀₂₂: 2,5; **Q2** (16/41) in Spectroscopy; počet citací: 3

Rybnikova, O., Uher, P., **Novák, M.**, Chládek, Š., Bačík, P., Kurylo, S., Vaculovič, T. (2023): Chrysoberyl and associated beryllium minerals resulting from metamorphic overprint of the Maršíkov – Schinderhübel III pegmatite, Czech Republic. *Mineralogical Magazine*, 87, 369–381. doi: 10.1180/mgm.2023.22

WoS: IF₂₀₂₂: 2,7; **Q2** (10/29) in Mineralogy; počet citací: 1

Scheiner, F., Havelcová, M., Holcová, K., **Doláková, N.**, **Nehyba, S.**, Ackerman, L., Trubač, J., **Hladilová, Š.**, Rejšek, J., Utescher, T. (2023): Evolution of palaeoclimate, palaeoenvironment and vegetation in Central Europe during the Miocene Climate Optimum. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 611, 111364. doi: 10.1016/j.palaeo.2022.111364

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WoS: IF₂₀₂₁: 4,456; **Q1** (12/50) in Geography, Physical; **Q1** (48/202) in Geosciences, Multidisciplinary; počet citací: 2

Plášil, J., Steciuk, G., Majzlan, J., **Škoda, R.**, Filip, J., Petr, M., Kolařík, J., Klementová, M., Bähre, O., Klöß, Lapčák, L. (2022): 3D Electron Diffraction as a Powerful Tool to Study the earliest Nanocrystalline Weathering Products: A Case Study of uraninite Weathering. *ACS Earth and Space Chemistry*, 6, 5, 1250–1258. doi: 10.1021/acsearthspacechem.1c00386

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WoS: IF₂₀₂₁: 2,818; **Q2** (42/87) in Geochemistry & Geophysics; **Q2** (11/30) in Mineralogy; **Q2** (8/20) in Mining & Mineral Processing; počet citací: 2

Smutná, T., Dumková, J., Kristeková, D., Laštovičková, M., Jedličková, A., Vrlíková, L., Dočekal, B., Kotasová, H., Pelková, V., Večeřa, Z., Křůmal, K., Petráš, J., Coufalík, P., **Všianský, D.**, Záchej, S., Pinkas, D., Vondráček, J., Hampl, A., Mikuška, P., Buchtová, M. (2022): Macrophage-mediated tissue response evoked by subchronic inhalation of lead oxide nanoparticles is associated with the alteration of phospholipases C and cholesterol transporters. *Particle and Fibre Toxicology*, 19, 52. doi: 10.1186/s12989-022-00494-7

WoS: IF₂₀₂₁: 9,112; **Q1** (4/94) in Toxicology; počet citací: 3

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WoS: IF₂₀₂₁: 3,066; **Q2** (39/87) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 0

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WoS: IF₂₀₂₁: 4,997; **Q2** (19/74) in Multidisciplinary Sciences; počet citací: 4

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WoS: IF₂₀₂₁: 2,108; **Q2** (18/53) in Paleontology; počet citací: 0

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WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 1

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WoS: IF₂₀₂₁: 2,8; **Q1** (12/177) in Zoology; počet citací: 6

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WoS: IF₂₀₂₁: 3,329; **Q1** (5/47) in Geology; počet citací: 5

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WoS: IF₂₀₂₁: 1,932; **Q2** (26/53) in Paleontology; počet citací: 5

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WoS: IF₂₀₂₁: 5,285; **Q2** (54/119) in Energy & Fuels; **Q1** (35/142) in Engineering, Chemical; počet citací: 4

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WoS: IF₂₀₂₁: 4,166; **Q2** (25/87) in Geochemistry & Geophysics; počet citací: 2

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WoS: IF₂₀₂₀: 5,198; **Q1** (12/98) in Water Resources; **Q1** (7/37) in Soil Science; **Q1** (22/199) in Geosciences, Multidisciplinary; počet citací: 4

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WoS: IF₂₀₂₀: 3,397; **Q1** (7/48) in Geology; počet citací: 4

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WoS: IF₂₀₂₀: 4,155; **Q1** (4/48) in Geology; počet citací: 8

Bačík, P., Fridrichová, J., Uher, P., Vaculovič, T., Bizovská, V., **Škoda, R.**, Dekan, J., Miglierini, M., Malíčková, I. (2021): Beryl crystal chemistry and trace elements: Indicators of pegmatite development and fractionation (Damara Belt, Namibia). *Lithos*, 106441. doi: 10.1016/j.lithos.2021.106441

WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 9

Bonilla-Salomón, I., Čermák, S., Luján, Á.H., Horáček, I., **Ivanov, M.**, Sabol, M. (2021): Early Miocene small mammals from MWQ1/2001 Turtle Joint (Mokrá-Quarry, South Moravia, Czech Republic): biostratigraphical and palaeoecological considerations. *Bulletin of Geosciences*, 96, 1, 99–122.

WoS: IF₂₀₂₀: 1,600; **Q2** (27/57) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 6

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WoS: IF₂₀₂₀: 3,318; **Q2** (21/50) in Geography, Physical; **Q1** (2/54) in Paleontology; **Q2** (74/199) in Geosciences, Multidisciplinary; počet citací: 4

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WoS: IF₂₀₂₀: 2,259; **Q1** (11/54) in Paleontology; počet citací: 0

Čopjaková, R., **Prokop, J.**, **Novák, M.**, **Losos, Z.**, **Gadas, P.**, **Škoda, R.**, Holá, M. (2021): Hydrothermal alteration of tourmaline from pegmatitic rocks enclosed in serpentinites: Multistage processes with distinct fluid sources. *Lithos*, 380–381, 105823. doi: 10.1016/j.lithos.2020.105823

WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 2

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WoS: IF₂₀₂₀: 6,141; **Q1** (7/136) in Engineering, Civil; **Q2** (86/335) in Materials Science, Multidisciplinary; **Q1** (7/66) in Construction & Building Technology; počet citací: 2

Haifler, J., **Škoda, R.**, Filip, J., Larsen, A.O., Rohlíček, J. (2021): Zirconolite from Larvik Plutonic Complex, Norway, its relationship to stefanweissite and nöggerathite, and contribution to the improvement of zirconolite endmember systematice. *American Mineralogist*, 106, 8, 1255–1272. doi: 10.2138/am-2021-7510

WoS: IF₂₀₂₀: 3,003; **Q2** (10/30) in Mineralogy; **Q2** (36/88) in Geochemistry & Geophysics; počet citací: 4

Holá, M., Novotný, K., Dobeš, J., Kreml, I., **Wertich, V.**, **Mozola, J.**, **Kubeš, M.**, Faltusová, V., **Leichmann, J.**, Kanický, V. (2021): Dual imaging of uranium ore by Laser Ablation Inductively Coupled Plasma mass Spectrometry and Laser Induced Breakdown Spectroscopy. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 186, 106312. doi: 10.1016/j.sab.2021.106312

WoS: IF₂₀₂₀: 3,752; **Q1** (8/43) in Spectroscopy; počet citací: 10

Hreus, S., **Výravský, J.**, **Cempírek, J.**, Breiter, K., Vašínová Galiová, M., **Krátký, O.**, **Šešulka, V.**, **Škoda, R.** (2021): Scandium distribution in the world-class Li-Sn-W Cínovec greisen-type deposit: result of a complex magmatic to hydrothermal evolution, implications for scandium valorization. *Ore Geology Reviews*, 139, A, 104433. doi: 10.1016/j.oregeorev.2021.104433

WoS: IF₂₀₂₀: 3,809; **Q2** (8/30) in Mineralogy; **Q1** (5/21) in Mining & Mineral Processing; počet citací: 8

Hurai, V., Blažeková, M., Huraiová, M., Siegfried, P.R., **Slobodník, M.**, Konečný, P. (2021): Thermobarometric and geochronologic constraints on the emplacement of the Neoproterozoic Evate carbonatite during exhumation of the Monapo granulite complex, Mozambique. *Lithos*, 380–381, 105883. doi: 10.1016/j.lithos.2020.105883

WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 5

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WoS: IF₂₀₂₀: 2.062; **Q2** (13/30) in Mineralogy; počet citací: 2

Chroust, M., Mazuch, M., **Ivanov, M.**, Ekrt, B., **Luján, Á.H.** (2021): First remains of *Diplocynodon* cf. *ratelii* from the early Miocene sites of Ahníkov (Most Basin, Czech Republic). *Bulletin of Geosciences*, 96, 2, 123–138. doi: 10.3140/bull.geosci.1803

WoS: IF₂₀₂₀: 1,600; **Q2** (27/54) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 7

Jašek, O., Toman, J., Šnirer, M., Jurmanová, J., Kudrle, V., Michalička, J., **Všianský, D.**, Pavliňák, D. (2021): Microwave plasma-based high temperature dehydrogenation of hydrocarbons and alcohols as a single route to highly efficient gas phase synthesis of freestanding graphene. *Nanotechnology*, 32, 505608. doi: 10.1088/1361-6528/ac24c3

WoS: IF₂₀₂₀: 3,874; Q3 (59/106) in Nanoscience & Nanotechnology; Q2 (44/160) in Physics, Applied; Q2 (139/334) in Materials Science, Multidisciplinary; počet citací: 9

Jašek, O., Toman, J., **Všianský, D.**, Jurmanová, J., Šnirer, M., Hemzal, D., Bannov, A.G., Hajzler, J, St'ahel, P., Kudrle, V. (2021): Controlled high temperature stability of microwave plasma synthesized graphene nanosheets. *Journal of Physics D: Applied Physics*, 54, 16, 165201. doi: 10.1088/1361-6463/abdb6d

WoS: IF₂₀₂₀: 3,207; Q2 (58/160) in Physics, Applied; počet citací: 12

Kasatkin, A.V., Zubkova, N.V., Pekov, I.V., Chukanov, N.V., **Škoda, R.**, Agakhanov, A.A., Belakovskiy, D.I., Britvin, S.N., Pushcharovsky, D.Y. (2021): The mineralogy of the historical Mochalin Log *REE* deposit, South Urals, Russia. Part IV. Alexkuznetsovite-(La), La₂Mn(CO₃)(Si₂O₇), alexkuznetsovite-(Ce), Ce₂Mn(CO₃)(Si₂O₇) and biraite-(La), La₂Fe²⁺(CO₃)(Si₂O₇), three new isostructural minerals and a definition of the biraite group. *Mineralogical Magazine*, 85, 772–783. doi: 10.1180/mgm.2021.64

WoS: IF₂₀₂₀: 2,062; Q2 (13/30) in Mineralogy; počet citací: 2

Kočová Veselská, M., Kočí, T., Jäger, M., Mikuláš, R., Heřmanová, Z., Morel, N., **Šamánek, J.** (2021): Sclerobionts on tubes of the serpulid *Pyrgopolon (Pyrgopolon) deforme* (Lamarck, 1818) from the upper Cenomanian of Le Mans region, France. *Cretaceous Research*, 125, 104873. doi: 10.1016/j.cretres.2021.104873

WoS: IF₂₀₂₀: 2,176; Q1 (13/54) in Paleontology; Q2 (14/48) in Geology; počet citací: 12

Kotková, J., **Čopjaková, R.**, **Škoda, R.** (2021): Multiphase solid inclusions reveal the origin and fate of carbonate-silicate melts in metasomatised peridotite. *Lithos*, 398, 106309. doi: 10.1016/j.lithos.2021.106309

WoS: IF₂₀₂₀: 4,004; Q1 (7/30) in Mineralogy; Q1 (19/88) in Geochemistry & Geophysics; počet citací: 6

Kremser, K., Thallner, S., Strbik, D., Spiess, S., Kučera, J., Vaculovič, T., **Všianský, D.**, Haberbauer, M., Mandl, M., Guebitz, G.M. (2021): Leachability of metals from waste incineration residues by iron- and sulfur-oxidizing bacteria. *Journal of Environmental Management*, 280, 111734. doi: 10.1016/j.jenvman.2020.111734

WoS: IF₂₀₂₀: 6,789; Q1 (34/274) in Environmental Sciences; počet citací: 17

Krmíček, L., **Novák, M.**, Trumbull, R.B., **Cempírek, J.**, Houzar, S. (2021): Boron isotopic variations in tourmaline from metacarbonates and associated talc-silicate rocks from the Bohemian Massif: Constraints on boron recycling in the Variscan orogen. *Geoscience Frontiers*, 12, 1, 219–230. doi: 10.1016/j.gsf.2020.03.009

WoS: IF₂₀₂₀: 6,853; Q1 (8/199) in Geosciences, Multidisciplinary; počet citací: 8

Krmíček, L., Romer, R.L., Timmerman, M.J., Ulrych, J., Glodny, J., **Přichystal, A.**, Sudom, M. (2021): Long-lasting (65 Ma) regionally contrasting late- to post-orogenic Variscan mantle-derived potassic magmatism in the Bohemian Massif (vol 61, egaa072, 2020). *Journal of Petrology*, 62, 5, egab040. doi: 10.1093/petrology/egab040

WoS: IF₂₀₂₀: 1,708; Q1 (12/88) in Geochemistry & Geophysics; počet citací: 0

Krmíček, L., Ulrych, J., Jelínek, E., Skála, R., **Krmíčková, S.**, Korbelová, Z., Balogh, K. (2021): Petrogenesis of Cenozoic high-Mg (picritic) volcanic rocks in the České středohoří Mts. (Bohemian Massif, Czech Republic). *Mineralogy and Petrology*, 115, 2, 193–211. doi: 10.1007/s00710-020-00729-5

WoS: IF₂₀₂₀: 1,708; Q2 (15/30) in Mineralogy; Q3 (54/88) in Geochemistry & Geophysics; počet citací: 0

Kubeš, M., **Leichmann, J.**, **Wertich, V.**, **Mozola, J.**, Holá, M., Kanický, V., **Škoda, R.** (2021): Metamictization and fluid-driven alteration triggering massive HFSE and REE mobilization from zircon and titanite: Direct evidence from EMPA imaging and LA-ICP-MS analyses. *Chemical Geology*, 586, 12593. doi: 10.1016/j.chemgeo.2021.120593

WoS: IF₂₀₂₀: 4,015; Q1 (18/88) in Geochemistry & Geophysics; počet citací: 15

Majzlan, J., Plášil, J., Dachs, E., Benisek, A., Mangold, S., **Škoda, R.**, Abrosimova, N. (2021): Prediction and observation of formation of Ca–Mg arsenates in acidic and alkaline fluids: Thermodynamic properties and mineral assemblages at Jáchymov, Czech Republic and Rotgülden, Austria. *Chemical Geology*, 559, 119922. doi: 10.1016/j.chemgeo.2020.119922

WoS: IF₂₀₂₀: 4,015; Q1 (18/88) in Geochemistry & Geophysics; počet citací: 6

Malíčková, I., Bačík, P., Fridrichová, J., Hanus, R., Illášová, L., Štubňa, J., Furka, D., Furka, S., **Škoda, R.** (2021): Optical and Luminescence Spectroscopy of Varicolored Gem Spinel from Mogok, Myanmar and Lục Yèn, Vietnam. *Minerals*, 11, 2, 169.

WoS: IF₂₀₂₀: 2,644; **Q2** (11/30) in Mineralogy; **Q2** (42/88) in Geochemistry & Geophysics; **Q2** (9/21) in Mining & Mineral Processing; počet citací: 6

Mikysek, P., Zikmund, T., Dosbaba, M., Břínek, A., **Slobodník, M.**, Adamovič, J., Meszárošová, N., Trojek, T., Kaiser, J. (2021): Multi-scale visualization of uranium-rich domains dispersed in U-Zr mineralization of sandstone-type (Břevniště, Czech Republic). *Ore Geology Reviews*, 138, 104358. doi: 10.1016/j.oregeorev.2021.104358

WoS: IF₂₀₂₀: 3,809; **Q2** (8/30) in Mineralogy; **Q1** (5/21) in Mining & Mineral Processing; počet citací: 6

Nawrocki, J., **Leichmann, J.**, Pańczyk, M. (2021): Mid-Ediacaran bimodal magmatism and peri-Baltic affinity of the Brunovistulia terrane documented by the U-Pb isotope and palaeomagnetic data from the Brno Massif (Central Europe). *Precambrian Research*, 358, 106147. doi: 10.1016/j.precamres.2021.106147

WoS: IF₂₀₂₀: 4,725; **Q1** (30/199) in Geosciences, Multidisciplinary; počet citací: 5

Nehyba, S., Roetzel, R. (2021): Coastal sandy spit deposits (Lower Burdigalian/Eggenburgian) in the Alpine-Carpathian Foredeep of Lower Austria. *Geological Quarterly*, 65, 4, 50. doi: 10.7306/gq.1619

WoS: IF₂₀₂₀: 1,350; **Q2** (23/49) in Geology; počet citací: 2

Pavelková, A., Cencerová, V., **Zeman, J.**, Antos, V., Nosek, J. (2021): Reduction of chlorinated hydrocarbons using nano zero-valent iron supported with an electric field. Characterization of electrochemical processes and thermodynamic stability. *Chemosphere*, 265, 128764. doi: 10.1016/j.chemosphere.2020.128764

WoS: IF₂₀₂₀: 7,086; **Q1** (30/274) in Environmental Sciences; počet citací: 9

Plášil, J., Petříček, V., **Škoda, R.**, Meisser, N., Kasatkin, A.V. (2021): Hidden and apparent twins in uranyl-oxide minerals agrinierite and rameauite: a demonstration of metric and reticular merohedry. *Journal of Applied Crystallography*, 54, 1656-1663, 6. doi: 10.1107/S1600576721009663

WoS: IF₂₀₂₀: 3,304; **Q2** (85/178) in Chemistry, Multidisciplinary; **Q2** (7/25) in Crystallography; počet citací: 2

Přikryl, T., **Brzobohatý, R.**, Carnevale, G. (2021): Skeletal remains with otoliths *in situ* of the Miocene croaker *Trewasciaena* cf. *kokeni* (Teleostei, Sciaenidae) from the Pannonian of the Vienna Basin. *Bulletin of Geosciences*, 96, 1, 19–28. doi: 10.3140/bull.geosci.1813

WoS: IF₂₀₂₀: 1,600; **Q2** (27/57) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 2

Scribner, E.D., **Cempírek, J.**, Groat, L.A., Evans, R.J., Biagioni, C., Bosi, F., Dini, A., Halenius, U., Orlandi, P., Pasero, M. (2021): Magnesio-lucchesiite, CaMg₃Al₆(Si₆O₁₈)(BO₃)₃(OH)₃O, a new species of the tourmaline supergroup. *American Mineralogist*, 106, 6, 862–871. doi: 10.2138/am-2021-7496

WoS: IF₂₀₂₀: 3,003; **Q2** (10/30) in Mineralogy; **Q2** (36/88) in Geochemistry & Geophysics; počet citací: 7

Spalletta, C., Corradini, C., Feist, R., Korn, D., **Kumpan, T.**, Perri, M.C., Pondrelli, M., Venturini, C. (2021): The Devonian-Carboniferous boundary in the Carnic Alps (Austria and Italy). *Palaeobiodiversity and Palaeoenvironments*, 101, 487–505. doi: 10.1007/s12549-019-00413-3

WoS: IF₂₀₁₉: 1,573; **Q3** (36/59) in Biodiversity Conservation; **Q2** (27/55) in Paleontology; počet citací: 18

Stepanov, S.Y., Palamarchuk, R.S., Varlamov, D.A., Kiseleva, D.V., Sharpyonok, L.N., **Škoda, R.**, Kasatkin, A.V. (2021): The Features of Native Gold in Ore-Bearing Breccias with Realgar-Orpiment Cement of the Vorontsovskoe Deposit (Northern Urals, Russia). *Minerals*, 11, 5, 541. doi: 10.3390/min11050541

WoS: IF₂₀₂₀: 2,644; **Q2** (11/30) in Mineralogy; **Q2** (42/88) in Geochemistry & Geophysics; počet citací: 3

Tvrđý, J., Plášil, J., Sejkora, J., **Škoda, R.**, Vrtiška, L., Dolníček, Z., Petr, M., Veselovský, F. (2021): Ferroberaunite, IMA 2021-036. CNMNC Newsletter 63. Mineralogical Magazine, 85. doi: 10.1180/mgm.2021.74

WoS: IF₂₀₂₀: 2,062; **Q2** (13/30) in Mineralogy; počet citací: 5

Vöröš, D., Řimnáčová, D., **Medvecká, L.**, **Geršlová, E.**, Díaz-Somoano, M. (2021): The impact of saline mine water on fate of mineral elements and organic matter: The case study of the Upper Silesian Coal Basin. Chemosphere, 284, 131397. doi: 10.1016/j.chemosphere.2021.131397

WoS: IF₂₀₂₀: 7,086; **Q1** (33/279) in Environmental Sciences; počet citací: 8

Weiner, T., **Weinerová, H.**, **Kalvoda, J.**, Viktorýn, T. (2021): The first lower Viséan trilobite Association from limestone facies of the Moravian Karst and its relation to the sedimentary environment (Líšeň Formation, Czech Republic). Bulletin of Geosciences, 96, 2, 217–249. doi: 10.3140/bull.geosci.1811

WoS: IF₂₀₂₀: 1,600; **Q2** (27/54) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 0

Wunnava, S., Dirscherl, C.F., **Výravský, J.**, Kovařík, A., Matyášek, R., Šponer, J., Braun, D., Šponer, J.E. (2021): Acid-Catalyzed RNA-Oligomerization from 3',5'-cGMP. Chemistry–A European Journal, 27, 17581–17585. doi: 10.1002/chem.202103672

WoS: IF₂₀₂₀: 5,236; **Q2** (52/178) in Chemistry, Multidisciplinary; počet citací: 10

Zemánek, D., Lang, K., Tvrđík, L., **Všianský, D.**, Nevřivová, L., **Štursa, P.**, Kovář, P., Keršnerová, Dvořák K. (2021): Development and Properties of New Mullite Based Refractory Grog. Materials, 14, 4, 779. doi: 10.3390/ma14040779

WoS: IF₂₀₂₀: 3,623; **Q2** (27/69) in Physics, Condensed Matter; **Q1** (17/80) in Metallurgy & Metallurgical Engineering; **Q2** (152/335) in Materials Science, Multidisciplinary; **Q2** (51/160) in Physics, Applied; **Q2** (79/162) in Chemistry, Physical; počet citací: 6

Zeug, M., Nasdala, L., Ende, M., Habler, G., Hauzenberger, C., Chanmuang, C.N., **Škoda, R.**, Topa, D., Wildner, M., Wirth, R. (2021): The parasite-(Ce) enigma: challenges in the identification of fluorocarbonate minerals. *Mineralogy and Petrology*, 115, 1, 1–19. doi: 10.1007/s00710-020-00723-x
WoS: IF₂₀₂₀: 1,708; **Q2** (15/30) in Mineralogy; **Q3** (54/88) in Geochemistry & Geophysics; počet citací: 12

Zhou, J.-S., Wang, Q., Xu, Y.-G., **Cempírek, J.**, Wang, H., Ma, J.-L., Wei, G.-J., Huang, T.-Y., Zhu, G.-H., Zhang, L. (2021): Geochronology, petrology, and lithium isotope geochemistry of the Bailongshan granite-pegmatite system, northern Tibet: Implications for the ore-forming potential of pegmatites. *Chemical Geology*, 120484. doi: 10.1016/j.chemgeo.2021.120484
WoS: IF₂₀₂₀: 4.015; **Q1** (18/88) in Geochemistry & Geophysics; počet citací: 29

2020 (celkem 37 článků, 9 studentů spoluautorů – červeně)

Ackerman, L., Kotková, J., **Čopjaková, R.**, Sláma, J., Trubač, J., Dillingerová, V. (2020): Petrogenesis and Lu–Hf dating of (ultra)mafic rocks from the Kutná Hora Crystalline Complex: implications for the Devonian evolution of the Bohemian Massif. *Journal of Petrology*, 61, 8, ega075. doi: 10.1093/petrology/egaa075
WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 15

Alba, D.M., Gasamans, N., Pons-Monjo, G., Luján, Á.H., Robles, J.M., Obrado, P., Casanovas-Vilar, I. (2020): Oldest *Deinotherium proavum* from Europe. *Journal of Vertebrate Paleontology*, 40, 2, e1775624. doi: 10.1080/02724634.2020.1775624
WoS: IF₂₀₁₉: 1,863; **Q2** (20/54) in Paleontology; počet citací: 5

Bačík, P., Fridrichová, J., Štubňa, J., Bancík, T., Illášová, L'., Pálková, H., **Škoda, R.**, Mikuš, T., Milovská, S., Vaculovič, T., Sečkář, P. (2020): The REE-Induced Absorption and Luminescence in Yellow Gem-Quality Durango-Type Hydroxylapatite from Muránská Dlhá Lúka, Slovakia. *Minerals*, 10, 11, 1001. doi: 10.3390/min10111001
WoS: IF₂₀₁₉: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; počet citací: 4

Barros, R., Kaeter, D., Menuge, J.F., **Škoda, R.** (2020): Controls on chemical evolution and rare element enrichment in crystallising albite-spodumene pegmatite and wallrocks: Constraints from mineral chemistry. *Lithos*, 352, 105289. doi: 10.1016/j.lithos.2019.105289
WoS: IF₂₀₁₉: 3,390; **Q2** (22/85) in Geochemistry & Geophysics; **Q2** (8/30) in Mineralogy; počet citací: 34

Berčáková, A., Melichar, R., Souček, K. (2020): Mechanical Properties and Failure Patterns of Migmatized Gneiss with Metamorphic Foliation Under UCS Test. *Rock Mechanics and Rock Engineering*, 53, 2007–2013. doi: 10.1007/s00603-019-02012-2
WoS: IF₂₀₁₉: 4,140; **Q1** (5/39) in Engineering, Geological; **Q1** (24/200) in Geosciences, Multidisciplinary; počet citací: 13

Blaško, D., Nehyba, S. (2020): Synchrony evolution of two contradictory prograding Gilbert-type deltas at the margins of the foreland basin (case study from the Neogene Western Carpathian Foredeep). *Marine and Petroleum Geology*, 118, 104407. doi: 10.1016/j.marpetgeo.2020.104407
WoS: IF₂₀₁₉: 3,790; **Q1** (31/200) in Geosciences, Multidisciplinary; počet citací: 3

Boriová, S., Sázelová, S., Novák, M., **Štelcl, J.**, Svoboda, J. (2020): Human and non-human taphonomic effects on faunal remains from the Late Upper Paleolithic: a case study from the Stránská skála IV site, Czech Republic. *International Journal of Osteoarchaeology*, 30,2, 155–169. doi: 10.1002/oa.2843
WoS: IF₂₀₁₉: 1,228; **Q2** (38/90) in Anthropology; počet citací: 6

Černý, J., **Melichar, R., Všíanský, D.,** Drahokoupil, J. (2020): Magnetic Anisotropy of rocks: A New Classification of Inverse Magnetic Fabrics to Help Geological Interpretations. *Journal of Geophysical Research: Solid Earth*, 125, 11, 1–13. doi: 10.1029/2020JB020426
WoS: IF₂₀₁₉: 3,639; **Q1** (16/85) in Geochemistry & Geophysics; počet citací: 9

Dvořák, K., **Všíanský, D.,** Gazdič, D., Fridrichová, M., Vaiciukyniene, D. (2020): Thaumassite formation by hydration of sulphosilicate clinker. *Materials Today Communications*, 25, 101449. doi: 10.1016/j.mtcomm.2020.101449
WoS: IF₂₀₁₉: 2,678; **Q2** (151/314) in Materials Science, Multidisciplinary; počet citací: 3

Faimon, J., Lang, M., Geršl, M., Sracek, O., Bábek, O. (2020): The „breathing spots“ in karst areas—the sites of advective exchange of gases between soils and adjacent underground cavities. *Theoretical and Applied Climatology*, 142, 1-2, 85–101. doi: 10.1007/s00704-020-03280-7

WoS: IF₂₀₁₉: 2,882; **Q2** (40/93) in Meteorology & Atmospheric Sciences; počet citací: 7

Hudáčková, N., Holcová, K., Halásová, E., Kováčová, M., **Doláková, N.,** Trubač, J., Rybár, S., Ruman, A., Stárek, D., Šujan, M., Jamrich, M., Kováč, M. (2020): The Pannonian Basin System northern margin paleogeography, climate and depositional environments in the time range during MMCT (Central Paratethys, Novohrad-Nógrád Basin, Slovakia). *Palaeontologia Electronica*, 23, 3, a50. doi: 10.26879/1067

WoS: IF₂₀₁₉: 1,616; **Q2** (25/55) in Paleontology; počet citací: 8

Kaiser, S.I., **Kumpan, T.,** Rasser, M.W. (2020): High-resolution conodont biostratigraphy in two key sections from the Carnic Alps (Grüne Schneid) and Graz Paleozoic (Tropf) – implications for the biozonation concept at the Devonian-Carboniferous boundary. *Newsletters on Stratigraphy*, 53, 3, 249–274. doi: 10.1127/nos/2019/0520

WoS: IF₂₀₁₉: 3,025; **Q1** 7/47) in Geology; počet citací: 8

Kasatkin, A.V., Britvin, S.N., Peretyazhko, I.S., Chukanov, N.V., **Škoda, R.,** Agakhanov, A.A. (2020): Oxybismutomicrolite, a new pyrochlore-supergroup mineral from the Malkhan pegmatite field, Central Transbaikalia, Russia. *Mineralogical Magazine*, 84, 3, 444–454. doi: 10.1180/mgm.2020.25

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 5

Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.,** Agakhanov, A.A., Stepanov, S.Y., Palamarchuk, R.S. (2020): Luboržákit, Mn₂AsSbS₅, a new member of pavonite homologous series from Vorontsovskoe gold deposit, Northern Urals, Russia. *Mineralogical Magazine*, 84, 5, 738–745. doi: 10.1180/mgm.2020.48

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 7

Kasatkin, A.V., Zubkova, N.V., Pekov, I.V., Chukanov, N.V., **Škoda, R.,** Polekhovskiy, Y.S., Agakhanov, A.A., Belakovskiy, D.I., Kuznetsov, A.M., Britvin, S.N., Pushcharovskiy, D.Y. (2020): The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part I. New gatelite-group minerals ferriperboeite-(La), (CaLa₃)(Fe³⁺Al₂Fe²⁺)[Si₂O₇][SiO₄]₃O(OH)₂ and perboeite-(La), (CaLa₃)(Al₃Fe²⁺)[Si₂O₇][SiO₄]₃O(OH)₂. *Mineralogical Magazine*, 84, 4, 593–607. doi: 10.1180/mgm.2020.42

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 5

Kasatkin, A.V., Zubkova, N.V., Pekov, I.V., Chukanov, N.V., **Škoda, R.,** Agakhanov, A.A., Belakovskiy, D.I., Ksenofontov, D.A., Plášil, J., Kuznetsov, A.M., Britvin, S.N., Pushcharovskiy, D.Y. (2020): The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part III. Percleveite-(La), La₂Si₂O₇, a new REE disilicate mineral. *Mineralogical Magazine*, 84, 6T, 913–920. doi: 10.1180/mgm.2020.81

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 4

Krmíček, L., Ackerman, L., **Hrubý, J.,** Kynický, J. (2020): The highly siderophile elements and Re-Os isotope geochemistry of Variscan lamproites from the Bohemian Massif: implications for regionally dependent metasomatism of orogenic mantle. *Chemical geology*, 532, 11920. doi: 10.1016/j.chemgeo.2019.119290

WoS: IF₂₀₁₉: 3,363; **Q2** (23/85) in Geochemistry & Geophysics; počet citací: 9

Krmíček, L., Romer, R.L., **Cempírek, J.,** **Gadas, P.,** **Krmíčková, S.,** Glodny, J. (2020): Petrographic and Sr-Nd-Pb-Li isotope characteristics of a complex lamproite intrusion from the Saxo-Thuringian Zone: A unique example of peralkaline mantle-derived melt differentiation. *Lithos*, 374, 105735. doi: 10.1016/j.lithos.2020.105735

WoS: IF₂₀₁₉: 3,390; **Q2** (22/85) in Geochemistry & Geophysics; Mineralogy; **Q2** (8/30) in Mineralogy; počet citací: 12

Krmíček, L., Romer, R.L., Timmerman, M.J., Ulrych, J., Glodny, J., **Přichystal, A.,** Sudo, M. (2020): Long-Lasting (65 Ma) Regionally Contrasting Late- to Post-Orogenic Variscan Mantle-derived Potassic Magmatism in the Bohemian Massif. *Journal of Petrology*, 61, 7, ega072. doi: 10.1093/ptrology/egaa072

WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 19

Krmíčková, S., Krmíček, L., Romer, R.L., Ulrych, J. (2020): Lead isotope evolution of the Central European upper mantle: Constraints from the Bohemian Massif. *Geoscience Frontiers*, 11, 3, 925–942. doi: 10.1016/j.gsf.2019.09.009

WoS: IF₂₀₁₉: 4,202; **Q1** (22/200) in Geosciences, Multidisciplinary; počet citací: 15

Lang, M., Faimon, J. (2020): Effect of water excess on soil carbon dioxide, seepage water chemistry, and calcite speleothem growth: An experimental and modeling approach. *Hydrological Processes*, 34, 22, 4334–4349. doi: 10.1002/hyp.13877

WoS: IF₂₀₁₉: 3,256; **Q1** (18/94) in Water Resources; počet citací: 0

Ličbinský, R., Faimon, J., Tanda, S., Hegrová, J., Goessler, W., Überhuberová, J. (2020): Changes in the elemental composition of particulate matter in a speleotherapeutic cave. *Atmospheric Pollution Research*, 11, 1142–1154. doi: 10.1016/j.apr.2020.04.008

WoS: IF₂₀₁₉: 3,527; **Q2** (80/265) in Environmental Sciences; počet citací: 4

Mahdy, N.M., Ntaflos, T., Pease, V.L., Sami, M., **Slobodník, M.**, Abu Steet, A.A., Abdelfadil, K.M., Fathy, D. (2020): Combined zircon U–Pb dating and chemical Th–U–total Pb chronology of monazite and thorite, Abu Diab A-type granite, Central Eastern Desert of Egypt: Constraints on the timing and magmatic-hydrothermal evolution of rare metal granitic magmatism in the Arabian Nubian Shield. *Chemie der Erde*, 80, 4, 125669. doi: 10.1016/j.chemer.2020.125669

WoS: IF₂₀₁₉: 2,871; **Q2** (36/85) in Geochemistry & Geophysics; počet citací: 29

Moiny, H., Faryad, S.W., **Čopjaková, R.**, Jedlicka, R. (2020): Multi-stage metamorphism by progressive accretion of continental blocks, example from the Western Hindu Kush. *Journal of Metamorphic Geology*, 38, 7, 693–717. doi: 10.1111/jmg.12535

WoS: IF₂₀₁₉: 4,046; **Q1** (2/47) in Geology; počet citací: 2

Nasdala, L., Akhmadaliev, S., Burakov, B.E., Chanmuang, N.C., **Škoda, R.** (2020): The absence of metamictisation in natural monazite. *Scientific Reports*, 10, 1, 14676. doi: 10.1038/s41598-020-71451-7

WoS: IF₂₀₁₉: 3,998; **Q1** (17/71) in Multidisciplinary Sciences; počet citací: 18

Petrík, J., Nováček, K., Všíanský, D., Al-Juboury A.I., Slavíček, K. (2020): Islamic glazed pottery from Adiabene (Iraq, Kurdistan): multianalytical research into its technological development and provenance. *Archaeological and Anthropological Sciences*, 12, 1, 19. doi: 10.1007/s12520-019-01002-3

WoS: IF₂₀₁₉: 2,063; **Q1** (18/91) in Anthropology; **Q3** (109/200) in Geosciences, Multidisciplinary; počet citací: 1

Plášil, J., Kampf, A.R., Meisser, N., Lheur, C., Brunsperger, T., **Škoda, R.** (2020): Smamite, Ca₂Sb(OH)₄[H(AsO₄)₂] · 6H₂O, a new mineral and a possible sink for Sb during weathering of fahlore. *American Mineralogist*, 105, 4, 555–560. doi: 10.2138/am-2020-7133

WoS: IF₂₀₁₉: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 1

Plášil, J., Kampf, A.R., Olds, T.A., Sejkora, J., **Škoda, R.**, Burns, P.C., Čejka, J. (2020): The new K, Pb-bearing uranyl-oxide mineral kroupaite: Crystal-chemical implications for the structures of uranyl-oxide hydroxy-hydrates. *American Mineralogist*, 105, 4, 561–568. doi: 10.2138/am-2020-7311

WoS: IF₂₀₁₉: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 6

Roth, P., Meisser, N., Nestola, F., **Škoda, R.**, Cámara, F., Bosí, F., Ciriotti, M.E., Halenius, U., Schnyder, C., Bracco, R. (2020): Rüdingerite, Mn²⁺₂V⁵⁺O₇ · 2H₂O, a New Species Isostructural with Fianelite. *Minerals*, 10, 11, 960. doi: 10.3390/min10110960

WoS: IF₂₀₁₉: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; počet citací: 1

Sajjad, W., Zheng, G.D., Ma, X.X., Xu, W., Ali, B., Rafiq, M., Zada, S., Irfan, M., **Zeman, J.** (2020): Dissolution of Cu and Zn-bearing ore by indigenous iron-oxidizing bacterial consortia supplemented with dried bamboo sawdust and variations in bacterial structural dynamics: A new concept in bioleaching. *Science of the Total Environment*, 709, 136136. doi: 10.1016/j.scitotenv.2019.136136

WoS: IF₂₀₁₉: 6,551; **Q1** (22/265) in Environmental Sciences; počet citací: 14

Sázelová, S., Lawler, D., **Hladilová, Š.**, Boriová, S., Šáliová, S., Janoušek, T., Perri, A.R., Hublin, J.-J., Svoboda, J. (2020): A wolf from Gravettian site Pavlov I, Czech Republic: Approach to skull pathology. *International Journal of Paleopathology*, 31, 7–13. doi: 10.1016/j.ijpp.2020.07.001

WoS: IF₂₀₁₉: 1,614; Q2 (26/55) in Paleontology; Q3 (53/78) in Pathology; počet citací: 1

Slobodník, M., Dillingerová, V., Blažeková, M., Huraiová, M., Hurai, V. (2020): Trace Elements in Apatite as Genetic Indicators of the Evate Apatite-Magnetite Deposit, NE Mozambique. *Minerals*, 10, 12, 1125. doi: 10.3390/min10121125

WoS: IF₂₀₁₉: 2,380; Q2 (11/30) in Mineralogy; Q2 (6/21) in Mining & Mineral Processing; počet citací: 1

Šimíček, D., Bábek, O., Faměra, M., **Kalvoda, J.** (2020): Million-year secular variations in the elemental Geochemistry of Devonian marine records and a link to global climate and bioevents: Prague Basin, Czechia. *Sedimentary Geology*, 402, 105651. doi: 10.1016/j.sedgeo.2020.105651

WoS: IF₂₀₁₉: 2,728; Q1 (8/47) in Geology; počet citací: 6

Števkó, M., Sejkora, J., Plášil, J., Dolníček, Z., **Škoda, R.** (2020): Fluorapophyllite-(NH₄), NH₄Ca₄(Si₈O₂₀)F · 8H₂O, a new member of the apophyllite group from the Vevec quarry, eastern Slovakia. *Mineralogical Magazine*, 84, 4, 533–539. doi: 10.1180/mgm.2020.44

WoS: IF₂₀₁₉: 1,738; Q2 (13/30) in Mineralogy; počet citací: 4

Tomašič, N., **Škoda, R.,** Bermanec, V., Šoufek, M. (2020): Crystal chemistry and microfeatures of gadolinite imprinted by pegmatite formation and alteration evolution. *American Mineralogist*, 105, 11, 1647–1655. doi: 10.2138/am-2020-7355

WoS: IF₂₀₁₉: 2,924; Q2 (33/85) in Geochemistry & Geophysics; Q2 (10/30) in Mineralogy; počet citací: 1

Vašinka, M., Krmíček, L., Všíanský, D., Hrbáček, F., Nývlt, D. (2020): Chemical weathering in Antarctica: an example of igneous rock particles in Big Lachman Lake sediments, James Ross Island. *Environmental Earth Sciences*, 79, 8, 186. doi: 10.1007/s12665-020-08926-3

WoS: IF₂₀₁₉: 2,180; Q3 (147/265) in Environmental Sciences; Q3 (103/200) in Geosciences, Multidisciplinary; Q2 (43/94) in Water Resources; počet citací: 7

Weinerová, H., Bábek, O., Slavík, L., Vohnof, H., Joachimski, M.M., Hladil, J. (2020): Oxygen and carbon stable isotope records of the Lochkovian-Pragian boundary interval from the Prague Basin (Lower Devonian, Czech Republic). *Palaeogeography, Palaeoclimatology, Palaeoecology*, 560, 110036. doi: 10.1016/j.palaeo.2020.110036

WoS: IF₂₀₁₉: 2,833; Q2 (21/50) in Geography, Physical; Q2 (66/200) in Geosciences, Multidisciplinary; Q1 (5/55) in Paleontology; počet citací: 8

2019 (celkem 27 článků, 8 studentů spoluautorů – červeně)

Baroň, I., **Sokol, L', Melichar, R.,** Plan, L. (2019): Gravitational and tectonic stress states within a deep-seated gravitational slope deformation near the seismogenic Periadriatic Line fault. *Engineering Geology*, 261, 1, 105284. doi: 10.1016/j.enggeo.2019.105284

WoS: IF₂₀₁₈: 3,909; Q1 (4/38) in Engineering, Geological; Q1 (30/196) Geosciences, Multidisciplinary; počet citací: 10

Baroň, I., Plan, L., **Sokol, L',** Grasermann, B., **Melichar, R.,** Mitrovic, I, Stemberk, J. (2019): Present-day kinematic behavior of active faults in the Eastern Alps. *Tectonophysics*, 752, 1–23. doi: 10.1016/j.tecto.2018.12.024

WoS: IF₂₀₁₈: 2,764; Q2 (34/84) in Geochemistry & Geophysics; počet citací: 19

Brzobohatý, R., Bubík, M. (2019): Paleogene fish otoliths (Teleostei) from Subsilesian and Zdanice units in Moravia. *Bulletin of Geosciences*, 94, 1, 101–114. doi: 10.3140/bull.geosci.1715

WoS: IF₂₀₁₈: 1,500; Q2 (20/57) in Paleontology; Q3 (138/196) in Geosciences, Multidisciplinary; počet citací: 4

Faimon, J., Ličbinský, R., Lang, M., Überhuberová, J., Hebelka, J. (2019): Cave microclimatology: diurnal variations in aerosol particle concentrations. *Theoretical and Applied Climatology*, 137, 3-4, 2841–2852. doi: 10.1007/s00704-019-02776-1

WoS: IF₂₀₁₈: 2,720; Q2 (31/86) in Meteorology & Atmospheric Sciences; počet citací: 4

Georgalis, G.L., **Ivanov, M.,** Villa, A., Roussiakis, S., Skandalos, P., Delfino, M. (2019): Early Miocene herpetofaunas from the Greek localities of Aliveri and Karydia – bridging a gap in the knowledge of amphibians

and reptiles from the early Neogene of southeastern Europe. *Historical Biology*. doi: 10.1080/08912963.2017.1417404

WoS: IF₂₀₁₈: 1,489; Q2 (22/57) in Paleontology; počet citací: 27

Georgalis, G.L., Villa, A., **Ivanov, M.**, Vasilyan, D., Delfino, M. (2019): Fossil amphibians and reptiles from the Neogene locality of Maramena (Greece), the most diverse European herpetofauna at the Miocene/Pliocene transition boundary. *Palaeontologia electronica*, 22.3.68. doi: 10.26879/908

WoS: IF₂₀₁₈: 1,366; Q2 (24/57) in Paleontology; počet citací: 47

Guastoni, A., Secco, L., **Škoda, R.**, Nestola, F., Schiazza, M., **Novák, M.**, Pennacchioni, G. (2019): Non-Metamict Aeschynite-(Y), Polycrase-(Y), and Samarskite-(Y) in NYF Pegmateites from Arvogno, Vigezzo Valley (Central Alps, Italy). *Minerals*, 9, 5, 313. doi: 10.3390/min9050313

WoS: IF₂₀₁₈: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 8

Ivanov, M., Vasilyan, D., Böhme, M., Zazhigin, V.S. (2019): Miocene snakes from northeastern Kazakhstan: new data on the evolution of snake assemblages in Siberia. *Historical Biology*, 31, 10, 1284–1303. doi: 10.1080/08912963.2018.1446086

WoS: IF₂₀₁₈: 1,489; Q2 (22/57) in Paleontology; počet citací: 6

Janoušek, V., Holub, F.V., Verner, K., **Čopjaková, R.**, Gerdes, A., Hora, J.M., Košler, J., Tyrrell, S. (2019): Two-pyroxene syenitoids from the Moldanubian Zone of the Bohemian Massif: peculiar magmas derived from a strongly enriched lithospheric mantle source. *Lithos*, 342-343, 239–262. doi: 10.1016/j.lithos.2019.05.028

WoS: IF₂₀₁₈: 3,913; Q1 (16/84) in Geochemistry & Geophysics; Q1 (3/29) in Mineralogy; počet citací: 19

Jirman, P., **Geršlová, E.**, Bubík, M., Sachsenhofer, R.F. (2019): Depositional environment and hydrocarbon potential of the Oligocene Mentilite Formation in the Western Carpathians: A case study from the Loučka section (Czech Republic). *Marine and Petroleum Geology*, 107, 334–350. doi: 10.1016/j.marpetgeo.2019.05.034

WoS: IF₂₀₁₈: 3,538; Q1 (39/196) in Geosciences, Multidisciplinary; počet citací: 11

Kalvoda, J., **Kumpan, T.**, Qie, W., Frýda, J., **Bábek, O.** (2019): Mercury spikes at the Devonian-Carboniferous boundary in the eastern part of the Rhenohercynian Zone (central Europe) and in the South China Block. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 531, A, 1–12. doi: 10.1016/j.palaeo.2019.05.043

WoS: IF₂₀₁₈: 2,616; Q1 (4/57) in Paleontology; Q2 (25/50) in Geography, Physical; Q2 (70/196) in Geosciences, Multidisciplinary; počet citací: 28

Kasatkin, A.V., Camara, F., Chukanov, N.V., **Škoda, R.**, Nestola, F., Agakhanov, A.A., Belakovskiy, D.I., Lednyov, V.S. (2019): Patynite, NaKCa₄[Si₉O₂₃], a New Mineral from the Patynskiy Massif, Southern Siberia, Russia, *Minerals*, 9, 10, 611. doi: 10.3390/min9100611

WoS: IF₂₀₁₈: 2,250; Q2 (12/29) in Mineralogy; Q2 (6/19) in Mining & Mineral Processing; počet citací: 3

Krivovichev, S.V., Panikorovskii, T.L., Zolotarev, A.A., Bocharov, V.N., Kasatkin, A.V., **Škoda, R.** (2019): Jahn-Teller Distortion and Cation Ordering: The Crystal Structure of Paratooite-(La), a Superstructure of Carbocearnite. *Minerals*, 9, 6, 370. doi: 10.3390/min9060370

WoS: IF₂₀₁₈: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 2

Kumpan, T., **Kalvoda, J.**, **Bábek, O.**, Holá, M., Kanický, V. (2019): Tracing paleoredox conditions across the Devonian-Carboniferous boundary event: A case study from carbonate-dominated settings of Belgium, the Czech Republic, and northern France. *Sedimentary Geology*, 380, 143–157. doi: 10.1016/j.sedgeo.2018.12.003

WoS: IF₂₀₁₈: 3,244; Q1 (9447) in Geology; počet citací: 21

Luján, Á.H., Ferrandiz-Rovira, M., Torres, C., Bertolero, A. (2019): Intraspecific variation in digit reduction in *Testudo*: the case of the Hermann's tortoise. *Organisms Diversity & Evolution*, 19, 625–635. doi: 10.1007/s13127-019-00413-3

WoS: IF₂₀₁₈: 2,143; Q3 (35/50) in Evolutionary Biology; Q1 (19/170) in Zoology; počet citací: 0

Luján, Á.H., Chroust, M., Čerňanský, A., Fortuny, J., Mazuch, M., **Ivanov, M.** (2019): First record of *Diplocynodon ratelii* Pomel, 1847 from the early Miocene site of Tušimice (Most Basin, Northwest Bohemia, Czech Republic). Premier signalement de *Diplocynodon ratelii* Pomel, 1847 dans le site du Miocène inférieur de Tušimice (basin de Most, du Nord-Ouest, République Tchèque). *Comptes Rendus Palevol*, 18, 7, 877–889. doi: 10.1016/j.crpv.2019.04.002

WoS: IF₂₀₁₈: 1,818; **Q1** (11/57) in Paleontology; počet citací: 13

Mikysek, P., Trojek, T., Mészárosová, N., Adamovič, J., **Slobodník, M.** (2019): X-ray fluorescence mapping as a first-hand tool in disseminated ore assessment: sandstone-hosted U–Zr mineralization. *Minerals Engineering*, 141, 1–13. doi: 10.1016/j.mineng.2019.105840

WoS: IF₂₀₁₈: 3,315; **Q1** (7/29) in Mineralogy; **Q1** (3/19) in Mining & Mineral Processing; **Q2** (39/138) in Engineering, Chemical; počet citací: 3

Němeček, J., Nechanická, M., Špánek, R., Eichler, F., **Zeman, J.**, Černík, M. (2019): Engineered in situ biogeochemical transformation as a secondary treatment following ISCO - A field test. *Chemosphere*, 237, 124460. doi: 10.1016/j.chemosphere.2019.124460

WoS: IF₂₀₁₈: 5,108; **Q1** (32/251) in Environmental Sciences; počet citací: 5

Opletal, V., **Geršlová, E.**, **Nehyba, S.**, Sýkorová, I., **Rez, J.** (2019): Geology and thermal maturity of Namurian deposits in the Němčíčky Sub-basin as the South-eastern continuation of the Upper Silesian Coal Basin (Czech Republic). *International Journal of Coal Geology*, 216, 103323. doi: 10.1016/j.coal.2019.103323

WoS: IF₂₀₁₈: 5,330; **Q1** (18/103) in Energy & Fuels; **Q1** (9/196) in Geosciences, Multidisciplinary; počet citací: 0

Pračný, P., **Faimon, J.**, **Všianský, D.**, **Přichystal, A.** (2019): Evolution of Mg/Ca ratios during the experimental dissolution of limestone. *Chemical Geology*, 523, 107–120. doi: 10.1016/j.chemgeo.2019.05.040

WoS: IF₂₀₁₈: 3,618; **Q1** (19/84) in Geochemistry & Geophysics; počet citací: 9

Raška, P., **Pokorný, R.**, **Krmíček, L.**, **Kuboušková, S.**, Mortensen, L. (2019): Basaltic Dyke with Specific Volcanogenic Structures and its Geomorphic Evolution: Unique Geoheritage of the Faroe Islands (North Atlantic Ocean). *Geoheritage*, 11, 2, 417–426. doi: 10.1007/s12371-018-0296-x

WoS: IF₂₀₁₈: 2,597; **Q2** (71/196) in Geosciences, Multidisciplinary; počet citací: 3

Scheiner, F., Holcová, K., Milovský, R., **Doláková, N.**, Rigová, J. (2019): Response of benthic foraminiferal communities to changes in productivity and watermass conditions in the epicontinental Paratethys during the middle Miocene. *Marine Micropaleontology*, 151, UNSP 101750. doi: 10.1016/j.marmicro.2019.101750

WoS: IF₂₀₁₈: 2,663; **Q1** (2/57) in Paleontology; počet citací: 8

Štubňa, J., Bačík, P., Fridrichová, J., Hanus, R., Illášová, L., Milovská, S., **Škoda, R.**, Vaculovič, T. (2019): Gem-Quality Green Cr-Bearing Andradite (var. Demantoid) from Dobšiná, Slovakia. *Minerals*, 9, 3, 164. doi: 10.3390/min9030164

WoS: IF₂₀₁₈: 2,250; **Q2** (29/84) in Geochemistry & Geophysics; počet citací: 10

Tanda, S., **Ličbinský, R.**, Hegrová, J., **Faimon, J.**, Goessler, W. (2019): Arsenic speciation in aerosols of a respiratory therapeutic cave: A first approach to study arsenicals in ultrafine particles. *Science of the Total Environment*, 651, 2, 1839–1848. doi: 10.1016/j.scitotenv.2018.10.102

WoS: IF₂₀₁₈: 5,589; **Q1** (27/250) in Environmental Sciences; počet citací: 15

Tocháček, J., Láska, K., Bálková, R., **Krmíček, L.**, Merna, J., Tupý, M., Kapler, P., Poláček, P., Čížková, K., Buráň, Z. (2019): Polymer weathering in Antarctica. *Polymer Testing*, 77, 105898. doi: 10.1016/j.polymertesting.2019.105898

WoS: IF₂₀₁₈: 2,943; **Q1** (20/87) in Polymer Science; **Q1** (5/33) in Materials Science, Characterization & Testing; počet citací: 4

Villa, A., Delfino, M., **Luján, Á.H.**, Almécija, S., Alba, D.M. (2019): First record of *Latonia gigantea* (Anura, Alytidae) from the Iberian Peninsula. *Historical Biology*, 31, 3, 371–382. doi: 10.1080/08912963.2017.1371712

WoS: IF₂₀₁₈: 1,489; **Q2** (22/57) in Paleontology; počet citací: 9

Villa, A., Kirchner, M., Alba, D.M. Bernardini, F., Bolet, A., **Luján, Á.H.**, Fortuny, J., Hipsley, C.A, Muller, J., Sindaco, R., Tuniz, C., Delfino, M. (2019): Comparative cranial osteology of *Blanus* (Squamata: Amphisbaenia). *Zoological Journal of the Linnean Society*, 185, 3, 693–716. doi: 10.1093/zoolinnean/zly082

WoS: IF₂₀₁₈: 2,909; **Q1** (10/170) in Zoology; počet citací: 11

2018 (celkem 33 článků, 12 studentů spoluautorů – červeně)

Alba, D.M., Casanovas-Vilar, I., Furió, M., García-Paredes, I., Angelone, C., Jovells Vaqué, S., **Luján, Á.H.**, Almécija, S., Moya-Sola, S. (2018): Can Pallars i Llobateres: A new hominoid-bearing locality from the late Miocene of the Vallés-enedés Basin (NE Iberian Peninsula). *Journal of Human Evolution*, 121, 193–203. doi: 10.1016/j.jhevol.2018.04.008

WoS: IF₂₀₁₇: 3,992; **Q2** (13/149) in Evolutionary Biology; počet citací: 8

Bábek, O., Faměra, M., Hladil, J., Kapusta, J., **Weinerová, H.**, Šimíček, D., Slavík, L., Ďurišová, J. (2018): Origin of red pelagic carbonates as an interplay of global climate and local basin factors: Insight from the Lower Devonian of the Prague Basin, Czech Republic. *Sedimentary Geology*, 364, 71–88. doi: 10.1016/j.sedge.2017.12.007

WoS: IF₂₀₁₇: 2,575; **Q1** (4/47) in Geology; počet citací: 17

Bábek, O., Faměra, M., Šimíček, D., **Weinerová, H.**, Hladil, J., **Kalvoda, J.** (2018): Sea-level changes vs. Organic productivity as controls on Early and Middle Devonian bioevents: Facies- and gamma-ray based sequence-stratigraphic correlation of the Prague Basin, Czech Republic. *Global and Planetary Change*, 160, 75–95. doi: 10.1016/j.gloplacha.2017.11.009

WoS: IF₂₀₁₇: 3,982; **Q1** (8/49) in Geography, Physical; **Q1** (20/190) in Geosciences, Multidisciplinary; počet citací: 25

Blahut, J., Baroň, I., **Sokol, L.**, Meletlidis, S., Klimeš, J., Rowberry, M., **Melichar, R.**, García-Canada, L., Martí, X. (2018): Large landslide stress states calculated during extreme climatic and tectonic events on El Hierro, Canary Islands. *Landslides*, 15, 9, 1801–1814. doi: 10.1007/s10346-018-0993-1

WoS: IF₂₀₁₇: 3,811; **Q1** (1/36) in Engineering, Geological; **Q1** (25/190) in Geosciences, Multidisciplinary; počet citací: 8

Bořilová, Š., Mandl, M., **Zeman, J.**, Kučera, J. (2018): Can Sulfate Be the First Dominant Aqueous Sulfur Species Formed in the Oxidation of Pyrite by *Acidithiobacillus ferrooxidans*? *Frontiers in Microbiology*, 9, 3134. doi: 10.3389/fmicb.2018.03134

WoS: IF₂₀₁₇: 4,019; **Q2** (32/123) in Microbiology; počet citací: 12

Čopjaková, R., **Kotková, J.** (2018): Composition of barian mica in multiphase soild inclusions from orogenic garnet peridotites as evidence of mantle metasomatism in a subduction zone setting. *Contributions to Mineralogy and Petrology*, 173, 106. doi: 10.1007/s00410-018-1534-6

WoS: IF₂₀₁₇: 3,626; **Q1** (6/29) in Mineralogy; **Q1** (17/85) in Geochemistry & Geophysics; počet citací: 9

Evans, R.J., Groat, L.A., **Cempírek, J.**, **Škoda, R.**, Grew, E.S., Bernard, C. (2018): The crystal chemistry of the sakaite-harkerite solid solution. *American Mineralogist*, 103, 11, 1749–1760. doi: 10.2138/am-2018-6563

WoS: IF₂₀₁₇: 2,645; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/29) in Mineralogy; počet citací: 1

Faimon, J., **Lang, M.** (2018): What actually controls the minute to hour changes in soil carbon dioxide concentrations? *Geoderma*, 323, 52–64. doi: 10.1016/j.geoderma.2018.02.048

WoS: IF₂₀₁₇: 3,740; **Q1** (5/34) in Soil Science; počet citací: 12

Frýbort, A., **Všianský, D.**, Štulířová, J., Stryk, J., **Gregerová, M.** (2018): Variations in the composition and relations between alkali-silica gels and calcium silicate hydrates in highway concrete. *Materials Characterization*, 137, 91–108. doi: 10.1016/j.matchar.2018.01.012

WoS: IF₂₀₁₇: 2,892; **Q2** (89/285) in Materials Science, Multidisciplinary; **Q1** (10/75) in Metallurgy & Metallurgical Engineering; **Q1** (3/33) in Materials Science, Characterization & Testing; počet citací: 12

Ivanov, M., Ruta, M., Klembara, J., Böhme, M. (2018): A new species of *Varanus* (Anguimorpha: Varanidae) from the early Miocene of the Czech Republic, and its relationships and palaeoecology. *Journal of Systematic Palaeontology*, 16, 9, 767–797. doi: 10.1080/14772019.2017.1355338

WoS: IF₂₀₁₇: 2,326; **Q1** (6/56) in Paleontology; **Q3** (31/49) in Evolutionary Biology; počet citací: 26

- Kalasová, D., Dvořák, K., **Slobodník, M., Všíanský, D.**, Zikmund, T., Dluhoš, J., Váňa, R., Bureš, J., Kaiser, J. (2018): Characterization of inner structure of Limestone by X-ary computed sub-micron tomography. *Construction and Building Materials*, 174, 693–700. doi: 10.1016/j.conbuildmat.2018.04.142
WoS: IF₂₀₁₇: 3,485; **Q1** (9/63) in Construction & Building Technology; **Q1** (9/132) in Engineering, Civil; **Q1** (70/293) in Materials Science, Multidisciplinary; počet citací: 6
- Kalvoda, J., Kumpan, T.**, Holá, M., **Bábek, O.**, Kanický, V., **Škoda, R.** (2018): Fine-scale LA-ICP-MS study of redox Oscillations and REEY cycling during the latest Devonian Hangenberg Crisis (Moravian Karst, Czech Republic). *Palaeogeography Palaeoclimatology Palaeoecology*, 493, 30–43. doi: 10.1016/j.palaeo.2017.12.034
WoS: IF₂₀₁₇: 2,375; **Q2** (23/49) in Geography, Physical; **Q2** (71/190) in Geosciences, Multidisciplinary; **Q1** (5/56) in Paleontology; počet citací: 15
- Kasatkin, A.V., Nestola, F., Agakhanov, A.A., **Škoda, R.**, Karpenko, V.Y., Tsyganko, M.V., Plášil, J. (2018): Vorontsovite, (Hg₅Cu)_{Σ6}TlAs₄S₁₂, and Ferrovorontsovite, (Fe₅Cu)_{Σ6}TlAs₄S₁₂: The T- and Tl-Fe-Analogues of Galkhaite from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. *Minerals*, 8, 5, 185. doi: 10.3390/min8050185
WoS: IF₂₀₁₇: 1,835; **Q2** (7/20) in Mining & Mineral Processing; **Q2** (13/29) in Mineralogy; počet citací: 9
- Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.**, Agakhanov, A.A., Karpenko, V.Y., Nestola, F. (2018): Tsygankoite, Mn₈Tl₈Hg₂(Sb₂₁Pb₂Tl)_{Σ24}S₄₈, a New Sulfosalt from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. *Minerals*, 8, 5, 218. doi: 10.3390/min8050218
WoS: IF₂₀₁₇: 1,835; **Q2** (7/20) in Mining & Mineral Processing; **Q2** (13/29) in Mineralogy; počet citací: 7
- Krátký, O.**, Rapprich, V., Racek, M., Míková, J., Magna, T. (2018): On the Chemical Composition and Possible Origin of Na-Cr-Rich Clinopyroxene in Silicocarbonatites from Samalpatti, Tamil Nadu, South India. *Minerals*, 8, 8, 355. doi: 10.3390/min8080355
WoS: IF₂₀₁₇: 1,835; **Q2** (13/29) in Mineralogy; **Q2** (7/20) in Mining & Mineral Processing; počet citací: 6
- Nejman, L., **Lisá, L.**, **Doláková, N.**, Horáček, I., Bajer, A., Novák, J., Wright, D., Sullivan, M., Wood, R., Gargett, R.H., Pacher, M., Sázelová, S., Nývltová Fišáková, M., Rohovec, J., Králík, M. (2018): Cave deposits as a sedimentary trap for the Marine Isotope Stage 3 environmental record: The case study of Pod Hradem, Czech Republic. *Palaeogeography Palaeoclimatology Palaeoecology*, 497, 201–217. doi: 10.1016/j.palaeo.2018.02.020
WoS: IF₂₀₁₇: 2,375; **Q2** (23/49) in Geography, Physical; **Q2** (71/190) in Geosciences, Multidisciplinary; **Q1** (5/56) in Paleontology; počet citací: 7
- Petřík, J.**, Prokeš, L., **Všíanský, D.**, Salaš, M., Nikolajev, P. (2018): Organization of ceramic production at a fortified Early Bronze Age settlement in Moravia (Czech Republic) inferred from minimally destructive archaeometry. *Archaeological and Anthropological Sciences*, 10, 3, 697–709. doi: 10.1007/s12520-016-0370-8
WoS: IF₂₀₁₇: 2,414; **Q2** (69/190) in Geosciences, Multidisciplinary; počet citací: 3
- Petřík, J.**, Sosna, D., Prokeš, L., Štefanisko, D., Galeta, P. (2018): Shape matters: assessing regional variation of Bell Beaker projectile points in Central Europe using geometric morphometrics. *Archaeological and Anthropological Sciences*, 10, 4, 893–904. doi: 10.1007/s12520-016-0423-7
WoS: IF₂₀₁₇: 5,414; **Q2** (69/190) in Geosciences, Multidisciplinary; počet citací: 13
- Plášil, J., Kampf, A.R., **Škoda, R.**, Čejka, J. (2018): Nollmotzite, Mg[U^V(U^{VI}O₂)₂O₄F₃] · 4H₂O, the first natural uranium oxide containing fluorine. *Acta Crystallographica Section B – Structural Science crystal Engineering and Materials*, B74, 362–369. doi: 10.1107/S2052520618007321
WoS: IF₂₀₁₇: 6,467; **Q1** (27/171) in Chemistry, Multidisciplinary; **Q1** (4/26) in Crystallography; počet citací: 7
- Pokorný, R., Edwards, K.J., **Krmíček, L.**, **Všíanský, D.**, Dáňová, P.V. (2018): Late Holocene soil processes and the first evidence for ferruginous rhizoconcretions in cool subpolar environments of the Faroe Islands. *Geografiska Annaler: Series A - Physical Geography*, 100, 3, 272–284. doi: 10.1080/0435367.2018.1463142
WoS: IF₂₀₁₇: 1,616; **Q3** (35/49) in Geography, Physical; **Q2** (17/47) in Geology; počet citací: 1
- Pokorný, R., Koutecký, V., Björck, S., **Krmíček, L.**, Árting, U.E., Štofík, M. (2018): Driftwood in the Eemian interglacial lacustrine unit from the Faroe Islands and its possible source areas: palaeobotanical and ichnological analysis. *Boreas*, 47, 4, 1230–1243. doi: 10.1111/bor.12332

WoS: IF₂₀₁₇: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 1

Říčka, A., Kuchovský, T., Damdindorj, B., Fűrých, V., Kopřiva, A., Puntsag, K. (2018): Identifying the flow pattern and natural recharge at a strategic groundwater resource in the Dornogobi Province, Mongolia. *Hydrological Sciences Journal*. doi: 10.1080/02626667.2018.1511053

WoS: IF₂₀₁₇: 2,061; Q2 (36/90) in Water Resources; počet citací: 0

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WoS: IF₂₀₁₇: 2,622; Q2 (61/190) in Geosciences, Multidisciplinary; počet citací: 7

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WoS: IF₂₀₁₆: 2,373; **Q1** (10/47) in Geology; počet citací: 9

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WoS: IF₂₀₁₅: 1,918; **Q2** (9/29) in Mineralogy; **Q2** (37/81) in Geochemistry & Geophysics; počet citací: 18

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WoS: IF₂₀₁₅: 2,135; Q2 (22/49) in Geography, Physical; Q2 (64/184) in Geosciences, Multidisciplinary; počet citací: 11

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WoS: IF₂₀₁₅: 2,813; Q1 (12/49) in Geography, Physical; Q1 (34/184) in Geosciences, Multidisciplinary; počet citací: 44

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2015 (celkem 21 článků, 7 studentů spoluautorů – červeně)

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WoS: IF₂₀₁₄: 1,964; **Q2** (9/28) in Mineralogy; **Q2** (37/79) in Geochemistry & Geophysics; počet citací: 35

Dill, H., **Škoda, R.** (2015): The new Nb-P aplite at Reinhardsrieth: A keystone in the lateral and depth zonations of the Hagendorf-Pleystein Pegmatite Field, SE Germany. *Ore Geology Reviews*, 70, 208–227. doi: 10.1016/j.oregeorev.2015.04.015

WoS: IF₂₀₁₄: 3,558; **Q1** (3/46) in Geology; **Q1** (4/28) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 4

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WoS: IF₂₀₁₄: 3,381; **Q1** (21/175) in Geosciences, Multidisciplinary; **Q2** (23/89) in Energy & Fuels; počet citací: 20

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WoS: IF₂₀₁₄: 1,448; **Q2** (19/46) in Geology; **Q2** (18/50) in Paleontology; počet citací: 21

Kallistová, A., Skála, R., Horáček, I., Nobuyoshi, M., **Malíková, R.** (2015): Influence of sample preparation on the microstructure of tooth enamel apatite. *Journal of Applied Crystallography*, 48, 3, 763–768. doi: 10.1107/S1600576715005208

WoS: IF₂₀₁₄: 3,984; **Q1** (3/23) in Crystallography; počet citací: 3

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WoS: IF₂₀₁₄: 1,627; **Q2** (85/175) in Geosciences, Multidisciplinary; počet citací: 44

Kocourková-Víšková, E., **Loun, J., Sracek, O.,** Houzar, S., Filip, J. (2015): Secondary arsenic minerals and arsenic mobility in a historical waste rock pile at Kaňk near Kutná Hora, Czech Republic. *Mineralogy and Petrology*, 109, 1, 17–33. doi: 10.1007/s00710-014-0356-0

WoS: IF₂₀₁₄: 1,349; **Q2** (14/28) in Mineralogy; **Q3** (47/79) in Geochemistry & Geophysics; počet citací: 13

Kotková, J., Janák, M. (2015): UHP kyanite eclogite associated with garnet peridotite and diamond-bearing granulite, northern Bohemian Massif. *Lithos*, 226, 255–264. doi: 10.1016/j.lithos.2015.01.016

WoS: IF₂₀₁₄: 4,482; **Q1** (2/28) in Mineralogy; **Q1** (6/79) in Geochemistry & Geophysics; počet citací: 23

Kumpan, T., Bábek, O., Kalvoda, J., Matys Grygar, T., Frýda, J., Becker, T.R., Hartenfels, S. (2015): Petrophysical and geochemical signature of the Hangenberg Events: an integrated stratigraphy of the Devonian-Carboniferous boundary interval in the Northern Rhenish Massif (Avalonia, Germany). *Bulletin of Geosciences*, 90, 3, 667–694. doi: 10.3140/bull.geosci.1547

WoS: IF₂₀₁₄: 1,515; **Q3** (95/175) in Geosciences, Multidisciplinary; **Q2** (13/50) in Paleontology; počet citací: 30

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WoS: IF₂₀₁₄: 1,656; **Q2** (81/175) in Geosciences, Multidisciplinary; počet citací: 21

Medaris, L.G., Ackerman, L., Jelínek, E., Michels, Z.D., Erban, V., **Kotková, J.** (2015): Depletion, cryptic metasomatism, and modal metasomatism (refertilization) of Variscan lithospheric mantle: Evidence from major elements, trace elements, and Sr-Nd-Os isotopes in a Saxothuringian garnet peridotite. *Lithos*, 226, 81–97. doi: 10.1016/j.lithos.2014.10.007

WoS: IF₂₀₁₄: 4,482; **Q1** (2/28) in Mineralogy; **Q1** (6/79) in Geochemistry & Geophysics; počet citací: 26

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WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 13

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WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 6

Radaideh, O.M.A., **Melichar, R.** (2015): Tectonic Paleostress fields in the southwestern part of Jordan: New insights from the fault-slip data in the southeastern flank of the Dead Sea Fault Zone. *Tectonics*, 34, 9, 1863–1891. doi: 10.1002/2015TC003919

WoS: IF₂₀₁₄: 3,318; **Q1** (14/79) in Geochemistry & Geophysics; počet citací: 7

Suchý, V., Sandler, A., **Slobodník, M.**, Sýkorová, I., Filip, J., Melka, K., Zeman, A. (2015): Diagenesis to very low-grade metamorphism in Lower Palaeozoic sediments: a case study from deep borehole Tobolka 1, the Barrandian Basin, Czech Republic. *International Journal of Coal Geology*, 140, 41–62. doi: 10.1016/j.coal.2014.12.015

WoS: IF₂₀₁₄: 3,381; **Q1** (21/175) in Geosciences, Multidisciplinary; **Q2** (23/89) in Energy & Fuels; počet citací: 12

Svoboda, J., **Hladilová, Š.**, Horáček, I., Kaiser, J., Králík, M., Novák, J., Novák, M., Pokorný, P., Sázelová S., Smolíková, L., Zikmund, T. (2015): Dolní Věstonice IIa: Gravettian microstratigraphy, environment, and the origin of baked clay production in Moravia. *Quaternary International*, 359, 195–210. doi: 10.1016/j.quaint.2014.06.048

WoS: IF₂₀₁₄: 2,062; **Q3** (24/46) in Geography, Physical; **Q2** (63/175) in Geosciences, Multidisciplinary; počet citací: 23

Šimíček, D., **Bábek, O.** (2015): Spectral gamma-ray logging of the Grés d'Annot, SE France: An outcrop analogue to geophysical facies mapping and well-log correlation of sand-rich turbidite reservoirs. *Marine and Petroleum Geology*, 60, 1–17. doi: 10.1016/j.marpetgeo.2014.10.010

WoS: IF₂₀₁₄: 2,639; **Q1** (40/175) in Geosciences, Multidisciplinary; počet citací: 23

Škoda, R., Plášil, J., Jonsson, E., **Čopjaková, R.** (2015): Redefinition of thalénite-(Y) and discreditation of fluorthalénite-(Y): A re-investigation of type material from the Österby pegmatite, Dalarna, Sweden, and from addition localities. *Mineralogical Magazine*, 79, 4, 965–983. doi: 10.1180/minmag.2015.079.4.07

WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 18

Vašinová Galiová, M., Štěpánková, K., **Čopjaková, R.**, Kuta, J., Prokeš, L., Kynický, J., Kanický, V. (2015): Preparation and testing of phosphate, oxalate and uric acid matrix-matched standards for accurate quantification of 2D elemental distribution in kidney stone sections using 213 nm nanosecond laser ablation inductively coupled plasma mass spectrometry. *Journal of Analytical Atomic Spectrometry*, 30, 6, 1356–1368. doi: 10.1039/c4ja00347k

WoS: IF₂₀₁₄: 3,466; **Q1** (6/44) in Spectroscopy; **Q1** (12/74) in Chemistry, Analytical; počet citací: 6

Xie, L., Wang, R.-C., Groat, L.A., Zhu, J.-C., Huang, F.-F., **Cempírek, J.** (2015): A combined EMPA and LA-ICP-MS study of Li-bearing mica and Sn-Ti oxide minerals from the Qiguling topaz rhyolite (Qitianling District, China): The role of fluorine in origin of tin mineralization. *Ore Geology Reviews*, 65, 4, 779–792. doi: 10.1016/j.oregeorev.2014.08.013

WoS: IF₂₀₁₄: 3,558; **Q1** (3/46) in Geology; **Q1** (4/28) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 42

2014 (celkem 23 článků, 6 studentů spoluautorů – červeně)

Boháč, M., Palou, M., Novotný, R., Masilko, J., **Všianský, D.**, Staněk, T. (2014): Investigation on early hydration of ternary Portland cement-blast-furnace slag-metakaolin blends. *Construction and Building Materials*, 64, 333–341. doi: 10.1016/j.conbuildmat.2014.04.018

WoS: IF₂₀₁₃: 2,265; **Q1** (12/124) in Engineering, Civil; **Q1** (62/251) in Materials Science, Multidisciplinary; **Q1** (7/58) in Construction & Building Technology; počet citací: 88

Breiter, K., Ackerman, L., Ďurišová, J., Svojtka, M., **Novák, M.** (2014): Trace element composition of quartz from different types of pegmatites: A case study from the Moldanubian Zone of the Bohemian Massif (Czech Republic). *Mineralogical Magazine*, 78, 3, 703–722. doi: 10.1180/minmag.2014.078.3.17

WoS: IF₂₀₁₃: 1,898; **Q2** (9/27) in Mineralogy; počet citací: 37

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WoS: IF₂₀₁₃: 2,129; **Q2** (19/44) in Spectroscopy; počet citací: 4

Dolníček, Z., Lehotský, T., **Slobodník, M.**, Hejtmánková, E., Grígelová, A., Zapletal, J. (2014): Mineral-forming and diagenetic processes related to Tertiary hydrocarbon seepage at the Bohemian Massif/Outer Western Carpathians interface: Evidence from the Habrůvka quarry, Moravia, Czech Republic. *Marine and Petroleum Geology*, 52, 77–92. doi: 10.1016/j.marpetgeo.2014.02.003

WoS: IF₂₀₁₃: 2,469; **Q2** (48/174) in Geosciences, Multidisciplinary; počet citací: 3

Geršlová, E., Schwarzbauer, J. (2014): Hydrocarbon-based indicators for characterizing potential sources of coal-derived pollution in the vicinity of the Ostrava City. *Environmental Earth Sciences*, 71, 7, 3211–3222. doi: 10.1007/s12665-013-2709-0

WoS: IF₂₀₁₃: 1,572; **Q3** (113/216) in Environmental Sciences; **Q2** (80/174) in Geosciences, Multidisciplinary; **Q2** (33/81) in Water Resources; počet citací: 8

Ghinassi, M., Nemeč, W., Aldinucci, M., **Nehyba, S.**, Özaksoy, V., Fidolini, F. (2014): Plan-form evolution of ancient meandering rivers reconstructed from longitudinal outcrop sections. *Sedimentology*, 61, 4, 952–977. doi: 10.1111/sed.12081

WoS: IF₂₀₁₃: 2,741; **Q1** (4/44) in Geology; počet citací: 71

Hönig, S., Čopjaková, R., Škoda, R., **Novák, M.**, Dolejš, D., **Leichmann, J.**, Vašinová Galiová, M. (2014): Garnet as a major carrier of the Y and REE in the granitic rocks: An example from the layered anorogenic granite in the Brno Batholith, Czech Republic. *American Mineralogist*, 99, 10, 1922–1941. doi: 10.2138/am-2014-4728

WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 31

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WoS: IF₂₀₁₃: 2,800; **Q1** (32/174) in Geosciences, Multidisciplinary; počet citací: 2

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WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 19

Kumpan, T., **Bábek, O.**, **Kalvoda, J.**, Matys Grygar, T., Frýda, J. (2014): Sea-level and environmental changes around the Devonian–Carboniferous boundary in the Namur–Dinant Basin (S Belgium, NE France): A multiproxy stratigraphic analysis of carbonate ramp archives and its use in regional and interregional correlations. *Sedimentary Geology*, 311, 43–59. doi: 10.1016/j.sedge.2014.06.007

WoS: IF₂₀₁₃: 2,134; **Q1** (11/44) in Geology; počet citací: 50

Kumpan, T., **Bábek, O.**, **Kalvoda, J.**, Frýda, J., Matys Grygar, T. (2014): A high-resolution, multiproxy stratigraphic analysis of the Devonian–Carboniferous boundary sections in the Moravian Karst (Czech Republic)

and a correlation with the Carnic Alps (Austria). *Geological Magazine*, 151, 2, 201–215. doi: 10.1017/S0016756812001057

WoS: IF₂₀₁₃: 2,177; **Q2** (55/174) in Geosciences, Multidisciplinary; počet citací: 52

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WoS: IF₂₀₁₃: 2,128; **Q3** (24/46) in Geography, Physical; **Q2** (58/174) in Geosciences, Multidisciplinary; počet citací: 5

Majzlan, J., Plášil, J., **Škoda, R.**, Gescher, J., Kogler, F., Rusznyak, A., Kusel, K., Neu, T.R., Mangold, S., Rothe, J. (2014): Arsenic-rich acid mine water with extreme arsenic concentration: mineralogy, geochemistry, microbiology, and environmental implications. *Environmental Science and Technology*, 48, 23, 13685–13693. doi: 10.1021/es5024916

WoS: IF₂₀₁₃: 5,481; **Q1** (8/216) in Environmental Sciences; **Q1** (2/46) in Engineering, Environmental; počet citací: 46

Plášil, J., Sejkora, J., **Škoda, R.**, **Novák, M.**, Kasatkin, A.V., Škacha, P., Veselovský, F., Fejfarová, K., Ondruš, P. (2014): Hloušekite, (Ni,Co)Cu₄(AsO₄)₂(AsO₃OH)₂(H₂O)₉, a new member of the lindackerite supergroup from Jáchymov, Czech Republic. *Mineralogical Magazine*, 78, 5, 1341–1353. doi: 10.1180/minmag.2014.078.5.16

WoS: IF₂₀₁₃: 1,898; **Q2** (9/27) in Mineralogy; počet citací: 9

Plášil, J., **Škoda, R.**, Fejfarová, K., Čejka, J., Kasatkin, A.V., Dušek, M., Talla, D., Lapčák, L., Machovic, V., Dini, M. (2014): Hydroniumjarosite, (H₃O)⁺Fe₃(SO₄)₂(OH)₆, from Cerros Pintados, Chile: Single-crystal X-ray diffraction and vibrational spectroscopic study. *Mineralogical Magazine*, 78, 3, 535–547. doi: 10.1180/minmag.2014.078.3.04

WoS: IF₂₀₁₃: 1,898; **Q2** (9/27) in Mineralogy; počet citací: 14

Plášil, J., Kasatkin, A.V., **Škoda, R.**, Škacha, P. (2014): Klajite, MnCu₄(AsO₄)₂(AsO₃OH)₂(H₂O)₁₀, from Jáchymov (Czech Republic): the second world occurrence. *Mineralogical Magazine*, 78, 1, 119–129. doi: 10.1180/minmag.2014.078.1.09

WoS: IF₂₀₁₃: 1,898; **Q2** (9/27) in Mineralogy; počet citací: 3

Plášil, J., Veselovský, F., Hloušek, J., **Škoda, R.**, **Novák, M.**, Sejkora, J., Čejka, J., Škacha, P., Kasatkin, A.V. (2014): Mathesiusite, K₅(UO₂)₄(SO₄)₄(VO₅)(H₂O)₄, a new uranyl vanadate-sulfate from Jáchymov, Czech Republic. *American Mineralogist*, 99, 4, 625–632. doi: 10.2138/am.2014.4681

WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 25

Ramírez-Herrera, M.T., Corona, N., Lagos, M., **Černý, J.**, Goguitchaichvili, A., Goff, J., Chagué-Goff, C., Machain, M.L., Zawadzki, A., Jacobsen, G., Carranza-Edwards, A., Lozano, S., Blecher, L. (2014): Unearthing earthquakes and their tsunamis using multiple proxies: the 22 June 1932 event and a probable fourteenth-century predecessor on the Pacific coast of Mexico. *International Geology Review*, 56, 13, 1584–1601. doi: 10.1080/00206814-2014.951977

WoS: IF₂₀₁₃: 2,628; **Q1** (6/44) in Geology; počet citací: 15

Vašinová Galiová, M., **Čopjaková, R.**, **Škoda, R.**, Štěpánková, K., Vaňková, M., Kuta, J., Prokeš, L., Kynický, J., Kanický, V. (2014): 2D elemental mapping of sections of human kidney stones using ablation inductively-coupled plasma-mass spectrometry: Possibilities and limitations. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 100, 105–115. doi: 10.1016/j.sab.2014.08.024

WoS: IF₂₀₁₃: 3,150; **Q1** (8/44) in Spectroscopy; počet citací: 12

Vítková, G., Prokeš, L., Novotný, K., Pořízka, P., Novotný, J., **Všianský, D.**, Čelko, L., Kaiser, J. (2014): Comparative study on fast classification of brick samples by combination of principal component analysis and linear discriminant analysis using stand-off and table-top laser induced breakdown spectroscopy. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 101, 191–199. doi: 10.1016/j.sab.2014.08.036

WoS: IF₂₀₁₃: 3,150; **Q1** (8/44) in Spectroscopy; počet citací: 44

Všianský, D., Kolář, J., **Petřík, J.** (2014): Continuity and changes of manufacturing traditions of Bell Beaker and Bronze Age encrusted pottery in the Morava river catchment (Czech Republic). *Journal of Archaeological Science*, 49, 414–422. doi: 10.1016/j.jas.2014.05.028

WoS: IF₂₀₁₃: 2,139; Q2 (56/174) in Geosciences, Multidisciplinary; počet citací: 14

Wright, D., Nejman, L., d'Errico, F., Králík, M., Wood, R., **Ivanov, M., Hladilová, Š.** (2014): An Early Upper Palaeolithic decorated bone tubular rod from Pod Hradem Cave, Czech Republic. *Antiquity*, 88, 339, 30–46. doi: 10.1017/S0003598X00050201

WoS: IF₂₀₁₃: 1,594; Q1 (16/82) in Anthropology; počet citací: 15

Zachariáš, J., Morávek, P., **Gadas, P.**, Pertoldová, J. (2014): The Mokrsko-West gold deposit, Bohemian Massif, Czech Republic: Mineralogy, deposit setting and classification. *Ore Geology Reviews*, 58, 238–263. doi: 10.1016/j.oregeorev.2013.11.005

WoS: IF₂₀₁₃: 3,383; Q1 (3/44) in Geology; Q1 (4/27) in Mineralogy; Q1 (1/21) in Mining & Mineral Processing; počet citací: 39

2013 (celkem 27 článků, 12 studentů spoluautorů – červeně)

Bábek, O., Kalvoda, J., Cossey, P., **Šimíček, D.**, Devuyst, F., Hargreaves, S. (2013): Facies and petrophysical signature of the Tournaisian/Viséan (Lower Carboniferous) sea-level cycle in carbonate ramp to basinal settings of the Wales-Brabant massif, British Isles. *Sedimentary Geology*, 284-285, 1, 197–213. doi: 10.1016/j.sedgeo.2012.12.008

WoS: IF₂₀₁₂: 1,802; Q1 (11/47) in Geology; počet citací: 38

Bačík, P., Cempírek, J., Uher, P., **Novák, M.**, Ozdín, D., Filip, J., **Škoda, R., Breiter, K.**, Klementová, M., Ďud'a, R., Groat, L. (2013): Oxy-schorl, Na(Fe²⁺Al)Al₆Si₆O₁₈(BO₃)₃(OH)₃O, a new mineral from Zlatá Idka, Slovak Republic and Příbyslavice, Czech Republic. *American Mineralogist*, 98, 485–492. doi: 10.2138/am.2013.4293

WoS: IF₂₀₁₂: 2,204; Q2 (7/26) in Mineralogy; Q2 (25/76) in Geochemistry & Geophysics; počet citací: 35

Baroň, I., **Kernstocková, M.**, Faridi, M., Bubík, M., Milovský, R., **Melichar, R.**, Sabouri, J., Babůrek, J. (2013): Paleostress analysis of a gigantic gravitational mass movement in active tectonic setting: The Qoshadagh slope failure, Ahar, NW Iran. *Tectonophysics*, 605, 70–87. doi: 10.1016/j.tecto.2013.07.020

WoS: IF₂₀₁₂: 2,684; Q2 (20/76) in Geochemistry & Geophysics; počet citací: 27

Faměra, M., Bábek, O., Matys Grygar, T., Nováková, T. (2013): Distribution of heavy-metal contamination in regulated river-channel deposits: a magnetic susceptibility and grain-size approach; River Morava, Czech Republic. *Water, Air and Soil Pollution*, 224, 5, nestránkováno. doi: 10.1007/s11270.013-1525-1

WoS: IF₂₀₁₂: 1,748; Q3 (106/210) in Environmental Sciences; Q2 (37/74) in Meteorology & Atmospheric Sciences; Q2 (27/80) in Water Resources; počet citací: 24

Fejfarová, K., Dušek, M., Plášil, J., Čejka, J., Sejkora, J., **Škoda, R.** (2013): Reinvestigation of the crystal structure of kasolite, Pb[(UO₂)(SiO₄)](H₂O), an important alteration product of uraninite, UO_{2+x}. *Journal of Nuclear Materials*, 434, 1-3, 461–467. doi: 10.1016/j.jnucmat.2010.11.064

WoS: IF₂₀₁₂: 1,211; Q3 (125/241) in Materials Science, Multidisciplinary; Q2 (9/34) in Nuclear Science & Technology; Q1 (4/20) in Mining & Mineral Processing; počet citací: 12

Gadas, P., Novák, M., Talla, D., Vašinová Galiová, M. (2013): Compositional evolution of grossular garnet from leucotonalitic pegmatite at Ruda nad Moravou, Czech Republic; a complex EMPA, LA-ICP-MS, IR and CL study. *Mineralogy and Petrology*, 107, 2, 311–326. doi: 10.1007/s00710-012-0232-8

WoS: IF₂₀₁₂: 1,681; Q2 (9/26) in Mineralogy; Q2 (34/76) in Geochemistry & Geophysics; počet citací: 16

Hanuláková, D., Zeman, J., Vašíček, R., Příkryl, R., **Kuchovský, T.** (2013): Determination of pore water composition during long term interaction of bentonite substrates with water media: Comparative study. *Applied Clay Science*, 80-81, 69–75. doi: 10.1016/j.clay.2013.06.006

WoS: IF₂₀₁₂: 2,342; Q2 (52/241) in Materials Science, Multidisciplinary; Q1 (5/26) in Mineralogy; Q2 (59/135) in Chemistry, Physical; počet citací: 6

Henry, D.J., **Novák, M.**, Hawthorne, F.C., Ertl, A., Dutrow, B.L., Uher, P., Pezzotta, F. (2013): Nomenclature of the tourmaline-supergroup minerals (vol 96, pg 895, 2011). *American Mineralogist*, 98, 2-3, 524. doi: 10.2138/am.2013.614

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 13

Kubát, V., **Losos, Z.**, Trávníček, Z., Novosad, J. (2013): A new synthetic route for the preparation of metal tellurides. *Inorganic Chemistry Communications*, 38, 8–10. doi: 10.1016/j.inoche.2013.10.003

WoS: IF₂₀₁₂: 2,016; **Q2** (16/44) in Chemistry, Inorganic & Nuclear; počet citací: 2

Kuta, J., Machát, J., Benová, D., Červenka, R., **Zeman, J.**, Martinec, P. (2013): Association of minor and trace elements with mineralogical constituents of urinary stones: A hard nut to crack in existing studies of urolithiasis. *Environmental Geochemistry and Health*, 35, 4, 511–522. doi: 10.1007/s10653-013-9511-5

WoS: IF₂₀₁₂: 2,076; **Q2** (85/210) in Environmental Sciences; **Q2** (55/161) in Public, Environmental & Occupational Health; **Q1** (18/80) in Water Resources; **Q2** (17/42) in Engineering, Environmental; počet citací: 22

Lenz, Ch., **Talla, D.**, Ruschel, K., **Škoda, R.**, Goetze, J., Nasdala, L. (2013): Factors affecting the Nd³⁺ (REE³⁺) luminescence of minerals. *Mineralogy and Petrology*, 107, 3, 415–428. doi: 10.1007/s00710-013-0286-2

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 41

Nejman, L., Wright, D., **Lisá, L.**, **Doláková, N.**, Horáček, I., Novák, J., Wood, R., Pacher, M., Sázellová, S., Holub, M., **Přichystal, A.**, Nývltová Fisáková, M., Bajer, A. (2013): Hominids and palaeoenvironments in the Moravian Karst during Marine Isotope Stage 3: new excavations in Pod Hradem Cave, Czech Republic. *Antiquity*, 87, 337. doi: neuvedeno

WoS: IF₂₀₁₂: 1,439; **Q2** (24/83) in Anthropology; počet citací: 2

Novák, M., Ertl, A., Povondra, P., Vašinová Galiová, M., Rossman, G.R., Pristacz, H., Prem, M., Giester, G., **Gadas, P.**, **Škoda, R.** (2013): Darrellhenryite, Na(LiAl₂)Al₆(BO₃)₃Si₆O₁₈(OH)₃O, a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886–1892. doi: 10.2138/am.2013.4416

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 20

Ondruš, P., Skála, R., Plášil, J., Sejkora, J., Veselovský, F., Čejka, J., Kallistova, A., Hloušek, J., Fejfarová, K., **Škoda, R.**, Dušek, M., Gabašová, A., Machovič, V., Lapčák, L. (2013): Svenekite, Ca[AsO₂(OH)₂]₂, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 2013, 77, 6, 2711–2724. doi: 10.1180/minmag.2013.077.6.02

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 4

Pánek, T., Smolková, V., Hradecký, J., **Sedláček, J.**, Zernitskaya, V., Kadlec, J., Pazdur, A., Řehánek, T. (2013): Late-Holocene evolution of a floodplain impounded by the Smrduta landslide, Carpathian Mountains (Czech Republic). *Holocene*, 23, 2, 218–229. doi: 10.1177/0959683612455539

WoS: IF₂₀₁₂: 3,218; **Q1** (8/45) in Geography, Physical; **Q1** (22/172) in Geosciences, Multidisciplinary; počet citací: 13

Plášil J., Fejfarová, K., Dušek, M., **Škoda, R.**, Rohlíček, J. (2013): Revision of the symmetry and the crystal structure of čejkaite, Na₄(UO₂)(CO₃)₃. *American Mineralogist*, 2013, 98, 4, 549–553. doi: 10.2138/am.2013.4331

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 8

Plášil, J., Fejfarová, K., Čejka, J., Dušek, M., **Škoda, R.**, Sejkora, J. (2013): Revision of the crystal structure and chemical formula of haiweeite, Ca(UO₂)₂(Si₅O₁₂)(OH)₂ · 6H₂O. *American Mineralogist* 98, 4, 718–723. doi: 10.2138/am.2013.4284

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 16

Plášil, J., Fejfarová, K., **Škoda, R.**, Dušek, M., Marty, J., Čejka, J. (2013): The crystal structure of magnesiozippeite, Mg[(UO₂)₂O₂(SO₄)](H₂O)_{3.5}, from East Saddle Mine, San Juan County, Utah (USA). *Mineralogy and Petrology*, 107, 2, 211–219. doi: 10.1007/s00710-012-0241-7

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 15

Plášil, J., Fejfarová, K., Hloušek, J., **Škoda, R.**, **Novák, M.**, Sejkora, J., Čejka, J., Dušek M., Veselovský, F., Ondruš, P., Majzlan, J., Mrázek Z. (2013): Štěpíte, U(AsO₃OH)₂ · 4H₂O, from Jáchymov, Czech Republic: the first natural arsenate of tetravalent uranium. *Mineralogical Magazine*, 77, 1, 137–152. doi: 10.1180/minmag.2013.077.1.12

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 12

Plášil, J., Hloušek, J., Škoda, R., Novák, M., Sejkora, J., Čejka, J., Veselovský, F., Majzlan, J. (2013): Vysokýite, $U^{4+}[AsO_2(OH)_2]_4 \cdot 4H_2O$, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 77, 8, 3055–3066. doi: 10.1180/minmag.2013.077.8.01

WoS: IF₂₀₁₂: 2,212; Q1 (6/26) in Mineralogy; počet citací: 7

Plášil, J., Kampf, A., Kasatkin, A.V., Marty, J., Škoda, R., Silva, S., Čejka, J. (2013): Meisserite, $Na_5(UO_2)(SO_4)_3(SO_3OH)(H_2O)$, a new uranyl sulfate mineral from the Blue Lizard mine, San Juan County, Utah, USA. *Mineralogical Magazine*, 77, 7, 2975–2988. doi: 10.1180/minmag.2013.077.7.07

WoS: IF₂₀₁₂: 2,212; Q1 (6/26) in Mineralogy; počet citací: 31

Plášil, J., Kasatkin, A.V., Škoda, R., Novák, M., Kallistová, A., Dušek, M., Skála, R., Fejfarová, K., Čejka, J., Meisser, N., Goethals, H., Machovič, V., Lapčák, L. (2013): Leydetite, $Fe(UO_2)(SO_4)_2(H_2O)_{11}$, a new uranyl sulfate mineral from Mas d'Alary, Lodeve, France. *Mineralogical Magazine*, 77, 4, 429–441. doi: 10.1180/minmag.2013.077.4.03

WoS: IF₂₀₁₂: 2,212; Q1 (6/26) in Mineralogy; počet citací: 20

Sedláček, J., Bábek, O., Matys Grygar, T. (2013): Trends and evolution of contamination in a well-dated water reservoir sedimentary archive: the Brno Dam, Moravia, Czech Republic. *Environmental Earth Sciences*, 69, 8, 2581–2593. doi: 10.1007/s12665-012-2089-x

WoS: IF₂₀₁₂: 1,445; Q3 (120/210) in Environmental Sciences; Q2 (86/172) in Geosciences, Multidisciplinary; Q2 (35/80) Water Resources; počet citací: 21

Talla, D., Wildner, M., Beran, A., Škoda, R., Losos, Z. (2013): On the presence of hydrous defects in differently coloured wulfenites ($PbMoO_4$): an infrared and optical spectroscopic study. *Physics and Chemistry of Minerals*, 40, 757–769. doi: 10.1007/s00269-013-0610-8

WoS: IF₂₀₁₂: 1,304; Q2 (113/241) in Materials Science, Multidisciplinary; Q2 (11/26) in Mineralogy; počet citací: 4

Vašinová Galiová, M., Nývltová Fišáková, M., Kynický, J., Prokeš, L., Neff, H., Mason, A.Z., Gadas, P., Košler, J., Kanický, V. (2013): Elemental mapping in fossil tooth root section of *Ursus arctos* by laser ablation inductively coupled plasma mass spectrometry (LA-ICP-MS). *Talanta*, 105, 235–243. doi: 10.1016/j.talanta.2012.12.037

WoS: IF₂₀₁₂: 3,498; Q1 (12/75) in Chemistry, Analytical; počet citací: 26

Vlačičky, M., Michalík, T., Nývltová Fišáková, M., Nývlt, D., Moravcová M., Králík, M., Kovanda, J., Péková, K., Přichystal, A., Dohnalová, A. (2013): Gravettian occupation of the Beckov Gate in Western Slovakia as viewed from the interdisciplinary research of the Trenčianske Bohuslavice-Pod Tureckom site. *Quaternary International*, 294, 41–60. doi: 10.1016/j.quaint.2011.09.004

WoS: IF₂₀₁₂: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 19

Wiśniewski, A., Adamiec, G., Badura, J., Bluszcz, A., Kowalska, A., Kufel-Diakowska, B., Mikołajczyk, A., Murczkiewicz, M., Musil, R., Przybylski, B., Skrzypek, G., Stefaniak, K., Zych, J. (2013): Occupation dynamics north of the Carpathians and Sudetes during the Weichselian (MIS5d-3): The Lower Silesia (SW Poland) case study. *Quaternary International* 294, 20–40. doi: 10.1016/j.quaint.2011.09.016

WoS: IF₂₀₁₂: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 32

2012 (celkem 19 článků, 10 studentů spoluautorů – červeně)

Breiter, K., Svojtka, M., Ackerman, L., Švecová, K. (2012): Trace element composition of quartz from the Variscan Teplice caldera (Krušné hory/Erzgebirge Mts., Czech Republic/Germany): Insights into the volcano-plutonic complex evolution. *Chemical Geology*, 326-327, 36–50. doi: 10.1016/j.chemgeo.2012.07.028

WoS: IF₂₀₁₁: 3,518; Q1 (7/76) in Geochemistry & Geophysics; počet citací: 61

Černý, P., London, D., Novák, M. (2012): Granitic pegmatites as reflections of their sources. *Elements*, 8, 289–294. doi: 10.2113/gselements.8.4.289

WoS: IF₂₀₁₁: 2,423; Q1 (5/26) in Mineralogy; Q2 (21/176) in Geochemistry & Geophysics; počet citací: 205

- Faimon, J., Troppová, D., Baldík, V.,** Novotný, R. (2012): Air circulation and its impact on microclimatic variables in the Císařská Cave (Moravian Karst, Czech Republic). *International Journal of Climatology*, 32, 599–623. doi: 10.1002/joc.2298
WoS: IF₂₀₁₁: 2,906; **Q1** (17/71) in Meteorology & Atmospheric Sciences; počet citací: 63
- Faimon, J.,** Ličbinská, M., Zajíček, P. (2012): Relationship between carbon dioxide in Balcarka Cave and adjacent soils in the Moravian Karst region of the Czech Republic. *International Journal of Speleology*, 41, 1, 17–28. doi: 10.5038/1827-806X.41.1.3
WoS: IF₂₀₁₁: 2,000; **Q2** (48/170) in Geosciences, Multidisciplinary; počet citací: 32
- Fejfarová, K., **Plášil, J.,** Yang, H., Čejka, J., Dušek, M., Downs, R.T., Barkley, M.C., **Škoda, R.** (2012): Revision of the crystal structure and chemical formula of weeksite, $K_2(UO_2)_2(Si_5O_{13}) \cdot 4H_2O$. *American Mineralogist*, 97, 750–754. doi: 10.2138/am.2012.4025
WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 8
- Filip, J., Bosi, F., **Novák, M.,** Skogby, H., Tuček, J., Čuda, J., Wildner, M. (2012): Iron redox reactions in the tourmaline structure: High-temperature treatment of Fe³⁺-rich schorl. *Geochimica et Cosmochimica Acta*, 86, 239–256. doi: 10.1016/j.gca.2012.02.031
WoS: IF₂₀₁₁: 4,259; **Q1** (3/76) in Geochemistry & Geophysics; počet citací: 60
- Kalvoda, J., Bábek, O.,** Aretz, M., Cossey, P., Devuyt, F.X., Hargreaves, S., Nudds, J. (2012): High resolution biostratigraphy of the Tournaisian-Viséan boundary interval in the North Staffordshire Basin and correlation with the South Wales-Mendip Shelf. *Bulletin of Geosciences*, 87, 3, 497–541. doi: 10.3140/bull.geosci.1338
WoS: IF₂₀₁₁: 1,099; **Q3** (102/170) in Geosciences, Multidisciplinary; **Q2** (24/49) in Paleontology; počet citací: 4
- Majzlan, J., Drahota, P., Filippi, M., Grevel, K.-D., Kahl, W.-A., **Plášil, J.,** Boerio-Goates, J., Woodfield, B.F. (2012): Thermodynamic properties of scorodite and parascorodite ($FeAsO_4 \cdot 2H_2O$), kaňkite ($FeAsO_4 \cdot 3.5H_2O$), and $FeAsO_4$. *Hydrometallurgy*, 117-118, 47–56. doi: 10.1016/j.hydromet.2012.02.002
WoS: IF₂₀₁₁: 2,027; **Q1** (5/75) in Metallurgy & Metallurgical Engineering; počet citací: 62
- Matys Grygar, T., **Sedláček, J., Bábek, O.,** Nováková, T., Strnad, L., Mihaljevič, M. (2012): Regional contamination of Moravia (South-Eastern Czech Republic): Temporal shift of Pb and Zn loading in fluvial sediments. *Water Air and Soil Pollution* 223, 2, 739–753. doi: 10.1007/s11270-011-0898-2
WoS: IF₂₀₁₁: 1,625; **Q2** (101/205) in Environmental Sciences; **Q3** (37/71) in Meteorology & Atmospheric Sciences; **Q2** (24/78) in Water Resources; počet citací: 35
- Nerudová, Z., Neruda, P., **Přichystal, A.** (2012): A unique raw material from Early Upper Palaeolithic layers in the Pod hradem Cave (Moravian Karst, Czech Republic) – interpretative problems. *Anthropologie*, 50, 4, 463–474. doi: neuvedeno
WoS: IF₂₀₁₁: 0,690; **Q2** (35/81) in Anthropology; počet citací: 1
- Plášil, J.,** Fejfarová, K., Skála, R., **Škoda, R.,** Meisser, N., Hloušek, J., Císařová, I., Dušek, M., Veselovský, F., Čejka, J., Sejkora, J., Ondruš, P. (2012): The crystal chemistry of the uranyl carbonate mineral grimselite, $(K,Na)_3Na[(UO_2)(CO_3)_3](H_2O)$, from Jáchymov, Czech Republic. *Mineralogical Magazine*, 76, 446–453. doi: 10.1180/minmag.2012.076.3.01
WoS: IF₂₀₁₁: 1,321; **Q2** (12/26) in Mineralogy; počet citací: 6
- Plášil, J.,** Fejfarová, K., Wallwork, K.S., Dušek, M., **Škoda, R.,** Sejkora, J., Čejka, J., Veselovský, F., Hloušek, J., Meisser, N., Brugger, J. (2012): Crystal structure of pseudojohannite, with a revised formula, $Cu_3(OH)_2[(UO_2)_4O_4(SO_4)_2](H_2O)_{12}$. *American Mineralogist*, 97, 1796–1803. doi: 10.2138/am.2012.4127
WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 21
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WoS: IF₂₀₁₁: 1,321; **Q2** (12/26) in Mineralogy; počet citací: 22

Plášil, J., Hloušek, J., Veselovský, F., Fejfarová, K., Dušek, M., **Škoda, R.**, **Novák, M.**, Čejka, J., Ondruš, P. (2012): Adolfpaterait, $K[(UO_2)(SO_4)(OH)(H_2O)]$, a new uranyl sulphate mineral from Jáchymov, Czech Republic. *American Mineralogist*, 97, 2-3, 447–454. doi: 10.2138/am.2012.3976
WoS: IF₂₀₁₁: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 31

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WoS: IF₂₀₁₁: 0,690; Q2 (35/81) in Anthropology; počet citací: 0

Šimíček, D., **Bábek, O.**, **Leichmann, J.** (2012): Outcrop gamma-ray logging of siliciclastic turbidites: Separating the detrital provenance signal from facies in the foreland-basin turbidites of the Moravo-Silesian basin, Czech Republic. *Sedimentary Geology*, 261, 50–64. doi: 10.1016/j.sedgeo.2012.03.003
WoS: IF₂₀₁₁: 1,537; Q2 (13/47) in Geology; počet citací: 30

Škoda, R., Cempírek, J., Filip, J., **Novák, M.**, Veselovský, F., Čtvrtlík, R. (2012): Allanite-(Nd), $CaNdAl_2Fe^{2+}(SiO_4)(Si_2O_7)O(OH)$, a new mineral from Åskagen, Sweden. *American Mineralogist*, 97, 5-6, 983–988. doi: 10.2138/am.2012.3936
WoS: IF₂₀₁₁: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 16

Šťastná, A., Sachlová, S., Pertold, Z., Příkryl, R., **Leichmann, J.** (2012): Cathodoluminescence microscopy and petrographic image analysis of aggregates in concrete pavements affected by alkali-silica reaction. *Materials Characterization*, 65, 115–125. doi: 10.1016/j.matchar.2012.01.008
WoS: IF₂₀₁₁: 1,572; Q1 (3/32) in Materials Science, Characterization & Testing; počet citací: 9

2011 (celkem 13 článků, 9 studentů spoluautorů – červeně)

Bábek, O., **Faměra, M.**, Hilscherová, K., **Kalvoda, J.**, Dobrovolný, P., **Sedláček, J.**, Machát, J., Holoubek, I. (2011): Geochemical traces of flood layers in the fluvial sedimentary archive; implications for contamination history analyses. *Catena*, 87, 2, 281–290. doi: 10.1016/j.catena.2011.06.014
WoS: IF₂₀₁₀: 1,893; Q2 (12/32) in Soil Science; Q1 (13/76) in Water Resources; Q2 (55/167) in Geosciences, Multidisciplinary; počet citací: 47

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WoS: IF₂₀₁₀: 4,567; Q1 (2/42) in Geography, Physical; Q1 (6/167) in Geosciences, Multidisciplinary; počet citací: 38

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WoS: IF₂₀₁₀: 3,121; Q1 (3/27) in Mineralogy; Q1 (13/77) in Geochemistry & Geophysics; počet citací: 39

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WoS: IF₂₀₁₀: 2,026; Q2 (7/27) in Mineralogy; Q2 (27/77) in Geochemistry & Geophysics; počet citací: 486

Holá, M., **Kalvoda, J.**, Nováková, H., **Škoda, R.**, Kanický, V. (2011): Possibilities of LA-ICP-MS technique for the spatial elemental analysis of the recent fish scales: Line scan vs. depth profiling. *Applied Surface Science*, 257, 6, 1932–1940. doi: 10.1016/j.apsusc.2010.09.029
WoS: IF₂₀₁₀: 1,795; Q2 (7/18) in Materials Science, Coatings & Films; Q2 (41/118) in Physics, Applied; Q2 (26/68) in Physics, Condensed Matter; Q3 (75/127) in Chemistry, Physical; počet citací: 28

Kalvoda, J., Bábek, O., Devuyst, F.X., Sevastopulo, G. (2011): Biostratigraphy, sequence stratigraphy and gamma-ray spectrometry of the Tournaisian-Visean boundary interval in the Dublin Basin. *Bulletin of Geosciences*, 86, 4, 683–706. doi: 10.3140/bull.geosci.1265

WoS: IF₂₀₁₀: 1,202; Q2 (24/48) in Paleontology; Q3 (88/167) in Geosciences, Multidisciplinary; počet citací: 12

Kocourková, E., Sracek, O., Houzar, S., Cempírek, J., Losos, Z., Filip, J., Hršelová, P. (2011): Geochemical and mineralogical control on the mobility of arsenic in waste rock pile at Dlouhá Ves, Czech Republic. *Journal of Geochemical Exploration*, 110, 61–73. doi: 10.1016/j.gexplo.2011.02.009

WoS: IF₂₀₁₀: 2,125; Q2 (24/77) in Geochemistry & Geophysics; počet citací: 38

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WoS: IF₂₀₁₀: 4,026; Q1 (1/48) in Geology; počet citací: 126

Krmíček, L., Cempírek, J., Havlín, A., Přichystal, A., Houzar, S., Krmíčková, M., **Gadas, P.** (2011): Mineralogy and petrogenesis of a Ba–Ti–Zr-rich peralkaline dyke from Šebkovice (Czech Republic): Recognition of the most lamproitic Variscan intrusion. *Lithos*, 121, 74–86. doi: 10.1016/j.lithos.2010.10.005

WoS: IF₂₀₁₀: 3,121; Q1 (3/27) in Mineralogy; Q1 (13/77) in Geochemistry & Geophysics; počet citací: 62

Loun, J., Čejka, J., Sejkora, J., **Plášil, J., Novák, M.,** Frost, R.L., Palmer, S.J., Keefe, E.C. (2011): A Raman spectroscopic study of bukovskýite $\text{Fe}_2(\text{AsO}_4)(\text{SO}_4)(\text{OH}) \cdot 7\text{H}_2\text{O}$, a mineral phase with a significant role in arsenic migration. *Journal of Raman Spectroscopy*, 42, 1596–1600. doi: 10.1002/jrs.2900

WoS: IF₂₀₁₀: 3,137; Q1 (9/42) in Spectroscopy; počet citací: 12

Nehyba, S., Nývlt, D., Schadke, U., Kirchner, G., Franců, E. (2011): Depositional rates and dating techniques of modern deposits in the Brno reservoir (Czech Republic) during the last 70 years. *Journal of Paleolimnology*, 45, 1, 41–55. doi: 10.1007/s10933-010-9478-5

WoS: IF₂₀₁₂: 2,676; Q1 (3/18) in Limnology; Q1 (44/193) in Environmental Sciences; Q1 (24/167) in Geosciences, Multidisciplinary; počet citací: 23

Plášil, J., Dušek, M., **Novák, M.,** Čejka, J., Císařová, I., **Škoda, R.** (2011): Sejkoraite-(Y), a new member of the zippeite group containing trivalent cations from Jáchymov (St. Joachimsthal), Czech Republic: description and crystal structure refinement. *American Mineralogist*, 96, 983–991. doi: 10.2138/am.2011.3713

WoS: IF₂₀₁₀: 2,026; Q2 (7/27) in Mineralogy; Q2 (27/77) in Geochemistry & Geophysics; počet citací: 39

Talla, D., Beran, A., **Škoda, R., Losos, Z.** (2011): On the presence of OH defects in the zircon-type phosphate mineral xenotime, (Y,REE) PO₄. *American Mineralogist*, 96, 1799–1808. doi: 10.2138/am.2011.3757

WoS: IF₂₀₁₀: 2,026; Q2 (7/27) in Mineralogy; Q2 (27/77) in Geochemistry & Geophysics; počet citací: 14

2010 (celkem 25 článků, 10 studentů spoluautorů – červeně)

Beran, A., **Talla, D., Losos, Z.,** Pinkas, J. (2010): Traces of structural H₂O molecules in baryte. *Physics and Chemistry of Minerals*, 37, 3, 159–166. doi: 10.1007/s00269-009-0320-4

WoS: IF₂₀₀₉: 1,597; Q2 (74/214) in Materials Science, Multidisciplinary; Q2 (7/27) in Mineralogy; počet citací: 7

Bláha, L., Hilscherová, K., Čáp, T., Klánová, J., Machát, J., **Zeman, J.,** Holoubek, I. (2010): Kinetic bacterial bioluminescence assay for the contact sediment toxicity testing - relationships with the matrix composition and contamination. *Environmental Toxicology and Chemistry*, 29, 3, 507–514. doi: 10.1002/etc.81

WoS: IF₂₀₀₉: 2,565; Q2 (28/77) in Toxicology; Q1 (41/181) in Environmental Sciences; počet citací: 15

Cempírek, J., Novák, M., Dolníček, Z., **Kotková, J., Škoda, R.** (2010): Crystal chemistry and origin of grandidierite, ominelite, boralsilite and werdingite from the Bory Granulite Massif, Czech Republic. *American Mineralogist*, 95, 10, 1533–1547. doi: 10.2138/am.2010.3480

WoS: IF₂₀₀₉: 1,859; Q1 (6/27) in Mineralogy; Q2 (24/75) in Geochemistry & Geophysics; počet citací: 25

Čobič, A., Bermanec, V., Tomašič, N., **Škoda, R.** (2010): The hydrothermal recrystallization of metamict allanite-(Ce). *Canadian Mineralogist*, 48, 3, 513–521. doi: 10.3749/canmin.48.3.513

WoS: IF₂₀₀₉: 1,290; Q2 (13/27) in Mineralogy; počet citací: 12

- Doláková, N., Roszková, A., Přichystal, A.** (2010): Palynology and natural environment in the Pannonian to Holocene sediments of the early Medieval centre Pohansko near Brno (Czech Republic). *Journal of Archaeological Science*, 37, 10, 2538–2550. doi: 10.1016/j.jas.2010.05.014
WoS: IF₂₀₀₉: 1,847; **Q2** (46/155) in Geosciences, Multidisciplinary; počet citací: 14
- Franců, E.,** Schwarzbauer, J., Lána, R., Nývlt, D., **Nehyba, S.** (2010): Historical Changes in Levels of Organic Pollutants in Sediment Cores from Brno Reservoir, Czech Republic. *Water Air and Soil Pollution*, 209, 1-4, 81–91. doi: 10.1007/s11270-009-0182-x
WoS: IF₂₀₀₉: 1,676; **Q2** (30/63) in Meteorology & Atmospheric Sciences; **Q1** (16/66) in Water Resources; **Q2** (79/181) in Environmental Sciences; počet citací: 22
- Frost, R.L., Bahfenne, S., Čejka, J., Sejkora, J., Palmer, S.L., **Škoda, R.** (2010): Raman microscopy of hydrous Ca(AsO₃OH) · H₂O and brassyite Mg(AsO₃OH) · 4H₂O. *Journal of Raman Spectroscopy*, 41, 6, 690–693. doi: 10.1002/jrs.2498
WoS: IF₂₀₀₉: 3,147; **Q1** (7/39) in Spectroscopy; počet citací: 24
- Galiová, M., Kaiser, J., Novotný, K., **Ivanov, M.,** Nývltová Fišáková, M., Mancini, L., Tromba, G., Vaculovič, T., Liška, M., Kanický, V. (2010): Investigation of the osteitis deformans phases in snake vertebrae by double-pulse laser-induced breakdown spectroscopy. *Analytical and Bioanalytical Chemistry*, 398, 2, 1095–1107. doi: 10.1007/s00216-010-3976-1
WoS: IF₂₀₀₉: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 21
- Hilscherová, K., Dušek, L., Štěpánková, T., Jálková, V., Čupr, P., Giesy, J., **Nehyba, S.,** Jarkovský, J., Klánová, J., Holoubek, I. (2010): Seasonally and regionally determined indication potential of bioassays in contaminated river sediments. *Environmental Toxicology and Chemistry*, 29, 3, 522–534. doi: 10.1002/etc.83
WoS: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 24
- Kalvoda, J., Bábek, O.** (2010): The Margins of Laurussia in Central and Southeast Europe and Southwest Asia. *Gondwana Research*, 17, 2-3, 526–545. doi: 10.1016/j.gr.2009.09.012
WoS: IF₂₀₀₉: 4,605; **Q1** (4/155) in Geosciences, Multidisciplinary; počet citací: 80
- Knížek, M., Melichar, R., Janečka, J.** (2010): Stratigraphic separation diagrams as a tool for determining fault geometry in a folded and thrust region: an example from the Barrandian region, Czech Republic. *Geological Journal*, 45, 5-6, 536–543. doi: 10.1002/gj.1206
WoS: IF₂₀₀₉: 1,333; **Q2** (75/155) in Geosciences, Multidisciplinary; počet citací: 9
- Kolaříková, I., Švandová, J., Přikryl, R., Vinšová, H., Jedináková-Křížová, V., **Zeman, J.** (2010): Mineralogical changes in bentonite barrier within Mock-Up-CZ experiment. *Applied Clay Science*, 47, 1-2, 10–15. doi: 10.1016/j.clay.2009.11.011
WoS: IF₂₀₀₉: 2,784; **Q1** (4/27) in Mineralogy; počet citací: 23
- Koptíková, L., **Bábek, O.,** Hladil, J., **Kalvoda, J.,** Slavík, L. (2010): Stratigraphic significance and resolution of spectral reflectance logs in Lower Devonian carbonates of the Barrandian area, Czech Republic; a correlation with magnetic susceptibility and gamma-ray logs. *Sedimentary Geology*, 2225, 3-4, 83–98. doi: 10.1016/j.sedgeo.2010.01.004
WoS: IF₂₀₀₉: 1,957; **Q1** (8/49) in Geology; počet citací: 63
- Kotková, J.,** Harley, S.L. (2010): Anatexis during high-pressure crustal metamorphism: evidence from garnet-whole rock REE relationships and zircon-rutile Ti-Zr thermometry in leucogranulites from the Bohemian Massif. *Journal of Petrology*, 51, 10, 1967–2001. doi: 10.1093/petrology/egq045
WoS: IF₂₀₀₉: 3,738; **Q1** (4/75) in Geochemistry & Geophysics; počet citací: 58
- Kotková, J.,** Schaltegger, U., **Leichmann, J.** (2010): Two types of ultrapotassic plutonic rocks in the Bohemian Massif - Coeval intrusions at different crustal levels. *Lithos*, 115, 1-4, 163–176. doi: 10.1016/j.lithos.2009.11.016
WoS: IF₂₀₀₉: 3,537; **Q1** (2/27) in Mineralogy; **Q1** (6/75) in Geochemistry & Geophysics; počet citací: 62

Kučera, J., Muchez, P., **Slobodník, M.**, Prochaska, W. (2010): Geochemistry of highly saline fluids in the Moravo-Silesian Palaeozoic siliciclastic sequences: genetic implications. *International Journal of Earth Sciences*, 99, 2, 269–284. doi: 10.1007/s00531-008-0387-z

WoS: IF₂₀₀₉: 2,445; **Q1** (28/155) in Geosciences, Multidisciplinary; počet citací: 13

Matysová, P., Roesler, R., Goetze, J., **Leichmann, J.**, Forbes, G., Taylor, E., Sakala, J., Grygar, T. (2010): Alluvial and volcanic pathways to silicified plant stems (Upper Carboniferous-Triassic) and their taphonomic and palaeoenvironmental meaning. *Palaeogeography Palaeoclimatology Palaeoecology*, 292, 1-2, 127–143. doi: 10.1016/j.palaeo.2010.03.036

WoS: IF₂₀₀₉: 2,646; **Q1** (6/41) in Paleontology; **Q1** (8/36) in Geography, Physical; **Q1** (23/155) in Geosciences, Multidisciplinary; počet citací: 62

Mazur, S., Kröner, A., Szczepański, J., Turniak, K., Hanžl, P., **Melichar, R.**, Rodionov, N., Paderin, I., Sergeev, S. (2010): Single zircon U-Pb ages and geochemistry of granitoid gneisses from SW Poland: evidence for an Avalonian affinity of the Brunian microcontinent. *Geological Magazine*, 147, 4, 508–526. doi: 10.1017/S001675680999080X

WoS: IF₂₀₀₉: 2,059; **Q2** (39/155) in Geosciences, Multidisciplinary; počet citací: 59

Mihaljevič, M., Ettler, V., Šebek, O., Drahota, P., Strnad, L., Procházka, R., **Zeman, J.**, Sracek, O. (2010): Alteration of arsenopyrite in soils under different vegetation covers. *Science of the Total Environment*, 408, 6, 1286–1294. doi: 10.1016/j.scitotenv.2009.12.003

WoS: IF₂₀₀₉: 2,905; **Q1** (32/181) in Environmental Sciences; počet citací: 20

Novák, M., Filip, J. (2010): Unusual (Na,Mg)-enriched beryl and its breakdown products (beryl II, bazzite, bavenite) from euxenite type NYF pegmatite related to the orogenic ultrapotassic Třebíč Pluton, Czech Republic. *Canadian Mineralogist*, 48, 3, 615–628. doi: 10.3749/canmin.48.3.615

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 33

Novák, M., **Gadas, P.** (2010): Internal structure and mineralogy of a zoned anorthite and grossular bearing leucotonalitic pegmatite in serpentinized lherzolite at Ruda nad Moravou, Staré Město Unit, Czech Republic. *Canadian Mineralogist*, 48, 629–650. doi: 10.3749/canmin.48.3.629

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 12

Plášil, J., Buixaderas, E., Čejka, J., Sejkora, J., Jehlička, J., **Novák, M.** (2010): Raman spectroscopic study of the uranyl sulphate mineral zippeite: low wavenumber and U–O stretching regions. *Analytical and Bioanalytical Chemistry*, 397, 7, 2703–2715. doi: 10.1007/s00216-010-3577-z

WoS: IF₂₀₀₉: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 40

Plášil, J., Sejkora, J., Čejka, J., **Novák, M.**, Viňals, J., Ondruš, P., Veselovský, F., Škácha, P., Jehlička, J., Goliáš, V., Hloušek, J. (2010): Metarauchite, Ni(UO₂)₂(AsO₄)₂ · 8H₂O, from Jáchymov, Czech Republic, and Schneeberg, Germany: a new member of the autunite group. *Canadian Mineralogist*, 48, 335–350. doi: 10.3749/canmin.48.2.2335

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 17

Sejkora, J., **Plášil, J.**, Ondruš, P., Veselovský, F., Císařová, I., Hloušek, J. (2010): Slavkovite, Cu₁₃(AsO₄)₆(AsO₃OH)₄ · 23H₂O, a new mineral species from Horní Slavkov and Jáchymov, Czech Republic: Description and crystal structure determination. *Canadian Mineralogist*, 48, 5, 1157–1170. doi: 10.3749/canmin.48.5.1157

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 10

Tomašić, N., Gajović, A., Bermanec, V., Linarić, M.R., Su, D.S., **Škoda, R.** (2010): Preservation of samarskite structure in a metamict ABO₄ mineral: a key to crystal structure identification. *European Journal of Mineralogy*, 22, 3, 435–442. doi: 10.1127/0935-1221/2010/0022-2032

WoS: IF₂₀₀₉: 1,450; **Q2** (9/27) in Mineralogy; počet citací: 8

2009 (celkem 12 článků, 5 studentů spoluautorů – červeně)

Bhattacharya, P., Hasan, M.A., **Sracek, O.**, Smith, E., Ahmed, K.M., von Bromssen, M., Huq, S.M.I., Naidu, R. (2009): Groundwater chemistry and arsenic mobilization in the holocene flood plains in south-central Bangladesh. *Environmental Geochemistry and Health*, 31, 1, 23–43. doi: 10.1007/s10653-008-9230-5
WoS: IF₂₀₀₈: 1,238; **Q2** (21/60) in Water Resources; **Q2** (16/38) in Engineering, Environmental; **Q3** (95/2163) in Environmental Sciences; **Q3** (74//105) in Public, Environmental & Occupational Health; počet citací: 53

Boháč M., Gregerová M. (2009): The influence of blast-furnace slag hydration products on microcracking of concrete. *Materials Characterization*, 60, 7, 729–734. doi: 10.1016/j.matchar.2008.11.011
WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 15

Bradák, B., Szakmány, G., Jósza, S., **Přichystal, A.** (2009): Application of magnetic susceptibility measurement on polished stone tools from Western Hungary and Eastern Part of the Czech Republic (Central Europe). *Journal of Archaeological Science*, 36, 10, 2437–2444. doi: 10.1016/j.jas.2009.07.001
WoS: IF₂₀₀₈: 1,779; **Q2** (46/144) in Geosciences, Multidisciplinary; počet citací: 10

da Silva, J.C., Vargas, E.D., **Sracek, O.** (2009): Modeling Multiphase Reactive Transport in a Waste Rock Pile with Convective Oxygen Supply. *Vadose Zone Journal*, 8, 4, 1038–1050. doi: 10.2136/vzj2008.0156
WoS: IF₂₀₀₈: 1,441; **Q2** (13/31) in Soil Science; **Q1** (14/60) in Water Resources; **Q3** (82/163) in Environmental Sciences; počet citací: 14

Dolníček, Z., **Fojt, B.**, Prochaska, W., **Kučera, J.**, Sulovský, P. (2009): Origin of the Zálesí U-Ni-Co-As-Ag/Bi deposit, Bohemian Massif, Czech Republic: fluid inclusion and stable isotope constraints. *Mineralium Deposita*, 44, 81–97. doi: 10.1007/s00126-008-0202-6
WoS: IF₂₀₀₈: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 34

Gregerová, M., Všíanský, D. (2009): Identification of concrete deteriorating minerals by polarizing and scanning electron microscopy. *Materials Characterization*, 60, 7, 680–685. doi: 10.1016/j.matchar.2009.01.018
WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 11

Haloda, J., Týcová, P., Korotev, R.L., Fernandes, V.A., Burgess, R., Thoni, M., Jelenc, M., Jakeš, P., **Gabzdyl, P.**, Kosler, J. (2009): Petrology, geochemistry, and age of low-Ti mare-basalt meteorite Northeast Africa 003-A: A possible member of the Apollo 15 mare basaltic suite. *Geochimica et Cosmochimica Acta*, 73, 3450–3470. doi: 10.1016/j.gca.2009.03.003
WoS: IF₂₀₀₈: 4,235; **Q1** (3/64) in Geochemistry & Geophysics; počet citací: 30

Kalvoda, J., Novák, M., Bábek, O., Brzobohatý, R., Holá, M., Holoubek, I., Kanický, V., Škoda, R. (2009): Compositional changes in fish scale hydroxylapatite during early diagenesis; an example from an abandoned meander. *Biogeochemistry*, 94, 3, 197–215. doi: 10.1007/s10533-009-9319-7
WoS: IF₂₀₀₈: 2,961; **Q1** (26/163) in Environmental Sciences; **Q1** (16/144) in Geosciences, Multidisciplinary; počet citací: 14

Kříbek, B., Žák, K., Dobeš, P., **Leichmann, J.**, Pudilová, M., René, M., Scharm, B., Scharnova, M., Hájek, A., Holeczy, D., Hein, U.F., Lehmann, B. (2009): The Rožná uranium deposit (Bohemian Massif, Czech Republic): shear zone-hosted, late Variscan and post-Variscan hydrothermal mineralization. *Mineralium Deposita*, 44, 99–128. doi: 10.1007/s00126-008-0188-0
WoS: IF₂₀₀₈: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 46

Kuneš, P., Abrahám, V., Kovařík, O., Kopecký, M., Břízová, E., Dudová, L., Jankovská, V., Knipping, M., Kozáková, R., Nováková, K., Petr, L., Pokorný, P., **Roszková, A.**, Rybníčková, E., Svobodová-Svitavská, H., Wacnik, A. (2009): Czech Quaternary Palynological Database - PALYCZ: review and basic statistics of the data. *Preslia*, 81, 209–238. doi: neuvedeno
WoS: IF₂₀₀₈: 2,396; **Q1** (29/156) in Plant Sciences; počet citací: 63

Staněk, T., **Sulovský, P.** (2009): The influence of phosphorous pentoxide on the phase composition and formation of Portland clinker. *Materials Characterization*, 60, 7, 749–755. doi: 10.1016/j.matchar.2008.11.013
WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 33

Svoboda, J., Králík, M., Čulíková, V., **Hladilová, Š.**, Novák, M., Nývltová Fišáková, M., Nývlt, D., Zelinková, M. (2009): Pavlov VI: an Upper Palaeolithic living unit. *Antiquity*, 83, 320, 282–295. doi: 10.1017/S0003598X00098434

WoS: IF₂₀₀₈: 0,844; Q2 (24/61) in Anthropology; počet citací: 24

2008 (celkem 11 článků, 6 studentů spoluautorů – červeně)

Bábek, O., Hilscherová, K., **Nehyba, S.**, **Zeman, J.**, **Faměra, M.**, Franců, J., Holoubek, I., Machát, J., Klánová, J. (2008): Contamination history of suspended river sediments accumulated in oxbow lakes over the last 25 years (Morava River, Danube catchment area), Czech Republic. *Journal of Soils and Sediments* 8, 3, 165–176. doi: 10.1007/s11368-008-0002-8

WoS: IF₂₀₀₇: 4,373; Q1 (1/30) in Soil Science; počet citací: 66

Cempírek, J., Houzar, S., **Novák, M.** (2008): Complexly zoned niobian titanite from hedenbergite skarn at Písek, Czech Republic constrained by substitutions Al(Nb,Ta) Ti₂, Al(F,OH) (TiO)₋₁ and Sn Ti₁. *Mineralogical Magazine*, 72, 6, 1317–1329. doi: 10.1180/minmag.2008.072.6.1293

WoS: IF₂₀₀₇: 1,269; Q2 (8/25) in Mineralogy; počet citací: 26

Faimon J., **Blecha M.** (2008): Interaction of Freshly Precipitated Silica Gel with Aqueous Silicic Acid Solutions under Ambient and Near Neutral pH-conditions: A Detailed Analysis of Linear Rate Law. *Aquatic Geochemistry*, 14, 1, 1–40. doi: 10.1007/s10498-007-9024-x

WoS: IF₂₀₀₇: 1,412; Q2 (26/63) in Geochemistry & Geophysics; počet citací: 1

Filip, J., Dachs, E., Tuček, J., **Novák, M.**, Bezdička, P. (2008): Low-temperature calorimetric and magnetic data for the natural end-members of axinite group. *American Mineralogist*, 93, 4, 548–557. doi: 10.2138/am.2008.2680

WoS: IF₂₀₀₇: 2,203; Q1 (4/25) in Mineralogy; Q1 (13/63) in Geochemistry & Geophysics; počet citací: 7

Isaacson, P.E., Diaz-Martínez, G.W., Grader, G.W., **Kalvoda, J.**, **Bábek, O.**, Devuyst, F.-X. (2008): Late Devonian-earliest Mississippian glaciation in Gondwana and its biogeographic consequences. *Palaeogeography Palaeoclimatology Palaeoecology*, 268, 3-4, 126–142. doi: 10.1016/j.palaeo.2008.03.047

WoS: IF₂₀₀₇: 2,162; Q1 (4/40) in Paleontology; Q2 (8/31) in Geography, Physical; Q1 (28/137) in Geosciences, Multidisciplinary; počet citací: 178

Kalvoda, J., **Bábek, O.**, Fatka, O., **Leichmann, J.**, **Melichar, R.**, **Nehyba, S.**, Špaček, P. (2008): Brunovistulian terrane (Bohemian Massif, Central Europe) from late Proterozoic to late Paleozoic: a review. *International Journal of Earth Sciences*, 97, 3, 497–517. doi: 10.1007/s00531-007-0183-1

WoS: IF₂₀₀₇: 1,719; Q2 (43/137) in Geosciences, Multidisciplinary; počet citací: 152

Matysová, M., **Leichmann, J.**, Grygar, T., Roessler, R. (2008): Cathodoluminescence of silicified trunks from the Permo-Carboniferous basins in eastern Bohemia, Czech Republic. *European Journal of Mineralogy*, 20, 217–231. doi: 10.1127/0935-1221/2008/0020-1797

WoS: IF₂₀₀₇: 1,206; Q2 (12/25) in Mineralogy; počet citací: 18

Mukherjee, A., von Brömssen, M., Scanlon, B.R., Bhattacharya, P., Fryar, A.E., Aziz Hasan, M., Matin Ahmed K., Chatterjee, D., Jacks, G., **Sracek, O.** (2008): Hydrogeochemical comparison and effects of overlapping redox zones on groundwater arsenic near the Western (Bhagirathi sub-basin, India) and Eastern (Meghna sub-basin, Bangladesh) margins of the Bengal Basin. *Journal of Contaminant Hydrology*, 99, 1-4, 31–48. doi: 10.1016/j.jconhyd.2007.10.005

WoS: IF₂₀₀₇: 1,852; Q1 (5/59) in Water Resources; Q2 (49/160) in Environmental Sciences; Q2 (38/137) in Geosciences, Multidisciplinary; počet citací: 128

Novák, M., Johan, Z., **Škoda, R.**, Černý, P., Šrein, V., Veselovský, F. (2008): Primary oxide minerals in the system WO₃ – Nb₂O₅ – TiO₂ – Fe₂O₃ – FeO and their breakdown products from the pegmatite No. 3 at Dolní Bory - Hatě, Czech Republic. *European Journal of Mineralogy*, 20, 4, 487–499. doi: 10.1127/0935-1221/2008/0020-1834

WoS: IF₂₀₀₇: 1,206; Q2 (12/25) in Mineralogy; počet citací: 27

Slobodník, M., Jacher-Śliwczynska, K., **Taylor, M.C.**, Schneider, J., Dolníček, Z. (2008): Plumbotectonic aspects of polymetallic vein mineralization in Paleozoic sediments and Proterozoic basement of Moravia (Czech Republic). *International Journal of Earth Sciences*, 97, 1, 1–18. doi: 10.1007/s00531-006-0157-8

WoS: IF₂₀₀₇: 1,719; Q2 (43/137) in Geosciences, Multidisciplinary; počet citací: 11

von Brömssen, M., Hällér Larsson, S., Bhattacharya, P., Aziz Hasan, M., Matin Ahmed K., Jakariya, M., Mohiuddin A. S., **Sracek, O.**, Bivén, A., Doušová, B., Patriarca, C., Thunvik, R., Jacks, G. (2008): Geochemical characterisation of shallow aquifer sediments of MatlabUpazila, Southeastern Bangladesh Implications for targeting low-As aquifers. *Journal of Contaminant Hydrology*, 99, 1-4, 137–149. doi: 10.1016/j.jconhyd.2008.05.005

WoS: IF₂₀₀₇: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 66

2007 (celkem 9 článků, 4 studenti spoluautoři – červeně)

Buriánek, D., Novák, M. (2007): Compositional evolution and substitutions in disseminated and nodular tourmaline from leucocratic granites: Examples from the Bohemian Massif, Czech Republic. *Lithos*, 95, 1-2, 148–164. doi: 10.1016/j.lithos.2006.07.006

WoS: IF₂₀₀₆: 2,203; **Q1** (3/26) in Mineralogy; **Q2** (16/59) in Geochemistry & Geophysics; počet citací: 52

Devuyst, F.-X., **Kalvoda, J.** (2007): Early evolution of the genus Eoparastaffella (Foraminifera) in Eurasia: the 'interiecta group' and related forms, late Tournaisian to early Viséan (Mississippian). *Journal of Foraminiferal Research*, 37, 1, 69–89. doi: 10.2113/gsjfr.37.1.69

WoS: IF₂₀₀₆: 1,791; **Q1** (7/36) in Paleontology; počet citací: 24

Filip, J., Zbořil, R., Schneeweiss, O., **Zeman, J.,** Černík, M., Kvapil, P., Otyepka, M. (2007): Environmental applications of chemically-pure natural ferrihydrite. *Environmental Science and Technology*, 41, 12, 4367–4374. doi: 10.1021/es062312t

WoS: IF₂₀₀₆: 4,040; **Q1** (1/35) in Engineering, Environmental; **Q1** (4/144) in Environmental Sciences; počet citací: 98

Hasan, M.A., Ahmed, K.M., **Sracek, O.,** Bhattacharya, P., von Brömssen, M., Broms, S., Fogelström, J., Mazumder, M.L., Jacks, G. (2007): Arsenic in shallow groundwater of Bangladesh: investigation from three different physiographic settings. *Hydrogeology Journal*, 15, 8, 1507–1522. doi: 10.1007/s10040-007-0203-z

WoS: IF₂₀₀₆: 1,288; **Q1** (14/57) in Water Resources; **Q2** (54/131) in Geosciences, Multidisciplinary; počet citací: 124

Kotková, J., Gerdes, A., Parrish, R.R., **Novák, M.** (2007): Clasts of Variscan high-grade rocks within Upper Viséan conglomerates – a missing link in the late Variscan evolution of Central Europe: constraints from U-Pb chronology. *Journal of Metamorphic Geology*, 25, 7, 781–801. doi: 10.1111/j.1525-1314.2007.00730.x

WoS: IF₂₀₀₆: 2,350; **Q1** (2/37) in Geology; počet citací: 41

Milner, A.R., Klembara, J., **Dostál, O.** (2007): A zatrachydid temnospondyl from the Lower Permian of the Boskovice Furrow in Moravia (Czech Republic). *Journal of Vertebrate Paleontology*, 27, 3, 711–715. doi: 10.1671/0272-4634(2007)27[711:A7TFTL]2.0.CO;2

WoS: IF₂₀₀₆: 1,418; **Q1** (9/55) in Paleontology; počet citací: 10

Škoda, R., Novák, M. (2007): Y,REE,Nb,Ta,Ti-oxide (AB₂O₆) minerals from REL-REE euxenite-subtype pegmatites of the Třebíč Pluton, Czech Republic; substitutions and fractionation trends. *Lithos*, 95, 1-2, 43–57. doi: 10.1016/j.lithos.2006.07.020

WoS: IF₂₀₀₆: 2,203; **Q1** (3/26) in Mineralogy; **Q2** (16/59) in Geochemistry & Geophysics; počet citací: 43

Vencelides, Z., **Sracek, O.,** Prommer, H. (2007): Modelling of iron cycling and its impact on the electron balance at a petroleum hydrocarbon contaminated site in Hněvice, Czech Republic. *Journal of Contaminant Hydrology*, 89, 3-4, 270–294. doi: 10.1016/j.jconhyd.2006.09.003

WoS: IF₂₀₀₆: 1,717; **Q1** (4/57) in Water Resources; **Q2** (43/144) in Environmental Sciences; **Q2** (37/131) in Geosciences, Multidisciplinary; počet citací: 31

von Brömssen, M., Jakariya, M., Bhattacharya, P., Ahmed, K.M., Hasan, M. A., **Sracek, O.,** Jonsson, L., Lundell, L., Jacks, G. (2007): Targeting low-arsenic aquifers in Matlab Upazila, Southeastern Bangladesh. *Science of the Total Environment*, 379, 2-3, 121–132. doi: 10.1016/j.scitotenv.2006.06.028

WoS: IF₂₀₀₆: 2,359; Q1 (28/144) in Environmental Sciences; počet citací: 150

2006 (celkem 16 článků, 9 studentů spoluautorů – červeně)

Barčová, K., Mashlan, M., Zbořil, R., **Filip, J.**, Podjuklová, J., Hrabovská, K., P. Schaaf (2006): Phase composition of steel-enamel interfaces: effects of chemical pre-treatment. *Surface & Coatings Technology*, 201, 3-4, 1836–1844. doi: 10.1016/j.surfcoat.2006.03.015

WoS: IF₂₀₀₅: 1,646; Q1 (3/19) in Materials Science, Coatings & Films; Q2 (25/83) in Physics, Applied; počet citací: 21

Bertolo R., Hirata R., **Sracek, O.** (2006): Geochemistry and geochemical modeling of unsaturated zone in a tropical region in Urania, Sao Paulo state, Brazil. *Journal of Hydrology*, 329, 1-2, 49–62. doi: 10.1016/j.jhydrol.2006.02.001

WoS: IF₂₀₀₅: 1,745; Q1 (4/57) in Water Resources; Q1 (1/80) in Engineering, Civil; Q1 (27/129) in Geosciences, Multidisciplinary; počet citací: 20

Bhattacharya, P., Claesson, M., Bundschuh, J., **Sracek, O.**, Fagerberg, J., Jacks, G., Martin, R.A., del Stornolo, A., Thir, J.M. (2006): Distribution and mobility of arsenic in the Río Dulce alluvial aquifers in Santiago del Estero Province, Argentina. *Science of the Total Environment*, 358, 1-3, 97–120. doi: 10.1016/j.scitotenv.2005.04.048

WoS: IF₂₀₀₅: 2,224; Q1 (22/140) in Environmental Sciences; počet citací: 222

Breiter, K., Förster, H.-J., **Škoda, R.** (2006): Extreme P-,Bi-,Nb-,Sc-,U- and F-rich zircon from fractionated perphosphorous granites: The peraluminous Podlesí granite system, Czech Republic. *Lithos*, 88, 1-4, 15–34. doi: 10.1016/j.lithos.2005.08.011

WoS: IF₂₀₀₅: 2,243; Q1 (3/25) in Mineralogy; Q1 (13/55) in Geochemistry & Geophysics; počet citací: 97

Cempírek, J., **Novák, M.**, Ertl, A., Hughes, J.M., Rossman, G.R., Darby, M.D. (2006): Fe-bearing olenite with tetrahedrally coordinated Al from an abyssal pegmatite at Kutná Hora, Czech Republic: structure, crystal chemistry, optical spectra and Xanes spectra. *Canadian Mineralogist*, 44, 1, 23–30. doi: 10.2113/gscanmin.44.1.23

WoS: IF₂₀₀₅: 1,259; Q2 (10/25) in Mineralogy; počet citací: 34

Ettler, V., Mihajlevič, M., Šebek, O., Molek, M., Grygar, T., **Zeman, J.** (2006): Geochemical and Pb isotopic evidence for sources and dispersal of metal contamination in stream sediments from the mining and smelting district Příbram, Czech Republic. *Environmental Pollution*, 142, 3, 27–35. doi: 10.1016/j.envpol.2005.10.024

WoS: IF₂₀₀₅: 2,451; Q1 (17/140) in Environmental Sciences; počet citací: 121

Faimon, J., **Štecl, J.**, Sas, D. (2006): Anthropogenic CO₂-flux into cave atmosphere and its environmental impact: A case study in the Císařská Cave (Moravian Karst, Czech Republic). *Science of the Total Environment*, 369, 1-3, 231–245. doi: 10.1016/j.scitotenv.2006.04.006

WoS: IF₂₀₀₅: 2,224; Q1 (22/140) in Environmental Sciences; počet citací: 61

Filip, J., Kolitsch, U., **Novák, M.**, Schneewiess, O. (2006): The crystal structure of near-end-member ferroaxinite from an iron-contaminated primitive pegmatite at Malešov, Czech Republic. *Canadian Mineralogist*, 44, 1159–1170. doi: 10.2113/gscanmin.44.5.1159

WoS: IF₂₀₀₅: 1,259; Q2 (10/25) in Mineralogy; počet citací: 7

Filip, J., **Novák, M.**, Beran, A., Zbořil, R. (2006): Crystal chemistry and OH defect concentrations in spodumene from different granitic pegmatites. *Physics and Chemistry of Minerals*, 32, 10, 733–746. doi: 10.1007/s00269-005-0051-0

WoS: IF₂₀₀₅: 1,336; Q2 (54/178) in Materials Science; Q2 (8/25) in Mineralogy, Multidisciplinary; počet citací: 21

Hyršl, J., **Novák, M.**, **Škoda, R.** (2006): Gem-quality massive pink muscovite from Brazil. *Gems and Gemology*, 42, 65–66. doi: neuvedeno

WoS: IF₂₀₀₅: 1,762; Q1 (5/25) in Mineralogy; počet citací: 3

Chadima, M., Hrouda, F., **Melichar, R.** (2006): Magnetic fabric study of the SE Rhenohercynian Zone (Bohemian Massif): Implications for dynamics of the Paleozoic accretionary wedge. *Tectonophysics*, 418, 1-2, 93–109. doi: 10.1016/j.tecto.2005.12.015

WoS: IF₂₀₀₅: 1,732; **Q2** (19/55) in *Geochemistry & Geophysics*; počet citací: 24

Menning, M., Alekseev, A.S., Chuvashov, B.I., Davydov, V.I., **Devuyt, F.-X.**, Forke, H.C., Grunt, T.A., Hance, L., Heckel, P.H., Izokh, N.G., Jin, Y.G., Jones, P.J., Kotlyar, G.V., Kozur, H.W., Nemyrovskaya, T.I., Schneider, J.W., Wang, X.D., Weddige, K., Weyer, D., Work, D.M. (2006): Global time scale and regional stratigraphic reference scales of Central and West Europe, East Europe, Tethys, South China, and North America as used in the Devonian–Carboniferous–Permian Correlation Chart 2003 (DCP 2003). *Palaeogeography Palaeoclimatology Palaeoecology*, 240, 1-2, 318–372. doi: 10.1016/j.palaeo.2006.03.058

WoS: IF₂₀₀₅: 1,899; **Q1** (4/35) in *Paleontology*; **Q2** (8/30) in *Geography, Physical*; **Q1** (24/129) in *Geosciences, Multidisciplinary*; počet citací: 260

Poty, E., **Devuyt, F.-X.**, Hance, L. (2006): Upper Devonian and Mississippian foraminiferal and rugose coral zonation of Belgium and Northern France: a tool for Eurasian correlations. *Geological Magazine*, 143, 6, 1–29. doi: 10.1017/S0016756806002457

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in *Geosciences, Multidisciplinary*; počet citací: 194

Selker, J.S., Thévenaz, L., Huwald, H., Mallet, A., Luxemburg, W., Giesen, N., **Stejskal, M.**, **Zeman, J.**, Westhoff, M., Parlange, M.B. (2006): Distributed fiber-optic temperature sensing for hydrologic systems. *Water Resources Research*, 42, 12–20. doi: 10.1029/2006WR005326

WoS: IF₂₀₀₅: 1,939; **Q1** (3/17) in *Limnology*; **Q1** (2/57) in *Water Resources*; **Q1** (30/140) in *Environmental Sciences*; počet citací: 431

Slobodník, M., Muchez, P., Král, J., Keppens, E. (2006): Variscan veins: record of fluid circulation and Variscan tectonothermal events in Upper Palaeozoic limestones of the Moravian Karst, Czech Republic. *Geological Magazine*, 143, 4, 491–508. doi: 10.1017/S0016756806001981

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in *Geosciences, Multidisciplinary*; počet citací: 12

Taylor, M.C. (2006): The gel model for the formation of gem-bearing pockets within granitic pegmatites, and implications for gem synthesis. *Gems and Gemology*, 42, 3, 110–111. doi: neuvedeno

WoS: IF₂₀₀₅: 1,762; **Q1** (5/25) in *Mineralogy*; počet citací: 7

2005 (celkem 3 články, 2 studenti spoluautoři – červeně)

Breiter, K., Mueller, A., **Leichmann, J.**, Gabašová, A. (2005): Textural and chemical evolution of a fractionated granitic system: the Podlesí stock, Czech Republic. *Lithos*, 80, 1, 323–345. doi: 10.1016/j.lithos.2003.11.004

WoS: IF₂₀₀₄: 2,567; **Q1** (2/23) in *Mineralogy*; **Q1** (9/50) in *Geochemistry & Geophysics*; počet citací: 99

Čopjaková R., **Sulovský P.**, Peterson, B. (2005): Major and trace elements in pyrope-almandine garnets as sediment provenance indicators of the Lower Carboniferous Culm sediments, Drahany Uplands, Bohemian Massif. *Lithos*, 82, 1-2, 51–70. doi: 10.1016/j.lithos.2004.12.006

WoS: IF₂₀₀₄: 2,567; **Q1** (2/23) in *Mineralogy*; **Q1** (9/50) in *Geochemistry & Geophysics*; počet citací: 57

Sejkora, J., Novotný, P., **Novák, M.**, Šrein, V., Berlepsch, P. (2005): Calciopetersite from Domašov nad Bystřicí, northern Moravia, Czech Republic, a new mineral species of the mixite group. *Canadian Mineralogist*, 43, 4, 1393–1400. doi: 10.2113/gscanmin.43.4.1393

WoS: IF₂₀₀₄: 1,207; **Q2** (9/23) in *Mineralogy*; počet citací: 11

2004 (celkem 10 článků, 2 studenti spoluautoři – červeně)

Ahmed, K.M., Bhattacharya, P., Hasan, M.A., Akhter, S.H., Alam, S.M.M., Bhuyian, M.A., Imam, M.B., Khan, A.A., **Sracek, O.** (2004): Arsenic enrichment in groundwater of the alluvial aquifers in Bangladesh: An overview. *Applied Geochemistry*, 19, 2, 181–200. doi: 10.1016/j.apgeochem.2003.09.006

WoS: IF₂₀₀₃: 1,804; **Q2** (15/52) in *Geochemistry & Geophysics*; počet citací: 505

Broska, I., Williams, T., Uher, P., Konečný, P., **Leichmann, J.** (2004): The geochemistry of phosphorus in different granite suites of the Western Carpathians, Slovakia: the role of apatite and P-bearing feldspars. *Chemical Geology*, 205, 1-2, 224–236. doi: 10.1016/j.chemgeo.2003.09.004
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