

## **Přehled publikací pracovníků/studentů ÚGV PŘF MU Brno v časopisech 1./2. kvartilu v období 2003-2020**

**2020 (celkem 15 článků, 5 studentů spoluautorů – červeně)**

Barros, R., Kaeter, D., Menuge, J.F., **Škoda, R.** (2020): Controls on chemical evolution and rare element enrichment in crystallising albite-spodumene pegmatite and wallrocks: Constraints from mineral chemistry. *Lithos*, 352, 105289. doi: 10.1016/j.lithos.2019.105289

**WoS:** IF<sub>2019</sub>: 3,390; **Q2** (22/85) in Geochemistry & Geophysics; **Q2** (8/30) in Mineralogy; počet citací: 0

**Berčáková, A., Melichar, R.,** Souček, K. (2020): Mechanical Properties and Failure Patterns of Migmatized Gneiss with Metamorphic Foliation Under UCS Test. *Rock Mechanics and Rock Engineering*, 53, 2007–2013. doi: 10.1007/s00603-019-02012-2

**WoS:** IF<sub>2019</sub>: 4,140; **Q1** (5/39) in Engineering, Geological; **Q1** (24/200) in Geosciences, Multidisciplinary; počet citací: 1

**Blaško, D., Nehyba, S.** (2020): Synchrony evolution of two contradictory prograding Gilbert-type deltas at the margins of the foreland basin (case study from the Neogene Western Carpathian Foredeep). *Marine and Petroleum Geology*, 118, 104407. doi: 10.1016/j.marpetgeo.2020.104407

**WoS:** IF<sub>2019</sub>: 3,790; **Q1** (31/200) in Geosciences, Multidisciplinary; počet citací: 0

Boriová, S., Sázellová, S., Novák, M., **Štelcl, J.,** Svoboda, J. (2020): Human and non-human taphonomic effects on faunal remains from the Late Upper Paleolithic: a case study from the Stránská skála IV site, Czech Republic. *International Journal of Osteoarchaeology*, 30,2, 155–169. doi: 10.1002/oa.2843

**WoS:** IF<sub>2019</sub>: 1,228; **Q2** (38/90) in Anthropology; počet citací: 1

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

**WoS:** IF<sub>2019</sub>: 2,882; **Q2** (40/93) in Meteorology & Atmospheric Sciences; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 3,025; **Q1** 7/47) in Geology; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 4,202; **Q1** (22/200) in Geosciences, Multidisciplinary; počet citací: 0

**Kumpan, T., Kalvoda, J.,** Bábek, O., Matys Grygar, T., Frýda, J. (2020): The Devonian-Carboniferous boundary in the Moravian Karst (Czech Republic). *Palaeobiodiversity and Palaeoenvironments*. In press. doi: 10.1007/s12549-019-00409-z

**WoS:** IF<sub>2019</sub>: 1,573; **Q3** (36/59) in Biodiversity Conservation; **Q2** (27/55) in Paleontology; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 3,527; **Q2** (80/265) in Environmental Sciences; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 2,922; Q2 (33/85) in Geochemistry & Geophysics; Q2 (10/30) in Mineralogy; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 6,551; Q1 (22/265) in Environmental Sciences; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 2,728; Q1 (8/47) in Geology; počet citací: 0

Spalletta, C., Corradini, C., Feist, R., Korn, D., **Kumpan, T.**, Perri, M.C., Pondrelli, M., Venturini, C. (2020): The Devonian-Carboniferous boundary in the Carnic Alps (Austria and Italy). *Palaeobiodiversity and Palaeoenvironments*. In press. doi: 10.1007/s12549-019-00413-3

**WoS:** IF<sub>2019</sub>: 1,573; Q3 (36/59) in Biodiversity Conservation; Q2 (27/55) in Paleontology; počet citací: 1

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

**WoS:** IF<sub>2019</sub>: 2,180; Q3 (147/265) in Environmental Sciences; Q3 (103/200) in Geosciences, Multidisciplinary; Q2 (43/94) in Water Resources; počet citací: 0

## 2019 (celkem 26 článků, 8 studentů spoluautorů – červeně)

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

**WoS:** IF<sub>2018</sub>: 3,909; Q1 (4/38) in Engineering, Geological; Q1 (30/196) Geosciences, Multidisciplinary; počet citací: 0

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

**WoS:** IF<sub>2018</sub>: 2,764; Q2 (34/84) in Geochemistry & Geophysics; počet citací: 6

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

**WoS:** IF<sub>2018</sub>: 1,500; Q2 (20/57) in Paleontology; Q3 (138/196) in Geosciences, Multidisciplinary; počet citací: 1

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

**WoS:** IF<sub>2018</sub>: 2,720; Q2 (31/86) in Meteorology & Atmospheric Sciences; počet citací: 1

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*. doi: 10.1080/08912963.2017.1417404

**WoS:** IF<sub>2018</sub>: 1,489; Q2 (22/57) in Paleontology; počet citací: 12

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

**WoS:** IF<sub>2018</sub>: 1,366; Q2 (24/57) in Paleontology; počet citací: 0

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

WoS: IF<sub>2018</sub>: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 0

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

WoS: IF<sub>2018</sub>: 1,489; Q2 (22/57) in Paleontology; počet citací: 2

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

WoS: IF<sub>2018</sub>: 3,913; Q1 (16/84) in Geochemistry & Geophysics; Q1 (3/29) in Mineralogy; počet citací: 1

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

WoS: IF<sub>2018</sub>: 3,538; Q1 (39/196) in Geosciences, Multidisciplinary; počet citací: 0

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

WoS: IF<sub>2018</sub>: 2,616; Q1 (4/57) in Paleontology; Q2 (25/50) in Geography, Physical; Q2 (70/196) in Geosciences, Multidisciplinary; počet citací: 7

Kasatkin, A.V., Camara, F., Chukanov, N.V., Škoda, R., Nestola, F., Agakhanov, A.A., Belakovskiy, D.I., Lednyov, V.S. (2019): Patynite, NaKCa<sub>4</sub>[Si<sub>9</sub>O<sub>23</sub>], a New Mineral from the Patynskiy Massif, Southern Siberia, Russia, *Minerals*, 9, 10, 611. doi: 10.3390/min9100611

WoS: IF<sub>2018</sub>: 2,250; Q2 (12/29) in Mineralogy; Q2 (6/19) in Mining & Mineral Processing; počet citací: 1

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

WoS: IF<sub>2018</sub>: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 0

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

WoS: IF<sub>2017</sub>: 2,575; Q1 (9/47) in Geology; počet citací: 8

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

WoS: IF<sub>2018</sub>: 1,818; Q1 (11/57) in Paleontology; počet citací: 1

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

WoS: IF<sub>2018</sub>: 3,315; Q1 (7/29) in Mineralogy; Q1 (3/19) in Mining & Mineral Processing; Q2 (39/138) in Engineering, Chemical; počet citací: 0

Ondrejka, M., Bačík, P., Sobocký, T., Uher, P., Škoda, R., Mikuš, T., Luptáková, J., Konečný, P. (2019): Minerals of the rhabdophane group and the alunite supergroup in microgranite: products of low-temperature alteration in a highly acidic environment from the Velence Hills, Hungary (Vol 82, pg 1277, 2018). *Mineralogical Magazine*, 83, 2, 321. doi: 10.1180/mgm.2019.13

WoS: IF<sub>2018</sub>: 2,210; Q2 (13/29) in Mineralogy; počet citací: 0

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

**WoS**: IF<sub>2018</sub>: 5,330; **Q1** (18/103) in Energy & Fuels; **Q1** (9/196) in Geosciences, Multidisciplinary; počet citací: 0

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

**WoS**: IF<sub>2018</sub>: 3,618; **Q1** (19/84) in Geochemistry & Geophysics; počet citací: 2

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

**WoS**: IF<sub>2018</sub>: 2,597; **Q2** (71/196) in Geosciences, Multidisciplinary; počet citací: 1

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

**WoS**: IF<sub>2018</sub>: 2,663; **Q1** (2/57) in Paleontology; počet citací: 0

Sracek, O., Geršl, M., **Faimon, J.**, **Bábek, O.** (2019): The geochemistry and origin of fluids in the carbonate structure of the Hranice Karst with the world's deepest flooded cave of the Hranická Abyss, Czech Republic. *Applied Geochemistry*, 100, 203–212. doi: 10.1016/j.apgeochem.2018.11.013

**WoS**: IF<sub>2018</sub>: 2,894; **Q2** (29/84) in Geochemistry & Geophysics; počet citací: 2

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

**WoS**: IF<sub>2018</sub>: 2,250; **Q2** (29/84) in Geochemistry & Geophysics; počet citací: 1

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

**WoS**: IF<sub>2018</sub>: 5,589; **Q1** (27/250) in Environmental Sciences; počet citací: 6

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

**WoS**: IF<sub>2018</sub>: 2,943; **Q1** (20/87) in Polymer Science; **Q1** (5/33) in Materials Science, Characterization & Testing; počet citací: 1

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

**WoS**: IF<sub>2018</sub>: 2,909; **Q1** (10/170) in Zoology; počet citací: 1

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

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

**WoS**: IF<sub>2017</sub>: 3,992; **Q2** (13/149) in Evolutionary Biology; počet citací: 1

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

**WoS**: IF<sub>2017</sub>: 2,575; **Q1** (4/47) in Geology; počet citací: 6

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

**WoS:** IF<sub>2017</sub>: 3,982; **Q1** (8/49) in Geography, Physical; **Q1** (20/190) in Geosciences, Multidisciplinary; počet citací: 8

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

**WoS:** IF<sub>2017</sub>: 3,811; **Q1** (1/36) in Engineering, Geological; **Q1** (25/190) in Geosciences, Multidisciplinary; počet citací: 6

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

**WoS:** IF<sub>2017</sub>: 4,019; **Q2** (32/123) in Microbiology; počet citací: 1

**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. doi: 10.1007/s00410-018-1534-6

**WoS:** IF<sub>2017</sub>: 3,626; **Q1** (6/29) in Mineralogy; **Q1** (17/85) in Geochemistry & Geophysics; počet citací: 3

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

**WoS:** IF<sub>2017</sub>: 2,645; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/29) in Mineralogy; počet citací: 0

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

**WoS:** IF<sub>2017</sub>: 3,740; **Q1** (5/34) in Soil Science; počet citací: 2

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

**WoS:** IF<sub>2017</sub>: 2,892; **Q2** (89/285) in Materials Science, Multidisciplinary; **Q1** (10/75) in Metallurgy & Metallurgical Engineering; **Q1** (3/33) in Materials Science, Characterization & Testing; počet citací: 2

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

**WoS:** IF<sub>2017</sub>: 2,326; **Q1** (6/56) in Paleontology; **Q3** (31/49) in Evolutionary Biology; počet citací: 9

Kalasová, D., Dvořák, K., **Slobodník, M.**, **Všianský, D.**, Zikmund, T., Dluhoš, J., Váňa, R., Bureš, J., Kaiser, J. (2018): Characterization of inner structure of Limestone by X-ray computed sub-micron tomography. *Construction and Building Materials*, 174, 693–700. doi: 10.1016/j.conbuildmat.2018.04.142

**WoS:** IF<sub>2017</sub>: 3,485; **Q1** (9/63) in Construction & Building Technology; **Q1** (9/132) in Engineering, Civil; **Q1** (70/293) in Materials Science, Multidisciplinary; počet citací: 1

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**WoS:** IF<sub>2016</sub>: 3,179; **Q2** (7/26) in Crystallography; počet citací: 6

## 2016 (celkem 24 článků, 14 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. doi: 10.1016/j.sedgeo.2016.03.009

**WoS:** IF<sub>2015</sub>: 2,236; **Q1** (8/47) in Geology; počet citací: 23

**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 Al<sub>16</sub>S<sub>4</sub>Si<sub>4</sub>O<sub>38</sub>, a new mineral related to boralsilite, Al<sub>16</sub>B<sub>6</sub>Si<sub>2</sub>O<sub>37</sub>, from the Manjaka pegmatite, Sahatany Valley, Madagascar. *American Mineralogist*, 101, 9-10, 2108–2117. doi: 10.2138/am-2016-5686

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**WoS:** IF<sub>2015</sub>: 2,365; **Q1** (7/47) in Geology; počet citací: 6

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**WoS:** IF<sub>2015</sub>: 8,743; **Q1** (2/184) in Geosciences, Multidisciplinary; počet citací: 8

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**WoS:** IF<sub>2015</sub>: 3,294; **Q1** (28/184) in Geosciences, Multidisciplinary; **Q2** (26/88) in Energy & Fuels; počet citací: 8

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**WoS:** IF<sub>2015</sub>: 2,813; Q1 (12/49) in Geography, Physical; Q1 (34/184) in Geosciences, Multidisciplinary; počet citací: 7

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. doi: 10.1016/j.geomorph.2015.11.011

**WoS:** IF<sub>2015</sub>: 2,813; Q1 (12/49) in Geography, Physical; Q1 (34/184) in Geosciences, Multidisciplinary; počet citací: 17

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## 2015 (celkem 22 článků, 7 studentů spoluautorů – červeně)

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**WoS:** IF<sub>2014</sub>: 3,381; Q1 (21/175) in Geosciences, Multidisciplinary; Q2 (23/89) in Energy & Fuels; počet citací: 13

- 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, 419. doi: 10.1007/s10347-014-0419-z  
**WoS**: IF<sub>2014</sub>: 1,448; **Q2** (19/46) in Geology; **Q2** (18/50) in Paleontology; počet citací: 15
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**WoS**: IF<sub>2014</sub>: 3,984; **Q1** (3/23) in Crystallography; počet citací: 3
- 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. doi: 10.1002/gj.2523  
**WoS**: IF<sub>2014</sub>: 1,627; **Q2** (85/175) in Geosciences, Multidisciplinary; počet citací: 27
- Kocourková-Víšková, E., **Loun, J.**, **Sracek, O.**, Houzar, S., Filip, J. (2015): Secondary arsenic minerals and arsenic mobility in a historical waste rock pile at Kaňk near Kutná Hora, Czech Republic. *Mineralogy and Petrology*, 109, 1, 17–33. doi: 10.1007/s00710-014-0356-0  
**WoS**: IF<sub>2014</sub>: 1,349; **Q2** (14/28) in Mineralogy; **Q3** (47/79) in Geochemistry & Geophysics; počet citací: 7
- Kotková, J.**, Janák, M. (2015): UHP kyanite eclogite associated with garnet peridotite and diamond-bearing granulite, northern Bohemian Massif. *Lithos*, 226, 255–264. doi: 10.1016/j.lithos.2015.01.016  
**WoS**: IF<sub>2014</sub>: 4,482; **Q1** (2/28) in Mineralogy; **Q1** (6/79) in Geochemistry & Geophysics; počet citací: 15
- Kumpan, T.**, **Bábek, O.**, **Kalvoda, J.**, Matys Grygar, T., Frýda, J., Becker, T.R., Hartenfels, S. (2015): Petrophysical and geochemical signature of the Hangenberg Events: an integrated stratigraphy of the Devonian-Carboniferous boundary interval in the Northern Rhenish Massif (Avalonia, Germany). *Bulletin of Geosciences*, 90, 3, 667–694. doi: 10.3140/bull.geosci.1547  
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**WoS**: IF<sub>2014</sub>: 1,656; **Q2** (81/175) in Geosciences, Multidisciplinary; počet citací: 11
- Medaris, L.G., Ackerman, L., Jelínek, E., Michels, Z.D., Erban, V., **Kotková, J.** (2015): Depletion, cryptic metasomatism, and modal metasomatism (refertilization) of Variscan lithospheric mantle: Evidence from major elements, trace elements, and Sr-Nd-Os isotopes in a Saxothuringian garnet peridotite. *Lithos*, 226, 81–97. doi: 10.1016/j.lithos.2014.10.007  
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- Plášil, J., Hloušek, J., Kasatkin, A.V., **Škoda, R.**, **Novák, M.**, Čejka, J. (2015): Geschieberite, K<sub>2</sub>(UO<sub>2</sub>)(SO<sub>4</sub>)<sub>2</sub>(H<sub>2</sub>O)<sub>2</sub>, a new uranyl sulfate mineral from Jáchymov. *Mineralogical Magazine*, 79, 1, 205–216. doi: 10.1180/minmag.2015.079.1.16  
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**WoS**: IF<sub>2014</sub>: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 5
- 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. doi: 10.1002/2015TC003919  
**WoS**: IF<sub>2014</sub>: 3,318; **Q1** (14/79) in Geochemistry & Geophysics; počet citací: 2
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**WoS:** IF<sub>2014</sub>: 3,381; **Q1** (21/175) in Geosciences, Multidisciplinary; **Q2** (23/89) in Energy & Fuels; počet citací: 6

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**WoS:** IF<sub>2014</sub>: 2,639; **Q1** (40/175) in Geosciences, Multidisciplinary; počet citací: 17

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**WoS:** IF<sub>2014</sub>: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 10

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. doi: 10.1007/s00531-014-1121-7

**WoS:** IF<sub>2014</sub>: 2,093; **Q2** (62/175) in Geosciences, Multidisciplinary; počet citací: 22

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

**WoS:** IF<sub>2014</sub>: 3,466; **Q1** (6/44) in Spectroscopy; **Q1** (12/74) in Chemistry, Analytical; počet citací: 2

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

**WoS:** IF<sub>2014</sub>: 3,558; **Q1** (3/46) in Geology; **Q1** (4/28) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 19

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

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

**WoS:** IF<sub>2013</sub>: 2,265; **Q1** (12/124) in Engineering, Civil; **Q1** (62/251) in Materials Science, Multidisciplinary; **Q1** (7/58) in Construction & Building Technology; počet citací: 39

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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. doi: 10.1016/j.saa.2014.01.116

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WoS: IF<sub>2012</sub>: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 12

## 2012 (celkem 18 článků, 10 studentů spoluautorů - červeně)

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

WoS: IF<sub>2011</sub>: 3,518; Q1 (7/76) in Geochemistry & Geophysics; počet citací: 31

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

WoS: IF<sub>2011</sub>: 2,423; Q1 (5/26) in Mineralogy; Q2 (21/176) in Geochemistry & Geophysics; počet citací: 82

**Faimon, J.**, **Troppová, D.**, **Baldík, V.**, Novotný, R. (2012): Air circulation and its impact on microclimatic variables in the Císařská Cave (Moravian Karst, Czech Republic). *International Journal of Climatology*, 32, 599–623. doi: 10.1002/joc.2298

WoS: IF<sub>2011</sub>: 2,906; Q1 (17/71) in Meteorology & Atmospheric Sciences; počet citací: 42

**Faimon, J.**, Ličbinská, M., Zajíček, P. (2012): Relationship between carbon dioxide in Balcarka Cave and adjacent soils in the Moravian Karst region of the Czech Republic. *International Journal of Speleology*, 41, 1, 17–28. doi: 10.5038/1827-806X.41.1.3

WoS: IF<sub>2011</sub>: 2,000; Q2 (48/170) in Geosciences, Multidisciplinary; počet citací: 23

Fejfarová, K., **Plášil, J.**, Yang, H., Čejka, J., Dušek, M., Downs, R.T., Barkley, M.C., **Škoda, R.** (2012): Revision of the crystal structure and chemical formula of weeksite,  $K_2(UO_2)_2(Si_5O_{13}) \cdot 4H_2O$ . *American Mineralogist*, 97, 750–754. doi: 10.2138/am.2012.4025

WoS: IF<sub>2011</sub>: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 4

Filip, J., Bosi, F., **Novák, M.**, Skogby, H., Tuček, J., Čuda, J., Wildner, M. (2012): Iron redox reactions in the tourmaline structure: High-temperature treatment of Fe<sup>3+</sup>-rich schorl. *Geochimica et Cosmochimica Acta*, 86, 239–256. doi: 10.1016/j.gca.2012.02.031

WoS: IF<sub>2011</sub>: 4,259; Q1 (3/76) in Geochemistry & Geophysics; počet citací: 47

**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. doi: 10.3140/bull.geosci.1338

WoS: IF<sub>2011</sub>: 1,099; Q3 (102/170) in Geosciences, Multidisciplinary; Q2 (24/49) in Paleontology; počet citací: 4

Majzlan, J., Drahota, P., Filippi, M., Grevel, K.-D., Kahl, W.-A., **Plášil, J.**, Boerio-Goates, J., Woodfield, B.F. (2012): Thermodynamic properties of scorodite and parascorodite (FeAsO<sub>4</sub> · 2H<sub>2</sub>O), kaňkite (FeAsO<sub>4</sub> · 3.5H<sub>2</sub>O), and FeAsO<sub>4</sub>. *Hydrometallurgy*, 117-118, 47–56. doi: 10.1016/j.hydromet.2012.02.002

WoS: IF<sub>2011</sub>: 2,027; Q1 (5/75) in Metallurgy & Metallurgical Engineering; počet citací: 35

Matys Grygar, T., **Sedláček, J.**, **Bábek, O.**, Nováková, T., Strnad, L., Mihaljevič, M. (2012): Regional contamination of Moravia (South-Eastern Czech Republic): Temporal shift of Pb and Zn loading in fluvial sediments. *Water Air and Soil Pollution* 223, 2, 739–753. doi: 10.1007/s11270-011-0898-2

WoS: IF<sub>2011</sub>: 1,625; Q2 (101/205) in Environmental Sciences; Q3 (37/71) in Meteorology & Atmospheric Sciences; Q2 (24/78) in Water Resources; počet citací: 28

**Plášil, J.**, Fejfarová, K., Skála, R., **Škoda, R.**, Meisser, N., Hloušek, J., Císařová, I., Dušek, M., Veselovský, F., Čejka, J., Sejkora, J., Ondruš, P. (2012): The crystal chemistry of the uranyl carbonate mineral grimselite,  $(K,Na)_3Na[(UO_2)(CO_3)_3](H_2O)$ , from Jáchymov, Czech Republic. *Mineralogical Magazine*, 76, 446–453. doi: 10.1180/minmag.2012.076.3.01

WoS: IF<sub>2011</sub>: 1,321; Q2 (12/26) in Mineralogy; počet citací: 4

**Plášil, J.**, Fejfarová, K., Wallwork, K.S., Dušek, M., **Škoda, R.**, Sejkora, J., Čejka, J., Veselovský, F., Hloušek, J., Meisser, N., Brugger, J. (2012): Crystal structure of pseudojohannite, with a revised formula,  $Cu_3(OH)_2[(UO_2)_4O_4(SO_4)_2](H_2O)_{12}$ . *American Mineralogist*, 97, 1796–1803. doi: 10.2138/am.2012.4127

WoS: IF<sub>2011</sub>: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 17

**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. doi: 10.1180/minmag.2012.076.7.14

WoS: IF<sub>2011</sub>: 1,321; Q2 (12/26) in Mineralogy; počet citací: 18

**Plášil, J.**, Hloušek, J., Veselovský, F., Fejfarová, K., Dušek, M., **Škoda, R.**, **Novák, M.**, Čejka, J., Ondruš, P. (2012): Adolfpateraitite,  $K[(UO_2)(SO_4)(OH)(H_2O)]$ , a new uranyl sulphate mineral from Jáchymov, Czech Republic. *American Mineralogist*, 97, 2-3, 447–454. doi: 10.2138/am.2012.3976

WoS: IF<sub>2011</sub>: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 25

**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. doi: 10.1016/j.marpetgeo.2012.01.003

WoS: IF<sub>2011</sub>: 2,104; Q2 (44/170) in Geosciences, Multidisciplinary; počet citací: 6

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

WoS: IF<sub>2011</sub>: 0,690; Q2 (35/81) in Anthropology; počet citací: 0

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

WoS: IF<sub>2011</sub>: 1,537; Q2 (13/47) in Geology; počet citací: 17

**Škoda, R.**, Cempírek, J., Filip, J., **Novák, M.**, Veselovský, F., Čtvrtlík, R. (2012): Allanite-(Nd),  $CaNdAl_2Fe^{2+}(SiO_4)(Si_2O_7)O(OH)$ , a new mineral from Åskagen, Sweden. *American Mineralogist*, 97, 5-6, 983–988. doi: 10.2138/am.2012.3936

WoS: IF<sub>2011</sub>: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 11

Šťastná, A., Sachlová, S., Pertold, Z., Příkryl, R., **Leichmann, J.** (2012): Cathodoluminescence microscopy and petrographic image analysis of aggregates in concrete pavements affected by alkali-silica reaction. *Materials Characterization*, 65, 115–125. doi: 10.1016/j.matchar.2012.01.008

WoS: IF<sub>2011</sub>: 1,572; Q1 (3/32) in Materials Science, Characterization & Testing; počet citací: 6

## 2011 (celkem 14 článků, 11 studentů spoluautorů – červeně)

**Bábek, O.**, **Faměra, M.**, Hilscherová, K., **Kalvoda, J.**, Dobrovolný, P., **Sedláček, J.**, Machát, J., Holoubek, I. (2011): Geochemical traces of flood layers in the fluvial sedimentary archive; implications for contamination history analyses. *Catena*, 87, 2, 281–290. doi: 10.1016/j.catena.2011.06.014

**WoS:** IF<sub>2010</sub>: 1,893; **Q2** (12/32) in Soil Science; **Q1** (13/76) in Water Resources; **Q2** (55/167) in Geosciences, Multidisciplinary; počet citací: 35

**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. doi: 10.1016/j.quascirev.2011.01.009

**WoS:** IF<sub>2010</sub>: 4,567; **Q1** (2/42) in Geography, Physical; **Q1** (6/167) in Geosciences, Multidisciplinary; počet citací: 25

**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. doi: 10.1016/j.lithos.2011.08.001

**WoS:** IF<sub>2010</sub>: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 22

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**WoS:** IF<sub>2010</sub>: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 284

Holá, M., **Kalvoda, J.,** Nováková, H., **Škoda, R.,** Kanický, V. (2011): Possibilities of LA-ICP-MS technique for the spatial elemental analysis of the recent fish scales: Line scan vs. depth profiling. *Applied Surface Science*, 257, 6, 1932–1940. doi: 10.1016/j.apsusc.2010.09.029

**WoS:** IF<sub>2010</sub>: 1,795; **Q2** (7/18) in Materials Science, Coatings & Films; **Q2** (41/118) in Physics, Applied; **Q2** (26/68) in Physics, Condensed Matter; **Q3** (75/127) in Chemistry, Physical; počet citací: 20

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

**WoS:** IF<sub>2010</sub>: 1,202; **Q2** (24/48) in Paleontology; **Q3** (88/167) in Geosciences, Multidisciplinary; počet citací: 9

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

**WoS:** IF<sub>2010</sub>: 2,125; **Q2** (24/77) in Geochemistry & Geophysics; počet citací: 26

**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. doi: 10.1130/G31971.1

**WoS:** IF<sub>2010</sub>: 4,026; **Q1** (1/48) in Geology; počet citací: 94

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

**WoS:** IF<sub>2010</sub>: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 32

**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. doi: 10.1002/jrs.2900

**WoS:** IF<sub>2010</sub>: 3,137; **Q1** (9/42) in Spectroscopy; počet citací: 6

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

**WoS:** IF<sub>2012</sub>: 2,676; **Q1** (3/18) in Limnology; **Q1** (44/193) in Environmental Sciences; **Q1** (24/167) in Geosciences, Multidisciplinary; počet citací: 17

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

**WoS:** IF<sub>2010</sub>: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 33

**Talla, D.**, Beran, A., **Škoda, R.**, **Losos, Z.** (2011): On the presence of OH defects in the zircon-type phosphate mineral xenotime, (Y,REE) PO<sub>4</sub>. *American Mineralogist*, 96, 1799–1808. doi: 10.2138/am.2011.3757  
**WoS**: IF<sub>2010</sub>: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 12

**Vlačíky, M.**, Nývlt, D., Michalík, T., Nývltová Fišáková, M., Moravcová, M., Králík, M., Kovanda, J., Pěková, 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. doi: 10.1016/j.quaint.2011.09.004  
**WoS**: IF<sub>2010</sub>: 1,768; **Q2** (18/42) in Geography, Physical; **Q2** (59/167) in Geosciences, Multidisciplinary; počet citací: 10

#### 2010 (celkem 23 článků, 10 studentů spoluautorů – červeně)

Beran, A., **Talla, D.**, **Losos, Z.**, Pinkas, J. (2010): Traces of structural H<sub>2</sub>O molecules in baryte. *Physics and Chemistry of Minerals*, 37, 3, 159–166. doi: 10.1007/s00269-009-0320-4  
**WoS**: IF<sub>2009</sub>: 1,597; **Q2** (74/214) in Materials Science, Multidisciplinary; **Q2** (7/27) in Mineralogy; počet citací: 6

Bláha, L., Hilscherová, K., Čáp, T., Klánová, J., Machát, J., **Zeman, J.**, Holoubek, I. (2010): Kinetic bacterial bioluminescence assay for the contact sediment toxicity testing - relationships with the matrix composition and contamination. *Environmental Toxicology and Chemistry*, 29, 3, 507–514. doi: 10.1002/etc.81  
**WoS**: IF<sub>2009</sub>: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 13

**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. doi: 10.2138/am.2010.3480  
**WoS**: IF<sub>2009</sub>: 1,859; **Q1** (6/27) in Mineralogy; **Q2** (24/75) in Geochemistry & Geophysics; počet citací: 23

Čobič, A., Bermanec, V., Tomašič, N., **Škoda, R.** (2010): The hydrothermal recrystallization of metamict allanite-(Ce). *Canadian Mineralogist*, 48, 3, 513–521. doi: 10.3749/canmin.48.3.513  
**WoS**: IF<sub>2009</sub>: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 9

**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. doi: 10.1016/j.jas.2010.05.014  
**WoS**: IF<sub>2009</sub>: 1,847; **Q2** (46/155) in Geosciences, Multidisciplinary; počet citací: 9

**Franců, E.**, Schwarzbauer, J., Lána, R., Nývlt, D., **Nehyba, S.** (2010): Historical Changes in Levels of Organic Pollutants in Sediment Cores from Brno Reservoir, Czech Republic. *Water Air and Soil Pollution*, 209, 1-4, 81–91. doi: 10.1007/s11270-009-0182-x  
**WoS**: IF<sub>2009</sub>: 1,676; **Q2** (30/63) in Meteorology & Atmospheric Sciences; **Q1** (16/66) in Water Resources; **Q2** (79/181) in Environmental Sciences; počet citací: 17

Frost, R.L., Bahfenne, S., Čejka, J., Sejkora, J., Palmer, S.L., **Škoda, R.** (2010): Raman microscopy of haidingerite Ca(AsO<sub>3</sub>OH) · H<sub>2</sub>O and brassite Mg(AsO<sub>3</sub>OH) · 4H<sub>2</sub>O. *Journal of Raman Spectroscopy*, 41, 6, 690–693. doi: 10.1002/jrs.2498  
**WoS**: IF<sub>2009</sub>: 3,147; **Q1** (7/39) in Spectroscopy; počet citací: 21

Galiová, M., Kaiser, J., Novotný, K., **Ivanov, M.**, Nývltová Fišáková, M., Mancini, L., Tromba, G., Vaculovič, T., Liška, M., Kanický, V. (2010): Investigation of the osteitis deformans phases in snake vertebrae by double-pulse laser-induced breakdown spectroscopy. *Analytical and Bioanalytical Chemistry*, 398, 2, 1095–1107. doi: 10.1007/s00216-010-3976-1  
**WoS**: IF<sub>2009</sub>: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 20

Hilscherová, K., Dušek, L., Štěpánková, T., Jálková, V., Čupr, P., Giesy, J., **Nehyba, S.**, Jarkovský, J., Klánová, J., Holoubek, I. (2010): Seasonally and regionally determined indication potential of bioassays in contaminated river sediments. *Environmental Toxicology and Chemistry*, 29, 3, 522–534. doi: 10.1002/etc.83

WoS: IF<sub>2009</sub>: 2,565; Q2 (28/77) in Toxicology; Q1 (41/181) in Environmental Sciences; počet citací: 19

**Kalvoda, J., Bábek, O.** (2010): The Margins of Laurussia in Central and Southeast Europe and Southwest Asia. *Gondwana Research*, 17, 2-3, 526–545. doi: 10.1016/j.gr.2009.09.012

WoS: IF<sub>2009</sub>: 4,605; Q1 (4/155) in Geosciences, Multidisciplinary; počet citací: 63

**Knížek, M., Melichar, R., Janečka, J.** (2010): Stratigraphic separation diagrams as a tool for determining fault geometry in a folded and thrust region: an example from the Barrandian region, Czech Republic. *Geological Journal*, 45, 5-6, 536–543. doi: 10.1002/gj.1206

WoS: IF<sub>2009</sub>: 1,333; Q2 (75/155) in Geosciences, Multidisciplinary; počet citací: 7

Koptíková, L. **Bábek, O.**, Hladil, J., **Kalvoda, J.**, Slavík, L. (2010): Stratigraphic significance and resolution of spectral reflectance logs in Lower Devonian carbonates of the Barrandian area, Czech Republic; a correlation with magnetic susceptibility and gamma-ray logs. *Sedimentary Geology*, 2225, 3-4, 83–98. doi: 10.1016/j.sedgeo.2010.01.004

WoS: IF<sub>2009</sub>: 1,957; Q1 (8/49) in Geology; počet citací: 50

**Kotková, J.**, Harley, S.L. (2010): Anatexis during high-pressure crustal metamorphism: evidence from garnet-whole rock REE relationships and zircon-rutile Ti-Zr thermometry in leucogranulites from the Bohemian Massif. *Journal of Petrology*, 51, 10, 1967–2001. doi: 10.1093/petrology/egq045

WoS: IF<sub>2009</sub>: 3,738; Q1 (4/75) in Geochemistry & Geophysics; počet citací: 45

**Kotková, J.**, Schaltegger, U., **Leichmann, J.** (2010): Two types of ultrapotassic plutonic rocks in the Bohemian Massif - Coeval intrusions at different crustal levels. *Lithos*, 115, 1-4, 163–176. doi: 10.1016/j.lithos.2009.11.016

WoS: IF<sub>2009</sub>: 3,537; Q1 (2/27) in Mineralogy; Q1 (6/75) in Geochemistry & Geophysics; počet citací: 47

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

WoS: IF<sub>2009</sub>: 2,445; Q1 (28/155) in Geosciences, Multidisciplinary; počet citací: 11

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

WoS: IF<sub>2009</sub>: 2,646; Q1 (6/41) in Paleontology; Q1 (8/36) in Geography, Physical; Q1 (23/155) in Geosciences, Multidisciplinary; počet citací: 41

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

WoS: IF<sub>2009</sub>: 2,059; Q2 (39/155) in Geosciences, Multidisciplinary; počet citací: 38

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

WoS: IF<sub>2009</sub>: 1,290; Q2 (13/27) in Mineralogy; počet citací: 19

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

WoS: IF<sub>2009</sub>: 1,290; Q2 (13/27) in Mineralogy; počet citací: 8

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

WoS: IF<sub>2009</sub>: 3,480; Q2 (17/67) in Biochemical Research Methods; Q1 (6/70) in Chemistry, Analytical; počet citací: 30

**Plášil, J.**, Sejkora, J., Čejka, J., **Novák, M.**, Viňals, J., Ondruš, P., Veselovský, F., Škácha, P., Jehlička, J., Goliáš, V., Hloušek, J. (2010): Metarauchite,  $\text{Ni}(\text{UO}_2)_2(\text{AsO}_4)_2 \cdot 8\text{H}_2\text{O}$ , from Jáchymov, Czech Republic, and Schneeberg, Germany: a new member of the autunite group. *Canadian Mineralogist*, 48, 335–350. doi: 10.3749/canmin.48.2.2335

**WoS:** IF<sub>2009</sub>: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 14

Sejkora, J., **Plášil, J.**, Ondruš, P., Veselovský, F., Císařová, I., Hloušek, J. (2010): Slavkovite,  $\text{Cu}_{13}(\text{AsO}_4)_6(\text{AsO}_3\text{OH})_4 \cdot 23\text{H}_2\text{O}$ , a new mineral species from Horní Slavkov and Jáchymov, Czech Republic: Description and crystal structure determination. *Canadian Mineralogist*, 48, 5, 1157–1170. doi: 10.3749/canmin.48.5.1157

**WoS:** IF<sub>2009</sub>: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 8

Tomašić, N., Gajović, A., Bermanec, V., Linarić, M.R., Su, D.S., **Škoda, R.** (2010): Preservation of samarskite structure in a metamict  $\text{ABO}_4$  mineral: a key to crystal structure identification. *European Journal of Mineralogy*, 22, 3, 435–442. doi: 10.1127/0935-1221/2010/0022-2032

**WoS:** IF<sub>2009</sub>: 1,450; **Q2** (9/27) in Mineralogy; počet citací: 5

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

Bhattacharya, P., Hasan, M.A., **Sracek, O.**, Smith, E., Ahmed, K.M., von Bromssen, M., Huq, S.M.I., Naidu, R. (2009): Groundwater chemistry and arsenic mobilization in the holocene flood plains in south-central Bangladesh. *Environmental Geochemistry and Health*, 31, 1, 23–43. doi: 10.1007/s10653-008-9230-5

**WoS:** IF<sub>2008</sub>: 1,238; **Q2** (21/60) in Water Resources; **Q2** (16/38) in Engineering, Environmental; **Q3** (95/2163) in Environmental Sciences; **Q3** (74//105) in Public, Environmental & Occupational Health; počet citací: 39

**Boháč M.**, **Gregerová M.** (2009): The influence of blast-furnace slag hydration products on microcracking of concrete. *Materials Characterization*, 60, 7, 729–734. doi: 10.1016/j.matchar.2008.11.011

**WoS:** IF<sub>2008</sub>: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 12

Bradák, B., Szakmány, G., Jósza, S., **Přichystal, A.** (2009): Application of magnetic susceptibility measurement on polished stone tools from Western Hungary and Eastern Part of the Czech Republic (Central Europe). *Journal of Archaeological Science*, 36, 10, 2437–2444. doi: 10.1016/j.jas.2009.07.001

**WoS:** IF<sub>2008</sub>: 1,779; **Q2** (46/144) in Geosciences, Multidisciplinary; počet citací: 8

da Silva, J.C., Vargas, E.D., **Sracek, O.** (2009): Modeling Multiphase Reactive Transport in a Waste Rock Pile with Convective Oxygen Supply. *Vadose Zone Journal*, 8, 4, 1038–1050. doi: 10.2136/vzj2008.0156

**WoS:** IF<sub>2008</sub>: 1,441; **Q2** (13/31) in Soil Science; **Q1** (14/60) in Water Resources; **Q3** (82/163) in Environmental Sciences; počet citací: 8

Dolníček, Z., **Fojt, B.**, Prochaska, W., **Kučera, J.**, Sulovský, P. (2009): Origin of the Zálesí U-Ni-Co-As-Ag/Bi deposit, Bohemian Massif, Czech Republic: fluid inclusion and stable isotope constraints. *Mineralium Deposita*, 44, 81–97. doi: 10.1007/s00126-008-0202-6

**WoS:** IF<sub>2008</sub>: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 23

**Gregerová, M.**, **Všianský, D.** (2009): Identification of concrete deteriorating minerals by polarizing and scanning electron microscopy. *Materials Characterization*, 60, 7, 680–685. doi: 10.1016/j.matchar.2009.01.018

**WoS:** IF<sub>2008</sub>: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 9

Haloda, J., Týcová, P., Korotev, R.L., Fernandes, V.A., Burgess, R., Thoni, M., Jelenc, M., Jakeš, P., **Gabzdyl, P.**, Kosler, J. (2009): Petrology, geochemistry, and age of low-Ti mare-basalt meteorite Northeast Africa 003-A: A possible member of the Apollo 15 mare basaltic suite. *Geochimica et Cosmochimica Acta*, 73, 3450–3470. doi: 10.1016/j.gca.2009.03.003

**WoS:** IF<sub>2008</sub>: 4,235; **Q1** (3/64) in Geochemistry & Geophysics; počet citací: 21

**Kalvoda, J.**, **Novák, M.**, **Bábek, O.**, **Brzobohatý, R.**, Holá, M., Holoubek, I., Kanický, V., **Škoda, R.** (2009): Compositional changes in fish scale hydroxylapatite during early diagenesis; an example from an abandoned meander. *Biogeochemistry*, 94, 3, 197–215. doi: 10.1007/s10533-009-9319-7



**WoS:** IF<sub>2008</sub>: 2,961; **Q1** (26/163) in Environmental Sciences; **Q1** (16/144) in Geosciences, Multidisciplinary; počet citací: 11

Kříbek, B., Žák, K., Dobeš, P., **Leichmann, J.**, Pudilová, M., René, M., Scharm, B., Scharmova, M., Hájek, A., Holeczy, D., Hein, U.F., Lehmann, B. (2009): The Rožná uranium deposit (Bohemian Massif, Czech Republic): shear zone-hosted, late Variscan and post-Variscan hydrothermal mineralization. *Mineralium Deposita*, 44, 99–128. doi: 10.1007/s00126-008-0188-0

**WoS:** IF<sub>2008</sub>: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 29

Kuneš, P., Abrahám, V., Kovařík, O., Kopecký, M., Břízová, E., Dudová, L., Jankovská, V., Knipping, M., Kozáková, R., Nováková, K., Petr, L., Pokorný, P., **Roszková, A.**, Rybníčková, E., Svobodová-Svitavská, H., Wacnik, A. (2009): Czech Quaternary Palynological Database - PALYCZ: review and basic statistics of the data. *Preslia*, 81, 209–238. doi: neuvodeno

**WoS:** IF<sub>2008</sub>: 2,396; **Q1** (29/156) in Plant Sciences; počet citací: 40

Staněk, T., **Sulovský, P.** (2009): The influence of phosphorous pentoxide on the phase composition and formation of Portland clinker. *Materials Characterization*, 60, 7, 749–755. doi: 10.1016/j.matchar.2008.11.013

**WoS:** IF<sub>2008</sub>: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 19

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

**WoS:** IF<sub>2008</sub>: 0,844; **Q2** (24/61) in Anthropology; počet citací: 17

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

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

**WoS:** IF<sub>2007</sub>: 4,373; **Q1** (1/30) in Soil Science; počet citací: 55

**Cempírek, J.**, Houzar, S., **Novák, M.** (2008): Complexly zoned niobian titanite from hedenbergite skarn at Písek, Czech Republic constrained by substitutions Al(Nb,Ta) Ti<sub>2</sub>, Al(F,OH) (TiO)<sub>1</sub> and Sn Ti<sub>1</sub>. *Mineralogical Magazine*, 72, 6, 1317–1329. doi: 10.1180/minmag.2008.072.6.1293

**WoS:** IF<sub>2007</sub>: 1,269; **Q2** (8/25) in Mineralogy; počet citací: 21

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

**WoS:** IF<sub>2007</sub>: 1,412; **Q2** (26/63) in Geochemistry & Geophysics; počet citací: 1

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

**WoS:** IF<sub>2007</sub>: 2,203; **Q1** (4/25) in Mineralogy; **Q1** (13/63) in Geochemistry & Geophysics; počet citací: 4

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

**WoS:** IF<sub>2007</sub>: 2,162; **Q1** (4/40) in Paleontology; **Q2** (8/31) in Geography, Physical; **Q1** (28/137) in Geosciences, Multidisciplinary; počet citací: 121

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

**WoS:** IF<sub>2007</sub>: 1,719; **Q2** (43/137) in Geosciences, Multidisciplinary; počet citací: 116

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

**WoS:** IF<sub>2007</sub>: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 12

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

**WoS:** IF<sub>2007</sub>: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 90

**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. doi: 10.1127/0935-1221/2008/0020-1834

**WoS:** IF<sub>2007</sub>: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 17

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

**WoS:** IF<sub>2007</sub>: 1,719; **Q2** (43/137) in Geosciences, Multidisciplinary; počet citací: 10

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

**WoS:** IF<sub>2007</sub>: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 49

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

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

**WoS:** IF<sub>2006</sub>: 2,203; **Q1** (3/26) in Mineralogy; **Q2** (16/59) in Geochemistry & Geophysics; počet citací: 40

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

**WoS:** IF<sub>2006</sub>: 1,791; **Q1** (7/36) in Paleontology; počet citací: 21

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

**WoS:** IF<sub>2006</sub>: 4,040; **Q1** (1/35) in Engineering, Environmental; **Q1** (4/144) in Environmental Sciences; počet citací: 80

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

**WoS:** IF<sub>2006</sub>: 1,288; **Q1** (14/57) in Water Resources; **Q2** (54/131) in Geosciences, Multidisciplinary; počet citací: 86

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

WoS: IF<sub>2006</sub>: 2,350; Q1 (2/37) in Geology; počet citací: 37

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

WoS: IF<sub>2006</sub>: 1,418; Q1 (9/55) in Paleontology; počet citací: 4

**Škoda, R., Novák, M.** (2007): Y,REE,Nb,Ta,Ti-oxide (AB<sub>2</sub>O<sub>6</sub>) minerals from REL-REE euxenite-subtype pegmatites of the Třebíč Pluton, Czech Republic; substitutions and fractionation trends. *Lithos*, 95, 1-2, 43–57. doi: 10.1016/j.lithos.2006.07.020

WoS: IF<sub>2006</sub>: 2,203; Q1 (3/26) in Mineralogy; Q2 (16/59) in Geochemistry & Geophysics; počet citací: 35

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

WoS: IF<sub>2006</sub>: 1,717; Q1 (4/57) in Water Resources; Q2 (43/144) in Environmental Sciences; Q2 (37/131) in Geosciences, Multidisciplinary; počet citací: 27

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

WoS: IF<sub>2006</sub>: 2,359; Q1 (28/144) in Environmental Sciences; počet citací: 123

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

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

WoS: IF<sub>2005</sub>: 1,646; Q1 (3/19) in Materials Science, Coatings & Films; Q2 (25/83) in Physics, Applied; počet citací: 14

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

WoS: IF<sub>2005</sub>: 1,745; Q1 (4/57) in Water Resources; Q1 (1/80) in Engineering, Civil; Q1 (27/129) in Geosciences, Multidisciplinary; počet citací: 17

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

WoS: IF<sub>2005</sub>: 2,224; Q1 (22/140) in Environmental Sciences; počet citací: 160

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

WoS: IF<sub>2005</sub>: 2,243; Q1 (3/25) in Mineralogy; Q1 (13/55) in Geochemistry & Geophysics; počet citací: 70

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

WoS: IF<sub>2005</sub>: 1,259; Q2 (10/25) in Mineralogy; počet citací: 30

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

WoS: IF<sub>2005</sub>: 2,451; Q1 (17/140) in Environmental Sciences; počet citací: 89

**Faimon, J., Štelcl, J., Sas, D.** (2006): Anthropogenic CO<sub>2</sub>-flux into cave atmosphere and its environmental impact: A case study in the Císařská Cave (Moravian Karst, Czech Republic). *Science of the Total Environment*, 369, 1-3, 231–245. doi: 10.1016/j.scitotenv.2006.04.006

**WoS:** IF<sub>2005</sub>: 2,224; **Q1** (22/140) in Environmental Sciences; počet citací: 52

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

**WoS:** IF<sub>2005</sub>: 1,259; **Q2** (10/25) in Mineralogy; počet citací: 6

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

**WoS:** IF<sub>2005</sub>: 1,336; **Q2** (54/178) in Materials Science; **Q2** (8/25) in Mineralogy, Multidisciplinary; počet citací: 12

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

**WoS:** IF<sub>2005</sub>: 1,762; **Q1** (5/25) in Mineralogy; počet citací: 3

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

**WoS:** IF<sub>2005</sub>: 1,732; **Q2** (19/55) in Geochemistry & Geophysics; počet citací: 16

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

**WoS:** IF<sub>2005</sub>: 1,899; **Q1** (4/35) in Paleontology; **Q2** (8/30) in Geography, Physical; **Q1** (24/129) in Geosciences, Multidisciplinary; počet citací: 219

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

WoS: IF<sub>2004</sub>: 2,567; Q1 (2/23) in Mineralogy; Q1 (9/50) in Geochemistry & Geophysics; počet citací: 57

**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, Drahaný Uplands, Bohemian Massif. *Lithos*, 82, 1-2, 51–70. doi: 10.1016/j.lithos.2004.12.006

WoS: IF<sub>2004</sub>: 2,567; Q1 (2/23) in Mineralogy; Q1 (9/50) in Geochemistry & Geophysics; počet citací: 44

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

WoS: IF<sub>2004</sub>: 1,207; Q2 (9/23) in Mineralogy; počet citací: 10

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

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

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WoS: IF<sub>2003</sub>: 1,020; Q2 (55/128) in Geosciences, Multidisciplinary; počet citací: 0

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WoS: IF<sub>2003</sub>: 1,185; Q2 (8/24) in Mineralogy; počet citací: 59

Sejkora, J., Čejka, J., Hloušek, J., **Novák, M.,** Šrein, V. (2004): Phosphowalpurkite, the (PO<sub>4</sub>)-dominant analogue of walpurkite, from Smrkovec, Slavkovský Les Mountains, Czech Republic. *Canadian Mineralogist*, 42, 4, 963–972. doi: 10.2113/gscanmin.42.4.963

WoS: IF<sub>2003</sub>: 1,046; Q2 (12/24) in Mineralogy; počet citací: 11

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**WoS:** IF<sub>2003</sub>: 1,438; **Q1** (5/55) in Water Resources; **Q2** (40/131) in Environmental Sciences; **Q1** (32/128) in Geosciences, Multidisciplinary; počet citací: 98

### **2003 (celkem 5 článků, 1 student spoluautor – 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. doi: 10.2138/am-2003-11-1226

**WoS:** IF<sub>2002</sub>: 1,811; **Q1** (3/24) in Mineralogy; **Q1** (10/51) in Geochemistry & Geophysics; počet citací: 26

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**WoS:** IF<sub>2002</sub>: 1,335; **Q2** (7/24) in Mineralogy; počet citací: 43