

Přehled publikací učitelů/studentů ÚGV PřF MU v Brně v časopisech 1. a 2. kvartilu 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 26 článků, 13 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

Čopjaková, R., **Kotková, J.** (2018): Composition of barian mica in multiphase soil 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

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

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

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

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

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

Petrík, J., Petr, L., **Adameková, K.**, **Prišťáková M.**, Potůčková, A., **Lendáková, Z.**, Fraczek, M., Dresler, P., Macháček, J., Kalicki, 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

Petrík, 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; **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

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

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

Šolcová, A., Petr, L., Hájková, P., **Petrík, 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

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., Özbal, 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): Microproblematica, 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 22 článků, 10 studentů spoluautorů – červeně)

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

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., Horský, M. (2017): Middle Pleniglacial pedogenesis on the northwestern edge of the Carpathian basin: A multidisciplinary investigation of the Bňa 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., 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

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

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

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

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

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

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

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., Kaski, 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

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

Výravský, J., Novák, M., Škoda, R. (2017): Formation of pretulite (ScPO_4) 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

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

2016 (celkem 22 článků, 15 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

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 $\text{Al}_{16}\text{S}_4\text{Si}_4\text{O}_{38}$, a new mineral related to boralsilite, $\text{Al}_{16}\text{B}_6\text{Si}_2\text{O}_{37}$, 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., Martínez, 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: 3,088; Q2 (24/85) in Geochemistry & Geophysics

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

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

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

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

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

Petřík, 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

Petřík, 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

Pračný, 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

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

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 15 článků, 5 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 apatite at Reinhardtsrieth: A keystone in the lateral and depth zonations of the Hagedorf-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

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., **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

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

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., Sázelová S., Smolíková, L., Zikmund, T. (2015): Dolní Věstonice IIa: Gravettian microstratigraphy, environment, and the origin of baked clay production in Moravia. *Quaternary International*, 359, 195–210.

WoS: IF₂₀₁₇: 2,163; **Q2** (85/189) in Geosciences, Multidisciplinary

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

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 Carpathians' foreland (NE Bohemian Massif). *International Journal of Earth Sciences*, 104, 4, 963–990.

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

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

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

2014 (celkem 18 článků, 6 studentů spoluautorů – červeně)

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

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

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

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

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

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

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

- 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
- 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
- Plášil, J., Veselovský, F., Hloušek, J., **Škoda, R.,** Novák, M., Sejkora, J., Čejka, J., Škácha, P., Kasatkin, A. (2014): Mathesiusite, $K_5(UO_2)_4(SO_4)_4(VO_5)(H_2O)_4$, 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
- 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
- Vašinová Galiová, M., **Čopjaková, R., Škoda, R.,** Štěpánková, K., Vaňková, M., Kuta, J., Prokeš, L., Kynický, J., Kanický, V. (2014): 2D elemental mapping of sections of human kidney stones using ablation inductively-coupled plasma-mass spectrometry: Possibilities and limitations. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 100, 105–115.
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., **Petrík, 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

2013 (celkem 15 článků, 7 studentů spoluautorů - červeně)

Bábek, O., Kalvoda, J., Cossey, P., **Šimíček, D.**, Devuyst, F., Hargreaves, S. (2013): Facies and petrophysical signature of the Tournaisian/Viséan (Lower Carboniferous) sea-level cycle in carbonate ramp to basinal settings of the Wales-Brabant massif, British Isles. *Sedimentary Geology*, 284-285, 1, 197–213.
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⁺₂Al)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

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

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

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

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

Nejman, L., Wright, D., **Lisá, L., Doláková, N.,** Horáček, I., Novák, J., Wood, R., Pacher, M., Sázelová, 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

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

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

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(Si₅O₁₂)(OH)₂ · 6H₂O. *American Mineralogist* 98, 4, 718–723.

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

Vlačíky, 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

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

2012 (celkem 14 článků, 7 studentů spoluautorů - červeně)

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

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

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

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.

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, K₂(UO₂)₂(Si₅O₁₃) · 4H₂O. *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

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

Majzlan, J., Drahotka, P., Filippi, M., Grevel, K.-D., Kahl, W.-A., **Plášil, J.**, Boerio-Goates, J., Woodfield, B.F. (2012): Thermodynamic properties of scorodite and parascorodite (FeAsO₄ · 2H₂O), kaňkite (FeAsO₄ · 3.5H₂O), and FeAsO₄. *Hydrometallurgy*, 117-118, 47–56.

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

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, Cu₃(OH)₂[(UO₂)₄O₄(SO₄)₂](H₂O)₁₂. *American Mineralogist*, 97, 1796–1803.

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

Plášil, J., Hloušek, J., Veselovský, F., Fejfarová, K., Dušek, M., **Škoda, R.**, **Novák, M.**, Čejka, J., Ondruš, P. (2012): Adolfpateraite, K[(UO₂)(SO₄)(OH)(H₂O)], 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

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

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), CaNdAl₂Fe²⁺(SiO₄)(Si₂O₇)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

2011 (celkem 14 článků, 10 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

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

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

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

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

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

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

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., Nývtová 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

2010 (celkem 14 článků, 4 studenti spoluautoři – červeně)

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 grandidierite, 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

Doláková, N., **Roszková, 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

Frost, R.L., Bahfenne, S., Čejka, J., Sejkora, J., Palmer, S.L., **Škoda, R.** (2010): Raman microscopy of haidingerite $\text{Ca}(\text{AsO}_3\text{OH}) \cdot \text{H}_2\text{O}$ and brassite $\text{Mg}(\text{AsO}_3\text{OH}) \cdot 4\text{H}_2\text{O}$. *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

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

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

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

2009 (celkem 17 článků, 7 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

Bradák, B., Szakmány, G., Jósza, S., **Přichystal, A.** (2009): Application of magnetic susceptibility measurement on polished stone tools from Western Hungary and Eastern Part of the Czech Republic (Central Europe). *Journal of Archeological Science*, 36, 10, 2437–2444.
WoS: IF₂₀₁₇: 3,061; **Q2** (49/189) in Geosciences, Multidisciplinary

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., **Všianský, 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

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

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

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

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

2008 (celkem 9 článků, 3 studenti spoluautoři – červeně)

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

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

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

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

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

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

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

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

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

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., Häller 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 11 článků, 4 studenti spoluautoři – 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

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

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

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

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

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

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

Slobodník, M., Jacher-Śliwaczyńska, 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., **Šrámek, 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., **Šrámek, 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 16 článků, 6 studentů spoluautorů – červeně)

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

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

Bertolo R., Hirata R., **Šrámek, O.** (2006): Geochemistry and geochemical modeling of unsaturated zone in a tropical region in Urânia, 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., **Šrámek, 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

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

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 Císařská 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

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

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

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

Poty, E., **Devuyst, F.-X.**, Hance, L. (2006): Upper Devonian and Mississippian foraminiferal and rugose coral zonations 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

Slobodník, M., Múchez, 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

Šráček, 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 2 články, 2 studenti spoluautoři – červeně)

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

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

2004 (celkem 11 článků, 1 student spoluautor – 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., **Šrůček, 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., **Šrůček, 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., Čílek, 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): 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

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

Šíkula, 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

Šrůček, 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

Šrůček, 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 7 článků, 2 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

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

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

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

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