

Přehled impaktovaných publikací učitelů/studentů ÚGV PŘF MU v Brně v období 2003-2019

2019 (celkem 1 článek, 1 student spoluautor – červeně)

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.

WoS: IF₂₀₁₇: 4,610; Q1 (27/241) in Environmental Sciences

2018 (celkem 41 článků, 18 studentů spoluautorů – červeně)

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.

WoS: IF₂₀₁₇: 3,811; Q1 (25/189) in Geoscience, Multidisciplinary; Q1 (1/36) in Engineering, Geological

Brzobohatý, R., Nolf, D. (2018): Revision of the Middle Badenian fish otoliths from the Carpathian Foredeep in Moravia (Middle Miocene, Czech Republic). *Cybium*, 42, 2, 143–167.

WoS: IF₂₀₁₇: 0,346; Q4 (156/166) in Soil Science

Buřival, Z., **Novák, M.** (2018): Secondary blue tourmaline after garnet from elbaite-subtype pegmatites; implications for source and behavior of Ca and Mg in fluids. *Journal of Geosciences*, 63, 2, 111–122.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Cempírek, J., **Novák, M.** (2018): Foreword to the special issue arising from the international conference “Tourmaline 2017”. *Journal of Geosciences*, 63, 2, 75–76.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

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.

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

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

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

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.

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

Georgalis, G.L., **Ivanov, M.**, Villa, A., Roussiakis, S., Skandalos, P., Delfino, M. (2018): 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*.

WoS: IF₂₀₁₇: 1,249; Q2 (28/56) in Paleontology

Hanáček, M., Nývlt, D., Skácelová, Z., **Nehyba, S.**, Procházková, B., Engel, Z. (2018): Sedimentary evidence for an ice-sheet dammed lake in a mountain valley of the Eastern Sudetes, Czechia. *Acta Geologica Polonica*, 68, 1, 107–134.

WoS: IF₂₀₁₇: 1,085; Q3 (27/47) in Geology

Holcová, K., **Doláková, N.**, **Nehyba, S.**, Vacek, F. (2018): Timing of Langhian bioevents in the Carpathian Foredeep and north ern Pannonian Basin in relation to oceanographic, tectonic and climatic processes. *Geological Quarterly*, 62, 1, 3–17.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Ivanov, M., Ruta, M., Klembara, J., Böhme, M. (2017): 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.

WoS: IF₂₀₁₇: 2,326; Q1 (6/55) in Paleontology; Q3 (31/49) in Evolutionary Biology

Ivanov, M., Vasilyan, D., Böhme, M., Zazhigin, V.S. (2018): Miocene snakes from northeastern Kazakhstan: new data on the evolution of snake assemblages in Siberia. *Historical Biology*.

WoS: IF₂₀₁₇: 1,249; Q2 (28/56) in Paleontology

Jirman, P., Geršlová, E., Kalvoda, J., Melichar, R. (2018): 2D Basin Modelling in the Eastern Variscan Fold Belt (Czech Republic): Influence of Thrusting on Patterns of Thermal Maturation. *Journal of Petroleum Geology*, 41, 2, 175–188.

WoS: IF₂₀₁₇: 1,872; Q3 (99/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (71/189) in Geosciences, Multidisciplinary; Q2 (23/49) in Geography, Physical

Kopecká, J., Holcová, K., Nehyba, S., Hladilová, Š., Brzobohatý, R., Bitner, M.A. (2018): The earliest Badenian *Planostegina* bloom deposit: reflection of an unusual environment in the westernmost Carpathian Foredeep (Czech Republic). *Geological Quarterly*, 62, 1, 18–37.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Loun, J., Novák, M., Cempírek, J., Škoda, R., Vašinová Galiová, M., Prokeš, L., Dosbaba, M., Čopjaková, R. (2018): Geochemistry and secondary alterations of microlite from alluvial deposits in the Numbi area, S. Kivu, Democratic Republic of the Congo. *Canadian Mineralogist*, 56, 2, 203–220.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Monsef, M.A.E., Salem, I., Slobodník, M., Ragab, A. (2018): Fluid evolution of Au-Cu zones in Um Balad area North Eastern Desert of Egypt: Implication from mineral chemistry and fluid inclusions. *Journal of African Earth Sciences*, 143, 321–338.

WoS: IF₂₀₁₇: 1,532; Q3 (97/189) in Geosciences, Multidisciplinary

Musil, R., Děkanovský, O., Ivanov, M., Doláková, N., Mrázek, J., Juříčková, L., Lundberg, J. (2018): Dagmar Cave (Czech Republic, Moravian Karst), a unique palaeontological site of the Cromerian Interglacial. *Quaternary International*, in press.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

Nehyba, S. (2018): Lower Badenian coarse-grained Gilbert deltas in the southern margin of the Western Carpathian Foredeep basin. *Geologica Carpathica*, 69, 1, 89–113.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

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. (2017): 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.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (71/189) in Geosciences, Multidisciplinary; Q2 (23/49) in Geography, Physical

Novák, M., Chládek, Š., Uher, P., Gadas, P. (2018): Comple magmatic and subsolidus compositional trends of columbite–tantanite in the beryl–columbite Šejby granitic pegmatite, Czech Republic: role of crystal-structural constraints and associated minerals. *Journal of Geosciences*, 63, 253–263.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Petřík, J., Petr, L., Adameková, K., Prišťáková, M., Potůčková, A., Lendáková, Z., Fraczek, M., Dresler, P., Macháček, J., Kalickí, T., Lisá, L. (2018): Disruption in an alluvial landscape: settlement and environment dynamics in the Alluvium of the river Dyje at the Pohansko archaeological site (Czech Republic). *Quaternary International*, in press.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

Petřík, J., Prokeš, L., **Všianský, 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.

WoS: IF₂₀₁₇: 2,414; Q2 (69/189) in Geosciences, Multidisciplinary

Pokorný, R., Edwards, K.J., **Krmíček, L., Všianský, 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.

WoS: IF₂₀₁₇: 1,616; Q3 (35/49) in Geography, Physical; Q2 (17/47) in Geology

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.

WoS: IF₂₀₁₇: 2,638; Q2 (59/189) in Geosciences, Multidisciplinary; Q2 (21/49) in Geography, Physical

Rak, Š., Broda, K., **Kumpan, T.** (2018): First Carboniferous thylacocephalan from Europe and its significance for the understanding of functional morphology of Concavacarididae Schram, 2014. *Crustaceana*, 91, 3, 265–285.

WoS: IF₂₀₁₇: 0,517; Q4 (95/106) in Marine & Freshwater Biology

Raška, P., Pokorný, R., **Krmíček, L., Kuboušková, S.,** Mortensen, L. (2018): Basaltic Dyke with Specific Volcanogenic Structures and its geomorphic evolution: Unique Geoheritage of the Faroe Islands (North Atlantic Ocean). *Geoheritage*, 1–10.

WoS: IF₂₀₁₇: 2,333; Q2 (75/189) in Geosciences, Multidisciplinary

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*.

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

Scribner, E.D., Groat, L.A., **Cempírek, J.** (2018): Mineralogy of Ti-bearing, Al-deficient tourmaline assemblages associated with lamprophyre dikes near the O'Grady Batholith, Northwest Territories, Canada. *Journal of Geosciences*, 63, 2, 123–135.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Sokol, L., Melichar, R., Baroň, I. (2018): Present-day stress inversion from a single near-surface fault: A novel mathematical approach. *Journal of Structural Geology*, 117, 163–167.

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

Svoboda, J., Pokorný, P., Horáček, I., Sázelová, S., Abrahám, V., Divišová, M., **Ivanov, M.,** Kozáková, R., Novák, J., Novák, M., Šída, P., Perri, A.R. (2018): Late Glacial and Holocene sequences in rockshelters and adjacent wetlands of Northern Bohemia, Czech Republic: Correlation of environmental and archaeological records. *Quaternary International*, 465, Part B, 234–250.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

Škoda, R., Plášil, J., **Čopjaková, R., Novák, M.,** Jonsson, E. Vašinová Galiová, M., Holtstam, D. (2018): Gadolinite-(Nd), a new member of the gadolinite supergroup from Fe-REE deposit of Bastnäs-type, Sweden. *Mineralogical Magazine*, 82, 133–145.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Šolcová, A., Petr, L., Hájková, P., **Petřík, J.,** Tóth, P., Rohovec, J., Bátora, J., Horsák, M. (2018): Early and middle Holocene ecosystem changes at the Western Carpathian/Pannonian border riven by climate and Neolithic impact. *Boreas*, 47, 3, 897–909.

WoS: IF₂₀₁₇: 2,638; Q2 (59/189) in Geosciences, Multidisciplinary; Q2 (21/49) in Geography, Physical

Toman, J., Novák, M. (2018): Textural Relations and Chemical Composition of Minerals from a Pollucite + Harmotome + Chabazite Nodule in the Věžná I Pegmatite, Czech Republic. *Canadian Mineralogist*, 56, 4, 375–392.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Ulrych, J., **Krmíček, L.**, Teschner, C., Skála, R., Adamovič, J., Ďurišová, J., Křížová, Š., **Kuboušková, S.**, Radoň, M. (2018): Chemistry and Sr–Nd isotope signature of amphiboles of the magnesio-hastingsite-pargasite-kaersutite series in Cenozoic volcanic rocks: Insight into lithospheric mantle beneath the Bohemian Massif. *Lithos*, 312–313, 308–321.

WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics

Vöröš, D., Díaz-Somoano, M., **Geršlová, E.**, Sýkorová, I., Suárez-Ruiz, I. (2018): Mercury contamination of stream sediments in the North Bohemian Coal District (Czech Republic): Mercury speciation and the role of organic matter. *Chemosphere*, 211, 664–673.

WoS: IF₂₀₁₇: 4,427; **Q1** (34/241) in Environmental Sciences

Vöröš, D., **Geršlová, E.**, Díaz-Somoano, M., Sýkorová, I., Suárez-Ruiz, I., Havelcová, M., Kuta, J. (2018): Distribution and Mobility Potential of Trace Elements in the Main Seam of the Most Coal Basin. *International Journal of Coal Geology*, 196, 139–147.

WoS: IF₂₀₁₇: 4,130; **Q1** (17/190) in Geosciences, Multidisciplinary; **Q2** (26/97) in Energy & Fuels

Všianský, D., Ůzbal, R., **Gregerová, M.**, Kynický, J. (2018): Interregional contacts in the Halaf Period: archaeometric analyses of pottery from Tell Kurdu, Turkey. *Archaeological and Anthropological Sciences*, 1–21.

WoS: IF₂₀₁₇: 2,414; **Q2** (69/189) in Geosciences, Multidisciplinary

Weiner, T., **Weinerová, H.**, **Kalvoda, J.** (2018): Microproblematika, calcareous algae, and microbialites at the Frasnian-Famennian boundary interval in the Šumbera section (Moravian Karst, Czech Republic) and their significance in the context of the Kellwasser Crisis. *Facies*, 64, 4, nestránkováno.

WoS: IF₂₀₁₇: 1,367; **Q2** (20/47) in Geology; **Q2** (25/55) in Paleontology

Wertich, V., **Leichmann, J.**, Dosbaba, M., Götze, J. (2018): Multi-Stage Evolution of Gold-Bearing Hydrothermal Quartz Veins at the Mokrsko Gold Deposit (Czech Republic) Based on Cathodoluminescence, Spectroscopic, and Trace Elements Analyses. *Minerals*, 8, 8, 336.

WoS: IF₂₀₁₇: 1,835; **Q2** (13/29) in Mineralogy; **Q2** (7/20) in Mining & Mineral Processing

Zimák, J., **Štelcl, J.**, **Všianský, D.** (2018): Reflectance colourimetry as a method for estimating the approximate quantity of non-carbonate components in limestones: A case study in the Mokrý Quarry (Czech Republic). *Catena*, 169, 90–95.

WoS: IF₂₀₁₇: 3,256; **Q1** (39/189) in Geosciences, Multidisciplinary; **Q1** (7/34) in Soil Science; **Q1** (10/90) in Water Resources

2017 (celkem 47 článků, 15 studentů spoluautorů – červeně)

Belley, P.M., Dzikowski, T.J., Fagan, A., **Cempírek, J.**, Groat, L.A., Mortensen, J.K., Fayek, M., Giuliani, G., Fallick, A.E., Gertzbein, P. (2017): Origin of scapolite-hosted sapphire (corundum) near Kimmirut, Baffin Island, Nunavut, Canada. *Canadian Mineralogist*, 55, 4, 669–699.

WoS: IF₂₀₁₇: 0,945; **Q4** (25/29) in Mineralogy

Bosi, F., Skogby, H., Ciriotti, M.E., **Gadas, P.**, **Novák, M.**, **Cempírek, J.**, **Všianský, D.**, Filip, J. (2017): Lucchesiite, $\text{CaFe}_3^{2+}\text{Al}_6(\text{Si}_6\text{O}_{18})(\text{BO}_3)_3(\text{OH})_3\text{O}$, a new mineral species of the tourmaline supergroup. *Mineralogical Magazine*, 81, 1, 1–14.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

Breiter, K., **Škoda, R.** (2017): Zircon and whole-rock Zr/Hf ratios as markers of the evolution of granitic magmas: Examples from the Teplice caldera (Czech Republic/Germany). *Mineralogy and Petrology*, 111, 4, 435–457.

WoS: IF₂₀₁₇: 1,664; **Q3** (46/85) in Geochemistry & Geophysics; **Q3** (17/29) in Mineralogy

Čurda, M., Goliáš, V., Klementová, M., Strnad, L., Matěj, Z., **Škoda, R.** (2017): Radiation damage in sulfides: Radioactive galena from burning heaps, after coal mining in the Lower Silesian basin (Czech Republic). *American Mineralogist*, 102, 9, 1788–1795.

WoS: IF₂₀₁₇: 2,645; **Q2** (9/29) in Mineralogy; **Q2** (33/85) in Geochemistry & Geophysics

Dill, H., Škoda, R. (2017): Provenance analysis of heavy minerals in beach sands (Falkland Islands/Islands Malvinas) – A view to mineral deposits and the geodynamics of the South Atlantic Ocean. *Journal of South American Earth Sciences*, 78, 17–37.

WoS: IF₂₀₁₇: 1,639; Q3 (112/189) in Geosciences, Multidisciplinary

Filipská, P., Zeman, J., Všianský, D., Honty, M., Škoda, R. (2017): Key processes of long-term bentonite-water interaction at 90°C: Mineralogical and chemical transformations. *Applied Clay Science*, 150, 234–243.

WoS: IF₂₀₁₇: 3,641; Q1 (5/29) in Mineralogy; Q1 (68/285) in Materials Science, Multidisciplinary; Q2 (52,146) in Chemistry, Physical

Goldbach, M., Geršlová, E., Misz-Kennan, M., Nehyba, S. (2017): Thermal maturity of Miocene organic matter from the Carpathian Foredeep in the Czech Republic: 1D and 3D models. *Marine and Petroleum Geology*, 88, 18–29.

WoS: IF₂₀₁₇: 3,281; Q1 (37/189) in Geosciences, Multidisciplinary

Hošek, J., Lisá, L., Ulrich, H., Petr, L., Vejrostová, L., Bajer, A., Matys Grygar, T., Piotr, M., Gottvald, Z., Horsák, M. (2017): Middle Pleniglacial pedogenesis on the northwestern edge of the Carpathian basin: A multidisciplinary investigation of the Biňa pedo-sedimentary section, SW Slovakia. *Palaeogeography Palaeoclimatology Palaeoecology*, 487, 321–339.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (71/189) in Geosciences, Multidisciplinary; Q2 (23/49) in Geography, Physical

Hurai, V., Huraiová, M., Gajdošová, M., Konečný, P., Slobodník, M., Siegfried, P.R. (2017): Compositional variations of zirconolite from the Evate apatite deposit (Mozambique) as an indicator of magmatic-hydrothermal conditions during post-orogenic collapse of Gondwana. *Mineralogy and Petrology*, 112, 3, 279–296.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

Hurai, V., Paquette, J.-L., Huraiová, M., Slobodník, M., Hvožd'ara, P., Siegfried, P., Gajdošová, M., Milovská, S. (2017): New insights into the origin of the Evate apatite-iron oxide-carbonate deposit, Northeastern Mozambique, constrained by mineralogy, textures, thermochronometry, and fluid inclusions. *Ore Geology Reviews*, 80, 1072–1091.

WoS: IF₂₀₁₇: 3,993; Q1 (3/47) in Geology; Q1 (3/29) in Mineralogy; Q1 1/20) in Mining & Mineral Processing

Hussein, H.A.I., Říčka, A., Kuchovský, T., El Osta, M.M. (2017): Groundwater hydrochemistry and origin in the south-eastern part of Wadi El Natrun, Egypt. *Arabian Journal of Geosciences*, 10, 7, nestránkováno.

WoS: IF₂₀₁₇: 0,860; Q4 (167/189) in Geosciences, Multidisciplinary

Choudhuri, M., Němčok, M., Melichar, R., Sinha, N. (2017): Propagation of hotspot volcanism driven flexure in oceanic crust – 85°E Ridge case study. *Marine and Petroleum Geology*, 82, 134–153.

WoS: IF₂₀₁₇: 3,281; Q1 (37/189) in Geosciences, Multidisciplinary

Ivanov, M., Čerňanský, A. (2017): *Vipera berus* (Linnaeus, 1758) remains from the Late Pleistocene of Slovakia. *Amphibia-Reptilia*, 38, 2, 133–144.

WoS: IF₂₀₁₇: 1,105; Q2 (83/166) in Zoology

Kaiser, S., Kumpan, T., Cígler, V. (2017): New unornamented siphonodellids (Conodonta) of the lower Tournaisian from the Rhenish Massif and Moravian Karst (Germany and Czech Republic). *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen*, 286, 1, 1–33.

WoS: IF₂₀₁₇: 0,760; Q4 (48/55) in Paleontology

Kampf, A., Plášil, J., Čejka, J., Marty, J., Škoda, R., Lapčák, L. (2017): Alwilkinsite-(Y), a new rare-earth uranyl sulfate mineral from the Blue Lizard mine, San Juan County, Utah, USA. *Mineralogical Magazine*, 81, 4, 895–907.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Klus, J., Pořízka, P., Procházka, D., Mikysek, P., Novotný, J., Novotný, K., Slobodník, M., Kaiser, J. (2017): Application of self-organizing maps to the study of U-Zr-Ti-Nb distribution in sandstone-hosted uranium ores. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 131, 66–73.

WoS: IF₂₀₁₇: 2,854; Q1 (10/42) in Spectroscopy

Křížek, M., Krbcová, K., Mida, P., **Hanáček, M.** (2017): Micromorphological changes as an indicator of the transition from glacial to glaciofluvial quartz grains: Evidence from Svalbard. *Sedimentary Geology*, 358, 35–43.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

Kuchovský, T., Říčka, A., Grycz, D. (2017): Using numerical modelling to understand the discharge from a flooded abandoned underground mine. *Mine Water and the Environment*, 36, 4, 606–616.

WoS: IF₂₀₁₇: 1,521; Q3 (57/90) in Water Resources

Lake, D.J., Groat, L.A., Falck, H., Mulja, T., **Cempírek, J.**, Kontak, D., Marshall, D., Giuliani, G., Fayek, M. (2017): Genesis of emerald-bearing quartz veins associated with the Lened W-skarn mineralization, Northwest Territories, Canada. *Canadian Mineralogist*, 55, 4, 561–593.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Lang, M., Faimon, J., Pracný, P., Kejíková, S. (2017): A show cave management: Anthropogenic CO₂ in atmosphere of Výпустek Cave (Moravian Karst, Czech Republic). *Journal for Nature Conservation*, 35, 40–52.

WoS: IF₂₀₁₇: 1,971; Q2 (25/55) in Biodiversity Conservation; Q3 (86/158) in Ecology

Lang, M., Faimon, J., Godissart, J., Ek, C. (2017): Carbon dioxide seasonality in dynamically ventilated caves: the role of advective fluxes. *Theoretical and Applied Climatology*, 129, 3-4, 1355–1372.

WoS: IF₂₀₁₇: 2,321; Q2 (32/86) in Meteorology & Atmospheric Sciences

Lang, M., Faimon, J., Kejíková, S. (2017): The impact of door opening on CO₂ levels: A case study from the Balcarka Cave (Moravian Karst, Czech Republic). *International Journal of Speleology*, 46, 3, 345–358.

WoS: IF₂₀₁₇: 1,392; Q4 (132/189) in Mineralogy

Leichmann, J., Gnojek, I., **Novák, M.**, Sedlák, J., Houzar, S. (2017): Durbachites from the Eastern Moldanubicum (Bohemian Massif): erosional relics of large, flat tabular intrusions of ultrapotassic melts-geophysical and petrological record. *International Journal of Earth Sciences*, 106, 1, 59–77.

WoS: IF₂₀₁₇: 2,276; Q2 (81/189) in Geosciences, Multidisciplinary

Nasdala, L., Corfu, F., Blaimauer, D., Chanmuang, C., Ruschel, K., **Škoda, R.**, Wildner, M., Wirth, R., Zeug, M., Zoysa, E.G. (2017): Neoproterozoic amorphous “ekanite” (Ca₂Th_{0.9}U_{0.1}Si₈O₂₀) from Okkampitiya, Sri Lanka: A metamict gemstone with excellent lead-retention performance. *Geology*, 45, 10, 919–922.

WoS: IF₂₀₁₇: 5,073; Q1 (1/47) in Geology

Nehyba, S., Hanáček, M., Engel, Z., Stachoň, Z. (2017): Rise and fall of a small ice-dammed lake – role of deglaciation processes and morphology. *Geomorphology*, 295, 662–679.

WoS: IF₂₀₁₇: 3,308; Q1 (35/189) in Geosciences, Multidisciplinary; Q2 (13/49) in Geography, Physical

Nehyba, S., Opletal, V. (2017): Sedimentological study of the Nikolčice Formation – evidence of the Middle Jurassic transgression onto the Bohemian Massif (subsurface data). *Geological Quarterly*, 61, 1, 138–155.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Nejman, L., Wood, R., Wright, D., **Lisá, L.**, Nerudová, Z., Neruda, P., **Přichystal, A.**, Svoboda, J. (2017): Hominid visitation of the Moravian Karst during the Middle-Upper Paleolithic transition: New results from Pod Hradem Cave (Czech Republic). *Journal of Human Evolution*, 108, 131–146.

WoS: IF₂₀₁₇: 3,992; Q2 (13/49) in Evolutionary Biology

Novák, A., Bábek, O., Kapusta, J. (2017): Late Quaternary tectonic switching of siliciclastic provenance in the strike-slip dominated foreland of the Western Carpathians; Upper Morava Basin, Bohemian Massif. *Sedimentary Geology*, 355, 58–74.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

Novák, M., Cícha, J., **Čopjaková, R.**, **Škoda, R.**, Vašinová Galiová, M. (2017): Milarite-group minerals from the NYF pegmatite Velká skála, Písek district, Czech Republic: sole carriers of Be from the magmatic to hydrothermal stage. *European Journal of Mineralogy*, 29, 4, 755–766.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

Novák, M., Prokop, J., Losos, Z., Macek, I. (2017): Tourmaline, an indicator of external Mg-contamination of granitic pegmatites from host serpentinite; examples from the Moldanubian Zone, Czech Republic. *Mineralogy and Petrology*, 111, 4, 625–641.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in *Geochemistry & Geophysics*; Q3 (17/29) in *Mineralogy*

Olds, T., Plášil, J., Kampf, A., **Škoda, R.**, Burns, P., Čejka, J., Bourgoïn, V., Boulliard, J.-C. (2017): Gauthierite, $\text{KPb}[(\text{UO}_2)_7\text{O}_5(\text{OH})_7] \cdot 8\text{H}_2\text{O}$, a new uranyl-oxide hydroxy-hydrate mineral from Shinkolobwe with a novel uranyl-anion sheet-topology. *European Journal of Mineralogy*, 29, 1, 129–141.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in *Mineralogy*

Plášil, J., Škacha, P., Sejkora, J., **Škoda, R., Novák, M.**, Veselovský, F., Hloušek, J. (2017): Babanekite, $\text{Cu}_3(\text{AsO}_4)_2 \cdot 8\text{H}_2\text{O}$, from Jáchymov, Czech Republic – a new member of the vivianite group. *Journal of Geosciences*, 62, 4, 261–270.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in *Geochemistry & Geophysics*; Q3 (18/29) in *Mineralogy*

Plášil, J., **Škoda, R.** (2017): Crystal structure of the (REE)-uranyl carbonate mineral shabaite-(Nd). *Journal of Geosciences*, 62, 2, 97–105.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in *Geochemistry & Geophysics*; Q3 (18/29) in *Mineralogy*

Plášil, J., Čejka, J., Sejkora, J., Hloušek, J., **Škoda, R., Novák, M.**, Dušek, M., Císařová, I., Němec, I., Ederová, J. (2017): Línekite, $\text{K}_2\text{Ca}_3[(\text{UO}_2)(\text{CO}_3)_3]_2 \cdot 8\text{H}_2\text{O}$, a new uranyl carbonate mineral from Jáchymov, Czech Republic. *Journal of Geosciences*, 62, 3, 201–213.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in *Geochemistry & Geophysics*; Q3 (18/29) in *Mineralogy*

Plášil, J., Škacha, P., Sejkora, J., Kampf, A., **Škoda, R.**, Čejka, J., Hloušek, J., Kasatkin, A., Pavlíček, R., Babka, K. (2017): Plavnoite, a new K-Mn member of the zippeite group from Jáchymov, Czech Republic. *European Journal of Mineralogy*, 29, 1, 117–128.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in *Mineralogy*

Pokorný, R., **Krmíček, L.**, Sudo, M. (2017): An endemic ichnoassemblage from a late Miocene paleolake in SE Iceland. *Palaeogeography Palaeoclimatology Palaeoecology*, 485, 761–773.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in *Paleontology*; Q2 (71/189) in *Geosciences, Multidisciplinary*; Q2 (23/49) in *Geography, Physical*

Pořízka, P., Kaskí, S., Hrdlička, A., Modlitbová, P., Sládková, L., Heikki, H., Procházka, D., **Gadas, P.**, Čelko, L., Novotný, K., Kaiser, J., Novotný, J. (2017): Detection of fluorine using laser-induced breakdown spectroscopy and Raman spectroscopy. *Journal of Analytical Atomic Spectrometry*, 32, 10, 1966–1974.

WoS: IF₂₀₁₇: 3,608; Q1 (4/42) in *Spectroscopy*; Q1 (13/80) in *Chemistry, Analytical*

Pracný, P., Faimon, J., Všíanský, D., Kabelka, L. (2017): Evolution of Mg/Ca ratios during limestone dissolution under epikarstic conditions. *Aquatic Geochemistry*, 23, 2, 119–139.

WoS: IF₂₀₁₇: 1,418; Q3 (50/85) in *Geochemistry & Geophysics*

Scribner, E.D., Groat, L.A., **Cempírek, J.** (2017): Mineralogy of the Ash Mountain Sn-bearing skarn, Tuya Range, northern British Columbia, Canada. *Canadian Mineralogist*, 55, 2, 333–347.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in *Mineralogy*

Sedláková, I., Geršlová, E., Uhlík, P., Opletal, V. (2017): Mineralogical characteristics of upper Jurassic Mikulov Marls, the Czech Republic, in relation to their thermal maturity. *Chemie der Erde - Geochemistry*, 77, 1, 159–167.

WoS: IF₂₀₁₇: 1,723; Q3 (45/85) in *Geochemistry & Geophysics*

Slavíček, K., Petřík, J., Žaža, P., Mitáš, V., Furfánek, V. (2017): Technological and provenance analyses of the south-eastern Urnfield culture pottery from the sites of Cinobaňa and Málinec (Poltár region, Slovakia). *Praehistorische Zeitschrift*, 92, 1, 162–175.

WoS: IF₂₀₁₇: 0,750; Q3 (49/85) in *Anthropology*

Talla, D., Beran, A., **Škoda, R.**, Losos, Z. (2017): Polarized FTIR spectroscopic examination on hydroxylation in the minerals of the wolframite group, $(\text{Fe,Mn,Mg})[\text{W},(\text{Nb,Ta})][\text{O},(\text{OH})]_4$. *American Mineralogist*, 102, 4, 867–875.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Tolokonnikova, Z., Kalvoda, J., Kumpan, T. (2017): An early Tournaisian (Mississippian) bryozoan fauna from the Moravian Karst (Rhenohercynian Zone, Czech Republic). *Geobios*, 50, 4, 341–348.

WoS: IF₂₀₁₇: 1,205; Q3 (30/55) in Paleontology

Výravský, J., Novák, M., Škoda, R. (2017): Formation of pretulite (ScPO₄) by recrystallization of Sc-rich precursors in Dolní Bory pegmatite: Evidence for different mobility of Sc, Y, REE and Zr in hydrothermal conditions. *Chemical Geology*, 449, 30–40.

WoS: IF₂₀₁₇: 3,570; Q1 (19/85) in Geochemistry & Geophysics

Weiner, T., Kalvoda, J., Kumpan, T., Schindler, E., Šimíček, D. (2017): An Integrated Stratigraphy of the Frasnian-Famennian Boundary Interval (Late Devonian) in the Moravian Karst (Czech Republic) and Kellerwald (Germany). *Bulletin of Geosciences*, 92, 2, 257–281.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Weinerová, H., Hron, K., Bábek, O., Šimíček, D., Hladil, J. (2017): Quantitative allochem compositional analysis of Lochkovian-Pragian boundary sections in the Prague Basin (Czech Republic). *Sedimentary Geology*, 354, 43–59.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

Zietlow, P., Beirau, T., Mihailova, B., Groat, L., Chudy, T., Shelyug, A., Navrotsky, A., Ewing, R., Schluter, J., Škoda, R., Bismayer, U. (2017): Thermal annealing of natural, radiation-damaged pyrochlore. *Zeitschrift für Kristallographie – Crystalline Materials*, 232, 1-3, 25–38.

WoS: IF₂₀₁₇: 1,263; Q3 (18/26) in Crystallography

2016 (celkem 42 článků, 24 studentů spoluautorů – červeně)

Bábek, O., Kumpan, T., Kalvoda, J., Matys Grygar, T. (2016): Devonian/Carboniferous boundary glacioeustatic fluctuations in a platform-to-basin direction: A geochemical approach of sequence stratigraphy in pelagic settings. *Sedimentary Geology*, 337, 81–99.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

Benedová, Š., Leichmann J. (2016): Experimental study of anisotropy of quartz dissolution and its role in fluid migration in rocks. *Acta Geodynamica et Geomaterialia*, 13, 2, 193–200.

WoS: IF₂₀₁₇: 0,886; Q4 (71/85) in Geochemistry & Geophysics; Q3 (15/20) in Mining & Mineral Processing

Brzobohatý, R., Kalvoda, J., Frýda, J., Erban, V. (2016): Strontium isotope record of the Hygophum hygommii otoliths from the European middle Miocene. *Geobios*, 49, 5, 349–354.

WoS: IF₂₀₁₇: 1,205; Q3 (30/55) in Paleontology

Buriánek, D., Dolníček, Z., Novák, M. (2016): Textural and compositional evidence for a polyphase saturation of tourmaline in granitic rocks from the Třebíč Pluton (Bohemian Massif). *Journal of Geosciences*, 61, 4, 309–334.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Cempírek, J., Grew, E.S., Kampf, A.R., Ma, C., Novák, M., Gadas, P., Škoda, R., Vašinová Galiová, M., Pezzotta, F., Groat, L.A., Krivovichev, S.V. (2016): Vranaite, ideally Al₁₆S₄Si₄O₃₈, a new mineral related to boralsilite, Al₁₆B₆Si₂O₃₇, from the Manjaka pegmatite, Sahatany Valley, Madagascar. *American Mineralogist*, 101, 9-10, 2108–2117.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Černý, J., Ramírez-Herrera, M.T., Bógalo, M.-F., Goguitchaichvili, A., Castillo-Aja, R., Morales, J., Sanchez-Cabeza, J.A., Ruiz-Fernández, A.C. (2016): Magnetic record of extreme marine inundation events at Las Salinas site, Jalisco, Mexican Pacific coast. *International Geology Review*, 58, 3, 342–357.

WoS: IF₂₀₁₇: 2,875; Q1 (7/47) in Geology

- Domínguez-Bella, S., Cassen, S., Pétrequin, P., **Přichystal, A.**, Martinez, J., Ramos, J., Medina, N. (2016): Aroche (Huelva, Andalucía): a new Neolithic axehead of Alpine jade in the southwest of the Iberian Peninsula. *Archaeological and Anthropological Sciences*, 8, 1, 205–222.
WoS: IF₂₀₁₇: 2,414; **Q2** (69/189) in Geosciences, Multidisciplinary
- Fačevicová, K., **Bábek, O.**, Hron, K., **Kumpan, T.** (2016): Element chemostratigraphy of the Devonian/Carboniferous boundary – A compositional approach. *Applied Geochemistry*, 75, 211–221.
WoS: IF₂₀₁₇: 2,414; **Q2** (69/189) in Geosciences, Multidisciplinary
- Faimon, J.**, Bodlákova, R., **Pracný, P.**, Hebelka, J. (2016): Transfer of climatic variables by dripwater: a case study from Kateřinská Cave (Moravian Karst). *Environmental Earth Sciences*, 75, 16, nestránkováno.
WoS: IF₂₀₁₇: 1,435; **Q3** (159/241) in Environmental Sciences; **Q3** (127/189) in Geosciences, Multidisciplinary; **Q3** (60/90) in Water Resources
- Faryad, S.W., Collett, S., Finger, F., Sergeev, S.A., **Čopjaková, R.**, Siman, P. (2016): The Kabul Block (Afghanistan), a segment of the Columbia Supercontinent, with a Neoproterozoic metamorphic overprint. *Gondwana Research*, 34, 221–240.
WoS: IF₂₀₁₇: 5,657; **Q1** (6/189) in Geosciences, Multidisciplinary
- Francírek, M.**, **Nehyba, S.** (2016): Evolution of the passive margin of the peripheral foreland basin: an example from the Lower Miocene Carpathian Foredeep (Czech Republic). *Geologica Carpathica*, 67, 1, 41–68.
WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary
- Fridrichová, J., Bačík, P., Illašová, L., Kozáková, P., **Škoda, R.**, Pulišová, Z., Fiala, A. (2016): Raman and optical spectroscopic investigation of gem-quality smoky quartz crystals. *Vibrational Spectroscopy*, 85, 71–78.
WoS: IF₂₀₁₇: 1,363; **Q3** (55/80) in Chemistry, Analytical; **Q4** (116/146) in Chemistry, Physical; **Q3** (28/42) in Spectroscopy
- Fridrichová, J., Bačík, P., Bizovska, V., Libowitzky, E., **Škoda, R.**, Uher, P., Ozdín, D., Števkó, M. (2016): Spectroscopic and bond-topological investigation of interstitial volatiles in beryl from Slovakia. *Physics and Chemistry of Minerals*, 43, 6, 419–437.
WoS: IF₂₀₁₇: 1,679; **Q3** (171/285) in Materials Science; **Q3** (16/29) in Mineralogy
- Gadas, P.**, **Novák, M.**, Szuszkiewicz, A., Szeleg, E., Vašinová Galiová, M., **Haifler, J.** (2016): Magnesium-rich Na,Be,Li-rich sekaninaite from miarolitic pegmatite at Zimnik, Strzegom-Sobotka Massif, Sudetes, Poland. *Canadian Mineralogist*, 54, 4, 971–987.
WoS: IF₂₀₁₇: 0,945; **Q4** (25/29) in Mineralogy
- Geršlová, E.**, **Goldbach, M.**, Geršl, M., Skupien, P. (2016): Heat flow evolution, subsidence and erosion in Upper Silesian Coal Basin, Czech Republic. *International Journal of Coal Geology*, 154-155, 30–42.
WoS: IF₂₀₁₇: 4,130; **Q1** (17/189) in Geosciences, Multidisciplinary; **Q2** (26/97) in Energy & Fuels
- Goliáš, V., Tumurkhuu, G., Kohn, P., Šálek, O., Plášil, J., **Škoda, R.**, Soumar, J. (2016): Construction of new houses on a uranium vein outcrop: a case study from the Czech Republic. *Nukleonika*, 61, 3, 343–349.
WoS: IF₂₀₁₇: 0,720; **Q4** (36/45) in Chemistry, Inorganic & Nuclear; **Q4** (19/20) in Physics, Nuclear
- Haifler, J.**, **Kotková, J.** (2016): UHP-UHT peak conditions and near-adiabatic exhumation path of diamond-bearing garnet-clinopyroxene rocks from the Eger Crystalline Complex, North Bohemian Massif. *Lithos*, 248-251, 366–381.
WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics
- Havelcová, M., Machovič, V., Linhartová, M., Lapčák, L., **Přichystal, A.**, Dvořák, Z. (2016): Vibrational spectroscopy with chromatographic methods in molecular analyses of Moravian amber samples (Czech Republic). *Microchemical Journal*, 128, 153–160.
WoS: IF₂₀₁₇: 2,746; **Q2** (23/80) in Chemistry, Analytical
- Hrabovský, J.**, Basso, D., **Doláková, N.** (2016): Diagnostic characters in fossil coralline algae (Corallinophycidae: Rhodophyta) from the Miocene of southern Moravia (Carpathian Foredeep, Czech Republic). *Journal of Systematic Palaeontology*, 14, 6, 499–525.
WoS: IF₂₀₁₇: 2,326; **Q1** (6/55) in Paleontology; **Q3** (31/49) in Evolutionary Biology

Klus, J., **Mikysek, P.**, Procházka, D., Pořízka, P., Procházková, P., Novotný, J., Trojek, T., Novotný, K., **Slobodník, M.**, Kaiser, J. (2016): Multivariate approach to the chemical mapping of uranium in sandstone-hosted uranium ores analyzed using double pulse Laser-Induced Breakdown Spectroscopy. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 123, 143–149.

WoS: IF₂₀₁₇: 2,854; **Q1** (10/42) in Spectroscopy

Kociánová, L., **Melichar, R.** (2016): OATools: An ArcMap add-in for the orientation analysis of geological structures. *Computers & Geosciences*, 87, 67–75.

WoS: IF₂₀₁₇: 2,567; **Q2** (62/190) in Geosciences, Multidisciplinary; **Q2** (37/105) in Computer Science, Interdisciplinary Applications

Kuboušková, S., **Krmíček, L.**, Coufalík, P., Pokorný, R. (2016): Petrological and geochemical characteristics of Palaeogene low-rank coal on the Faroe Islands: restricted effects of alteration by basaltic lava flows. *International Journal of Coal Geology*, 165, 157–172.

WoS: IF₂₀₁₇: 4,130; **Q1** (17/189) in Geosciences, Multidisciplinary; **Q2** (26/97) in Energy & Fuels

Magna, T., **Novák, M.**, **Cempírek, J.**, Janoušek, V., Ullmann, C.V., Wiechert, U. (2016): Crystallographic control on lithium isotope fractionation in Archean to Cenozoic lithium-cesium-tantalum pegmatites. *Geology*, 44, 8, 655–658.

WoS: IF₂₀₁₇: 5,073; **Q1** (1/47) in Geology

Matysová, P., Gotze, J., **Leichmann, J.**, **Škoda, R.**, Strnad, L., Drahota, P., Matys Grygar, T. (2016): Cathodoluminescence and LA-ICP-MS chemistry of silicified wood enclosing wakefieldite – REEs and V migration during complex diagenetic evolution. *European Journal of Mineralogy*, 28, 5, 869–887.

WoS: IF₂₀₁₇: 1,190; **Q4** (22/29) in Mineralogy

Nehyba, S., Opletal, V. (2016): Depositional environment and provenance of the Gresten Formation (Dogger) on the southeastern slopes of the Bohemian Massif (Czech Republic, subsurface data). *Austrian Journal of Earth Sciences*, 109, 2, 262–276.

WoS: IF₂₀₁₇: 0,620; **Q4** (179/189) in Geosciences, Multidisciplinary

Nehyba, S., Holcová, K., Gedl, P., **Doláková, N.** (2016): The Lower Badenian transgressive-regressive cycles – a case study from Oslavany (Carpathian Foredeep, Czech Republic). *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen*, 279, 2, 209–238.

WoS: IF₂₀₁₇: 0,760; **Q4** (48/55) in Paleontology

Nerudová, Z., **Doláková, N.**, Novák, J. (2016): New information augmenting the picture of local environment at the LGM/LGT in the context of the Middle Danube region. *Holocene*, 26, 9, 1345–1354.

WoS: IF₂₀₁₇: 2,419; **Q2** (68/189) in Geosciences, Multidisciplinary; **Q2** (22/79) in Geography, Physical

Pabst, W., Gregorová, E., Kloužek, J., Kloužková, A., Zemanová, P., Kohoutková, M., Sedlářová, I., Lang, K., Kotouček, M., Nevřivová, L., **Všianský, D.** (2016): High-temperature Young's moduli and dilatation behavior of silica refractories. *Journal of the European Ceramic Society*, 36, 1, 209–220.

WoS: IF₂₀₁₇: 3,794; **Q1** (1/27) in Materials Science, Ceramics

Pagano, D.S., Galliski, M.Á., Márquez-Zavalía, M.F., **Novák, M.**, **Škoda, R.** (2016): Petrography, mineralogy, and origin of the syenite pegmatitic segregation veins from La Peña Alkaline Complex, Mendoza, Argentina. *Canadian Mineralogist*, 54, 4, 803–825.

WoS: IF₂₀₁₇: 0,945; **Q4** (25/29) in Mineralogy

Petrík, J., Prokeš, L., **Všianský, D.**, Salaš, M., Nikolajev, P. (2016): 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.

WoS: IF₂₀₁₇: 2,414; **Q2** (69/189) in Geosciences, Multidisciplinary

Petrík, J., Sosna, D., Prokeš, L., Štefanisko, D., Galeta, P. (2016): Shape matters: assessing regional variation of Bell Beaker projectile points in Central Europe using geometric morphometrics. *Archaeological and Anthropological Sciences*, 10, 4, 893–904.

WoS: IF₂₀₁₇: 2,414; **Q2** (69/189) in Geosciences, Multidisciplinary

Pokorný, R., Štofík, M. (2016): Evidence of bioerosive structures in Quaternary glaciomarine sediments from SW Iceland. *Ichnos*, 24, 3, 204–221.

WoS: IF₂₀₁₇: 1,087; Q3 (34/55) in Paleontology

Pokrant, F., Kindler, C., **Ivanov, M.**, Cheylan, M., Geniez, P., Böhme, W., Fritz, U. (2016): Integrative taxonomy provides evidence for the species status of the Ibero-Maghrebian grass snake *Natrix astreptophora*. *Biological Journal of the Linnean Society*, 118, 4, 873–888.

WoS: IF₂₀₁₇: 2,532; Q3 (26/49) in Evolutionary Biology

Poukarová, H., Weiner, T. (2016): The first “osteolepiform” tetrapodomorph (Sarcopterygii) from the Paleozoic sequences of the Moravian Karst (Czech Republic). *Geological Quarterly*, 60, 3, 737–745.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Pracný, P., Faimon, J., Šrámek, O., Kabelka, L., Hebelka, J. (2016): Anomalous drip in the Punka caves (Moravian Karst): relevant implications for paleoclimatic proxies. *Hydrological Processes*, 30, 10, 1506–1520.

WoS: IF₂₀₁₇: 3,181; Q1 (13/90) in Water Resources

Pracný, P., Faimon, J., Kabelka, L., Hebelka, J. (2016): Variations of carbon dioxide in the air and dripwaters of Punkva Caves (Moravian Karst, Czech Republic). *Carbonates and Evaporites*, 31, 4, 375–386.

WoS: IF₂₀₁₇: 0,947; Q3 (29/47) in Geology

Přikryl, T., **Brzobohatý, R.**, Gregorová, R. (2016): Diversity and distribution of fossil codlets (Teleostei, Gadiformes, Bregmacerotidae): review and commentary. *Palaeobiodiversity and Palaeoenvironments*, 96, 1, 13–39.

WoS: IF₂₀₁₇: 1,229; Q3 (32/55) in Biodiversity Conservation; Q3 (29/55) in Paleontology

Radaideh, O.M.A., Grassemann, B., **Melichar, R.**, Mosar, J. (2016): Detection and analysis of morphotectonic features utilizing satellite remote sensing and GIS: an example in SW Jordan. *Geomorphology*, 275, 58–79.

WoS: IF₂₀₁₇: 3,308; Q1 (35/189) in Geosciences, Multidisciplinary; Q2 (13/49) in Geography, Physical

Ramírez-Herrera, M.T., Bógalo, M.-F., **Černý, J.**, Goguitchaichvili, A., Corona, N., Machain, M.L., Edwards, A.C., Sosa, S. (2016): Historic and ancient tsunamis uncovered on the Jalisco-Colima Pacific coast, the Mexican subduction zone. *Geomorphology*, 259, 90–104.

WoS: IF₂₀₁₇: 3,308; Q1 (35/189) in Geosciences, Multidisciplinary; Q2 (13/49) in Geography, Physical

Sedláček, J., **Bábek, O.**, Kielar, O. (2016): Sediment accumulation rates and high-resolution stratigraphy of recent fluvial suspension deposits in various fluvial settings, Morava River catchment area, Czech Republic. *Geomorphology*, 254, 73–87.

WoS: IF₂₀₁₇: 3,308; Q1 (35/189) in Geosciences, Multidisciplinary; Q2 (13/49) in Geography, Physical

Švecová, E., Čopjaková, R., Losos, Z., Škoda, R., Nasdala, Lutz, Cícha, J. (2016): Multi-stage evolution of xenotime-(Y) from Písek pegmatites, Czech Republic: an electron probe micro-analysis and Raman spectroscopy study. *Mineralogy and Petrology*, 110, 6, 747–765.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

Weiner, T., Kalvoda, J. (2015): Biostratigraphic and sedimentary record of the Annulata Events in the Moravian Karst (Famennian, Czech Republic). *Facies*, 62, 1, nestránkováno.

WoS: IF₂₀₁₇: 1,367; Q2 (20/47) in Geology; Q2 (25/55) in Paleontology

2015 (celkem 35 článků, 12 studentů spoluautorů – červeně)

Čopjaková, R., Škoda, R., Vašinová Galiová, M., **Novák, M., Cempírek, J.** (2015): Sc- and REE-rich tourmaline replaced by Sc-rich REE-bearing epidote-group mineral from the mixed (NYF plus LCT) Kracovice pegmatite (Moldanubian Zone, Czech Republic). *American Mineralogist*, 100, 7, 1434–1451.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

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

WoS: IF₂₀₁₇: 3,993; Q1 (3/47) in Geology; Q1 (3/29) in Mineralogy; Q1 (1/20) in Mining & Mineral Processing

Dolníček, Z., **Urubek, T.**, Kropáč, K. (2015): Post-magmatic hydrothermal mineralization associated with Cretaceous picraite (Outer Western Carpathians, Czech Republic): interaction between host rock and externally derived fluid. *Geologica Carpathica*, 61, 4, 327–339.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Fridrichová, J., Baččk, P., Rusinová, P., Antal, P., **Škoda, R.**, Bizovska, V., Miglierini, M. (2015): Optical and crystal-chemical changes in aquamarines and yellow beryls from Thanh Hoa province, Vietnam induced by heat treatment. *Physics and Chemistry of Minerals*, 42, 4, 287–302.

WoS: IF₂₀₁₇: 1,679; Q3 (171/285) in Materials Science, Multidisciplinary; Q3 (16/29) in Mineralogy

Geršlová, E., Opletal, V., Sýkorová, I., **Sedláková, I.**, Geršl, M. (2015): A geochemical and petrographical characterization of organic matter in the Jurassic Mikulov Marls from the Czech Republic. *International Journal of Coal Geology*, 141-142, 42–50.

WoS: IF₂₀₁₇: 4,130; Q1 (17/189) in Geosciences, Multidisciplinary; Q2 (26/97) in Energy & Fuels

Holcová, K., **Brzobohatý, R.**, Kopecká, J., **Nehyba, S.** (2015): Reconstruction of the unusual Middle Miocene (Badenian) palaeoenvironment of the Carpathian Foredeep (Lomnice/Tišnov denudational relict, Czech Republic). *Geological Quarterly*, 59, 4, 654–678.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Holcová, K., **Hrabovský, J.**, **Nehyba, S.**, Hladilová, Š., **Doláková, N.**, Demény, A. (2015): The Langhian (Middle Badenian) carbonate production event in the Moravian part of the Carpathian Foredeep (Central Paratethys): a multiproxy record. *Facies*, 61, 1, nestránkováno.

WoS: IF₂₀₁₇: 1,367; Q2 (20/47) in Geology; Q2 (25/55) in Paleontology

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.

WoS: IF₂₀₁₇: 3,422; Q2 (7/26) in Crystallography; Q2 (58/171) in Chemistry, Multidisciplinary

Kalvoda, J., **Kumpan, T.**, **Bábek, O.** (2015): Upper Famennian and Lower Tournaisian sections of the Moravian Karst (Moravo-Silesian Zone, Czech Republic): a proposed key area for correlation of the conodont and foraminiferal zonations. *Geological Journal*, 50, 1, 17–38.

WoS: IF₂₀₁₇: 1,654; Q3 (110/189) in Geosciences, Multidisciplinary

Kocourková-Víšková, E., **Loun, J.**, **Šráček, 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.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

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

WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Lang, M., **Faimon, J.**, Ek, C. (2015): A case study of anthropogenic impact on the CO₂ levels in low-volume profile of the Balcarka Cave (Moravian Karst, Czech Republic). *Acta Carsologica*, 44, 1, 71–80.

WoS: IF₂₀₁₇: 0,959; Q4 (159/189) in Geosciences, Multidisciplinary

Lang, M., **Faimon, J.**, Ek, C. (2015): The relationship between carbon dioxide concentration and visitor numbers in the homothermic zone of the Balcarka Cave (Moravian Karst) during a period of limited ventilation. *International Journal of Speleology*, 44, 2, 167–176.

WoS: IF₂₀₁₇: 1,392; Q3 (132/189) in Geosciences, Multidisciplinary

Mücke, A., **Losos, Z.** (2015): The iron/manganese occurrences of the Desná Unit of the Sobotín Amphibolite Massif, Silesicum, Czech Republic: A reply to the paper of Kropáč et al. (2012). *Chemie der Erde - Geochemistry*, 75, 1, 51–54.

WoS: IF₂₀₁₇: 1,723; Q3 (45/85) in Geochemistry & Geophysics

Nehyba, S., Nývlt, D. (2015): “Bottomsets” of the lava-fed delta of James Ross Island Volcanic Group, Ulu Peninsula, James Ross Island, Antarctica. *Polish Polar Research*, 36, 1, 1–24.

WoS: IF₂₀₁₇: 1,231; Q3 (114/158) in Ecology; Q4 (142/189) Geosciences, Multidisciplinary

Nehyba, S., Roetzel, R. (2015): Depositional environment and provenance analyses of the Zobing Formation (Upper Carboniferous-Lower Permian), Austria. *Austrian Journal of Earth Sciences*, 108, 2, 245–276.

WoS: IF₂₀₁₇: 0,620; Q4 (179/189) in Geosciences, Multidisciplinary

Novák, M., Cempírek, J., Gadas, P., Škoda, R., Vašinová Galiová, M., Pezzotta, F., Groat, L.A. (2015): Boralsilite and Li,Be-bearing “boron mullite” $\text{Al}_3\text{B}_2\text{Si}_2\text{O}_{19}$, breakdown products of spodumene from the Manjaka pegmatite, Sahatany Valley, Madagascar. *Canadian Mineralogist*, 53, 2, 357–373.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Novák, M., Čopjaková, R., Dosababa, M., Vašinová Galiová, M., **Všianský, D.**, Staněk, J. (2015): Two paragenetic types of cookeite from Dolní Bory-Hatě pegmatites, Moldanubian Zone, Czech Republic: proximal and distal alteration products of Li-bearing sekaninaite. *Canadian Mineralogist*, 53, 6, 1035–1048.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Petrík, J., Petr, L., Šabatová, K., **Doláková, N.**, Lukšíková, H., Dohnalová, A., Chadimová, L., **Blaško, D.**, Milo, P. (2015): Reflections of Prehistoric and Medieval human activities in floodplain deposits of the Únanovka Stream, South Moravia, Czech Republic. *Zeitschrift für Geomorphologie*, 59, 3, 393–412.

WoS: IF₂₀₁₇: 0,991; Q4 (157/189) in Geosciences, Multidisciplinary; Q4 (45/49) in Geography, Physical

Plášil, J., Hloušek, J., Kasatkin, A., **Škoda, R.**, **Novák, M.**, Čejka, J. (2015): Geschieberite, $\text{K}_2(\text{UO}_2)(\text{SO}_4)_2(\text{H}_2\text{O})_2$, a new uranyl sulfate mineral from Jáchymov. *Mineralogical Magazine*, 79, 1, 205–216.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., **Škoda, R.** (2015): New crystal-chemical data for marecottite. *Mineralogical Magazine*, 79, 3, 649–660.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., Hloušek, J., Kasatkin, A., **Novák, M.**, Čejka, J., Lapčák, L. (2015): Svornostite, $\text{K}_2\text{Mg}[(\text{UO}_2)(\text{SO}_4)_2]_2 \cdot 8\text{H}_2\text{O}$, a new uranyl sulfate mineral from Jáchymov, Czech Republic. *Journal of Geosciences*, 60, 2, 113–121.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Prokeš, L., Vašinová Galiová, M., Hušková, S., Vaculovič, T., Hrdlička, A., Mason, A.Z., Neff, H., **Přichystal, A.**, Kanický, V. (2015): Laser microsampling and multivariate methods in provenance studies of obsidian artefacts. *Chemical Papers*, 69, 6, 761–778.

WoS: IF₂₀₁₇: 0,963; Q4 (131/171) in Chemistry, Multidisciplinary

Radaideh, O.M., 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.

WoS: IF₂₀₁₇: 3,583; Q1 (18/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 4,130; Q1 (17/189) in Geosciences, Multidisciplinary; Q2 (26/97) in Energy & Fuels

Svoboda, J., **Hladilová, Š.**, Horáček, I., Kaiser, J., Králík, M., Novák, J., Novák, M., Pokorný, P., Sázlová 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.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

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.

WoS: IF₂₀₁₇: 3,281; **Q1** (37/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

Špaček, P., **Bábek, O.**, Štěpančíková, P., Švancara, J., Pazdírková, J., Sedláček, J. (2015): The Nysa-Morava Zone: an active tectonic domain with Late Cenozoic sedimentary grabens in the Western Carpatians' foreland (NE Bohemian Massif). *International Journal of Earth Sciences*, 104, 4, 963–990.

WoS: IF₂₀₁₇: 2,276; **Q2** (81/189) in Geosciences, Multidisciplinary

Števko, M., Uher, P., Sejkora, J., **Malíková, R.**, **Škoda, R.**, Vaculovič, T. (2015): Phosphate minerals from the hydrothermal quartz veins in specialized S-type granites, Gemerska Poloma (Western Carpathians, Slovakia). *Journal of Geosciences*, 60, 4, 237–249.

WoS: IF₂₀₁₇: 1,415; **Q3** (53/85) in Geochemistry & Geophysics; **Q3** (18/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 3,608; **Q1** (4/42) in Spectroscopy; **Q1** (13/80) in Chemistry, Analytical

Wojewoda, J., **Nehyba, S.**, Gilíková, H., **Buriánek, D.** (2015): Devonian siliciclastic rocks of the Babí lom (southern Moravia, Czech Republic): sedimentary environment reconstruction and provenance study. *Geological Quarterly*, 59, 1, 229–238.

WoS: IF₂₀₁₇: 2,163; **Q2** (85/189) in Geosciences, Multidisciplinary; **Q3** (29/49) in Geography, Physical

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.

WoS: IF₂₀₁₇: 3,993; **Q1** (3/47) in Geology; **Q1** (3/29) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing

Žáček, V., Rappich, V., Šíma, J., **Škoda, R.**, Laufek, F., Legesa, F. (2015): Kogarkoite, Na₃(SO₄)F, from the Shalo hot spring, Main Ethiopian Rift: implications for F-enrichment of thermal groundwater related to alkaline silicic volcanic rocks. *Journal of Geosciences*, 30, 3, 171–179.

WoS: IF₂₀₁₇: 1,415; **Q3** (53/85) in Geochemistry & Geophysics; **Q3** (18/29) in Mineralogy

2014 (celkem 38 článků, 12 studentů spoluautorů – červeně)

Blecha, M., **Faimon, J.** (2014): Karst soils: Dependence of CO₂ concentrations on pore dimension. *Acta Carsologica*, 43, 1, 55–64.

WoS: IF₂₀₁₇: 0,959; **Q4** (159/189) in Geosciences, Multidisciplinary

Blecha, M., **Faimon, J.** (2014): Spatial and temporal variations in carbon dioxide (CO₂) concentrations in selected soils of the Moravian Karst (Czech Republic). *Carbonates and Evaporites*, 29, 4, 395–408.

WoS: IF₂₀₁₇: 0,947; **Q3** (29/47) in Geology

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.

WoS: IF₂₀₁₇: 3,485; **Q1** (10/62) in Construction & Building Technology; **Q1** (11/128) in Engineering, Civil; **Q2** (72/85) in Materials Science, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Čejka, J., Sejkora, J., **Macek, I.**, Frost, R.L., López, A. (2014): A vibrational spectroscopic study of a hydrated hydroxy-phosphate mineral fluellite, $\text{Al}_2(\text{PO}_4)\text{F}_2(\text{OH}) \cdot 7\text{H}_2\text{O}$. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 126, 157–163.

WoS: IF₂₀₁₇: 2,880; Q1 (7/42) in Spectroscopy

Dixon, A., **Cempírek, J.**, Groat, L.A. (2014): Mineralogy and geochemistry of pegmatites on Mount Begbie, British Columbia. *Canadian Mineralogist*, 52, 2, 129–164.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Doláková, N., Holcová K., **Nehyba, S.**, Hladilová, Š., **Brzobohatý, R.**, Zagoršek K., **Hrabovský, J.**, Seko, M., Utescher, T. (2014): The Badenian parastratotype at Židlochovice from the perspective of the multiproxy study. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen*, 271, 2, 169–201.

WoS: IF₂₀₁₇: 0,760; Q4 (48/55) in Paleontology

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.

WoS: IF₂₀₁₇: 3,281; Q1 (37/189) in Geosciences, Multidisciplinary

Gadas, P., **Novák, M.**, **Cempírek, J.**, Filip, J., Vašinová Galiová, M., Groat, L., **Všianský, D.** (2014): Mineral assemblages, compositional variation, and crystal structure of feruvitic tourmaline from a contaminated anatectic pegmatite at Mirošov near Strážek, Moldanubian Zone, Czech Republic. *Canadian Mineralogist*, 52, 2, 285–301.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 1,435; Q3 (159/241) in Environmental Sciences; Q3 (127/189) in Geosciences, Multidisciplinary; Q3 (60/90) in Water Resources

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.

WoS: IF₂₀₁₇: 3,069; Q1 (6/47) in Geology

Hladilová, Š., **Nehyba, S.**, Zagoršek, K., Tomanová-Petrová, P., Bitner, M.A., Demeny, A. (2014): Early badenian transgression on the outer flank of western carpathian foredeep, Hluchov area, Czech Republic. *Annales Societatis Geologorum Poloniae*, 84, 3, 259–279.

WoS: IF₂₀₁₇: 1,234; Q3 (25/47) in Geology

Hönl, 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.

WoS: IF₂₀₁₇: 2,645; Q2 (33/85) in Geochemistry & Geophysics; Q2 (9/29) in Mineralogy

Ivanov, D., Kováčová, M., Bozukov, V., Kováč, M., **Doláková, N.** (2014): Late miocene palaeoenvironmental dynamics in central and eastern Paratethys – Preliminary results based on vegetation data. *Comptes rendus de l'Académie bulgare des sciences*, 67, 4, 557–562.

WoS: IF₂₀₁₇: 0,270; Q4 (62/64) in Multidisciplinary Sciences

Juráček, J. (2014): The evaluation of geological structures by the vector analysis of valley axes. *Zeitschrift für Geomorphologie*, 58, 2, 201–215.

WoS: IF₂₀₁₇: 0,991; Q4 (157/189) in Geosciences, Multidisciplinary; Q4 (45/49) in Geography, Physical

Kalvoda, J., Nudds, J., **Bábek, O.,** Howells, C. (2014): Late Chadian-early Arundian high-resolution biostratigraphy in the Ogmor-by-Sea section (South Wales–Mendip shelf) and the mid-Avonian unconformity. *Journal of the Geological Society*, 171, 1, 41–47.

WoS: IF₂₀₁₇: 2,683; **Q2** (58/189) in Geosciences, Multidisciplinary

Kotková, J., Škoda, R., Machovič, V. (2014): Kumdykolite from the ultrahigh-pressure granulite of the Bohemian Massif. *American Mineralogist*, 99, 8-9, 1798–1801.

WoS: IF₂₀₁₇: 2,645; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (9/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,341; **Q2** (74/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,575; **Q1** (9/47) in Geology

Lundberg, J., **Musil, R.,** Sabol, M. (2014): Sedimentary history of Za Hájovnou Cave (Moravia, Czech Republic): A unique Middle Pleistocene palaeontological site. *Quaternary International*, 339-340, 11–24.

WoS: IF₂₀₁₇: 2,163; **Q2** (85/189) in Geosciences, Multidisciplinary; **Q3** (29/49) in Geography, Physical

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.

WoS: IF₂₀₁₇: 6,653; **Q1** (11/241) in Environmental Sciences; **Q1** (4/50) in Engineering, Environmental

Nehyba, S. (2014): Soft-sediment deformation structures in Lower Badenian (Middle Miocene) foreshore sands and their trigger mechanism (Carpathian Foredeep Basin, Czech Republic). *Austrian Journal of Earth Sciences*, 107, 2, 23–36.

WoS: IF₂₀₁₇: 0,620; **Q4** (179/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

Plášil, J., **Škoda, R.,** Fejfarová, K., Čejka, J., Kasatkin, A., 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.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

Plášil, J., Kasatkin, A., **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.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

Plášil, J., Veselovský, F., Hloušek, J., **Škoda, R., Novák, M.,** Sejkora, J., Čejka, J., Škacha, P., Kasatkin, A. (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.

WoS: IF₂₀₁₇: 2,645; **Q2** (9/29) in Mineralogy; **Q2** (33/85) in Geochemistry & Geophysics

Plášil, J., Sejkora, J., **Škoda, R.,** Škacha, P. (2014): The recent weathering of uraninite from the Cervena vein, Jáchymov (Czech Republic): a fingerprint of the primary mineralization geochemistry onto the alteration association. *Journal of Geosciences*, 59, 3, 223–253.

WoS: IF₂₀₁₇: 1,415; **Q3** (53/85) in Geochemistry & Geophysics; **Q3** (18/29) in Mineralogy

Příkryl, J., Novák, M., Filip, J., Gadas, P., Vašinová Galiová, M. (2014): Iron plus magnesium-bearing beryl from granitic pegmatites: an EMPA, LA-ICP-MS, Mossbauer spectroscopy, and powder XRD study. *Canadian Mineralogist*, 52, 2, 271–284.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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 thunamis 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.

WoS: IF₂₀₁₇: 2,875; Q1 (7/47) in Geology

Roetzel, R., de Leeuw, A., Mandic, O., Márton, E., **Nehyba, S.**, Kuiper, K.F., Scholger, R., Wimmer-Frey, I. (2014): Lower Miocene (upper Burdigalian, Karpatian) volcanic ash-fall at the south-eastern margin of the Bohemian Massif in Austria – New evidence from ⁴⁰Ar/³⁹Ar-dating, palaeomagnetic, geochemical and mineralogical investigations. *Austrian Journal of Earth Sciences*, 107, 2, 2–22.

WoS: IF₂₀₁₇: 0,620; Q4 (179/189) in Geosciences, Multidisciplinary

Šešulka, V., **Sedláková, I., Bábek, O., Přichystal, A.** (2014): Identification of a buried Late Cenozoic maar-diatreme structure (North Moravia, Czech Republic). *Geologica Carpathica*, 65, 6, 471–479.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Urubek, T., Dolníček, Z., Kropáč, K. (2014): Genesis of syntectonic hydrothermal veins in the igneous rock of teschenite association (Outer Western Carpathians, Czech Republic): growth mechanism and origin of fluids. *Geologica Carpathica*, 65, 6, 419–431.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

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 uman kidney stones using ablation inductively-coupled plasma-mass spectrometry: Possibilities and limitations. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 100, 105–115.

WoS: IF₂₀₁₇: 2,854; Q1 (10/42) in Spectroscopy

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.

WoS: IF₂₀₁₇: 2,854; Q1 (10/42) in Spectroscopy

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.

WoS: IF₂₀₁₇: 3,061; Q2 (49/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,656; Q1 (21/85) in Anthropology

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.

WoS: IF₂₀₁₇: 3,993; Q1 (3/47) in Geology; Q1 (3/29) in Mineralogy; Q1 (1/20) in Mining & Mineral Processing

Zvěřina, O., Coufalík, P., Komárek, J., **Gadas, P., Sysalová, J.** (2014): Mercury associated with size-fractionated urban particulate matter: three years of sampling in Prague, Czech Republic. *Chemical Papers*, 68, 2, 197–202.

WoS: IF₂₀₁₇: 0,963; Q4 (131/171) in Chemistry, Multidisciplinary

2013 (celkem 38 článků, 15 studentů spoluautorů - červeně)

Bábek, O., Kalvoda, J., Cossey, P., Šimíček, D., Devuyt, 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.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

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.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 2,686; Q2 (32/85) in Geochemistry & Geophysics

Breiter, K., Gardenová, N., Kanický, V., Vaculovič, T. (2013): Gallium and germanium geochemistry during magmatic fractionation and post-magmatic alteration in different types of granitoids: a case study from the Bohemian Massif (Czech Republic). *Geologica Carpathica*, 64, 3, 171–180.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Breiter, K., Gardenová, N., Vaculovič, T., Kanický, V. (2013): Topaz as an important host for Ge in granites and greisens. *Mineralogical Magazine*, 77, 4, 403–417.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Cempírek, J., Houzar, S., Novák, M., Groat, L.A., Selway, J.B., Šrein, V. (2013): Crystal structure and compositional evolution of vanadium-rich oxy-dravite from graphite quartzite at Bitovánky, Czech Republic. *Journal of Geosciences*, 58, 149–162.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Čopjaková, R., Škoda, R., Vašinová Galiová, M., Novák, M. (2013): Distributions of Y + REE and Sc in tourmaline and their implications for the melt evolution; examples from NYF pegmatites of the Třebíč Pluton, Moldanubian Zone, Czech Republic. *Journal of Geosciences*, 58, 113–131.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Dill, H.G., **Škoda, R.**, Weber, B., Muller, A., Berner, Z.A., Wemmer, K., Balaban, S. (2013): Mineralogical and chemical composition of the Hagendorf-North Pegmatite, SE Germany - a monographic study. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 190, 3, 281–318.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

Faimon, J., Lang, M. (2013): Variances in airflows during different ventilation modes in a dynamic U-shaped cave. *International Journal of Speleology*, 42, 2, 115–122.

WoS: IF₂₀₁₇: 1,392; Q3 (132/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,769; Q3 (137/241) in Environmental Sciences; Q3 (52/86) in Meteorology & Atmospheric Sciences; Q3 (46/90) in Water Resources

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.

WoS: IF₂₀₁₇: 2,447; Q1 (2/33) in Nuclear Science & Technology; Q2 (112/285) in Materials Science, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 3,641; Q1 (5/29) in Mineralogy; Q1 (68/285) in Materials Science, Multidisciplinary; Q2 (52/146) in Chemistry, Physical

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.

WoS: IF₂₀₁₇: 1,810; Q3 (23/45) in Chemistry, Inorganic & Nuclear

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.

WoS: IF₂₀₁₇: 2,994; Q1 (14/90) in Water Resources; Q1 (41/80) in Public, Environmental & Occupational Health; Q2 (73/241) in Environmental Sciences; Q2 (21/50) in Engineering, Environmental

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.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

Losos, Z., Kovář, O., Houzar, S., **Zeman, J.** (2013): Rare hydrated Mg-carbonate-hydroxide assemblage of serpentinite fissures in Hrubšice, western Moravia (Czech Republic): a genetic model of its formation. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 190, 3, 253–263.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

Lundberg, J., **Musil, R.,** Sabol, M. (2013): Sedimentary history of Za Hájovnou Cave (Moravia, Czech Republic): A unique Middle Pleistocene palaeontological site. *Quaternary International*, 294, 1–14.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

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.

WoS: IF₂₀₁₇: 1,656; Q1 (21/85) in Anthropology

Nerudová, Z., Neruda, P., **Přichystal, A.** (2013): 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.

WoS: IF₂₀₁₇: 0,481; Q4 (69/85) in Anthropology

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.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Novák, M., Kadlec, T., Gadas, P. (2013): Geological position, mineral assemblages and contamination of granitic pegmatites in the Moldanubian Zone, Czech Republic; examples from the Vlastějovice region. *Journal of Geosciences*, 58, 21–47.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

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): Švenekite, Ca[AsO₂(OH)₂]₂, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 2013, 77, 6, 2711–2724.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,419; Q2 (68/189) in Geosciences, Multidisciplinary; Q2 (22/79) in Geography, Physical

Petřík, J., Vostrovská, I. (2013): Evolution of the scientific approach to prehistoric pottery in the area of the former Czechoslovakia. *Anthropologie*, 51, 2, 301–322.
WoS: IF₂₀₁₇: 0,481; Q4 (69/85) in Anthropology

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.
WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

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(Si₃O₁₂)(OH)₂ · 6H₂O. *American Mineralogist* 98, 4, 718–723.
WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

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.
WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

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.
WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., Hloušek, J., **Škoda, R.**, Novák, M., Sejkora, J., Čejka, J., Veselovský, F., Majzlan, J. (2013): Vysokýite, U⁴⁺[AsO₂(OH)₂]₄ · 4H₂O, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 77, 8, 3055–3066.
WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., Kampf, A., Kasatkin, A., Marty, J., **Škoda, R.**, Silva, S., Čejka, J. (2013): Meisserite, Na₅(UO₂)(SO₄)₃(SO₃OH)(H₂O), a new uranyl sulfate mineral from the Blue Lizard mine, San Juan County, Utah, USA. *Mineralogical Magazine*, 77, 7, 2975–2988.
WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., Kasatkin, A., **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(UO₂)(SO₄)₂(H₂O)₁₁, a new uranyl sulfate mineral from Mas d'Alary, Lodeve, France. *Mineralogical Magazine*, 77, 4, 429–441.
WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Ptáček, J., **Melichar, R.**, Hájek, A., Koníček, P., Souček, K., Stas, L., Kříž, P., Lazarek, J. (2013): Structural analysis within the Rožná and Olší uranium deposits (Strážek Moldanobicum) for the estimation of deformation and stress conditions of underground gas storage. *Acta Geodynamica et Geomaterialia*, 10, 2, 237–247.
WoS: IF₂₀₁₇: 0,886; Q4 (71/85) in Geochemistry & Geophysics; Q3 (15/20) in Mining & Mineral Processing

Talla, D., Wildner, M., Beran, A., **Škoda, R.**, Losos, Z. (2013): On the presence of hydrous defects in differently coloured wulfenites (PbMoO₄): an infrared and optical spectroscopic study. *Physics and Chemistry of Minerals*, 40, 757–769.
WoS: IF₂₀₁₇: 1,679; Q3 (171/285) in Materials Science, Multidisciplinary; Q3 (16/29) in Mineralogy

Ulrych, J., Ackerman, L., Balogh, K., Hegner, E., Jelínek, E., Pécskay Z., **Přichystal, A.**, Upton, B. G. J., Zimák, J., Foltýnová, R. (2013): Plio-Pleistocene basanitic and melilititic series of the Bohemian Massif: K-Ar ages, major/trace element and Sr-Nd isotopic data. *Chemie der Erde - Geochemistry*, 73, 429–450.
WoS: IF₂₀₁₇: 1,723; Q3 (45/85) in Geochemistry & Geophysics

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.
WoS: IF₂₀₁₇: 4,244; Q1 (9/80) in Chemistry, Analytical

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.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

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.

WoS: IF₂₀₁₇: 2,163; Q2 (85/189) in Geosciences, Multidisciplinary; Q3 (29/49) in Geography, Physical

2012 (celkem 36 článků, 15 studentů spoluautorů - červeně)

Bačík, P., Uher, P., **Cempírek, J.**, Valucovič, T. (2012): Magnesian tourmalines from plagioklase-muscovite-scapolite metaevaporite leayers in dolomite marble near Prosetin (Olesnice Unit, Moravicum, Czech Republic). *Journal of Geosciences*, 57, 3, 143–153.

WoS: IF₂₀₁₇: 1,415; Q3 (53/85) in Geochemistry & Geophysics; Q3 (18/29) in Mineralogy

Bermanec, V., Horvat, M., Gobac, Ž.Ž., Zebec, V., Scholz, R., **Škoda, R.**, Wegner, R., de Brito Barreto, S., Dódonny, I. (2012): Pseudomorphs of low microcline after adularia fourlings from the Alto da Cabeça (Boqueirão) and Morro Redondo pegmatites, Brazil. *Canadian Mineralogist*, 50, 4, 975–987.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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

WoS: IF₂₀₁₇: 3,570; Q1 (19/85) in Geochemistry & Geophysics

Breiter, K., **Škoda, R.** (2012): Vertical zonality of fractionated granite plutons reflected in zircon chemistry: the Cínovec A-type versus the Beauvoir S-type suite. *Geologica Carpathica*, 63, 5, 383–398.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

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

WoS: IF₂₀₁₇: 4,329; Q1 (9/85) in Geochemistry & Geophysics; Q1 (2/29) in Mineralogy

Dill, H.G., **Škoda, R.**, Weber, B., Berner, Z.A., Müller, A., Bakker, R.J. (2012): A newly discovered swarm of shear-zone-hosted Bi–As–Fe–Mg–P-rich aplites and pegmatites in the Hagendorf–Pleystein pegmatite province, Southeastern Germany: A step closer to the metamorphic root of pegmatites. *Canadian Mineralogist*, 50, 4, 943–974.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Dosbaba, M., **Novák, M.** (2012): Quartz replacement by "kerolite" in graphic quartz-feldspar intergrowths from the Věžná I pegmatite, Czech Republic; A complex desilicification process related to episyenitization. *Canadian Mineralogist*, 50, 6, 1609–1622.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Faimon, J., Ličbinská, M., Zajíček, P., **Šrámek, O.** (2012): Partial pressures of CO₂ in epikarstic zone deduced from hydrogeochemistry of permanent drips, the Moravian Karst, Czech Republic. *Acta Carsologica*, 41, 1, 47–57.

WoS: IF₂₀₁₇: 0,959; Q4 (159/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 3,100; Q2 (23/86) in Meteorology & Atmospheric Sciences

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.

WoS: IF₂₀₁₇: 1,392; Q3 (132/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,645; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (9/29) in Mineralogy

Filip, J., Bosi, F., **Novák, M.**, Skogby, H., Tuček, J., Čuda, J., Wildner, M. (2012): Redox processes of iron in the tourmaline structure: example of the high-temperature treatment of Fe³⁺-rich schorl. *Geochimica Cosmochimica Acta*, 86, 239–256.

WoS: IF₂₀₁₇: 4,690; **Q1** (5/85) in Geochemistry & Geophysics

Gadas, P., Novák, M., Staněk, J., Filip, J., Vašinová Galiová, M. (2012): Compositional evolution of zoned tourmaline crystals from pockets in common pegmatites, the Moldanubian Zone, Czech Republic. *Canadian Mineralogist*, 50, 4, 895–912.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Galliski, M.Á., Márquez-Zavalía, M.F., Lira, R., **Cempírek, J., Škoda, R.** (2012): Mineralogy and origin of the dumortierite-bearing pegmatites of Virorco, San Luis, Argentina. *Canadian Mineralogist*, 50, 4, 873–894.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Kalvoda, J., Bábek, O., Aretz, M., Cossey, P., Devuyst, 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.

WoS: IF₂₀₁₇: 1,395; **Q2** (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Kropáč, K., **Buriánek, D.**, Zimák, J. (2012): Origin and metamorphic evolution of Fe-Mn-rich garnetites (coticles) in the Desná Unit (Silesicum, NE Bohemian Massif). *Chemie der Erde - Geochemistry*, 72, 3, 219–236.

WoS: IF₂₀₁₇: 1,723; Q3 (45/85) in Geochemistry & Geophysics

Kučera, J., **Zeman, J.**, Mandl, M., Černá H. (2012): Stoichiometry of bacterial anaerobic oxidation of elemental sulfur by ferric iron. *Antonie van Leeuwenhoek International Journal of General and Molecular Microbiology*, 101, 4, 919–922.

WoS: IF₂₀₁₇: 1,588; Q4 (98/125) in Microbiology

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.

WoS: IF₂₀₁₇: 3,300; **Q1** (9/75) in Metallurgy Metallurgical Engineering

Majzlan, J., Lazic, B., Armbruster, T., Johnson, M.B., White, M.A., Fisher, R.A., **Plášil, J., Loun, J., Škoda, R., Novák, M.** (2012): Crystal structure, thermodynamic properties, and paragenesis of bukovskýite, $Fe_2(AsO_4)(SO_4)(OH) \cdot 9H_2O$. *Journal of Mineralogical and Petrological Sciences*, 107, 3, 133–148.

WoS: IF₂₀₁₇: 1,030; Q4 (24/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 1,769; Q3 (137/241) in Environmental Sciences; Q3 (52/86) in Meteorology & Atmospheric Sciences; Q3 (46/90) in Water Resources

Melleton, J., Gloaguen, E., Frei, D., **Novák, M., Breiter, K.** (2012): How are the time of emplacement of rare-element pegmatites, regional metamorphism and magmatism interrelated in the Moldanubian Domain of Variscan Bohemian Massif, Czech Republic? *Canadian Mineralogist*, 50, 6, 1751–1773.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Nehyba, S., Roetzel, R., Maštera, L. (2012): Provenance analysis of the Permo-Carboniferous fluvial sandstones of the southern part of the Boskovice Basin and the Zöbing Area (Czech Republic, Austria): implication for paleogeographical reconstructions of the post-Variscan collapse basins. *Geologica Carpathica*, 63, 5, 365–382.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Novák, M., Škoda, R., Gadas, P., Krmíček, L., Černý, P. (2012): Contrasting origins of the mixed signature in granitic pegmatites; examples from the Moldanubian Zone, Czech Republic. *Canadian Mineralogist*, 50, 4, 1077–1094.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,645; Q2 (33/85) in Geochemistry & Geophysics; Q2 (9/29) in Mineralogy

Plášil, J., Hauser, J., Petříček, V., Meisser, N., Mills, S.J., **Škoda, R.,** Fejfarová, K., Čejka, J., Sejkora, J., Hloušek, J., Johannet, J.-M., Machovič, V., Lapčák, L. (2012): Crystal structure and formula revision of deliensite, $Fe[(UO_2)_2(SO_4)_2(OH)_2](H_2O)_7$. *Mineralogical Magazine*, 76, 2837–2860.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Plášil, J., Hloušek, J., Veselovský, F., Fejfarová, K., Dušek, M., **Škoda, R., Novák, M.,** Čejka, J., Ondruš, P. (2012): Adolfpateraite, $K[(UO_2)(SO_4)(OH)(H_2O)]$, a new uranyl sulphate mineral from Jáchymov, Czech Republic. *American Mineralogist*, 97, 2-3, 447–454.

WoS: IF₂₀₁₇: 2,645; Q2 (33/85) in Geochemistry & Geophysics; Q2 (9/29) in Mineralogy

Rak, Š., **Kalvoda, J.,** Devuyst, F.X. (2012): New Mississippian trilobite association from the Brno vicinity. *Geologica Carpathica*, 63, 3, 1891–190.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Ruschel, K., Nasdala, L., Kronz, A., Hanchar, J. M., Töbrens, D. M., **Škoda, R.,** Finger, F., Möller, A. (2012): A Raman spectroscopic study on the structural disorder of monazite-(Ce). *Mineralogy and Petrology*, 105, 1-2, 41–55.

WoS: IF₂₀₁₇: 1,664; Q3 (46/85) in Geochemistry & Geophysics; Q3 (17/29) in Mineralogy

Sedláček, J., Bábek, O., Matys Grygar, T. (2012): 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.

WoS: IF₂₀₁₇: 1,435; Q3 (159/241) in Environmental Sciences; Q3 (127/189) in Geosciences, Multidisciplinary; Q3 (60/90) Water Resources

Slobodník, M., Melichar R., Hurai V., Bakker R. (2012): Litho-stratigraphic effect on Variscan fluid flow within the Prague synform, Barrandian: Evidence based on C, O, Sr isotopes and fluid inclusions. *Marine and Petroleum Geology*, 35, 128–138.

WoS: IF₂₀₁₇: 3,281; Q1 (37/189) in Geosciences, Multidisciplinary

Svoboda, J., **Hladilová, Š., Ivanov, M.,** Sázelová, S. (2012): Mladeč is not a dead site. Supplementary evidence from the 2009-2011 survey. *Anthropologie*, XLIX, 2, 109–115.

WoS: IF₂₀₁₇: 0,481; Q4 (69/85) in Anthropology

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.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

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.

WoS: IF₂₀₁₇: 2,645; Q2 (33/85) in Geochemistry & Geophysics; Q2 (9/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,892; Q2 (3/33) in Materials Science, Characterization & Testing; Q1 (9/29) in Metallurgy & Metallurgical Engineering; Q2 (89/285) in Materials Science, Multidisciplinary

Zágoršek, K., **Nehyba, S.**, Petrova-Tomanova, P., Hladilová, Š., Bitner, M.A., **Doláková, N.**, **Hrabovský, J.**, Jašková, V. (2012): Local catastrophe caused by tephra input near Premyslovice (Moravia, Czech Republic) during the Middle Miocene. *Geological Quarterly*, 56, 2, 269–283.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

2011 (celkem 34 článků, 26 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.

WoS: IF₂₀₁₇: 3,256; Q1 (39/189) in Geosciences, Multidisciplinary; Q1 (7/34) in Soil Science; Q1 (10/90) in Water Resources

Bábek, O., Chlachula, J., Matys Grygar, T. (2011): Non-magnetic indicators of pedogenesis related to loess magnetic enhancement and depletion: Examples from the Czech Republic and southern Siberia. *Quaternary Science Reviews*, 30, 7–8, 967–979.

WoS: IF₂₀₁₇: 4,334; Q1 (12/189) in Geosciences, Multidisciplinary; Q1 (5/49) Geography, Physical

Čopjaková, R., **Novák, M.**, Franců, E. (2011): Formation of authigenic monazite-(Ce) to monazite-(Nd) from Upper Carboniferous greywackes of the Drahaný Upland: roles of the chemical composition of host rock and burial temperature. *Lithos*, 127, 373–385.

WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics

Henry, D., **Novák, M.**, Hawthorne, F.C., Ertl, A., Dutrow, B., Uher, P., Pezzotta, F. (2011): Nomenclature of the tourmaline supergroup-minerals. *American Mineralogist*, 96, 895–913.

WoS: IF₂₀₁₇: 2,645; Q1 (33/85) in Geochemistry & Geophysics; Q2 (9/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 4,439; Q1 (1/19) in Materials Science, Coatings & Films; Q1 (25/146) in Physics, Applied; Q2 (17/67) in Physics, Condensed Matter; Q2 (39/146) in Chemistry, Physical

Chudík, P., Uher, P., **Gadas, P.**, **Škoda, R.**, Pršek, J., (2011): Niobium-tantalum oxide minerals in the Jezuitské Lesy granitic pegmatite, Bratislava Massif, Slovakia: Ta to Nb and Fe to Mn evolutionary trends in a narrow Be,Cs-rich and Li,B-poor dike. *Mineralogy and Petrology*, 102, 1–4, 15–27.

WoS: IF₂₀₁₇: 1,664; Q3 (17/29) in Mineralogy; Q3 (46/85) in Geochemistry & Geophysics

Ivanov, M., Böhme, M. (2011): Snakes from Griesbeckerzell (Langhian, Early Badenian), North Alpine Foreland Basin (Germany), with comments on the evolution of snake faunas in Central Europe during the Miocene Climatic Optimum. *Geodiversitas*, 33, 3, 411–449.

WoS: IF₂₀₁₇: 1,024; Q3 (36/55) in Paleontology

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.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Kocourková, E., **Šrámek, 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.

WoS: IF₂₀₁₇: 2,858; Q2 (29/85) in Geochemistry & Geophysics

Kotková, J., O'Brien, P., Ziemann, M. (2011): Diamond and coesite discovered in Saxony-type granulite: Solution to the Variscan garnet peridotite enigma. *Geology*, 39, 7, 667–670.

WoS: IF₂₀₁₇: 5,073; Q1 (1/47) in Geology

Kováčová, M., **Doláková, N.**, Kováč, M. (2011): Miocene vegetation pattern and climate change in the Northwestern Central Paratethys domain (Czech and Slovak Republic). *Geologica Carpathica*, 62, 3, 251–266.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics

Kynický, J., Chakhmouradian, A.R., Xu, C., **Krmíček, L.**, Vašinová Galiová, M. (2011): Distribution and evolution of zirconium mineralization in peralkaline granites and associated pegmatites of the Khan Bogd Complex, southern Mongolia. *Canadian Mineralogist*, 49, 4, 947–965.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Loun, J., Čejka, J., Sejkora, J., **Plášil, J.**, **Novák, M.**, Frost, R.L., Palmer, S.J., Keeffe, 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.

WoS: IF₂₀₁₇: 2,879; Q1 (8/42) in Spectroscopy

Matys Grygar, T., **Sedláček, J.**, **Bábek, O.**, Nováková, T., Strnad, L., Mihaljevič, M. (2011): Regional Contamination of Moravia (South-Eastern Czech Republic): Temporal shifts of Pb and Zn loading in fluvial sediments. *Water Air and Soil Pollution*, 223, 7399–753.

WoS: IF₂₀₁₇: 1,769; Q3 (137/241) in Environmental Sciences; Q3 (52/86) in Meteorology & Atmospheric Sciences; Q3 (46/90) in Water Resources

Mills, S.J., Kampf, A.R., Sejkora, J., Adams, P.M., Birch, W.D., **Plášil, J.** (2011): Iangreyite: a new secondary phosphate mineral closely related to perhamite. *Mineralogical Magazine*, 75, 2, 327–336.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Mrázová, Š., **Gadas, P.** (2011): Obsidian balls (marekanite) from Cerro Tijerina, central Nicaragua: petrographic investigations. *Journal of Geosciences*, 56, 43–49.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Musil, R. (2011): Gravettian environmental changes in N - S transect of central Europe. *Central European Journal of Geosciences*, 3, 2, 147–154.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 2,168; Q1 (5/20) in Limnology; Q2 (84/189) in Geosciences, Multidisciplinary; Q2 (114/241) in Environmental Sciences

Nehyba, S., Roetzel, R. (2011): Fluvial deposits of the St. Marein Freischling Formation insights into initial depositional processes on the distal external margin of the Alpine Carpathian Foredeep in Lower Austria. *Austrian Journal of Earth Sciences*, 100, 2, 50–80.

WoS: IF₂₀₁₇: 0,320; Q4 (179/189) in Geosciences, Multidisciplinary

Novák, M., **Gadas, P.**, Filip, J., Vaculovič, T., **Přikryl, J.**, **Fojt, B.** (2011): Blue, complexly zoned, (Na,Mg,Fe,Li)-rich beryl from quartz-calcite veins in low-grade metamorphosed Fe-deposit Skály near Rýmařov, Czech Republic. *Mineralogy and Petrology*, 102, 3–14.

WoS: IF₂₀₁₇: 1,664; Q3 (17/29) in Mineralogy; Q3 (46/85) in Geochemistry & Geophysics

Novák, M., Škoda, R., Filip, J., Macek, I., Vaculovič, T. (2011): Compositional trends in tourmaline from the intragranitic NYF pegmatites of the Třebíč Pluton, Czech Republic; electron microprobe, LA-ICP-MS and Mössbauer study. *Canadian Mineralogist*, 49, 359–380.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Plášil, J., Fejfarová, K., **Novák, M.,** Dušek, M., **Škoda, R.,** Hloušek, J., Čejka, J., Majzlan, J., Sejkora, J., Machovič, V., **Talla, D.** (2011): Běhounekite, $U(SO_4)_2(H_2O)_4$, from Jáchymov (St. Joachimsthal), Czech Republic – the first U^{4+} sulphate known from nature. *Mineralogical Magazine*, 75, 2739–2753.

WoS: IF₂₀₁₇: 1,744; Q3 (25/29) in Mineralogy

Plášil, J., Fejfarová, K., Mills, S.J., Čejka, J., Sejkora, J., **Novák, M., Škoda, R.** (2011): The crystal structure of natural zippeite, $K_2[(UO_2)_4O_3(SO_4)_2](H_2O)_4$, from Jáchymov, Czech Republic. *Canadian Mineralogist*, 49, 711–725.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

René, M., **Škoda, R.** (2011): Nb-Ta-Ti oxides fractionation in rare-metal granites: Krásno-Horní Slavkov ore district, Czech Republic. *Mineralogy and Petrology*, 103, 1-4, 37–48.

WoS: IF₂₀₁₇: 1,664; Q3 (17/29) in Mineralogy; Q3 (46/85) in Geochemistry & Geophysics

Sejkora, J., **Plášil, J.,** Císařová, I., **Škoda, R.,** Hloušek, J., Veselovský, F., Jebavá, I. (2011): Interesting supergene Pb-rich mineral association from the Rovnost mining field, Jáchymov (St. Joachimsthal), Czech Republic. *Journal of Geosciences*, 56, 257–271.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Sejkora, J., Makovický, E., Topa, D., Putz, H., Zagler, G., **Plášil, J.** (2011): Litochlebite, $Ag_2PbBi_4Se_8$, a new selenide mineral species from Zálesí, Czech Republic: description and crystal-structure. *Canadian Mineralogist*, 49, 2, 639–650.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Sejkora, J., Ozdín, D., Lufek, F., **Plášil, J.,** Litochleb, J. (2011): Marruccite, a rare Hg sulfosalt from the Gelnica ore deposit (Slovak Republic), and its comparison with the type occurrence at Bucca della Vena mine (Italy). *Journal of Geosciences*, 56, 4, 399–408.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Sejkora, J., **Plášil, J.,** Veselovský, F., Císařová, I., Hloušek, J. (2011): Ondrušite, $CaCu_4(AsO_4)_2(AsO_3OH)_2 \cdot 10H_2O$, a new mineral species from the Jáchymov ore district, Czech Republic: description and crystal-structure determination. *Canadian Mineralogist*, 49, 3, 885–897.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Sejkora, J., **Plášil, J.,** Filip, J. (2011): Plimerite from Krásno near Horní Slavkov ore district, Czech Republic. *Journal of Geosciences*, 56, 2, 215–229.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Svoboda, J., Bocheňski, Z. M., Čulíková, V., Dohnalová, A., **Hladilová, Š.,** Hložek, M., Horáček, I., **Ivanov, M.,** Králík, M., Novák, M., Pryor, A. J. E., Sázelová, S., Stevens, R. E., Wilczyński, J., Wojtal, P. (2011): Paleolithic Hunting in a Southern Moravian Landscape: The Case of Milovice IV, Czech Republic. *Geoarchaeology-An International Journal*, 26, 6, 838–866.

WoS: IF₂₀₁₇: 1,453; Q3 (126/189) in Geosciences, Multidisciplinary

Škoda, R., Novák, M., Cicha, J. (2011): Uranium–niobium-rich alteration products after “písekite”, an intimate mixture of Y,REE,Nb,Ta,Ti-oxide minerals from the Obrázek I pegmatite, Písek, Czech Republic. *Journal of Geosciences*, 56, 317–325.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

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.
WoS: IF₂₀₁₇: 2,645; **Q2** (9/29) in Mineralogy; **Q2** (33/85) in Geochemistry & Geophysics

Vlačíky, M., Nývlt, D., Michalík, T., Nývltová Fišáková, M., Moravcová, M., Králík, M., Kovanda, J., Péková, K., **Přichystal, A.**, Dohnalová, A. (2011): 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.
WoS: IF₂₀₁₇: 2,163; **Q2** (85/189) in Geosciences, Multidisciplinary; **Q3** (29/49) in Geography, Physical

2010 (celkem 31 článků, 14 studentů spoluautorů – červeně)

Bábek, O., **Kalvoda, J.**, Aretz, M., Cossey, P., Devuyst, F.X., Herbig, H-G., Sevastopulo, G. (2010): The correlation potential of magnetic susceptibility and outcrop gamma-ray logs atv Tourhnaisian-Visean boundary sections in Western Europe. *Geologica Belgica*, 13, 4, 291–308.
WoS: IF₂₀₁₇: 0,914; **Q3** (30/47) in Geology

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.
WoS: IF₂₀₁₇: 1,679; **Q3** (16/29) in Mineralogy; **Q3** (171/285) in Materials Science, Multidisciplinary

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.
WoS: IF₂₀₁₇: 3,179; **Q2** (67/241) in Environmental Sciences; **Q2** (28/94) in Toxicology

Cempírek, J., **Novák, M.**, Dolníček, Z., **Kotková, J.**, **Škoda, R.** (2010): Crystal chemistry and origin of grandierite, ominelite, boralsilite and werdingite from the Bory Granulite Massif, Czech Republic. *American Mineralogist*, 95, 10, 1533–1547.
WoS: IF₂₀₁₇: 2,645; **Q2** (9/29) in Mineralogy; **Q2** (33/85) in Geochemistry & Geophysics

Čobič, A., Bermanec, V., Tomašič, N., **Škoda, R.** (2010): The hydrothermal recrystallization of metamict allanite-(Ce). *Canadian Mineralogist*, 48, 3, 513–521.
WoS: IF₂₀₁₇: 0,945; **Q4** (25/29) in Mineralogy

Doláková, N., **Rozzková, A.**, **Přichystal, A.** (2010): Palynology and natural environment in the pannonian to holocene sediments of the early Mmedieval centre Pohansko near Břeclav (Czech Republic). *Journal of Archaeological Science*, 37, 10, 2538–2550.
WoS: IF₂₀₁₇: 3,061; **Q2** (49/189) in Geosciences, Multidisciplinary

Faimon, J., Ličbinská, M. (2010): Carbon dioxide in the soils and adjacent caves of the Moravian Karst. *Acta Carsologica*, 39, 3, 463–475.
WoS: IF₂₀₁₇: 0,959; **Q4** (159/189) in Geosciences, Multidisciplinary

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.
WoS: IF₂₀₁₇: 1,769; **Q3** (137/241) in Environmental Sciences; **Q3** (52/86) in Meteorology & Atmospheric Sciences; **Q3** (46/90) in Water Resources

Frost, R.L., Bahfenne, S., Čejka, J., Sejkora, J., Palmer, S.L., **Škoda, R.** (2010): Raman microscopy of haidingerite Ca(AsO₃OH) · H₂O and brassite Mg(AsO₃OH) · 4H₂O. *Journal of Raman Spectroscopy*, 41, 6, 690–693.
WoS: IF₂₀₁₇: 2,879; **Q1** (8/42) in Spectroscopy

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.

WoS: IF₂₀₁₇: 3,307; Q1 (15/80) in Chemistry, Analytical; Q2 (27/79) in Biochemical Research Methods

Hilscherová, K., Dušek, L., Štěpánková, T., Jálová, 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.

WoS: IF₂₀₁₇: 3,179; Q2 (67/241) in Environmental Sciences; Q2 (28/94) in Toxicology

Hönig, S., Leichmann, J., Novák, M. (2010): Unidirectional solidification textures and garnet layering in Y-enriched garnet-bearing aplite–pegmatites in the Cadomian Brno Batholith, Czech Republic. *Journal of Geosciences*, 55, 113–129.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Kalvoda, J., Devuyt, F.-X., Bábek, O., Dvořák, L., Rak, Š., Rez, J. (2010): High-resolution biostratigraphy of the Tournaisian-Visean (Carboniferous) boundary interval, Mokra quarry, Czech Republic. *Geobios*, 43, 3, 317–331.

WoS: IF₂₀₁₇: 1,205; Q3 (30/55) in Paleontology

Kalvoda, J., Bábek, O. (2010): The Margins of Laurussia in Central and Southeast Europe and Southwest Asia. *Gondwana Research*, 17, 2-3, 526–545.

WoS: IF₂₀₁₇: 5,657; Q1 (6/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,654; Q3 (110/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,575; Q1 (9/47) in Geology

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.

WoS: IF₂₀₁₇: 4,100; Q1 (11/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 2,276; Q2 (81/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (23/49) in Geography, Physical; Q2 (71/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,341; Q2 (74/189) in Geosciences, Multidisciplinary

Nehyba, S., Hilscherová, K., Jarkovský, J., Dušek, I., **Kuchovský, T.**, **Zeman, J.**, Klánová, J., Holoubek, I. (2010): Grain size, geochemistry and organic pollutants in modern fluvial deposits in eastern Moravia (Czech Republic). *Environmental Earth Sciences*, 60, 3, 591–602.

WoS: IF₂₀₁₇: 1,435; Q3 (127/189) in Geosciences, Multidisciplinary; Q3 (60/90) in Water Resources; Q3 (159/241) in Environmental Sciences

Nehyba, S., Adamová, M., Faimon, J., Kuchovský, T., Zeman, J., Holoubek, I. (2010): Modern fluvial sediment provenance and pollutant tracing: a case study from the Drevnice River Basin (eastern Moravia, Czech Republic). *Geologica Carpathica*, 61, 2, 147–162.

WoS: IF₂₀₁₇: 1,169; Q3 (147/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 3,307; Q1 (15/80) in Chemistry, Analytical; Q2 (27/79) in Biochemical Research Methods

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Říčka, A., Kuchovský, T., Šrámek, O., Zeman, J. (2010): Determination of potential mine water discharge zones in crystalline rocks at Rozna, Czech Republic. *Environmental Earth Sciences*, 60, 6, 1201–1213.

WoS: IF₂₀₁₇: 1,435; Q3 (60/90) in Water Resources; Q3 (127/189) in Geosciences, Multidisciplinary; Q3 (159/241) in Environmental Sciences

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Sejkora, J., Ondruš, P., **Novák, M.** (2010): Veselovskýite, triclinic (Zn,Cu,Co)Cu₄(AsO₄)₂(AsO₃OH)₂ · 9H₂O, a Zn-dominant analogue of lindackerite. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 187, 1, 83–90.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

2009 (celkem 24 článků, 9 studentů spoluautorů – červeně)

Bhattacharya, P., Hasan, M.A., **Šrámek, 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.

WoS: IF₂₀₁₇: 2,994; Q1 (14/90) in Water Resources; Q1 (41/80) in Public, Environmental & Occupational Health; Q2 (21/50) in Engineering, Environmental; Q2 (73/241) in Environmental Sciences

Boháč M., Gregerová M. (2009): The influence of blast-furnace slag hydration products on microcracking of concrete. *Materials Characterization*, 60, 7, 729–734.

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

Breiter, K., Čopjaková, R., Škoda, R. (2009): The involvement of F, CO₂, and As in the alteration of Zr-Th-REE-bearing accessory minerals in the Hora Svaté Kateřiny A-type granite, Czech Republic. *Canadian Mineralogist*, 47, 6, 1375–1398.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Bradák, B., Szakmány, G., Józsa, 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 Archeological Science*, 36, 10, 2437–2444.

WoS: IF₂₀₁₇: 3,061; Q2 (49/189) in Geosciences, Multidisciplinary

Čopjaková, R., Buriánek, D., Škoda, R., Houzar, S. (2009): Tourmalinites in the metamorphic complex of the Svratka Unit (Bohemian Massif): a study of compositional growth of tourmaline and genetic relations. *Journal of Geosciences*, 54, 2, 221–243.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

da Silva, J.C., Vargas, E.D., **Šrámek, O.** (2009): Modeling Multiphase Reactive Transport in a Waste Rock Pile with Convective Oxygen Supply. *Vadose Zone Journal*, 8, 4, 1038–1050.

WoS: IF₂₀₁₇: 2,710; Q1 (18/90) in Water Resources; Q2 (9/34) in Soil Science; Q2 (85/241) in Environmental Sciences

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.

WoS: IF₂₀₁₇: 3,370; Q1 (7/29) in Mineralogy; Q2 (22/85) in Geochemistry & Geophysics

Gregerová, M., Všíanský, D. (2009): Identification of concrete deteriorating minerals by polarizing and scanning electron microscopy. *Materials Characterization*, 60, 7, 680–685.

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

Grygar, T., Světlík, I., **Lisá, L.**, Koptíková, L., Bajer, A., Wray, D.S., Ettler, V., Mihaljevič, M., Nováková, T., Koubová, M., Novák, J., Máčka, Z., Smetana, M. (2009): Geochemical tools for the stratigraphic correlation of floodplain deposits of the Morava River in Strážnické Pomoraví, Czech Republic from the last millennium. *Catena*, 80, 1, 106–121.

WoS: IF₂₀₁₇: 3,256; Q1 (39/189) in Geosciences, Multidisciplinary; Q1 (7/34) in Soil Science; Q2 (10/90) in Water Resources

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.

WoS: IF₂₀₁₇: 4,690; Q1 (5/85) in Geochemistry & Geophysics

Halavínová, M., Melichar, R., Slobodník M. (2009): Hydrothermal veins linked with Variscan structure of the Prague Synform (Barrandien, Czech Republic): resolving fluid-wall rock interaction. *Geological Quarterly*, 52, 4, 309–628.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Hladil, J., Koptíková, L., Galle, A., Sedláček, V., Pruner, P., Schnábl, P., Langrová, A., **Bábek, O.**, Fráňa, J., Hladíková, J., Otava, J., Geršl, M. (2009): Early Middle Frasnian platform reef strata in the Moravian Karst interpreted as recording the atmospheric dust changes: the key to understanding perturbations in the punctata conodont zone. *Bulletin of Geosciences*, 84, 1, 75–106.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 3,265; Q1 (38/189) in Geosciences, Multidisciplinary; Q2 (64/241) in Environmental Sciences

Kříbek, B., Žák, K., Dobes, P., **Leichmann, J.**, Pudilova, M., Rene, M., Scharm, B., Scharmova, M., Hajek, A., Holeczy, D., Hein, U.F., Lehmann, B. (2009): The Rozna uranium deposit (Bohemian Massif, Czech Republic): shear zone-hosted, late Variscan and post-Variscan hydrothermal mineralization. *Mineralium Deposita*, 44, 99–128.

WoS: IF₂₀₁₇: 3,370; Q1 (7/29) in Mineralogy; Q2 (22/85) in Geochemistry & Geophysics

Kučera, J., Cempírek, J., Dolníček, Z., Muchez, P., Prochaska, W. (2009): Rare earth elements and yttrium geochemistry of dolomite from post-Variscan vein-type mineralization of the Nížký Jeseník and Upper Silesian Basins. *Journal of Geochemical Exploration*, 103, 2-3, 69–79.

WoS: IF₂₀₁₇: 2,858; Q2 (29/85) in Geochemistry & Geophysics

Kučera, J., Muchez, P., **Slobodník, M.**, Prochaska, W. (2009): Geochemistry of highly saline fluids in the Moravo-Silesian Palaeozoic siliciclastic sequences: genetic implications. *International Journal of Earth Sciences*, 99, 269–284.

WoS: IF₂₀₁₇: 2,276; Q2 (81/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,706; Q1 (52/222) in Plant Sciences

Leichmann, J., Jacher-Sliwczynska, K., Broska, I. (2009): Element mobility and fluid path ways during feldspar alteration: textural evidence from cathodoluminescence and electron microprobe study of an example from tonalites (High Tatra). *Neues Jahrbuch für Mineralogie - Abhandlungen*, 186, 1, 1–10.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

Novák, M., Vieira, R., Lima, A., **Škoda, R.**, Martins, T., Anjos Ribeiro, M. (2009): Ferronigerite with dominant substitution $Ti_{0.5}Sn_{0.5}$ in muscovite+chlorite aggregate from massive quartz nodule associated with a petalite-rich aplite-pegmatite of the Barroso-Alvão pegmatite field, Northern Portugal. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 186, 67–78.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

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.

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

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.

WoS: IF₂₀₁₇: 1,656; Q1 (21/85) in Anthropology

Škácha, P., Goliáš, V., Sejkora, J., **Plášil, J.**, **Škoda, R.**, Ježek, J. (2009): Hydrothermal uranium-base metal mineralization of the Jánská vein, Březové Hory, Příbram, Czech Republic: lead isotopes and chemical dating of uraninite. *Journal of Geosciences*, 54, 1, 1–13.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) in Geochemistry & Geophysics

Zágoršek, K., Holcová, K., **Nehyba, S.**, Kroh, A., Hladilová, Š. (2009): The invertebrate fauna of the Middle Miocene (Lower Badenian) sediments of Kralice nad Oslavou (Central Paratethys, Moravian part of the Carpathian Foredeep). *Bulletin of Geosciences*, 84, 3, 465–496.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Žáček, V., **Škoda, R.**, Sulovský, P. (2009): U-Th-rich zircon, thorite and allanite-(Ce) as a main carriers of radioactivity in the highly radioactive ultrapotassic melasyenite porphyry from the Šumava Mts., Moldanubian Zone, Czech Republic. *Journal of Geosciences*, 54, 4, 343–354.

WoS: IF₂₀₁₇: 0,860; Q4 (167/189) in Geosciences, Multidisciplinary

2008 (celkem 23 článků, 8 studentů spoluautorů – červeně)

Bábek, O., Franců, E., **Kalvoda, J.**, Neubauer, F. (2008): A digital image analysis approach to measurement of the conodont colour alteration index (CAI): a case study from the Moravo-Silesian Zone, Czech Republic. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen* 249, 2, 185–201.

WoS: IF₂₀₁₇: 0,760; Q4 (48/55) in Paleontology

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.

WoS: IF₂₀₁₇: 2,627; Q2 (11/34) in Soil Science; Q2 (90/241) in Environmental Sciences

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 Ti₋₁. *Mineralogical Magazine*, 72, 6, 1317–1329.

WoS: IF₂₀₁₇: 1,744; Q3 (15/29) in Mineralogy

Doláková, N., **Brzobohatý, R.**, **Hladilová, Š.**, **Nehyba, S.** (2008): The red algal facies of the Lower Badenian limestones of the Carpathian Foredeep in Moravia (Czech Republic). *Geologica Carpathica*, 59, 2, 133–146.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 1,418; Q3 (50/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Grabowski, J., **Bábek, O.**, Nawrocki, J., Tomek, Č. (2008): New palaeomagnetic data from the palaeozoic carbonates of the Moravo-Silesian Zone (Czech Republic): evidence for a timing and origin of the late Variscan remagnetization. *Geological Quarterly*, 52, 4, 321–334.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Gregerová M., **Všianský, D.**, Hložek M. (2008): New findings on the ceramic petrography of the Loštice pottery. *Chemické listy*, 102, 2, 859–863.

WoS: IF₂₀₁₇: 0,260; Q4 (166/171) in Chemistry, Multidisciplinary

Hladil, J., Strnad, L., Šálek, M., Jankovská, V., Šimandl, P., Schwartz, J., Smolík, J., **Lisá, L.**, Koptíková, L., Rohovec, J., Böhmová, V., Langrová, A., Kociánová, M., **Melichar, R.**, Adamovič, J. (2008): An anomalous atmospheric dust deposition event over Central Europe, 24 March 2007, and fingerprinting of the SE Ukrainian source. *Bulletin of Geoscience*, 83, 2, 175–206.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (71/189) in Geosciences, Multidisciplinary; Q2 (23/49) in Geography, Physical

Ivanov, M. (2008): Early Miocene Amphibians (Caudata, Salientia) from the Mokrá-Western Quarry (Czech Republic) with comments on the evolution of Early Miocene amphibian assemblages in Central Europe. *Geobios*, 41, 4, 465–492.

WoS: IF₂₀₁₇: 1,205; Q3 (30/55) in Paleontology

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.

WoS: IF₂₀₁₇: 2,276; Q2 (81/189) in Geosciences, Multidisciplinary

Kováč, M., Andreyeva-Grigorovič, A., Bajraktarevic, Z., **Brzobohatý, R.**, Filipescu, S., Fodor, L., Harzhauzer, M., Nagymarosy, A., Oszczytko, N., Pavelić, D., Rögl, F., Saftić, B., Sliva, L., Studencka, B. (2007): Badenian evolution of the Central Paratethys Sea: paleogeography, climate and eustatic sea-level changes. *Geologica Carpathica*, 58, 6, 579–606.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Leichmann, J., Hoeck, V. (2008): The Brno Batholith: an insight into the magmatic and metamorphic evolution of the Cadomian Brunovistulian Unit, eastern margin of the Bohemian Massif. *Journal of Geosciences*, 53, 1, 281–305.

WoS: IF₂₀₁₇: 1,415; Q3 (18/29) in Mineralogy; Q3 (53/85) Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

Mukherjee, A., von Brömssen, M., Scanlon, B.R., Bhattacharya, P., Fryar, A.E., Aziz Hasan, M., Matin Ahmed K., Chatterjee, D., Jacks, G., **Šrámek, 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.

WoS: IF₂₀₁₇: 2,284; Q2 (24/90) in Water Resources; Q2 (79/189) in Geosciences, Multidisciplinary; Q2 (106/241) in Environmental Sciences

Nehyba, S., Petrová-Tomanová, P., Zagoršek, K. (2008): Sedimentological and palaeocological records of the evolution of the south-western part of the Carpathian Foredeep (Czech Republic) during the Early Badenian. *Geological Quarterly*, 52, 1, 45–60.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Novák, M., Johan, Z., **Škoda, R.**, Černý, P., Šrein, V., Veselovský, F. (2008): Primary oxide minerals in the system $WO_3 - Nb_2O_5 - TiO_2 - Fe_2O_3 - FeO$ and their breakdown products from the pegmatite No. 3 at Dolní Bory - Hatě, Czech Republic. *European Journal of Mineralogy*, 20, 4, 487–499.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

Novák, M., Sejkora, J., **Škoda, R.**, Budina, V. (2008): Bismutotantalite-stibiotantalite-stibiocolumbite assemblage from elbaite pegmatites at Molo near Momeik, northern Shan State, Myanmar. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 185, 17–26.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

Slobodník, M., Jacher-Śliwczyńska, 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.

WoS: IF₂₀₁₇: 2,276; Q2 (81/189) in Geosciences, Multidisciplinary

Smrčka, V., Erban, V., Hložek, M., **Gregerová, M.**, Dočkalová, M. (2008): Reconstruction of mobility: comparison between the analysis of Sr isotopes in a set of Neolithic skeletons from the Vedrovice cemetery, and the petrographical analysis of pottery in graves. *Anthropologie*, XLVI, 2-3, 233–238.

WoS: IF₂₀₁₇: 0,481; Q4 (69/85) in Anthropology

Vinšová, H., Jedináková-Křížová, V., Kolaříková, I., Adamcová, J., Příkryl, R., **Zeman, J.** (2008): The influence of temperature and hydration on the sorption properties of bentonite. *Journal of Environmental Radioactivity*, 99, 2, 415–425.

WoS: IF₂₀₁₇: 2,263; Q2 (109/241) in Environmental Sciences

von Brömssen, M., Hällér Larsson, S., Bhattacharya, P., Aziz Hasan, M., Matin Ahmed K., Jakariya, M., Mohiuddin A. S., **Šrámek, 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.
WoS: IF₂₀₁₇: 2,284; **Q2** (24/90) in Water Resources; **Q2** (79/189) in Geosciences, Multidisciplinary; **Q2** (106/241) in Environmental Sciences

2007 (celkem 25 článků, 10 studentů spoluautorů – červeně)

Bábek, O., Příkryl, T., Hladil, J. (2007): Progressive drowning of carbonate platform in the Moravo-Silesian Basin (Czech Republic) before the Frasnian/Famennian event: facies, compositional variations and gamma-ray spectrometry. *Facies*, 53, 2, 293–316.

WoS: IF₂₀₁₇: 1,367; **Q2** (20/47) in Geology; **Q2** (25/55) in Paleontology

Breiter, K., Škoda, R., Uher, P. (2007): Nb-Ta-Ti-W-Sn-oxide minerals as indicators of a peraluminous P- and F-rich granitic system evolution: Podlesí, Czech Republic. *Mineralogy and Petrology*, 91, 3-4, 225–248.

WoS: IF₂₀₁₇: 1,664; **Q3** (17/29) in Mineralogy; **Q3** (46/85) in Geochemistry & Geophysics

Brož, M., Kovářová, M., **Losos, Z.**, Linhartová, M., Vávra, V. (2007): The mineralogical research of manganese-phosphate crusts in the region of Hodušín-Božetice at Milevsko. *Acta Geodynamica et Geomaterialia*, 4, 2, 43–55.

WoS: IF₂₀₁₇: 0,886; **Q3** (15/20) in Mining & Mineral Processing; **Q4** (71/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics

Černý, P., **Novák, M.**, Chapman, R., Ferreira, K. (2007): Subsolidus behavior of niobian rutile from the Písek region, Czech Republic: a model for exsolution in W- and Fe²⁺->Fe³⁺-rich phases. *Journal of Geosciences*, 52, 1, 143–159.

WoS: IF₂₀₁₇: 1,415; **Q3** (18/29) in Mineralogy; **Q3** (53/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 1,511; **Q2** (19/55) in Paleontology

Dokoupilová, P., Šrámek, O., Losos, Z. (2007): Geochemical behavior and mineralogical transformations in a spontaneous combustion coal waste pile in Oslavany, Czech Republic. *Mineralogical Magazine*, 71, 4, 443–460.

WoS: IF₂₀₁₇: 1,744; **Q3** (15/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 6,653; **Q1** (4/50) in Engineering, Environmental; **Q1** (11,241) in Environmental Sciences

Hanžl, P., Janoušek, V., Žáček, V., **Willímský, D.**, Eichler, J., Erban, V., Pudilová, M., Chlupáčová, M., Buriánková, K., Mixa, P., Pecina, V. (2007): Magmatic history of granite-derived mylonites from the southern Deská Unit (Silesicum, Czech Republic). *Mineralogy and Petrology*, 89, 45–75.

WoS: IF₂₀₁₇: 1,664; **Q3** (17/29) in Mineralogy; **Q3** (46/85) in Geochemistry & Geophysics

Hasan, M.A., Ahmed, K.M., **Šrámek, 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.

WoS: IF₂₀₁₇: 2,071; **Q2** (88/189) in Geosciences, Multidisciplinary; **Q2** (33/90) in Water Resources

Ivanov M. (2007): Herpetological assemblages from the Pliocene to middle Pleistocene in Central Europe: the palaeoecological significance. *Geodiversitas*, 29, 2, 5–28.

WoS: IF₂₀₁₇: 1,024; **Q3** (36/55) in Paleontology

Kotková, J., Gerdes, A., Parrish, R.R., **Novák, M.** (2007): Clasts of Variscan high-grade rocks within Upper Visean 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.

WoS: IF₂₀₁₇: 4,418; **Q1** (2/47) in Geology

Kotková, J. (2007): High-pressure granulites of the Bohemian Massif: recent advances and open questions. *Journal of Geosciences*, 52, 1-2, 45–71.

WoS: IF₂₀₁₇: 1,415; **Q3** (18/29) in Mineralogy; **Q3** (53/85) in Geochemistry & Geophysics

Kováč, M., Andreyeva-Grigorovich, A., Bajraktarević, Z., **Brzobohatý, R.**, Filipescu, S., Fodor, L., Harzhauser, M., Oszczytko, N., Nagymarosy, A., Pavelić, D., Rögl, F., Saftić, B., Sliva, L., Studencka, B. (2007): Badenian evolution of the Central Paratethys Sea: paleogeography, paleoclimate and eustatic changes. *Geologica Carpathica*, 58, 6, 579–606.

WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Leichmann, J., **Novák, M.**, Buriánek, D., **Burger, D.** (2007): High-temperature to ultrahigh-temperature related to multiple ultrapotassic intrusions: evidence from garnet-sillimanite-cordierite kinzigite and garnet-orthopyroxene migmatites in the eastern part of the Moldanubian Zone (Bohemian Massif). *Geologica Carpathica*, 58, 5, 415–425.

WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Lenhardt, W., Svancara, J., **Melichar, P.**, Pazdírková, J., Havíř, J., Sykorová, Z. (2007): Seismic activity of the Alpine-Carpathian-Bohemian Massif region with regard to geological and potential field data. *Geologica Carpathica*, 58, 4, 397–412.

WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Milner, A.R., Klembara, J., **Dostál, O.** (2007): A Zatrachydoid Temnospondyl from the Lower Permian of the Boskovice Furrow in Moravia (Czech Republic). *Journal of Vertebrate Paleontology*, 27, 3, 711–715.

WoS: IF₂₀₁₇: 2,190; **Q1** (9/55) in Paleontology

Mucke, A., **Losos, Z.** (2007): The magnetite mineralizations of the Desná Group in the Silesicum, Czech Republic: petrographic, mineralogical, and geochemical studies and their genetic implications. *Journal of Geosciences*, 52, 3-4, 227–270.

WoS: IF₂₀₁₇: 1,415; **Q3** (18/29) in Mineralogy; **Q3** (53/85) in Geochemistry & Geophysics

Nehyba, S., Šikula, J. (2007): Depositional architecture, sequence stratigraphy and geodynamic development of the Carpathian Foredeep (Czech Republic). *Geologica Carpathica*, 58, 1, 53–69.

WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Novák, M., **Škoda, R.** (2007): Mn³⁺-rich andalusite to kanonaite and their breakdown products from metamanganolite at Kojetice near Třebíč, the Moldanubian Zone, Czech Republic. *Journal of Geosciences*, 52, 1, 161–167.

WoS: IF₂₀₁₇: 1,415; **Q3** (18/29) in Mineralogy; **Q3** (53/85) in Geochemistry & Geophysics

Prokop, J., Příkryl, T., **Dostál, O.**, Nel, A. (2007): *Oligaeschna kvaceki* sp. nov., a new fossil dragonfly (Odonata: Aeshnidae) from the middle Oligocene sediments of northern Moravia (Western Carpathians). *Geologica Carpathica*, 58, 2, 181–184.

WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Slobodník, M., Jacher-Śliwczynska, K., Taylor, C.M., Schneider, J., Dolníček, Z. (2007): 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.

WoS: IF₂₀₁₇: 2,276; **Q2** (81/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics

Vencelides, Z., Šrůček, O., Prommer, H. (2007): Iron cycling and its impact on the electron balance at a petroleum hydrocarbon contaminated site in Hnevice, Czech Republic. *Journal of Contaminant Hydrology*, 89, 3-4, 270–294.

WoS: IF₂₀₁₇: 2,284; Q2 (24/90) in Water Resources; Q2 (79/189) in Geosciences, Multidisciplinary; Q2 (106/241) in Environmental Sciences

von Brömssen, M., Jakariya, M., Bhattacharya, P., Ahmed, K.M., Hasan, M. A., Šrůček, 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.

WoS: IF₂₀₁₇: 4,610; Q1 (27/241) in Environmental Sciences

2006 (celkem 29 článků, 11 studentů spoluautorů – červeně)

Bábek, O., Tomek, Č., Melichar, R., Kalvoda, J., Otava, J. (2006): Structure of unmetamorphosed Variscan tectonic units of the southern Moravo-Silesian zone, Bohemian Massif: a review. *Neues Jahrbuch für Geologie und Paläontologie - Abhandlungen*, 239, 1, 37–75.

WoS: IF₂₀₁₇: 0,760; Q4 (48/55) in Paleontology

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.

WoS: IF₂₀₁₇: 2,906; Q1 (4/19) in Materials Science, Coatings & Films; Q2 (39/146) in Physics, Applied

Bertolo R., Hirata R., Šrůček, 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.

WoS: IF₂₀₁₇: 3,727; Q1 (7/128) in Engineering, Civil; Q1 (7/90) in Water Resources; Q1 (27/189) in Geosciences, Multidisciplinary

Bhattacharya, P., Claesson, M., Bundschuh, J., Šrůček, O., Fagerberg, J., Jacks, G., Martin, R.A., del Stornio, 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.

WoS: IF₂₀₁₇: 4,610; Q1 (27/241) in Environmental Sciences

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.

WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Devuyst, F.-X., Kalvoda J. (2006): 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.

WoS: IF₂₀₁₇: 1,511; Q2 (19/55) in Paleontology

Devuyst, F.-X., Hance, L., Poty, E. (2006): Moliniacian. *Geologica Belgica*, 9, 1-2, 123–131.

WoS: IF₂₀₁₇: 0,914; Q3 (30/47) in Geology

Doležalová, H., Houzar, S., Losos, Z., Škoda, R. (2006): Kinoshitalite with a high magnesium content in sulphide-rich marbles from the Rožná uranium deposit, Western Moravia, Czech Republic. *Neues Jahrbuch für Mineralogie - Abhandlungen*, 182, 2, 165–171.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 4,358; Q1 (39/241) in Environmental Sciences

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

WoS: IF₂₀₁₇: 4,610; Q1 (27/241) in Environmental Sciences

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 1,679; Q3 (16/29) in Mineralogy; Q3 (171/285) in Materials Science, Multidisciplinary

Hance, L., Poty, E., **Devuyst, F.-X.** (2006): Tournaisian. *Geologica Belgica*, 9, 1-2, 47–53.

WoS: IF₂₀₁₇: 0,914; Q3 (30/47) in Geology

Hance, L., Poty, E., **Devuyst, F.-X.** (2006): Visean. *Geologica Belgica*, 9, 1-2, 55–62.

WoS: IF₂₀₁₇: 0,914; Q3 (30/47) in Geology

Hance, L., Poty, E., **Devuyst, F.-X.** (2006): Ivorian. *Geologica Belgica*, 9, 1-2, 117–122.

WoS: IF₂₀₁₇: 0,914; Q3 (30/47) in Geology

Hladilová, Š. (2006): Schultz O., Piller W.E., Hg.: *Catalogus Fossilium Austriae Band 1/Teil 2 Bivalvia neogenica (Lucinoidea-Mactroidea), Band 1/Teil 3 Bivalvia neogenica (Solenioidea-Clavagelloidea)*-review. *Bulletin of Geosciences*, 81, 3, 214.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

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

WoS: IF₂₀₁₇: 1,844; Q2 (12/29) in Mineralogy

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.

WoS: IF₂₀₁₇: 2,686; Q2 (32/85) in Geochemistry & Geophysics

Kvaček, Z., Kováč, M., Kovar-Eder, J., **Doláková, N., Jechorek, H., Parashiv, V., Kováčová, M., Sliva, E.** (2006): Miocene evolution of landscape and vegetation in the Central Paratethys. *Geologica Carpathica*, 57, 4, 295–310.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Leichmann, J., Hejl, E. (2006): Volcanism on Anafi island: short living, extensional, hydromagmatic volcanism in the central part of the South Aegean volcanic chain (Greece). *Neues Jahrbuch für Mineralogie - Abhandlungen*, 182, 3, 231–240.

WoS: IF₂₀₁₇: 0,614; Q4 (27/29) in Mineralogy

Menning, M., Alekseev, A.S., Chuvashov, B.I., Davydov, V.I., **Devuyst, 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.

WoS: IF₂₀₁₇: 2,375; Q1 (5/55) in Paleontology; Q2 (71/189) in Geosciences, Multidisciplinary; Q2 (23/49) in Geography, Physical

Mücke, A., **Fojt, B., Skácel, J.** (2006): The Malé Vrbno magnetite occurrence of the Velké Vrbno Unit, Czech Republic: petrology, mineralogy, geochemistry and genesis. *Chemie der Erde - Geochemistry*, 66, 2, 109–127.

WoS: IF₂₀₁₇: 1,723; Q3 (45/85) in Geochemistry & Geophysics

Poty, E., **Devuyst, 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.
WoS: IF₂₀₁₇: 2,341; **Q2** (74/189) in Geosciences, Multidisciplinary

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.
WoS: IF₂₀₁₇: 4,361; **Q1** (1/20) in Limnology; **Q1** (4/90) in Water Resources; **Q1** (38/241) in Environmental Sciences

Šlesarová, A., **Zeman, J.**, Kušnierová, M. (2006): Vývoj kvality banských vôd na ložisku Smolník. *Acta montanistica Slovaca*, 11, 4, 245–250.
WoS: IF₂₀₁₇: 0,973; **Q3** (14/20) in Mining & Mineral Processing; **Q4** (158/189) in Geosciences, Multidisciplinary

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.
WoS: IF₂₀₁₇: 2,341; **Q2** (74/189) in Geosciences, Multidisciplinary

Šrámek, O., Gelinás, P., Lefebvre, R., Nicholson, R.V. (2006): Comparison of methods for the estimation of pyrite oxidation rate in a waste rock pile at Mine Doyon site, Quebec, Canada. *Journal of Geochemical Exploration*, 91, 1-3, 99–109.
WoS: IF₂₀₁₇: 2,858; **Q2** (29/85) in Geochemistry & Geophysics

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.
WoS: IF₂₀₁₇: 1,844; **Q2** (12/29) in Mineralogy

2005 (celkem 7 článků, 5 studentů spoluautorů – červeně)

Bartáková, I., **Zeman, J.** (2005): Steady states establishment during pyrite oxidation. *Chemické listy*, 99, 14, 533–535.
WoS: IF₂₀₁₇: 0,260; **Q4** (166/171) in Chemistry, Multidisciplinary

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.
WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics

Breiter, K., **Novák, M.**, Koller, F., **Cempírek, J.** (2005): Phosphorus – an omnipresent minor element in garnet of diverse textural types from leucocratic granitic rocks. *Mineralogy and Petrology*, 85, 3-4, 205–221.
WoS: IF₂₀₁₇: 1,664; **Q3** (17/29) in Mineralogy; **Q3** (46/85) Geochemistry & Geophysics

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.
WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics

Faimon, J. (2005): Shaping of clay fragments during transport: a theoretical model. *Geologica Carpathica*, 56, 5, 455–460.
WoS: IF₂₀₁₇: 1,169; **Q4** (147/189) in Geosciences, Multidisciplinary

Faimon, J. (2005): Total dynamics of quartz–water system at ambient conditions. *Aquatic Geochemistry*, 11, 2, 139–172.
WoS: IF₂₀₁₇: 1,418; **Q3** (50/85) in Geochemistry & Geophysics

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.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

2004 (celkem 17 článků, 4 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., **Šrámek, O.** (2004): Arsenic enrichment in groundwater of the alluvial aquifers in Bangladesh: An overview. *Applied Geochemistry*, 19, 2, 181–200.

WoS: IF₂₀₁₇: 3,088; Q2 (24/85) in Geochemistry & Geophysics

Almeida, R.M.R., Lauria, D.C., Ferreira, A.C., **Šrámek, O.** (2004): Groundwater Radon, Radium and Uranium Concentrations in Região dos Lagos, Rio de Janeiro State, Brazil. *Journal of Environmental Radioactivity*, 73, 3, 323–334.

WoS: IF₂₀₁₇: 2,263; Q2 (109/241) in Environmental Sciences

Baroň, I., Cílek, V., Krejčí, O., **Melichar, R.**, Hubatka, F. (2004): Structure and dynamics of deep-seated slope failures in the Magura Flysch Nappe, outer Western Carpathians (Czech Republic). *Natural Hazards and Earth System Sciences*, 4, 4, 549–562.

WoS: IF₂₀₁₇: 2,281; Q2 (25/90) in Water Resources; Q2 (34/86) in Meteorology & Atmospheric Sciences; Q2 (80/189) in Geosciences, Multidisciplinary

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.

WoS: IF₂₀₁₇: 3,570; Q2 (19/85) in Geochemistry & Geophysics

Faimon, J., Nehyba, S. (2004): The formation of spherical clay balls on the slopes of sandpit quarry, the Rudice-Šec (Czech Republic). *Catena*, 58, 1, 23–40.

WoS: IF₂₀₁₇: 3,256; Q1 (10/90) in Water Resources; Q1 (7/34) in Soil Science; Q1 (39/189) in Geosciences, Multidisciplinary

Geršl, M., Hladil, J. (2004): Gamma-ray and magnetic susceptibility correlation across a Frasnian carbonate platform and the search for “punctata” in stromatopoid-coral limestone facies of Moravia. *Geological Quarterly*, 48, 3, 283–292.

WoS: IF₂₀₁₇: 1,128; Q3 (26/47) in Geology

Geršl, M., Hladil, J. (2004): Weathering products trapped in pure platform limestones: Geochemical picture of magnetic susceptibility and gamma-ray variations. *Geochimica et Cosmochimica Acta*, 68, 11, A446.

WoS: IF₂₀₁₇: 4,690; Q1 (5/85) in Geochemistry & Geophysics

Komárek, M., **Zeman, J.** (2004): Dynamics of Cu, Zn, Cd, and Hg release from sediments at surface conditions. *Bulletin of Geosciences*, 79, 2, 99–106.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Kotková, J. (2004): Geology without frontiers: magmatic and metamorphic evolution of Central European variscides. *Episodes*, 27, 1, 49–50.

WoS: IF₂₀₁₇: 1,614; Q3 (117/189) in Geosciences, Multidisciplinary

Losos, Z., Beran, A. (2004): OH defects in cassiterite. *Mineralogy and Petrology*, 81, 3-4, 219–234.

WoS: IF₂₀₁₇: 1,664; Q3 (17/29) in Mineralogy; Q3 (46/85) in Geochemistry & Geophysics

Nehyba, S., Hladilová, Š. (2004): Relics of the most distal part of the Neogene foreland basin in SW Moravia. *Bulletin of Geosciences*, 79, 2, 113–120.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Novák, M., Černý, P., **Cempírek, J.**, Šrein, V., **Filip, J.** (2004): Ferrotapiolite as pseudomorph of stibiotantalite from the Laštovičky lepidolite pegmatite, Czech Republic; an example of hydrothermal alteration at constant Ta/(Ta+Nb). *Canadian Mineralogist*, 42, 4, 1117–1128.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Novák, M., Povondra, P., Selway, J.B. (2004): Schorl-oxy-schorl to dravite-oxy-dravite tourmaline from granitic pegmatites; examples from the Moldanubicum, Czech Republic. *European Journal of Mineralogy*, 16, 2, 323–333.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

Sejkora, J., Čejka, J., Hloušek, J., **Novák, M.**, Šrein, V. (2004): Phosphowalpurkite, the (PO₄)-dominant analogue of walpurkite, from Smrkovec, Slavkovský Les Mountains, Czech Republic. *Canadian Mineralogist*, 42, 4, 963–972.

WoS: IF₂₀₁₇: 0,945; Q4 (25/29) in Mineralogy

Šikula, J., **Nehyba, S.** (2004): Lithofacies analysis of Miocene sediments in the southern part of Carpathian Foredeep, based on the re-interpretation of drill logging data. *Bulletin of Geosciences*, 79, 3, 167–176.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Šrámek, O., Bhattacharya, P., Jacks, G., Gustafsson, J.P., von Brömssen, M. (2004): Behavior of arsenic and geochemical modeling of arsenic enrichment in aqueous environment. *Applied Geochemistry*, 19, 2, 169–180.

WoS: IF₂₀₁₇: 3,088; Q2 (24/85) in Geochemistry & Geophysics

Šrámek, O., Choquette, M., Gelinas, P., Lefebvre, R., Nicholson, R.V. (2004): Geochemical characterization of acid mine drainage from a waste rock pile, Mine Doyon, Québec, Canada. *Journal of Contaminant Hydrology*, 69, 1-2, 45–71.

WoS: IF₂₀₁₇: 2,284; Q2 (24/90) in Water Resources; Q2 (79/189) in Geosciences, Multidisciplinary; Q2 (106/241) in Environmental Sciences

2003 (celkem 17 článků, 3 studenti spoluautoři – červeně)

Černý, P., Chapman, R., Teertstra, D.K., **Novák, M.** (2003): Rubidium- and cesium-dominant micas in granitic pegmatites. *American Mineralogist*, 88, 11-12, 1832–1835.

WoS: IF₂₀₁₇: 2,645; Q2 (9/29) in Mineralogy; Q2 (33/85) in Geochemistry & Geophysics

Faimon, J., **Štelcl, J.**, Kubešová, S., Zimák, J. (2003): Environmentally acceptable effect of hydrogen peroxide on cave "lamp-flora", calcite speleothems and limestones. *Environmental Pollution*, 122, 3, 417–422.

WoS: IF₂₀₁₇: 4,358; Q1 (39/241) in Environmental Sciences

Faimon, J. (2003): Formation of Colloidal Silica and Alumina During Experimental Granodiorite Weathering. *Aquatic Geochemistry*, 9, 4, 305–341.

WoS: IF₂₀₁₇: 1,418; Q3 (50/85) in Geochemistry & Geophysics

Harzhauser, M., Kovar-Eder, J., **Nehyba, S.**, Strobitzner-Hermann, M., Schwarz, J., Wojcicki, J., Zorn, I. (2003): An Early Pannonian (late Miocene) transgression in the Northern Vienna Basin. The paleontological feedback. *Geologica Carpathica*, 54, 1, 41–52.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Hladil, J., Bosák, P., Slavík, L., Carew, J.L., Mylroie, J.E., **Geršl, M.** (2003): A pragmatic test of the early origin and fixation of gamma-ray spectrometric (U, Th) and magneto-susceptibility (Fe) patterns related to sedimentary cycle boundaries in pure platform limestones. *Carbonates and Evaporites*, 18, 2, 89–107.

WoS: IF₂₀₁₇: 0,947; Q3 (29/47) in Geology

Hladil, J., Bosák, P., Slavík, L., Carew, J.L., Mylroie, J.E., **Geršl, M.** (2003): Early diagenetic origin and persistence of gamma-ray and magnetosusceptibility patterns in platform carbonates: comparison of Devonian and Quaternary section. *Physics and Chemistry of the Earth*, 28, 16-19, 719–727.

WoS: IF₂₀₁₇: 1,923; Q2 (39/90) in Water Resources; Q2 (93/189) in Geosciences, Multidisciplinary; Q3 (45/86) Meteorology & Atmospheric Sciences

Hladil, J., Patočka, F., Kachlík, V., **Melichar, R.**, Hubačík, M. (2003): Metamorphosed carbonates of Krkonoše Mountains and Paleozoic evolution of Sudetic terranes (NE Bohemia, Czech Republic). *Geologica Carpathica*, 54, 5, 281–297.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Houzar, S., **Leichmann, J.** (2003): Application of Cathodoluminescence to the study of metamorphic textures in marbles from the eastern part of the Bohemian Massif. *Bulletin of Geosciences*, 78, 3, 241–250.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Jiang, S.-Y., Yang, J.H., **Novák, M.**, Selway, J.B. (2003): Chemical and boron isotopic compositions of tourmaline from the Lavičky leucogranite, Czech Republic. *Geochemical Journal*, 37, 5, 545–556.

WoS: IF₂₀₁₇: 1,057; Q4 (64/85) in Geochemistry & Geophysics

Kalvoda, J., Leichmann, J., Bábek, O., **Melichar, R.** (2003): Brunovistulian Terrane (Central Europe) and Istanbul Zone (NW Turkey): Late Proterozoic and Paleozoic tectonostratigraphic development and paleogeography. *Geologica Carpathica*, 54, 3, 139–152.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary

Kalvoda, J. (2003): Carboniferous foraminiferal paleobiogeography in Turkey and its implications for plate tectonic reconstructions. *Rivista Italiana di Paleontologia e Stratigrafia*, 109, 2, 255–265.

WoS: IF₂₀₁₇: 0,978; Q3 (28/47) in Geology; Q3 (37/56) in Paleontology

Koubová, M., Zeman, J., Müller, P. (2003): Mineralogy, petrography and geochemistry of sediments used in pollutant sorption experiments. *Bulletin of Geosciences*, 78, 3, 163–168.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Leichmann, J., Broska, I., **Zachovalová, K.** (2003): Low-grade metamorphic alteration of feldspar minerals: a CL study. *Terra Nova*, 15, 2, 104–108.

WoS: IF₂₀₁₇: 2,229; Q2 (82/189) in Geosciences, Multidisciplinary

Müllerová, H., Kruml, O., Vybíhal, K., **Zeman, J.,** Müller, P. (2003): Adsorption of copper and cadmium from aqueous solution by various types of sediments under static and dynamic conditions. *Bulletin of Geosciences*, 78, 3, 169–178.

WoS: IF₂₀₁₇: 1,395; Q2 (23/55) in Paleontology; Q3 (130/189) in Geosciences, Multidisciplinary

Nerudová, Z., Hložek, M., **Gregerová, M.,** Havlica, J. (2003): Analysis of a burnt clay fragment from the palaeolithic site Brno-Bohunice I. *Anthropologie*, 41, 3, 295–298.

WoS: IF₂₀₁₇: 0,481; Q4 (69/85) in Anthropology

Novák, M., Černý, P., Uher, P. (2003): Extreme variation and apparent reversal of Nb-Ta fractionation in columbite-group minerals from the Scheibengraben beryl-columbite pegmatite, Maršíkov, Czech Republic. *European Journal of Mineralogy*, 15, 3, 565–574.

WoS: IF₂₀₁₇: 1,190; Q4 (22/29) in Mineralogy

Vavrdová, M., Mikuláš, R., **Nehyba, S.** (2003): Lower Cambrian siliciclastic sediments in Southern Moravia (Czech Republic) and their paleogeographical constraints. *Geologica Carpathica*, 52, 2, 67–79.

WoS: IF₂₀₁₇: 1,169; Q4 (147/189) in Geosciences, Multidisciplinary