

2022 (celkem 23 článků, 8 studentů spoluautorů – červeně)

Boháč, M., Kubátová, D., Krejčí Kotlánová, M., Khongová, I., Zezulová, A., Novotný, R., Palou, M.T., Staněk, T., **Všianský, D.** (2022): The role of Li₂O, MgO and CuO on SO₃ activated clinkers. Cement and Concrete Research, 152, 106672. doi: 10.1016/j.cemconres.2021.106672

WoS: IF₂₀₂₁: 11,958; **Q1** (1/68) in Construction & Building Technology; **Q1** (36/345) in Materials Science, Multidisciplinary; počet citací: 0

Bosi, F., Pezzotta, F., Altieri, A., Andreozzi, G.B., Ballirano, P., tempesta, G., **Cempírek, J., Škoda, R.**, Filip, J., **Čopjaková, R., Novák, M.**, Kampf, A.R., Scribner, E.D., Groat, L.A., Evans, R.J. (2022): Celleriite, □(Mn²⁺Al)Al₆(Si₆O₁₈)(BO₃)₃(OH)₃(OH), a new mineral species of the tourmalin supergroup. American Mineralogist, 107, 1, 31–42. doi: 10.2138/am-2021-7818

WoS: IF₂₀₂₁: 3,066; **Q2** (39/87) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 1

Bosi, F., Pezzotta, F., Skogby, H., Altieri, A., Halenius, U., Tempesta, G., **Cempírek, J.** (2022): Princivalleite, Na(Mn₂Al)Al₆(Si₆O₁₈)(BO₃)₃(OH)₃O, a new mineral species of the tourmaline supergroup from Veddass Valley, Varese, Italy. Mineralogical Magazine, 86, 78–86. doi: 10.1180/mgm.2022.3

WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0

Buriánek, D., Ivanov, M., Janderková, J., **Patzel, M.** (2022): Importance of accessory minerals for the vertical distribution of uranium and thorium in soil profiles: A case study of durbachite from the Třebíč Pluton (Czech Republic). Catena, 213, 106166. doi: 10.1016/j.catena.2022.106166

WoS: IF₂₀₂₁: 6,367; **Q1** (17/201) in Geosciences, Multidisciplinary; **Q1** (8/39) in Soil Science; **Q1** (12/100) in Water Resources; počet citací: 0

Buriánková, I., Molíková, A., Vítězová, M., Onderka, V., Vítěz, T., Urbanová, I., Hanišáková, N., Černý, M., Novák, D., Lochman, J., **Zeman, J.**, Javůrek, J., Machálová, M., Dengler, L., Huber, H. (2022): Microbial Communities in Underground Gas Reservoirs Offer Promising Biotechnological Potential. Fermentation, 8 (6), 251. doi: 10.3390/fermentation8060251

WoS: IF₂₀₂₁: 5,123; **Q2** (44/158) in Biotechnology & Applied Microbiology; počet citací: 0

Calábková, G., Březina, J., Madzia, D. (2022): Evidence of large terrestrial seymouriamorphs in the lowermost Permian of the Czech Republic. Papers in Palaeontology, 8, 2, e1428. doi: 10.1002/spp2.1428

WoS: IF₂₀₂₁: 3,349; **Q1** (4/53) in Paleontology; počet citací: 2

Faimon, J., Baldík, V., Kryštofová, E., **Štelcl, J., Rez, J.** (2022): Calcite raft formation in abandoned technical adit (Moravian Karst). Applied Geochemistry, 141, 105282. doi: 10.1016/j.apgeochem.2022.105282

WoS: IF₂₀₂₁: 3,841; **Q2** (30/87) in Geochemistry & Geophysics; počet citací: 0

Geršlová, E., Medvecká, L., Jirman, P., **Nehyba, S.**, Opletal, V. (2022): Source rock potential of the Miocene sedimentary rocks in the Carpathian Foredeep of the Czech Republic. Geological Quarterly, 66, 1. doi: 10.7306/gg.1634

WoS: IF₂₀₂₁: 1,576; **Q2** (21/47) in Geology; počet citací: 0

Kampf, A.R., Olds, T.A., Plášil, J., Burns, P.C., **Škoda, R.**, Marty, J. (2022): Paramarkeyite, a new calcium-uranyl-carbonate mineral from the Markey mine, San Juan County, Utah, USA. Mineralogical Magazine, 86, 1, 27–36. doi: 10.1180/mgm.2021.100

WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0

Kasatkin, A.V., Plášil, J., Chukanov, N.V., **Škoda, R.**, Nestola, F., Agakhanov, A.A., Belakovskiy, D.I. (2022): Gurzhiite, Al(UO₂)(SO₄)₂F · 10H₂O, a new uranyl sulfate mineral with chain structure from Bykogorskoe deposit, Northern Caucasus, Russia. Mineralogical magazine. In Press. doi: 10.1180/mgm.2022.34

WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0

Kasatkin, A.V., Plášil, J., Makovicky, E., Chukanov, N.V., Škoda, R., Agakhanov, A.A., Tsyganko, M.V. (2022): Gungerite, $\text{TlAs}_5\text{Sb}_4\text{S}_{13}$, a new thallium sulfosalt with a complex structure containing covalent As-As bonds. *American Mineralogist*, 107, 6, 1164–1173. doi: 10.2138/am-2022-8003

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

Kozáková, P., Miglierini, M., Čaplovičová, M., Škoda, R., Bačík, P. (2022): Structural Breakdown of natural Epidote and Clinozoisite in High-T and Low-P conditions and Characterization of Its Products. *Minerals*, 12, 2, 238. doi: 10.3390/min12020238

WoS: IF₂₀₂₁: 2,818; Q2 (42/87) in Geochemistry & Geophysics; Q2 (11/30) in Mineralogy; Q2 (8/20) in Mining & Mineral Processing; počet citací: 0

Kremser, K., Thallner, S., Spiess, S., Kucera, J., Vaculovic, T., Všíanský, D., Haberbauer, M., Guebitz, G.M. (2022): Bioleaching and selective Precipitation for Metal Recovery from Basic Oxygen Furnace Slag. *Processes*, 10, 3, 576. doi: 10.3390/pr10030576

WoS: IF₂₀₂₁: 3,352; Q2 (69/142) in Engineering, Chemical; počet citací: 0

Kubeš, M., Leichmann, J., Kotková, J., Čopjaková, R., Holá, M., Sláma, J. (2022): Diversity of origin and geodynamic evolution of the mantle beneath the Variscan Orogen indicating rapid exhumation within subduction-related mélange (Moldanubian Zone, Bohemian Massif). *Lithos*, 422, 106726. doi: 10.1016/j.lithos.2022.106726

WoS: IF₂₀₂₁: 4,020; Q2 (28/87) in Geochemistry & Geophysics; Q2 (8/30) in Mineralogy; počet citací: 0

Mikuláš, R., Kočová Veselská, M., Kočí, T., Šamánek, J., Jäger, M., Heřmanová, Z., Bruthansová, J. (2022): Domichnial Borings in Serpulid Tube Walls: Prosperous Benthic Assemblages in the Cretaceous of France and the Czech Republic. *Frontiers in Ecology and Evolution*, 10, 882450. doi: 10.3389/fevo.2022.882450

WoS: IF₂₀₂₁: 4,493; Q2 (45/173) in Ecology; počet citací: 0

Otahal, P.P.S., Fialova, E., Vosahlik, J., Wiedner, H., Grossi, C., Vargas, A., Michielsen, N., Turtiainen, T., Luca, A., Wołoszczuk, K., Beck, T.R. (2022): Low-Level Radon Activity Concentration—A MetroRADON Internatikonol Intercomparison. *International Journal of Environmental Research and Public Health*, 19, 10, 5810. doi: 10.3390/ijerph19105810

WoS: IF₂₀₂₁: 4,614; Q2 (100/279) in Environmental Sciences; Q2 (71/210) in Public, Environmental & Occupational Health; počet citací: 0

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

WoS: IF₂₀₂₁: 3,556; Q2 (89/179) in Chemistry, Multidisciplinary; Q2 (34/87) in Geochemistry & Geophysics; počet citací: 0

Plášil, J., Škoda, R., Fatková, K. (2022): Crystallization of Uranyl Silicate Natroboltwoodite during an Experimental Dissolution of the Mineral Yttrialite-(Y): Crystal Structure and Raman Spectroscopy. *Crystal Growth & Design*, 22, 2, 1202–1211. doi: 10.1021/acs.cgd.1c01152

WoS: IF₂₀₂₁: 4,010; Q2 (76/179) in Chemistry, Multidisciplinary; Q1 (5/26) in Crystallography; Q2 (155/345) in Materials Science, Multidisciplinary; počet citací: 0

Sejkora, J., Žáček, V., Škoda, R., Laufek, F., Dolníček, Z. (2022): Radvaniceite, GeS_2 , a New Germanium Sulphide, from the Kateřina Mine, Radvanice near Trutnov, Czech Republic. *Minerals*, 12, 2, 1–12. doi: 10.3390/min12020222

WoS: IF₂₀₂₁: 2,818; Q2 (42/87) in Geochemistry & Geophysics; Q2 (11/30) in Mineralogy; Q2 (8/20) in Mining & Mineral Processing; počet citací: 0

Steciuk, G., Škoda, R., Dillingerová, V., Plášil, J. (2022): Chemical variability in vyacheslavite, $\text{U}(\text{PO}_4)(\text{OH})$: Crystal-chemical implications for hydrous and hydroxylated U^{4+} , Ca, and ReE phosphates. *American Mineralogist*, 107, 1, 131–137. doi: 10.2138/am-2021-7875

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

Tvrđý, J., Plášil, J., **Vrtiška, L.**, Sejkora, J., **Škoda, R.**, Dolníček, Z., Petr, M., Veselovský, F. (2022): Ferroberaunite, $\text{Fe}^{2+}\text{Fe}^{3+}_5(\text{PO}_4)_4(\text{OH})_5 \cdot 6\text{H}_2\text{O}$, a mixed-valence iron member of the beraunite series, from the Gravel Hill mine, Perranzabuloe, Cornwall. Mineralogical Magazine. In press. doi: 10.1180/mgm.2022.15
WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 1

von Koenigswald, W., **Březina, J.**, Werneburg, R., Göhlich, U.B. (2022): A partial skeleton of „*Mammut*“ *borsoni* (Proboscidea, Mammalia) from the Pliocene of Kaltensundheim (Germany). Palaeontologia Electronica, 25, 1–45. doi: 10.26879/1188
WoS: IF₂₀₂₁: 1,932; **Q2** (26/53) in Paleontology; počet citací: 0

Vodrážková, S., **Kumpan, T.**, Vodrážka, R., **Čopjaková, R.**, Koubová, M., Munnecke, A., **Kalvoda, J.**, Holá, D. (2022): Ferruginous coated grains of microbial origin from the Lower Devonian (Pragian) of the Prague Basin (Czech Republic) – petrological and geochemical perspective. Sedimentary Geology. In press. doi: 10.1016/j.sedgeo.2022.106194
WoS: IF₂₀₂₁: 3,329; **Q1** (5/47) in Geology; počet citací: 0

2021 (celkem 41 článků, 15 studentů spoluautorů – červeně)

Adameková, K., Lisá, L., Neruda, P., **Petrík, J.**, **Doláková, N.**, Novák, J., Volánek, J. (2021): Pedosedimentary record of MIS 5 as an interplay of climatic trends and local conditions: Multi-proxy evidence from the Palaeolithic site of Moravský Krumlov IV (Moravia, Czech Republic). Catena, 200, 105174. doi: 10.1016/j.catena.2021.105174
WoS: IF₂₀₂₀: 5,198; **Q1** (12/98) in Water Resources; **Q1** (7/37) in Soil Science; **Q1** (22/199) in Geosciences, Multidisciplinary; počet citací: 1

Bábek, O., **Kumpan, T.**, Calner, M., Šimíček, D., Frýda, J., Holá, M., Ackerman, L., Kolková, K. (2021): Redox geochemistry of the red „orthoceratite limestone“ of Baltoscandia: Possible linkage to mid-ordovician palaeoceanographic changes. Sedimentary Geology, 420, 105934. doi: 10.1016/j.sedgeo.2021.105934
WoS: IF₂₀₂₀: 3,397; **Q1** (7/48) in Geology; počet citací: 0

Bábek, O., Vodrážková, S., **Kumpan, T.**, **Kalvoda, J.**, Holá, M., Ackerman, L. (2021): Geochemical record of the subsurface redox gradient in marine red beds: A case study from the Devonian Prague Basin, Czechia. Sedimentology, 68, 3523–3548. doi: 10.1111/sed.12910
WoS: IF₂₀₂₀: 4,155; **Q1** (4/48) in Geology; počet citací: 0

Bačík, P., Fridrichová, J., Uher, P., Vaculovič, T., Bizovská, V., **Škoda, R.**, Dekan, J., Miglierini, M., Malíčková, I. (2021): Beryl crystal chemistry and trace elements: Indicators of pegmatite development and fractionation (Damara Belt, Namibia). Lithos, 106441. doi: 10.1016/j.lithos.2021.106441
WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 0

Bonilla-Salomón, I., Čermák, S., Luján, Á.H., Horáček, I., **Ivanov, M.**, Sabol, M. (2021): Early Miocene small mammals from MWQ1/2001 Turtle Joint (Mokrá-Quarry, South Moravia, Czech Republic): biostratigraphical and palaeoecological considerations. Bulletin of Geosciences, 96, 1, 99–122.
WoS: IF₂₀₂₀: 1,600; **Q2** (27/57) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 3

Bonilla-Salomón, I., Luján, Á.H., **Ivanov, M.**, Sabol, M. (2021): *Aliveria mojmiri* sp. Nov. Among other flying and ground squirrels (Rodentia, Mammalia) from the early Miocene of Mokrá-Quarry sites (Moravia, Czech Republic). Historical Biology. In press. doi: 10.1080/08912963.2021.1992403
WoS: IF₂₀₂₀: 2,259; **Q1** (11/54) in Paleontology; počet citací: 0

Březina, J., Alba, D.M., **Ivanov, M.**, Hanáček, M., Luján, Á.H. (2021): A middle Miocene vertebrate assemblage from the Czech part of the Vienna Basin: Implications for the paleoenvironments of the Central Paratethys. Palaeogeography, Palaeoclimatology, Palaeoecology, 575, 110473.
WoS: IF₂₀₂₀: 3,318; **Q2** (21/50) in Geography, Physical; **Q1** (2/54) in Paleontology; **Q2** (74/199) in Geosciences, Multidisciplinary; počet citací: 2

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

WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 0

Frýbort, A., Štulířová, J., Zavřel, T., Gregerová, M., Všíanský, D. (2021): Reactivity of slag in 15 years old self-compacting concrete. *Construction and Building Materials*, 267, 120914. doi: 10.1016/j.conbuildmat.2020.120914

WoS: IF₂₀₂₀: 6,141; **Q1** (7/136) in Engineering, Civil; **Q2** (86/335) in Materials Science, Multidisciplinary; **Q1** (7/66) in Construction & Building Technology; počet citací: 0

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

WoS: IF₂₀₂₀: 3,003; **Q2** (10/30) in Mineralogy; **Q2** (36/88) in Geochemistry & Geophysics; počet citací: 0

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

WoS: IF₂₀₂₀: 3,752; **Q1** (8/43) in Spectroscopy; počet citací: 1

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

WoS: IF₂₀₂₀: 3,809; **Q2** (8/30) in Mineralogy; **Q1** (5/21) in Mining & Mineral Processing; počet citací: 1

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

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

Chládek, Š., Uher, P., **Novák, M.,** Bačík, P., Opletal, T. (2021): Microlite-group minerals: tracers of complex post-magmatic evolution in beryl–columbite granitic pegmatites, Maršíkov District, Bohemian Massif, Czech Republic. *Mineralogical Magazine*, 85, 5, 725–743. doi: 10.1180/mgm.2021.58

WoS: IF₂₀₂₀: 2,062; **Q2** (13/30) in Mineralogy; počet citací: 0

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

WoS: IF₂₀₂₀: 1,600; **Q2** (27/54) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 2

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

WoS: IF₂₀₂₀: 3,874; **Q3** (59/106) in Nanoscience & Nanotechnology; **Q2** (44/160) in Physics, Applied; **Q2** (139/334) in Materials Science, Multidisciplinary; počet citací: 0

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

WoS: IF₂₀₂₀: 3,207; **Q2** (58/160) in Physics, Applied; počet citací: 5

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

WoS: IF₂₀₂₀: 2,062; **Q2** (13/30) in Mineralogy; počet citací: 0

- Kočová Veselská, M., Kočí, T., Jäger, M., Mikuláš, R., Heřmanová, Z., Morel, N., **Šamánek, J.** (2021): Sclerobionts on tubes of the serpulid *Pyrgopolon (Pyrgopolon) deforme* (Lamarck, 1818) from the upper Cenomanian of Le Mans region, France. *Cretaceous Research*, 125, 104873. doi: 10.1016/j.cretres.2021.104873
WoS: IF₂₀₂₀: 2,176; **Q1** (13/54) in Paleontology; **Q2** (14/48) in Geology; počet citací: 3
- Kotková, J., **Čopjaková, R., Škoda, R.** (2021): Multiphase solid inclusions reveal the origin and fate of carbonate-silicate melts in metasomatised peridotite. *Lithos*, 398, 106309. doi: 10.1016/j.lithos.2021.106309
WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 0
- Kremser, K., Thallner, S., Strbik, D., Spiess, S., Kučera, J., Vaculovič, T., **Všianský, D.**, Haberbauer, M., Mandl, M., Guebitz, G.M. (2021): Leachability of metals from waste incineration residues by iron- and sulfur-oxidizing bacteria. *Journal of Environmental Management*, 280, 111734. doi: 10.1016/j.jenvman.2020.111734
WoS: IF₂₀₂₀: 6,789; **Q1** (34/274) in Environmental Sciences; počet citací: 4
- Krmíček, L., Novák, M., Trumbull, R.B., Cempírek, J., Houzar, S.** (2021): Boron isotopic variations in tourmaline from metacarbonates and associated talc-silicate rocks from the Bohemian Massif: Constraints on boron recycling in the Variscan orogen. *Geoscience Frontiers*, 12, 1, 219–230. doi: 10.1016/j.gsf.2020.03.009
WoS: IF₂₀₂₀: 6,853; **Q1** (8/199) in Geosciences, Multidisciplinary; počet citací: 3
- Krmíček, L., Romer, R.L., Timmerman, M.J., Ulrych, J., Glodny, J., Přichystal, A., Sudom, M.** (2021): Long-lasting (65 Ma) regionally contrasting late- to post-orogenic Variscan mantle-derived potassic magmatism in the Bohemian Massif (vol 61, egaa072, 2020). *Journal of Petrology*, 62, 5, egab040. doi: 10.1093/petrology/egab040
WoS: IF₂₀₂₀: 1,708; **Q1** (12/88) in Geochemistry & Geophysics; počet citací: 0
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WoS: IF₂₀₂₀: 1,708; **Q2** (15/30) in Mineralogy; **Q3** (54/88) in Geochemistry & Geophysics; počet citací: 0
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WoS: IF₂₀₁₉: 6,551; **Q1** (22/265) in Environmental Sciences; počet citací: 8

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

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

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

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

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

WoS: IF₂₀₁₉: 2,728; **Q1** (8/47) in Geology; počet citací: 4

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

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 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: IF₂₀₁₉: 2,924; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; 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: IF₂₀₁₉: 2,180; **Q3** (147/265) in Environmental Sciences; **Q3** (103/200) in Geosciences, Multidisciplinary; **Q2** (43/94) in Water Resources; počet citací: 3

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

WoS: IF₂₀₁₉: 2,833; **Q2** (21/50) in Geography, Physical; **Q2** (66/200) in Geosciences, Multidisciplinary; **Q1** (5/55) in Paleontology; počet citací: 0

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

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

WoS: IF₂₀₁₈: 3,909; **Q1** (4/38) in Engineering, Geological; **Q1** (30/196) Geosciences, Multidisciplinary; počet citací: 5

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

WoS: IF₂₀₁₈: 2,764; **Q2** (34/84) in Geochemistry & Geophysics; počet citací: 13

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

WoS: IF₂₀₁₈: 1,500; **Q2** (20/57) in Paleontology; **Q3** (138/196) in Geosciences, Multidisciplinary; počet citací: 3

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

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

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

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

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

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

WoS: IF₂₀₁₈: 1,366; Q2 (24/57) in Paleontology; počet citací: 25

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: IF₂₀₁₈: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 5

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

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

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

WoS: IF₂₀₁₈: 3,913; Q1 (16/84) in Geochemistry & Geophysics; Q1 (3/29) in Mineralogy; počet citací: 14

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

WoS: IF₂₀₁₈: 3,538; Q1 (39/196) in Geosciences, Multidisciplinary; počet citací: 6

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

WoS: IF₂₀₁₈: 2,616; Q1 (4/57) in Paleontology; Q2 (25/50) in Geography, Physical; Q2 (70/196) in Geosciences, Multidisciplinary; počet citací: 16

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

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

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

WoS: IF₂₀₁₈: 2,250; Q2 (6/19) in Mining & Mineral Processing; Q2 (12/29) in Mineralogy; počet citací: 1

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

WoS: IF₂₀₁₈: 3,244; Q1 (94/47) in Geology; počet citací: 13

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

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

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

WoS: IF₂₀₁₈: 1,818; **Q1** (11/57) in Paleontology; počet citací: 9

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

WoS: IF₂₀₁₈: 3,315; **Q1** (7/29) in Mineralogy; **Q1** (3/19) in Mining & Mineral Processing; **Q2** (39/138) in Engineering, Chemical; počet citací: 1

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

WoS: IF₂₀₁₈: 5,108; **Q1** (32/251) in Environmental Sciences; počet citací: 1

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

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

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: IF₂₀₁₈: 3,618; **Q1** (19/84) in Geochemistry & Geophysics; počet citací: 6

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

WoS: IF₂₀₁₈: 2,597; **Q2** (71/196) in Geosciences, Multidisciplinary; počet citací: 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: IF₂₀₁₈: 2,663; **Q1** (2/57) in Paleontology; počet citací: 4

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

WoS: IF₂₀₁₈: 2,250; **Q2** (29/84) in Geochemistry & Geophysics; počet citací: 6

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

WoS: IF₂₀₁₈: 5,589; **Q1** (27/250) in Environmental Sciences; počet citací: 11

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

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

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

WoS: IF₂₀₁₈: 1,489; **Q2** (22/57) in Paleontology; počet citací: 8

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

WoS: IF₂₀₁₈: 2,909; **Q1** (10/170) in Zoology; počet citací: 4

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

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

WoS: IF₂₀₁₇: 3,992; **Q2** (13/149) in Evolutionary Biology; počet citací: 5

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

WoS: IF₂₀₁₇: 2,575; **Q1** (4/47) in Geology; počet citací: 12

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

WoS: IF₂₀₁₇: 3,982; **Q1** (8/49) in Geography, Physical; **Q1** (20/190) in Geosciences, Multidisciplinary; počet citací: 15

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

WoS: IF₂₀₁₇: 3,811; **Q1** (1/36) in Engineering, Geological; **Q1** (25/190) in Geosciences, Multidisciplinary; počet citací: 7

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

WoS: IF₂₀₁₇: 4,019; **Q2** (32/123) in Microbiology; počet citací: 8

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

WoS: IF₂₀₁₇: 3,626; **Q1** (6/29) in Mineralogy; **Q1** (17/85) in Geochemistry & Geophysics; počet citací: 5

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

WoS: IF₂₀₁₇: 2,645; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/29) in Mineralogy; počet citací: 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: IF₂₀₁₇: 3,740; **Q1** (5/34) in Soil Science; počet citací: 7

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

WoS: IF₂₀₁₇: 2,892; **Q2** (89/285) in Materials Science, Multidisciplinary; **Q1** (10/75) in Metallurgy & Metallurgical Engineering; **Q1** (3/33) in Materials Science, Characterization & Testing; počet citací: 6

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

WoS: IF₂₀₁₇: 2,326; **Q1** (6/56) in Paleontology; **Q3** (31/49) in Evolutionary Biology; počet citací: 22

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

WoS: IF₂₀₁₇: 3,485; **Q1** (9/63) in Construction & Building Technology; **Q1** (9/132) in Engineering, Civil; **Q1** (70/293) in Materials Science, Multidisciplinary; počet citací: 3

Kalvoda, J., Kumpan, T., Holá, M., Bábek, O., Kanický, V., Škoda, R. (2018): Fine-scale LA-ICP-MS study of redox Oscillations and REEY cycling during the latest Devonian Hangenberg Crisis (Moravian Karst, Czech Republic). *Palaeogeography Palaeoclimatology Palaeoecology*, 493, 30–43. doi: 10.1016/j.palaeo.2017.12.034

WoS: IF₂₀₁₇: 2,375; **Q2** (23/49) in Geography, Physical; **Q2** (71/190) in Geosciences, Multidisciplinary; **Q1** (5/56) in Paleontology; počet citací: 11

Kasatkin, A.V., Nestola, F., Agakhanov, A.A., **Škoda, R.**, Karpenko, V.Y., Tsyganko, M.V., Plášil, J. (2018): Vorontsovite, (Hg₅Cu)_{Σ6}TlAs₄S₁₂, and Ferrovorontsovite, (Fe₅Cu)_{Σ6}TlAs₄S₁₂: The Tl- and Tl-Fe-Analogues of Galkhaite from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. *Minerals*, 8, 5, 185. doi: 10.3390/min8050185

WoS: IF₂₀₁₇: 1,835; **Q2** (7/20) in Mining & Mineral Processing; **Q2** (13/29) in Mineralogy; počet citací: 8

Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.**, Agakhanov, A.A., Karpenko, V.Y., Nestola, F. (2018): Tsygankoite, Mn₈Tl₈Hg₂(Sb₂₁Pb₂Tl)_{Σ24}S₄₈, a New Sulfosalt from the Vorontsovskoe Gold Deposit, Northern Urals, Russia. *Minerals*, 8, 5, 218. doi: 10.3390/min8050218

WoS: IF₂₀₁₇: 1,835; **Q2** (7/20) in Mining & Mineral Processing; **Q2** (13/29) in Mineralogy; počet citací: 6

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WoS: IF₂₀₁₇: 1,835; **Q2** (13/29) in Mineralogy; **Q2** (7/20) in Mining & Mineral Processing; počet citací: 6

Nejman, L., **Lisá, L., Doláková, N.**, Horáček, I., Bajer, A., Novák, J., Wright, D., Sullivan, M., Wood, R., Gargett, R.H., Pacher, M., Sázelová, S., Nývltová Fišáková, M., Rohovec, J., Králík, M. (2018): Cave deposits as a sedimentary trap for the Marine Isotope Stage 3 environmental record: The case study of Pod Hradem, Czech Republic. *Palaeogeography Palaeoclimatology Palaeoecology*, 497, 201–217. doi: 10.1016/j.palaeo.2018.02.020

WoS: IF₂₀₁₇: 2,375; **Q2** (23/49) in Geography, Physical; **Q2** (71/190) in Geosciences, Multidisciplinary; **Q1** (5/56) in Paleontology; počet citací: 4

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WoS: IF₂₀₁₇: 2,414; **Q2** (69/190) in Geosciences, Multidisciplinary; počet citací: 2

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WoS: IF₂₀₁₇: 5,414; **Q2** (69/190) in Geosciences, Multidisciplinary; počet citací: 9

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WoS: IF₂₀₁₇: 6,467; **Q1** (27/171) in Chemistry, Multidisciplinary; **Q1** (4/26) in Crystallography; počet citací: 5

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WoS: IF₂₀₁₇: 1,616; **Q3** (35/49) in Geography, Physical; **Q2** (17/47) in Geology; počet citací: 0

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WoS: IF₂₀₁₇: 2,638; **Q2** (21/49) in Geography, Physical; **Q2** (59/190) in Geosciences, Multidisciplinary; počet citací: 0

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

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WoS: IF₂₀₁₇: 2,622; **Q2** (61/190) in Geosciences, Multidisciplinary; počet citací: 3

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WoS: IF₂₀₁₇: 2,163; **Q3** (29/49) in Geography, Physical; **Q2** (85/190) in Geosciences, Multidisciplinary; počet citací: 11

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WoS: IF₂₀₁₇: 2,638; **Q2** (21/49) in Geography, Physical; **Q2** (59/190) in Geosciences, Multidisciplinary; počet citací: 13

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WoS: IF₂₀₁₇: 3,857; **Q1** (4/29) in Mineralogy; **Q1** (14/85) in Geochemistry & Geophysics; počet citací: 18

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WoS: IF₂₀₁₆: 3,095; **Q1** (4/47) in Geology; **Q1** (6/29) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 11

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WoS: IF₂₀₁₆: 2,283; **Q2** (71/188) in Geosciences, Multidisciplinary; počet citací: 9

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WoS: IF₂₀₁₆: 4,635; **Q1** (1/47) in Geology; počet citací: 3

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WoS: IF₂₀₁₆: 3,932; **Q2** (16/48) in Evolutionary Biology; počet citací: 8

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WoS: IF₂₀₁₆: 2,373; **Q1** (10/47) in Geology; počet citací: 6

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WoS: IF₂₀₁₆: 1,362; **Q2** (14/29) in Mineralogy; počet citací: 2

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WoS: IF₂₀₁₆: 1,362; **Q2** (14/29) in Mineralogy; počet citací: 9

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WoS: IF₂₀₁₆: 2,021; Q2 (10/29) in Mineralogy; Q2 (39/84) in Geochemistry & Geophysics; počet citací: 1

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WoS: IF₂₀₁₆: 3,347; Q1 (17/84) in Geochemistry & Geophysics; počet citací: 3

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WoS: IF₂₀₁₆: 2,373; Q1 (10/47) in Geology; počet citací: 7

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WoS: IF₂₀₁₅: 2,236; Q1 (8/47) in Geology; počet citací: 35

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WoS: IF₂₀₁₅: 1,918; Q2 (9/29) in Mineralogy; Q2 (37/81) in Geochemistry & Geophysics; počet citací: 14

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WoS: IF₂₀₁₅: 2,365; Q1 (7/47) in Geology; počet citací: 8

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WoS: IF₂₀₁₅: 1,636; **Q1** (21/84) in Anthropology; počet citací: 8

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WoS: IF₂₀₁₅: 2,468; **Q2** (29/81) in Geochemistry & Geophysics; počet citací: 7

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WoS: IF₂₀₁₅: 8,743; **Q1** (2/184) in Geosciences, Multidisciplinary; počet citací: 19

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WoS: IF₂₀₁₅: 1,585; **Q3** (141/271) in Materials Science, Multidisciplinary; **Q2** (13/29) in Mineralogy; počet citací: 13

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WoS: IF₂₀₁₅: 3,294; **Q1** (28/184) in Geosciences, Multidisciplinary; **Q2** (26/88) in Energy & Fuels; počet citací: 15

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WoS: IF₂₀₁₅: 3,723; **Q1** (4/29) in Mineralogy; **Q1** (11/81) in Geochemistry & Geophysics; počet citací: 28

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WoS: IF₂₀₁₅: 2,893; **Q1** (17/75) in Chemistry, Analytical; počet citací: 11

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WoS: IF₂₀₁₅: 3,143; **Q1** (2/54) in Paleontology; **Q2** (19/46) in Evolutionary Biology; počet citací: 23

Klus, J., **Mikysek, P.**, Procházka, D., Pořízka, P., Procházková, P., Novotný, J., Trojek, T., Novotný, K., **Slobodník, M.**, Kaiser, J. (2016): Multivariate approach to the chemical mapping of uranium in sandstone-hosted uranium ores analyzed using double pulse Laser-Induced Breakdown Spectroscopy. *Spectrochimica Acta Part B: Atomic Spectroscopy*, 123, 143–149. doi: 10.1016/j.sab.2016.08.014

WoS: IF₂₀₁₅: 3,289; **Q1** (8/43) in Spectroscopy; počet citací: 44

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WoS: IF₂₀₁₅: 2,474; **Q2** (47/184) in Geosciences, Multidisciplinary; **Q1** (19/104) in Computer Science, Interdisciplinary Applications; počet citací: 8

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WoS: IF₂₀₁₅: 3,673; **Q1** (3/47) in Geology; počet citací: 27

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WoS: IF₂₀₁₅: 3,294; **Q1** (28/184) in Geosciences, Multidisciplinary; **Q2** (26/88) in Energy & Fuels; počet citací: 4

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WoS: IF₂₀₁₅: 4,548; **Q1** (1/47) in Geology; počet citací: 14

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WoS: IF₂₀₁₅: 2,135; **Q2** (22/49) in Geography, Physical; **Q2** (64/184) in Geosciences, Multidisciplinary; počet citací: 8

Pabst, W., Gregorová, E., Kloužek, J., Kloužková, A., Zemanová, P., Kohoutková, M., Sedlářová, I., Lang, K., Kotouček, M., Nevřivová, L., **Všianský, D.** (2016): High-temperature Young's moduli and dilatation behavior of silica refractories. *Journal of the European Ceramic Society*, 36, 1, 209–220. doi: 10.1016/j.jeurceramsoc.2015.09.020

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WoS: IF₂₀₁₅: 2,768; **Q1** (8/85) in Water Resources; počet citací: 8

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WoS: IF₂₀₁₅: 1,322; **Q3** (28/54) in Paleontology; **Q2** (23/49) in Biodiversity Conservation; počet citací: 11

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WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 28

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WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 10

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WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 21

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WoS: IF₂₀₁₅: 2,212; **Q2** (8/29) in Mineralogy; počet citací: 9

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WoS: IF₂₀₁₅: 1,690; **Q2** (17/47) in Geology; **Q2** (19/54) in Paleontology; počet citací: 4

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

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WoS: IF₂₀₁₄: 1,964; **Q2** (9/28) in Mineralogy; **Q2** (37/79) in Geochemistry & Geophysics; počet citací: 25

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

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WoS: IF₂₀₁₄: 1,538; **Q3** (136/260) in Materials Science, Multidisciplinary; **Q2** (12/28) in Mineralogy; počet citací: 13

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WoS: IF₂₀₁₄: 3,381; **Q1** (21/175) in Geosciences, Multidisciplinary; **Q2** (23/89) in Energy & Fuels; počet citací: 16

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

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

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WoS: IF₂₀₁₄: 1,627; **Q2** (85/175) in Geosciences, Multidisciplinary; počet citací: 37

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WoS: IF₂₀₁₄: 1,349; **Q2** (14/28) in Mineralogy; **Q3** (47/79) in Geochemistry & Geophysics; počet citací: 10

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WoS: IF₂₀₁₄: 4,482; **Q1** (2/28) in Mineralogy; **Q1** (6/79) in Geochemistry & Geophysics; počet citací: 18

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WoS: IF₂₀₁₄: 1,515; **Q3** (95/175) in Geosciences, Multidisciplinary; **Q2** (13/50) in Paleontology; počet citací: 24

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WoS: IF₂₀₁₄: 1,656; **Q2** (81/175) in Geosciences, Multidisciplinary; počet citací: 16

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

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WoS: IF₂₀₁₄: 4,482; **Q1** (2/28) in Mineralogy; **Q1** (6/79) in Geochemistry & Geophysics; počet citací: 19

Plášil, J., Hloušek, J., Kasatkin, A.V., **Škoda, R.**, Novák, M., Čejka, J. (2015): Geschieberite, $K_2(UO_2)(SO_4)_2(H_2O)_2$, a new uranyl sulfate mineral from Jáchymov. *Mineralogical Magazine*, 79, 1, 205–216. doi: 10.1180/minmag.2015.079.1.16

WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 9

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WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 5

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WoS: IF₂₀₁₄: 3,318; **Q1** (14/79) in Geochemistry & Geophysics; počet citací: 6

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

WoS: IF₂₀₁₄: 3,381; **Q1** (21/175) in Geosciences, Multidisciplinary; **Q2** (23/89) in Energy & Fuels; počet citací: 9

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

WoS: IF₂₀₁₄: 2,062; **Q3** (24/46) in Geography, Physical; **Q2** (63/175) in Geosciences, Multidisciplinary; počet citací: 21

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WoS: IF₂₀₁₄: 2,639; **Q1** (40/175) in Geosciences, Multidisciplinary; počet citací: 21

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WoS: IF₂₀₁₄: 2,026; **Q2** (8/28) in Mineralogy; počet citací: 16

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

WoS: IF₂₀₁₄: 3,466; **Q1** (6/44) in Spectroscopy; **Q1** (12/74) in Chemistry, Analytical; počet citací: 5

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

WoS: IF₂₀₁₄: 3,558; **Q1** (3/46) in Geology; **Q1** (4/28) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 31

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

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

WoS: IF₂₀₁₃: 2,265; **Q1** (12/124) in Engineering, Civil; **Q1** (62/251) in Materials Science, Multidisciplinary; **Q1** (7/58) in Construction & Building Technology; počet citací: 65

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

WoS: IF₂₀₁₃: 1,898; **Q2** (9/27) in Mineralogy; počet citací: 22

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WoS: IF₂₀₁₃: 2,129; **Q2** (19/44) in Spectroscopy; počet citací: 3

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

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

WoS: IF₂₀₁₃: 1,572; **Q3** (113/216) in Environmental Sciences; **Q2** (80/174) in Geosciences, Multidisciplinary; **Q2** (33/81) in Water Resources; počet citací: 6

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WoS: IF₂₀₁₃: 2,741; **Q1** (4/44) in Geology; počet citací: 57

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

WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 22

Kalvoda, J., Nudds, J., **Bábek, O.**, Howells, C. (2014): Late Chadian-early Arundian high-resolution biostratigraphy in the Ogmor-by-Sea section (South Wales–Mendip shelf) and the mid-Avonian unconformity. *Journal of the Geological Society*, 171, 1, 41–47. doi: 10.1144/jgs2013-023

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

Kotková, J., Škoda, R., Machovič, V. (2014): Kumdykolite from the ultrahigh-pressure granulite of the Bohemian Massif. *American Mineralogist*, 99, 8-9, 1798–1801. doi: 10.2138/am.2014.4889

WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 16

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

WoS: IF₂₀₁₃: 2,134; **Q1** (11/44) in Geology; počet citací: 36

Kumpan, T., **Bábek, O.**, **Kalvoda, J.**, Frýda, J., Matys Grygar, T. (2014): A high-resolution, multiproxy stratigraphic analysis of the Devonian–Carboniferous boundary sections in the Moravian Karst (Czech Republic) and a correlation with the Carnic Alps (Austria). *Geological Magazine*, 151, 2, 201–215. doi: 10.1017/S0016756812001057

WoS: IF₂₀₁₃: 2,177; **Q2** (55/174) in Geosciences, Multidisciplinary; počet citací: 41

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

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

WoS: IF₂₀₁₃: 5,481; Q1 (8/216) in Environmental Sciences; Q1 (2/46) in Engineering, Environmental; počet citací: 35

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

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

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

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

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

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

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

WoS: IF₂₀₁₃: 2,059; Q2 (8/27) in Mineralogy; Q2 (33/80) in Geochemistry & Geophysics; počet citací: 22

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

WoS: IF₂₀₁₃: 2,628; Q1 (6/44) in Geology; počet citací: 12

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

WoS: IF₂₀₁₃: 3,150; Q1 (8/44) in Spectroscopy; počet citací: 10

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

WoS: IF₂₀₁₃: 3,150; Q1 (8/44) in Spectroscopy; počet citací: 39

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

WoS: IF₂₀₁₃: 2,139; Q2 (56/174) in Geosciences, Multidisciplinary; počet citací: 13

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

WoS: IF₂₀₁₃: 1,594; **Q1** (16/82) in Anthropology; počet citací: 12

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

WoS: IF₂₀₁₃: 3,383; **Q1** (3/44) in Geology; **Q1** (4/27) in Mineralogy; **Q1** (1/21) in Mining & Mineral Processing; počet citací: 34

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

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

WoS: IF₂₀₁₂: 1,802; **Q1** (11/47) in Geology; počet citací: 32

Bačík, P., Cempírek, J., Uher, P., **Novák, M.**, Ozdín, D., Filip, J., **Škoda, R., Breiter, K.**, Klementová, M., Ďud'a, R., Groat, L. (2013): Oxy-schorl, Na(Fe²⁺₂Al)Al₆Si₆O₁₈(BO₃)₃(OH)₃O, a new mineral from Zlatá Idka, Slovak Republic and Příbyslavice, Czech Republic. *American Mineralogist*, 98, 485–492. doi: 10.2138/am.2013.4293

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 31

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

WoS: IF₂₀₁₂: 2,684; **Q2** (20/76) in Geochemistry & Geophysics; počet citací: 23

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

WoS: IF₂₀₁₂: 1,748; **Q3** (106/210) in Environmental Sciences; **Q2** (37/74) in Meteorology & Atmospheric Sciences; **Q2** (27/80) in Water Resources; počet citací: 21

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

WoS: IF₂₀₁₂: 1,211; **Q3** (125/241) in Materials Science, Multidisciplinary; **Q2** (9/34) in Nuclear Science & Technology; **Q1** (4/20) in Mining & Mineral Processing; počet citací: 10

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

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 12

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

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

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

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 12

Kubát, V., **Losos, Z.,** Trávníček, Z., Novosad, J. (2013): A new synthetic route for the preparation of metal

tellurides. *Inorganic Chemistry Communications*, 38, 8–10. doi: 10.1016/j.inoche.2013.10.003

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

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

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

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

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 33

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

WoS: IF₂₀₁₂: 1,439; **Q2** (24/83) in Anthropology; počet citací: 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, Na(LiAl₂)Al₆(BO₃)₃Si₆O₁₈(OH)₃O, a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886–1892. doi: 10.2138/am.2013.4416

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 17

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

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 3

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

WoS: IF₂₀₁₂: 3,218; **Q1** (8/45) in Geography, Physical; **Q1** (22/172) in Geosciences, Multidisciplinary; počet citací: 12

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

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

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

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 11

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

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 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, U(AsO₃OH)₂ · 4H₂O, from Jáchymov, Czech Republic: the first natural arsenate of tetravalent uranium. *Mineralogical Magazine*, 77, 1, 137–152. doi: 10.1180/minmag.2013.077.1.12

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 11

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

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

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

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

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

WoS: IF₂₀₁₂: 2,212; Q1 (6/26) in Mineralogy; počet citací: 17

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

WoS: IF₂₀₁₂: 1,445; Q3 (120/210) in Environmental Sciences; Q2 (86/172) in Geosciences, Multidisciplinary; Q2 (35/80) Water Resources; počet citací: 17

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

WoS: IF₂₀₁₂: 1,304; Q2 (113/241) in Materials Science, Multidisciplinary; Q2 (11/26) in Mineralogy; počet citací: 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: IF₂₀₁₂: 3,498; Q1 (12/75) in Chemistry, Analytical; počet citací: 24

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

WoS: IF₂₀₁₂: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 17

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

WoS: IF₂₀₁₂: 1,962; Q2 (21/45) in Geography, Physical; Q2 (58/172) in Geosciences, Multidisciplinary; počet citací: 20

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: IF₂₀₁₁: 3,518; Q1 (7/76) in Geochemistry & Geophysics; počet citací: 50

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

WoS: IF₂₀₁₁: 2,423; Q1 (5/26) in Mineralogy; Q2 (21/176) in Geochemistry & Geophysics; počet citací: 137

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

WoS: IF₂₀₁₁: 2,906; **Q1** (17/71) in Meteorology & Atmospheric Sciences; počet citací: 50

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WoS: IF₂₀₁₁: 2,000; **Q2** (48/170) in Geosciences, Multidisciplinary; počet citací: 27

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WoS: IF₂₀₁₁: 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 Fe³⁺-rich schorl. *Geochimica et Cosmochimica Acta*, 86, 239–256. doi: 10.1016/j.gca.2012.02.031

WoS: IF₂₀₁₁: 4,259; **Q1** (3/76) in Geochemistry & Geophysics; počet citací: 54

Kalvoda, J., Bábek, O., Aretz, M., Cossey, P., Devuyt, F.X., Hargreaves, S., Nudds, J. (2012): High resolution biostratigraphy of the Tournaisian-Viséan boundary interval in the North Staffordshire Basin and correlation with the South Wales-Mendip Shelf. *Bulletin of Geosciences*, 87, 3, 497–541. doi: 10.3140/bull.geosci.1338

WoS: IF₂₀₁₁: 1,099; **Q3** (102/170) in Geosciences, Multidisciplinary; **Q2** (24/49) in Paleontology; počet citací: 4

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WoS: IF₂₀₁₁: 2,027; **Q1** (5/75) in Metallurgy & Metallurgical Engineering; počet citací: 50

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WoS: IF₂₀₁₁: 1,625; **Q2** (101/205) in Environmental Sciences; **Q3** (37/71) in Meteorology & Atmospheric Sciences; **Q2** (24/78) in Water Resources; počet citací: 32

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

WoS: IF₂₀₁₁: 1,321; **Q2** (12/26) in Mineralogy; počet citací: 6

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

WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 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: IF₂₀₁₁: 1,321; **Q2** (12/26) in Mineralogy; počet citací: 19

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

WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 28

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: IF₂₀₁₁: 2,104; **Q2** (44/170) in Geosciences, Multidisciplinary; počet citací: 7

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

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

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

WoS: IF₂₀₁₁: 1,537; **Q2** (13/47) in Geology; počet citací: 23

Škoda, R., Cempírek, J., Filip, J., **Novák, M.,** Veselovský, F., Čtvrtlík, R. (2012): Allanite-(Nd), $\text{CaNdAl}_2\text{Fe}^{2+}(\text{SiO}_4)(\text{Si}_2\text{O}_7)\text{O}(\text{OH})$, a new mineral from Åskagen, Sweden. *American Mineralogist*, 97, 5–6, 983–988. doi: 10.2138/am.2012.3936

WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 14

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

WoS: IF₂₀₁₁: 1,572; **Q1** (3/32) in Materials Science, Characterization & Testing; počet citací: 9

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

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

WoS: IF₂₀₁₀: 1,893; **Q2** (12/32) in Soil Science; **Q1** (13/76) in Water Resources; **Q2** (55/167) in Geosciences, Multidisciplinary; počet citací: 38

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WoS: IF₂₀₁₀: 4,567; **Q1** (2/42) in Geography, Physical; **Q1** (6/167) in Geosciences, Multidisciplinary; počet citací: 37

Čopjaková, R., Novák, M., Franců, E. (2011): Formation of authigenic monazite-(Ce) to monazite-(Nd) from Upper Carboniferous greywackes of the Drahany 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: IF₂₀₁₀: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 28

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: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 375

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

WoS: IF₂₀₁₀: 1,795; **Q2** (7/18) in Materials Science, Coatings & Films; **Q2** (41/118) in Physics, Applied; **Q2** (26/68) in Physics, Condensed Matter; **Q3** (75/127) in Chemistry, Physical; počet citací: 23

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

WoS: IF₂₀₁₀: 1,202; **Q2** (24/48) in Paleontology; **Q3** (88/167) in Geosciences, Multidisciplinary; počet citací: 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. doi: 10.1016/j.gexplo.2011.02.009
WoS: IF₂₀₁₀: 2,125; **Q2** (24/77) in Geochemistry & Geophysics; počet citací: 35

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: IF₂₀₁₀: 4,026; **Q1** (1/48) in Geology; počet citací: 111

Krmíček, L., Cempírek, J., Havlín, A., **Přichystal, A.,** Houzar, S., Krmíčková, M., **Gadas, P.** (2011): Mineralogy and petrogenesis of a Ba–Ti–Zr-rich peralkaline dyke from Šebkovice (Czech Republic): Recognition of the most lamproitic Variscan intrusion. *Lithos*, 121, 74–86. doi: 10.1016/j.lithos.2010.10.005
WoS: IF₂₀₁₀: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 49

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: IF₂₀₁₀: 3,137; **Q1** (9/42) in Spectroscopy; počet citací: 7

Nehyba, S., Nývlt, D., Schadke, U., Kirchner, G., Franců, E. (2011): Depositional rates and dating techniques of modern deposits in the Brno reservoir (Czech Republic) during the last 70 years. *Journal of Paleolimnology*, 45, 1, 41–55. doi: 10.1007/s10933-010-9478-5
WoS: IF₂₀₁₂: 2,676; **Q1** (3/18) in Limnology; **Q1** (44/193) in Environmental Sciences; **Q1** (24/167) in Geosciences, Multidisciplinary; počet citací: 20

Plášil, J., Dušek, M., **Novák, M.,** Čejka, J., Císařová, I., **Škoda, R.** (2011): Sejkoraite-(Y), a new member of the zippeite group containing trivalent cations from Jáchymov (St. Joachimsthal), Czech Republic: description and crystal structure refinement. *American Mineralogist*, 96, 983–991. doi: 10.2138/am.2011.3713
WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 36

Talla, D., Beran, A., **Škoda, R.,** Losos, Z. (2011): On the presence of OH defects in the zircon-type phosphate mineral xenotime, (Y,REE) PO₄. *American Mineralogist*, 96, 1799–1808. doi: 10.2138/am.2011.3757
WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 13

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

Beran, A., **Talla, D.,** Losos, Z., Pinkas, J. (2010): Traces of structural H₂O molecules in baryte. *Physics and Chemistry of Minerals*, 37, 3, 159–166. doi: 10.1007/s00269-009-0320-4
WoS: IF₂₀₀₉: 1,597; **Q2** (74/214) in Materials Science, Multidisciplinary; **Q2** (7/27) in Mineralogy; počet citací: 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: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 14

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

Čobič, A., Bermanec, V., Tomašič, N., **Škoda, R.** (2010): The hydrothermal recrystallization of metamict allanite-(Ce). *Canadian Mineralogist*, 48, 3, 513–521. doi: 10.3749/canmin.48.3.513
WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 11

Doláková, N., **Roszková, A.,** **Přichystal, A.** (2010): Palynology and natural environment in the pannonian to holocene sediments of the early Mmedieval centre Pohansko near Břeclav (Czech Republic). *Journal of Archaeological Science*, 37, 10, 2538–2550. doi: 10.1016/j.jas.2010.05.014

WoS: IF₂₀₀₉: 1,847; **Q2** (46/155) in Geosciences, Multidisciplinary; počet citací: 10

Franců, E., Schwarzbauer, J., Lána, R., Nývlt, D., **Nehyba, S.** (2010): Historical Changes in Levels of Organic Pollutants in Sediment Cores from Brno Reservoir, Czech Republic. *Water Air and Soil Pollution*, 209, 1-4, 81–91. doi: 10.1007/s11270-009-0182-x

WoS: IF₂₀₀₉: 1,676; **Q2** (30/63) in Meteorology & Atmospheric Sciences; **Q1** (16/66) in Water Resources; **Q2** (79/181) in Environmental Sciences; počet citací: 19

Frost, R.L., Bahfenne, S., Čejka, J., Sejkora, J., Palmer, S.L., **Škoda, R.** (2010): Raman microscopy of haidingerite $\text{Ca}(\text{AsO}_3\text{OH}) \cdot \text{H}_2\text{O}$ and brassite $\text{Mg}(\text{AsO}_3\text{OH}) \cdot 4\text{H}_2\text{O}$. *Journal of Raman Spectroscopy*, 41, 6, 690–693. doi: 10.1002/jrs.2498

WoS: IF₂₀₀₉: 3,147; **Q1** (7/39) in Spectroscopy; počet citací: 22

Galiová, M., Kaiser, J., Novotný, K. **Ivanov, M.**, Nývltová Fišáková, M., Mancini, L., Tromba, G., Vaculovič, T., Liška, M., Kanický, V. (2010): Investigation of the osteitis deformans phases in snake vertebrae by double-pulse laser-induced breakdown spectroscopy. *Analytical and Bioanalytical Chemistry*, 398, 2, 1095–1107. doi: 10.1007/s00216-010-3976-1

WoS: IF₂₀₀₉: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 21

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

WoS: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 24

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WoS: IF₂₀₀₉: 4,605; **Q1** (4/155) in Geosciences, Multidisciplinary; počet citací: 73

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

WoS: IF₂₀₀₉: 1,333; **Q2** (75/155) in Geosciences, Multidisciplinary; počet citací: 8

Kolaříková, I., Švandová, J., Příkryl, R., Vinšová, H., Jedináková-Křížová, V., **Zeman, J.** (2010): Mineralogical changes in bentonite barrier within Mock-Up-CZ experiment. *Applied Clay Science*, 47, 1-2, 10–15. doi: 10.1016/j.clay.2009.11.011

WoS: IF₂₀₀₉: 2,784; **Q1** (4/27) in Mineralogy; počet citací: 20

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

WoS: IF₂₀₀₉: 1,957; **Q1** (8/49) in Geology; počet citací: 56

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

WoS: IF₂₀₀₉: 3,738; **Q1** (4/75) in Geochemistry & Geophysics; počet citací: 52

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

WoS: IF₂₀₀₉: 3,537; **Q1** (2/27) in Mineralogy; **Q1** (6/75) in Geochemistry & Geophysics; počet citací: 53

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

WoS: IF₂₀₀₉: 2,445; **Q1** (28/155) in Geosciences, Multidisciplinary; počet citací: 12

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

WoS: IF₂₀₀₉: 2,646; **Q1** (6/41) in Paleontology; **Q1** (8/36) in Geography, Physical; **Q1** (23/155) in Geosciences, Multidisciplinary; počet citací: 53

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

WoS: IF₂₀₀₉: 2,059; **Q2** (39/155) in Geosciences, Multidisciplinary; počet citací: 52

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

WoS: IF₂₀₀₉: 2,905; **Q1** (32/181) in Environmental Sciences; počet citací: 17

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

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 26

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

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

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

WoS: IF₂₀₀₉: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 33

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: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 15

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: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 9

Tomašić, N., Gajović, A., Bermanec, V., Linarić, M.R., Su, D.S., **Škoda, R.** (2010): Preservation of samarskite structure in a metamict 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: IF₂₀₀₉: 1,450; **Q2** (9/27) in Mineralogy; počet citací: 7

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

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

WoS: IF₂₀₀₈: 1,238; **Q2** (21/60) in Water Resources; **Q2** (16/38) in Engineering, Environmental; **Q3** (95/2163) in Environmental Sciences; **Q3** (74/105) in Public, Environmental & Occupational Health; počet citací: 45

Boháč M., Gregerová M. (2009): The influence of blast-furnace slag hydration products on microcracking of concrete. *Materials Characterization*, 60, 7, 729–734. doi: 10.1016/j.matchar.2008.11.011
WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 14

Bradák, B., Szakmány, G., Jósza, S., **Přichystal, A.** (2009): Application of magnetic susceptibility measurement on polished stone tools from Western Hungary and Eastern Part of the Czech Republic (Central Europe). *Journal of Archaeological Science*, 36, 10, 2437–2444. doi: 10.1016/j.jas.2009.07.001
WoS: IF₂₀₀₈: 1,779; **Q2** (46/144) in Geosciences, Multidisciplinary; počet citací: 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: IF₂₀₀₈: 1,441; **Q2** (13/31) in Soil Science; **Q1** (14/60) in Water Resources; **Q3** (82/163) in Environmental Sciences; počet citací: 13

Dolníček, Z., **Fojt, B.**, Prochaska, W., **Kučera, J.**, Sulovský, P. (2009): Origin of the Zálesí U-Ni-Co-As-Ag/Bi deposit, Bohemian Massif, Czech Republic: fluid inclusion and stable isotope constraints. *Mineralium Deposita*, 44, 81–97. doi: 10.1007/s00126-008-0202-6
WoS: IF₂₀₀₈: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 27

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

Haloda, J., Týcová, P., Korotev, R.L., Fernandes, V.A., Burgess, R., Thoni, M., Jelenc, M., Jakeš, P., **Gabzdyl, P.**, Kosler, J. (2009): Petrology, geochemistry, and age of low-Ti mare-basalt meteorite Northeast Africa 003-A: A possible member of the Apollo 15 mare basaltic suite. *Geochimica et Cosmochimica Acta*, 73, 3450–3470. doi: 10.1016/j.gca.2009.03.003
WoS: IF₂₀₀₈: 4,235; **Q1** (3/64) in Geochemistry & Geophysics; počet citací: 25

Kalvoda, J., Novák, M., Bábek, O., Brzobohatý, R., Holá, M., Holoubek, I., Kanický, V., Škoda, R. (2009): Compositional changes in fish scale hydroxylapatite during early diagenesis; an example from an abandoned meander. *Biogeochemistry*, 94, 3, 197–215. doi: 10.1007/s10533-009-9319-7
WoS: IF₂₀₀₈: 2,961; **Q1** (26/163) in Environmental Sciences; **Q1** (16/144) in Geosciences, Multidisciplinary; počet citací: 12

Kříbek, B., Žák, K., Dobeš, P., **Leichmann, J.**, Pudilová, M., René, M., Scharm, B., Scharmová, M., Hájek, A., Holeczy, D., Hein, U.F., Lehmann, B. (2009): The Rožná uranium deposit (Bohemian Massif, Czech Republic): shear zone-hosted, late Variscan and post-Variscan hydrothermal mineralization. *Mineralium Deposita*, 44, 99–128. doi: 10.1007/s00126-008-0188-0
WoS: IF₂₀₀₈: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 34

Kuneš, P., Abrahám, V., Kovařík, O., Kopecký, M., Břízová, E., Dudová, L., Jankovská, V., Knipping, M., Kozáková, R., Nováková, K., Petr, L., Pokorný, P., **Roszková, A.**, Rybníčková, E., Svobodová-Svitavská, H., Wacnik, A. (2009): Czech Quaternary Palynological Database - PALYCZ: review and basic statistics of the data. *Preslia*, 81, 209–238. doi: neuvedeno
WoS: IF₂₀₀₈: 2,396; **Q1** (29/156) in Plant Sciences; počet citací: 55

Staněk, T., **Sulovský, P.** (2009): The influence of phosphorous pentoxide on the phase composition and formation of Portland clinker. *Materials Characterization*, 60, 7, 749–755. doi: 10.1016/j.matchar.2008.11.013
WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 29

Svoboda, J., Králík, M., Čulíková, V., **Hladilová, Š.**, Novák, M., Nývltová Fišáková, M., Nývlt, D., Zelinková, M. (2009): Pavlov VI: an Upper Palaeolithic living unit. *Antiquity*, 83, 320, 282–295. doi: 10.1017/S0003598X00098434
WoS: IF₂₀₀₈: 0,844; **Q2** (24/61) in Anthropology; počet citací: 20

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

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

WoS: IF₂₀₀₇: 4,373; **Q1** (1/30) in Soil Science; počet citací: 59

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

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

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

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

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

WoS: IF₂₀₀₇: 2,203; **Q1** (4/25) in Mineralogy; **Q1** (13/63) in Geochemistry & Geophysics; počet citací: 5

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

WoS: IF₂₀₀₇: 2,162; **Q1** (4/40) in Paleontology; **Q2** (8/31) in Geography, Physical; **Q1** (28/137) in Geosciences, Multidisciplinary; počet citací: 147

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

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

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

WoS: IF₂₀₀₇: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 14

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

WoS: IF₂₀₀₇: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 112

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

WoS: IF₂₀₀₇: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 23

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

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

von Brömssen, M., Häller Larsson, S., Bhattacharya, P., Aziz Hasan, M., Matin Ahmed K., Jakariya, M., Mohiuddin A. S., **Sracek, O.**, Bivén, A., Doušová, B., Patriarca, C., Thunvik, R., Jacks, G. (2008): Geochemical characterisation of shallow aquifer sediments of MatlabUpazila, Southeastern Bangladesh Implications for

targeting low-As aquifers. *Journal of Contaminant Hydrology*, 99, 1-4, 137–149. doi: 10.1016/j.jconhyd.2008.05.005

WoS: IF₂₀₀₇: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 56

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

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

WoS: IF₂₀₀₆: 2,203; **Q1** (3/26) in Mineralogy; **Q2** (16/59) in Geochemistry & Geophysics; počet citací: 46

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

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

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

WoS: IF₂₀₀₆: 4,040; **Q1** (1/35) in Engineering, Environmental; **Q1** (4/144) in Environmental Sciences; počet citací: 91

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

WoS: IF₂₀₀₆: 1,288; **Q1** (14/57) in Water Resources; **Q2** (54/131) in Geosciences, Multidisciplinary; počet citací: 105

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: IF₂₀₀₆: 2,350; **Q1** (2/37) in Geology; počet citací: 39

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

WoS: IF₂₀₀₆: 1,418; **Q1** (9/55) in Paleontology; počet citací: 7

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

WoS: IF₂₀₀₆: 2,203; **Q1** (3/26) in Mineralogy; **Q2** (16/59) in Geochemistry & Geophysics; počet citací: 41

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

WoS: IF₂₀₀₆: 1,717; **Q1** (4/57) in Water Resources; **Q2** (43/144) in Environmental Sciences; **Q2** (37/131) in Geosciences, Multidisciplinary; počet citací: 28

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

WoS: IF₂₀₀₆: 2,359; **Q1** (28/144) in Environmental Sciences; počet citací: 140

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

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

WoS: IF₂₀₀₅: 1,646; **Q1** (3/19) in Materials Science, Coatings & Films; **Q2** (25/83) in Physics, Applied; počet citací: 17

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

WoS: IF₂₀₀₅: 1,745; **Q1** (4/57) in Water Resources; **Q1** (1/80) in Engineering, Civil; **Q1** (27/129) in Geosciences, Multidisciplinary; počet citací: 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: IF₂₀₀₅: 2,224; **Q1** (22/140) in Environmental Sciences; počet citací: 202

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

WoS: IF₂₀₀₅: 2,243; **Q1** (3/25) in Mineralogy; **Q1** (13/55) in Geochemistry & Geophysics; počet citací: 82

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

WoS: IF₂₀₀₅: 1,259; **Q2** (10/25) in Mineralogy; počet citací: 33

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

WoS: IF₂₀₀₅: 2,451; **Q1** (17/140) in Environmental Sciences; počet citací: 110

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

WoS: IF₂₀₀₅: 2,224; **Q1** (22/140) in Environmental Sciences; počet citací: 58

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

WoS: IF₂₀₀₅: 1,259; **Q2** (10/25) in Mineralogy; počet citací: 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: IF₂₀₀₅: 1,336; **Q2** (54/178) in Materials Science; **Q2** (8/25) in Mineralogy, Multidisciplinary; počet citací: 15

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

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

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

WoS: IF₂₀₀₅: 1,732; **Q2** (19/55) in Geochemistry & Geophysics; počet citací: 20

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: IF₂₀₀₅: 1,899; **Q1** (4/35) in Paleontology; **Q2** (8/30) in Geography, Physical; **Q1** (24/129) in Geosciences, Multidisciplinary; počet citací: 245

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

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 170

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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

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

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

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

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

WoS: IF₂₀₀₃: 1,804; **Q2** (15/52) in Geochemistry & Geophysics; počet citací: 462

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WoS: IF₂₀₀₃: 2,330; **Q1** (10/52) in Geochemistry & Geophysics; počet citací: 66

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: IF₂₀₀₃: 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: IF₂₀₀₃: 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
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Novák, M., Černý, P., Cempírek, J., Šrein, V., Filip, J. (2004): Ferrotapiolite as pseudomorph of stibiotantalite from the Laštovičky lepidolite pegmatite, Czech Republic; an example of hydrothermal alteration at constant Ta/(Ta+Nb). *Canadian Mineralogist*, 42, 4, 1117–1128. doi: 10.2113/gscanmin.42.4.1117
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WoS: IF₂₀₀₃: 1,185; **Q2** (8/24) in Mineralogy; počet citací: 66

Sejkora, J., Čejka, J., Hloušek, J., Novák, M., Šrein, V. (2004): Phosphowalpurkite, the (PO₄)-dominant analogue of walpurkite, from Smrkovec, Slavkovský Les Mountains, Czech Republic. *Canadian Mineralogist*, 42, 4, 963–972. doi: 10.2113/gscanmin.42.4.963
WoS: IF₂₀₀₃: 1,046; **Q2** (12/24) in Mineralogy; počet citací: 11

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WoS: IF₂₀₀₃: 1,804; **Q2** (15/52) in Geochemistry & Geophysics; počet citací: 159

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: IF₂₀₀₃: 1,438; **Q1** (5/55) in Water Resources; **Q2** (40/131) in Environmental Sciences; **Q1** (32/128) in Geosciences, Multidisciplinary; počet citací: 111

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: IF₂₀₀₂: 1,811; **Q1** (3/24) in Mineralogy; **Q1** (10/51) in Geochemistry & Geophysics; počet citací: 29

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
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WoS: IF₂₀₀₂: 0,874; **Q2** (56/122) in Geosciences, Multidisciplinary; počet citací: 30

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: IF₂₀₀₂: 1,335; Q2 (7/24) in Mineralogy; počet citací: 48