

## **Přehled publikací pracovníků/studentů ÚGV PŘF MU Brno v časopisech 1./2. kvartilu v období 2003-2021**

### **2020 (celkem 38 článků, 8 studentů spoluautorů – červeně)**

Ackerman, L., Kotková, J., **Čopjaková, R.**, Sláma, J., Trubač, J., Dillingerová, V. (2020): Petrogenesis and Lu–Hf dating of (ultra)mafic rocks from the Kutná Hora Crystalline Complex: implications for the Devonian evolution of the Bohemian Massif. *Journal of Petrology*. In press. doi: 10.1093/petrology/egaa075

**WoS:** IF<sub>2019</sub>: 3,451; **Q1** (20/85) in *Geochemistry & Geophysics*; počet citací: 0

Bačík, P., Fridrichová, J., Štubňa, J., Bancík, t., Illášová, L', Pálková, H., **Škoda, R.**, Mikuš, T., Milovská, S., Vaculovič, T., Sečkář, P. (2020): The REE-Induced Absorption and Luminescence in Yellow Gem-Quality Durango-Type Hydroxylapatite from Muránská Dlhá Lúka, Slovakia. *Minerals*, 10, 11, 1001. doi: 10.3390/min10111001

**WoS:** IF<sub>2019</sub>: 2,380; **Q2** (11/30) in *Mineralogy*; **Q2** (6/21) in *Mining & Mineral Processing*; počet citací: 0

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: 2

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

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

Černý, J., **Melichar, R., Všiánský, D.,** Drahokoupil, J. (2020): Magnetic Anisotropy of rocks: A New Classification of Inverse Magnetic Fabrics to Help Geological Interpretations. *Journal of Geophysical Research: Solid Earth*, 125, 11, 1–13. doi: 10.1029/2020JB020426

**WoS:** IF<sub>2019</sub>: 3,639; **Q1** (16/85) in *Geochemistry & Geophysics*; počet citací: 0

**Čopjaková, R., Prokop, J., Novák, M., Losos, Z., Gadas, P., Škoda, R.,** Holá, M. (2020): Hydrothermal alteration of tourmaline from pegmatitic rocks enclosed in serpentinites: Multistage processes with distinct fluid sources. *Lithos*. In press. doi: 10.1016/j.lithos.2020.105823

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

Dvořák, K., **Všiánský, D.,** Gazdič, D., Fridrichová, M., Vaiciukyniene, D. (2020): Thauasite formation by hydration of sulphosilicate clinker. *Materials Today Communications*, 25, 101449. doi: 10.1016/j.mtcomm.2020.101449

**WoS:** IF<sub>2019</sub>: 2,678; **Q2** (151/314) in *Materials Science, Multidisciplinary*; počet citací: 0

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

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

Hurai, V., Blažeková, M., Huraiová, M., Siegfried, P.R., **Slobodník, M.,** Konečný, P. (2020): Thermobarometric and geochronologic constraints on the emplacement of the Neoproterozoic Evate carbonatite

during exhumation of the Monapo granulite complex, Mozambique. *Lithos*. In press. doi: 10.1016/j.lithos.2020.105883

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

Kaiser, S.I., **Kumpan, T.**, Rasser, M.W. (2020): High-resolution condont biostratigraphy in two key sections from the Carnic Alps (Grüne Schneid) and Graz Paleozoic (Tropl) – 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: 1

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

**WoS:** IF<sub>2019</sub>: 1,738; **Q2** (13/30) in *Mineralogy*; počet citací: 1

Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.**, Agakhanov, A.A., Stepanov, S.Y., Palamarchuk, R.S. (2020): Luboržákite, Mn<sub>2</sub>AsSbS<sub>5</sub>, a new member of pavonite homologous series from Vorontsovskoe gold deposit, Northern Urals, Russia. *Mineralogical Magazine*, 84, 5, 738–745. doi: 10.1180/mgm.2020.48

**WoS:** IF<sub>2019</sub>: 1,738; **Q2** (13/30) in *Mineralogy*; počet citací: 0

Kasatkin, A.V., Zubkova, N.V., Pekov, I.V., Chukanov, N.V., **Škoda, R.**, Polekhovskiy, Y.S., Agakhanov, A.A., Belakovskiy, D.I., Kuznetsov, A.M., Britvin, S.N., Pushcharovskiy, D.Y. (2020): The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part I. New gatelite-group minerals ferriperboeite-(La), (CaLa<sub>3</sub>)(Fe<sup>3+</sup>Al<sub>2</sub>Fe<sup>2+</sup>)[Si<sub>2</sub>O<sub>7</sub>][SiO<sub>4</sub>]<sub>3</sub>O(OH)<sub>2</sub> and perboeite-(La), (CaLa<sub>3</sub>)(Al<sub>3</sub>Fe<sup>2+</sup>)[Si<sub>2</sub>O<sub>7</sub>][SiO<sub>4</sub>]<sub>3</sub>O(OH)<sub>2</sub>. *Mineralogical Magazine*, 84, 4, 593–607. doi: 10.1180/mgm.2020.42

**WoS:** IF<sub>2019</sub>: 1,738; **Q2** (13/30) in *Mineralogy*; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 3,363; **Q2** (23/85) in *Geochemistry & Geophysics*; *Mineralogy*; počet citací: 3

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

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

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

**WoS:** IF<sub>2019</sub>: 3,451; **Q1** (20/85) in *Geochemistry & Geophysics*; počet citací: 0

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

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

**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

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

**WoS:** IF<sub>2019</sub>: 3,256; **Q1** (18/94) in *Water Resources*; počet citací: 0

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

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

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

**WoS:** IF<sub>2019</sub>: 2,871; **Q2** (36/85) in Geochemistry & Geophysics; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 4,046; **Q1** (2/47) in Geology; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 3,998; **Q1** (17/71) in Multidisciplinary Sciences; počet citací: 0

Pavelková, A., Cencerová, V., **Zeman, J.,** Antos, V., Nosek, J. (2020): Reduction of chlorinated hydrocarbons using nano zero-valent iron supported with an electric field. Characterization of electrochemical processes and thermodynamic stability. *Chemosphere*. In press. doi: 10.1016/j.chemosphere.2020.128764

**WoS:** IF<sub>2019</sub>: 5,778; **Q1** (29/265) in Environmental Sciences; počet citací: 0

Plášil, J., Kampf, A.R., Meisser, N., Lheur, C., Brunsperger, 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

Roth, P., Meisser, N., Nestola, F., **Škoda, R.,** Cámara, F., Bosi, F., Ciriotti, M.E., Halenius, U., Schnyder, C., Bracco, R. (2020): Rüdingerite, Mn<sup>2+</sup>V<sup>5+</sup>O<sub>7</sub> · 2H<sub>2</sub>O, a New Species Isostructural with Fianelite. *Minerals*, 10, 11, 960. doi: 10.3390/min10110960

**WoS:** IF<sub>2019</sub>: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; 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: 2

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

**WoS:** IF<sub>2019</sub>: 1,614; **Q2** (26/55) in Paleontology; **Q3** (53/78) in Pathology; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; 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: 4

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: 1

Števko, M., Sejkora, J., Plášil, J., Dolníček, Z., **Škoda, R.** (2020): Fluorapophyllite-(NH<sub>4</sub>), NH<sub>4</sub>Ca<sub>4</sub>(Si<sub>8</sub>O<sub>20</sub>)F · 8H<sub>2</sub>O, a new member of the apophyllite group from the Vechec quarry, eastern Slovakia. *Mineralogical Magazine*, 84, 4, 533–539. doi: 10.1180/mgm.2020.44

**WoS:** IF<sub>2019</sub>: 1,738; Q2 (13/30) in Mineralogy; počet citací: 0

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

**WoS:** IF<sub>2019</sub>: 2,924; Q2 (33/85) in Geochemistry & Geophysics; Q2 (10/30) in Mineralogy; počet citací: 0

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

**WoS:** 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: 1

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

**WoS:** IF<sub>2019</sub>: 2,833; Q2 (21/50) in Geography, Physical; Q2 (66/200) in Geosciences, Multidisciplinary; Q1 (5/55) in Paleontology; 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: 7

**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: 2

**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: 16

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: 5

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: 2

**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: 4

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: 6

**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: 4

**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: 8

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

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**WoS**: IF<sub>2017</sub>: 3,811; **Q1** (1/36) in Engineering, Geological; **Q1** (25/190) in Geosciences, Multidisciplinary; počet citací: 7

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

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**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: 3

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**WoS**: IF<sub>2017</sub>: 2,326; **Q1** (6/56) in Paleontology; **Q3** (31/49) in Evolutionary Biology; počet citací: 12

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Kasatkin, A.V., Nestola, F., Agakhanov, A.A., **Škoda, R.**, Karpenko, V.Y., Tsyganko, M.V., Plášil, J. (2018): Vorontsovite,  $(\text{Hg}_5\text{Cu})_{\Sigma 6}\text{TlAs}_4\text{S}_{12}$ , and Ferrovorontsovite,  $(\text{Fe}_5\text{Cu})_{\Sigma 6}\text{TlAs}_4\text{S}_{12}$ : The T.- and Tl-Fe-Analogues of Galkhaite from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. *Minerals*, 8, 5, 185. doi: 10.3390/min8050185

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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. doi: 10.1016/j.palaeo.2018.02.020

**WoS:** IF<sub>2017</sub>: 2,375; Q2 (23/49) in Geography, Physical; Q2 (71/190) in Geosciences, Multidisciplinary; Q1 (5/56) in Paleontology; počet citací: 3

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**WoS:** IF<sub>2017</sub>: 5,414; Q2 (69/190) in Geosciences, Multidisciplinary; počet citací: 7

Plášil, J., Kampf, A.R., **Škoda, R.**, Čejka, J. (2018): Nollmotzite,  $\text{Mg}[\text{U}^{\text{V}}(\text{U}^{\text{VI}}\text{O}_2)_2\text{O}_4\text{F}_3] \cdot 4\text{H}_2\text{O}$ , the first natural uranium oxide containing fluorine. *Acta Crystallographica Section B – Structural Science crystal Engineering and Materials*, B74, 362–369. doi: 10.1107/S2052520618007321

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**WoS:** IF<sub>2017</sub>: 1,616; Q3 (35/49) in Geography, Physical; Q2 (17/47) in Geology; počet citací: 0

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**WoS:** IF<sub>2017</sub>: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 0

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**WoS:** IF<sub>2017</sub>: 2,622; Q2 (61/190) in Geosciences, Multidisciplinary; počet citací: 2



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**WoS:** IF<sub>2017</sub>: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 9

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. doi: 10.1016/j.lithos.2018.05.017

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Villa, A., Abella, J., Alba, D.M., Almécija, S., Bolet, A., Koufos, G.B., Knoll, F., **Luján, Á.H.**, Morales, J., Robles, J.M., Sánchez, I.M., Delfino, M. (2018): Revision of *Varanus marathonsensis* (Squamata, Varanidae) based on historical and new material: morphology, systematics, and palaeobiogeography of the European monitor lizards. *PLoS One*, 13, 12, e0207719. doi: 10.1371/Journal.pone.0207719

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**WoS:** IF<sub>2017</sub>: 4,130; Q1 (17/190) in Geosciences, Multidisciplinary; Q2 (26/97) in Energy & Fuels; počet citací: 4

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**WoS:** IF<sub>2017</sub>: 1,835; Q2 (13/29) in Mineralogy; Q2 (7/20) in Mining & Mineral Processing; počet citací: 4

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**2017 (celkem 28 článků, 11 studentů spoluautorů – červeně)**

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

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**WoS:** IF<sub>2012</sub>: 1,748; **Q3** (106/210) in Environmental Sciences; **Q2** (37/74) in Meteorology & Atmospheric Sciences; **Q2** (27/80) in Water Resources; počet citací: 20

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**WoS:** IF<sub>2012</sub>: 1,211; **Q3** (125/241) in Materials Science, Multidisciplinary; **Q2** (9/34) in Nuclear Science & Technology; **Q1** (4/20) in Mining & Mineral Processing; počet citací: 9

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

**WoS:** IF<sub>2012</sub>: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 8

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

**WoS:** IF<sub>2012</sub>: 2,342; **Q2** (52/241) in Materials Science, Multidisciplinary; **Q1** (5/26) in Mineralogy; **Q2** (59/135) in Chemistry, Physical; počet citací: 6

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

**WoS:** IF<sub>2012</sub>: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 11

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**WoS:** IF<sub>2012</sub>: 2,076; **Q2** (85/210) in Environmental Sciences; **Q2** (55/161) in Public, Environmental & Occupational Health; **Q1** (18/80) in Water Resources; **Q2** (17/42) in Engineering, Environmental; počet citací: 14

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**WoS:** IF<sub>2012</sub>: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 26

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

**WoS:** IF<sub>2012</sub>: 1,439; **Q2** (24/83) in Anthropology; počet citací: 0

**Novák, M.**, Ertl, A., Povondra, P., Vašinová Galiová, M., Rossman, G.R., Pristacz, H., Prem, M., Giester, G., **Gadas, P.**, **Škoda, R.** (2013): Darrellhenryite,  $\text{Na}(\text{LiAl}_2)\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{OH})_3\text{O}$ , a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886–1892. doi: 10.2138/am.2013.4416

**WoS:** IF<sub>2012</sub>: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 14

Ondruš, P., Skála, R., Plášil, J., Sejkora, J., Veselovský, F., Čejka, J., Kallistova, A., Hloušek, J., Fejfarová, K., Škoda, R., Dušek, M., Gabašová, A., Machovič, V., Lapčák, L. (2013): Svenebsite,  $\text{Ca}[\text{AsO}_2(\text{OH})_2]_2$ , a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 2013, 77, 6, 2711–2724. doi: 10.1180/minmag.2013.077.6.02

WoS: IF<sub>2012</sub>: 2,212; Q1 (6/26) in Mineralogy; počet citací: 2

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WoS: IF<sub>2012</sub>: 3,218; Q1 (8/45) in Geography, Physical; Q1 (22/172) in Geosciences, Multidisciplinary; počet citací: 10

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WoS: IF<sub>2012</sub>: 2,204; Q2 (7/26) in Mineralogy; Q2 (25/76) in Geochemistry & Geophysics; počet citací: 6

Plášil, J., Fejfarová, K., Čejka, J., Dušek, M., Škoda, R., Sejkora, J. (2013): Revision of the crystal structure and chemical formula of haiweeite,  $\text{Ca}(\text{UO}_2)_2(\text{Si}_5\text{O}_{12})(\text{OH})_2 \cdot 6\text{H}_2\text{O}$ . *American Mineralogist* 98, 4, 718–723. doi: 10.2138/am.2013.4284

WoS: IF<sub>2012</sub>: 2,204; Q2 (7/26) in Mineralogy; Q2 (25/76) in Geochemistry & Geophysics; počet citací: 11

Plášil, J., Fejfarová, K., Škoda, R., Dušek, M., Marty, J., Čejka, J. (2013): The crystal structure of magnesiozippeite,  $\text{Mg}[(\text{UO}_2)_2\text{O}_2(\text{SO}_4)](\text{H}_2\text{O})_{3.5}$ , from East Saddle Mine, San Juan County, Utah (USA). *Mineralogy and Petrology*, 107, 2, 211–219. doi: 10.1007/s00710-012-0241-7

WoS: IF<sub>2012</sub>: 1,681; Q2 (9/26) in Mineralogy; Q2 (34/76) in Geochemistry & Geophysics; počet citací: 14

Plášil, J., Fejfarová, K., Hloušek, J., Škoda, R., Novák, M., Sejkora, J., Čejka, J., Dušek M., Veselovský, F., Ondruš, P., Majzlan, J., Mrázek Z. (2013): Štěpíte,  $\text{U}(\text{AsO}_3\text{OH})_2 \cdot 4\text{H}_2\text{O}$ , from Jáchymov, Czech Republic: the first natural arsenate of tetravalent uranium. *Mineralogical Magazine*, 77, 1, 137–152. doi: 10.1180/minmag.2013.077.1.12

WoS: IF<sub>2012</sub>: 2,212; Q1 (6/26) in Mineralogy; počet citací: 9

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WoS: IF<sub>2012</sub>: 2,212; Q1 (6/26) in Mineralogy; počet citací: 5

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WoS: IF<sub>2012</sub>: 2,212; Q1 (6/26) in Mineralogy; počet citací: 23

Plášil, J., Kasatkin, A.V., Škoda, R., Novák, M., Kallistová, A., Dušek, M., Skála, R., Fejfarová, K., Čejka, J., Meisser, N., Goethals, H., Machovič, V., Lapčák, L. (2013): Leydetite,  $\text{Fe}(\text{UO}_2)(\text{SO}_4)_2(\text{H}_2\text{O})_{11}$ , a new uranyl sulfate mineral from Mas d'Alary, Lodeve, France. *Mineralogical Magazine*, 77, 4, 429–441. doi: 10.1180/minmag.2013.077.4.03

WoS: IF<sub>2012</sub>: 2,212; Q1 (6/26) in Mineralogy; počet citací: 15

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WoS: IF<sub>2012</sub>: 1,304; Q2 (113/241) in Materials Science, Multidisciplinary; Q2 (11/26) in Mineralogy; počet citací: 3

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



WoS: IF<sub>2012</sub>: 3,498; Q1 (12/75) in Chemistry, Analytical; počet citací: 22

**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. doi: 10.1016/j.quaint.2011.09.004

WoS: IF<sub>2012</sub>: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 13

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

WoS: IF<sub>2012</sub>: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 14

## 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: 34

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: 92

**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: 44

**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: 24

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: 48

**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., 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 (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: 37

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)<sub>3</sub>Na[(UO<sub>2</sub>)(CO<sub>3</sub>)<sub>3</sub>](H<sub>2</sub>O), 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: 5

**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<sub>3</sub>(OH)<sub>2</sub>[(UO<sub>2</sub>)<sub>4</sub>O<sub>4</sub>(SO<sub>4</sub>)<sub>2</sub>](H<sub>2</sub>O)<sub>12</sub>. *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<sub>2</sub>)<sub>2</sub>(SO<sub>4</sub>)<sub>2</sub>(OH)<sub>2</sub>](H<sub>2</sub>O)<sub>7</sub>. *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): Adolfpateraite, K[(UO<sub>2</sub>)(SO<sub>4</sub>)(OH)(H<sub>2</sub>O)], 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: 26

**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: neuvedeno

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: 20

**Škoda, R.**, Cempírek, J., Filip, J., **Novák, M.**, Veselovský, F., Čtvrtlík, R. (2012): Allanite-(Nd), CaNdAl<sub>2</sub>Fe<sup>2+</sup>(SiO<sub>4</sub>)(Si<sub>2</sub>O<sub>7</sub>)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: 12

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: 8

## 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: 30

**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: 25

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. doi: 10.2138/am.2011.3636

**WoS:** IF<sub>2010</sub>: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 304

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-Visean 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

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**WoS**: IF<sub>2010</sub>: 1,768; **Q2** (18/42) in Geography, Physical; **Q2** (59/167) in Geosciences, Multidisciplinary; počet citací: 13

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

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**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: 18

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WoS: IF<sub>2009</sub>: 4,605; Q1 (4/155) in Geosciences, Multidisciplinary; počet citací: 65

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**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: 9

**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, Ni(UO<sub>2</sub>)<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub> · 8H<sub>2</sub>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

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

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**WoS:** IF<sub>2009</sub>: 1,450; **Q2** (9/27) in Mineralogy; počet citací: 6

## 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: 42

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

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**WoS:** IF<sub>2008</sub>: 1,779; **Q2** (46/144) in Geosciences, Multidisciplinary; počet citací: 9

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: 9

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: 25

**Gregerová, M., Všíanský, D.** (2009): Identification of concrete deteriorating minerals by polarizing and scanning electron microscopy. *Materials Characterization*, 60, 7, 680–685. doi: 10.1016/j.matchar.2009.01.018  
**WoS:** 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: 22

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

**WoS:** 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: neuvedeno

**WoS:** IF<sub>2008</sub>: 2,396; **Q1** (29/156) in Plant Sciences; počet citací: 41

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**WoS:** IF<sub>2008</sub>: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 20

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: 19

## 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

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**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: 131

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**WoS:** IF<sub>2007</sub>: 1,719; **Q2** (43/137) in Geosciences, Multidisciplinary; počet citací: 122

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: 13

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: 94

**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

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**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: 42

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: 23

**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: 86

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: 92

**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. 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: 5

**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: 37

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: 125

## 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: 16

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: 18

Bhattacharya, P., Claesson, M., Bundschuh, J., **Sracek, 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. doi: 10.1016/j.scitotenv.2005.04.048  
**WoS**: IF<sub>2005</sub>: 2,224; **Q1** (22/140) in Environmental Sciences; počet citací: 169

**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: 73

**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: 92

**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: 53

**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: 13

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., **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. 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: 226

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

**WoS:** IF<sub>2005</sub>: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 142

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

**WoS:** IF<sub>2005</sub>: 1,939; **Q1** (3/17) in Limnology; **Q1** (2/57) in Water Resources; **Q1** (30/140) in Environmental Sciences; počet citací: 329

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

**WoS:** IF<sub>2005</sub>: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 10



**Taylor, M.C.** (2006): The gel model for the formation of gem-bearing pockets within granitic pegmatites, and implications for gem synthesis. *Gems and Gemology*, 42, 3, 110–111. doi: neuvedeno  
WoS: IF<sub>2005</sub>: 1,762; Q1 (5/25) in Mineralogy; počet citací: 7

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

**Breiter, K.**, Mueller, A., **Leichmann, J.**, Gabašová, A. (2005): Textural and chemical evolution of a fractionated granitic system: the Podlesí stock, Czech Republic. *Lithos*, 80, 1, 323–345. doi: 10.1016/j.lithos.2003.11.004  
WoS: IF<sub>2004</sub>: 2,567; Q1 (2/23) in Mineralogy; Q1 (9/50) in Geochemistry & Geophysics; počet citací: 61

**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: 45

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: 11

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

Ahmed, K.M., Bhattacharya, P., Hasan, M.A., Akhter, S.H., Alam, S.M.M., Bhuyian, M.A., Imam, M.B., Khan, A.A., **Srček, O.** (2004): Arsenic enrichment in groundwater of the alluvial aquifers in Bangladesh: An overview. *Applied Geochemistry*, 19, 2, 181–200. doi: 10.1016/j.apgeochem.2003.09.006  
WoS: IF<sub>2003</sub>: 1,804; Q2 (15/52) in Geochemistry & Geophysics; počet citací: 398

Broska, I., Williams, T., Uher, P., Konečný, P., **Leichmann, J.** (2004): The geochemistry of phosphorus in different granite suites of the Western Carpathians, Slovakia: the role of apatite and P-bearing feldspars. *Chemical Geology*, 205, 1-2, 224–236. doi: 10.1016/j.chemgeo.2003.09.004  
WoS: IF<sub>2003</sub>: 2,330; Q1 (10/52) in Geochemistry & Geophysics; počet citací: 59

**Faimon, J.**, **Nehyba, S.** (2004): The formation of spherical clay balls on the slopes of sandpit quarry, the Rudice-Sec (Czech Republic). *Catena*, 58, 1, 23–40. doi: 10.1016/j.catena.2004.001.002  
WoS: IF<sub>2003</sub>: 1,083; Q1 (10/55) in Water Resources; Q2 (49/128) in Geosciences, Multidisciplinary; Q2 (9/28) in Agriculture, Soil Science; počet citací: 4

**Kotková, J.** (2004): Geology without frontiers: magmatic and metamorphic evolution of Central European variscides. *Episodes*, 27, 1, 49–50. doi: neuvedeno  
WoS: IF<sub>2003</sub>: 1,020; Q2 (55/128) in Geosciences, Multidisciplinary; počet citací: 0

**Losos, Z.**, Beran, A. (2004): OH defects in cassiterite. *Mineralogy and Petrology*, 81, 3-4, 219–234. doi: 10.1007/s00710-004-0040-x  
WoS: IF<sub>2003</sub>: 1,086; Q2 (11/24) in Mineralogy; Q2 (24/52) in Geochemistry & Geophysics; počet citací: 13

**Novák, M.**, Černý, P., **Cempírek, J.**, Šrein, V., **Filip, J.** (2004): Ferrotapiolite as pseudomorph of stibiotantalite from the Lašovičky lepidolite pegmatite, Czech Republic; an example of hydrothermal alteration at constant Ta/(Ta+Nb). *Canadian Mineralogist*, 42, 4, 1117–1128. doi: 10.2113/gscanmin.42.4.1117  
WoS: IF<sub>2003</sub>: 1,046; Q2 (12/24) in Mineralogy; počet citací: 16

**Novák, M.**, Povondra, P., Selway, J.B. (2004): Schorl oxy-schorl to dravite- oxy-dravite tourmaline from granitic pegmatites; examples from the Moldanubicum, Czech Republic. *European Journal of Mineralogy*, 16, 2, 323–333. doi: 10.1127/0935-1221/2004/0016-0323  
WoS: IF<sub>2003</sub>: 1,185; Q2 (8/24) in Mineralogy; počet citací: 60

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

**Sracek, 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. doi: 10.1016/j.apgeochem.2003.09.005

**WoS:** IF<sub>2003</sub>: 1,804; **Q2** (15/52) in Geochemistry & Geophysics; počet citací: 136

**Sracek, 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. doi: 10.1016/S0169-7722(03)00150-5

**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: 104

### 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: 27

**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. doi: 10.1016/S0269-7491(02)00309-3

**WoS:** IF<sub>2002</sub>: 1,942; **Q1** (14/132) in Environmental Sciences; počet citací: 34

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

**WoS:** IF<sub>2002</sub>: 1,243; **Q2** (20/51) in Geochemistry & Geophysics; počet citací: 5

**Leichmann, J.**, Broska, I., **Zachovalová, K.** (2003): Low-grade metamorphic alteration of feldspar minerals: a CL study. *Terra Nova*, 15, 2, 104–108. doi: 10.1046/j.1365-3121.2003.00467.x

**WoS:** IF<sub>2002</sub>: 0,874; **Q2** (56/122) in Geosciences, Multidisciplinary; počet citací: 28

**Novák, M.**, Černý, P., Uher, P. (2003): Extreme variation and apparent reversal of Nb-Ta fractionation in columbite-group minerals from the Scheibengraben beryl-columbite pegmatite, Maršíkov, Czech Republic. *European Journal of Mineralogy*, 15, 3, 565–574. doi: 10.1127/0935-1221/2003/0015-0565

**WoS:** IF<sub>2002</sub>: 1,335; **Q2** (7/24) in Mineralogy; počet citací: 44