

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

2021 (celkem 22 článků, 7 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

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: 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: 0

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.**, **Všianský, 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 contribution to the improvement of zirconolite endmember systematics. *American Mineralogist*. In press. doi: 10.2138/am-2021-7510

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

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

Jašek, O., Toman, J., **Všianský, D.**, Jurmanová, J., Šnirer, M., Hemzal, D., Bannov, A.G., Hajzler, J., Stáhel, 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: 1

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: 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: 1

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: 0

Krmíček, L., Ulrych, J., Jelínek, E., Skála, R., **Krmíčková, S.**, Korbelová, Z., Balogh, K. (2021): Petrogenesis of Cenozoic high-Mg (picritic) volcanic rocks in the České středohoří Mts. (Bohemian Massif, Czech Republic). *Mineralogy and Petrology*. In press. doi: 10.1007/s00710-020-00729-5
WoS: IF₂₀₂₀: 1,708; **Q2** (15/30) in Mineralogy; **Q3** (54/88) in Geochemistry & Geophysics; počet citací: 0

Malíčková, I., Bačík, P., Fridrichová, J., Hanus, R., Illášová, L., Štubňa, J., Furka, D., Furka, S., **Škoda, R.** (2021): Optical and Luminescence Spectroscopy of Varicolored Gem Spinel from Mogok, Myanmar and Lục Yên, Vietnam. *Minerals*, 11, 2, 169.
WoS: IF₂₀₂₀: 2,644; **Q2** (11/30) in Mineralogy; **Q2** (42/88) in Geochemistry & Geophysics; **Q2** (9/21) in Mining & Mineral Processing; počet citací: 0

Majzlan, J., Plášil, J., Dachs, E., Benisek, A., Mangold, S., **Škoda, R.**, Abrosimova, N. (2021): Prediction and observation of formation of Ca–Mg arsenates in acidic and alkaline fluids: Thermodynamic properties and mineral assemblages at Jáchymov, Czech Republic and Rotgülden, Austria. *Chemical Geology*, 559, 119922. doi: 10.1016/j.chemgeo.2020.119922
WoS: IF₂₀₂₀: 4,015; **Q1** (18/88) in Geochemistry & Geophysics; počet citací: 1

Nawrocki, J., **Leichmann, J.**, Pańczyk, M. (2021): Mid-Ediacaran bimodal magmatism and peri-Baltic affinity of the Brunovistulia terrane documented by the U–Pb isotope and palaeomagnetic data from the Brno Massif (Central Europe). *Precambrian Research*, 358, 106147. doi: 10.1016/j.precamres.2021.106147
WoS: IF₂₀₂₀: 4,725; **Q1** (30/199) in Geosciences, Multidisciplinary; počet citací: 0

Pavelková, A., Cencarová, V., **Zeman, J.**, Antos, V., Nosek, J. (2021): Reduction of chlorinated hydrocarbons using nano zero-valent iron supported with an electric field. Characterization of electrochemical processes and thermodynamic stability. *Chemosphere*, 265, 128764. doi: 10.1016/j.chemosphere.2020.128764
WoS: IF₂₀₂₀: 7,086; **Q1** (30/274) in Environmental Sciences; počet citací: 0

Přikryl, T., **Brzobohatý, R.**, Carnevale, G. (2021): Skeletal remains with otoliths *in situ* of the Miocene croaker *Trewasciaena* cf. *kokeni* (Teleostei, Sciaenidae) from the Pannonian of the Vienna Basin. *Bulletin of Geosciences*, 96, 1, 19–28. doi: 10.3140/bull.geosci.1813
WoS: IF₂₀₂₀: 1,600; **Q2** (27/57) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 0

Steciuk, G., **Škoda, R., Dillingerová, V.**, Plášil, J. (2021): Chemical variability in vyacheslavite, U(PO₄)(OH): crystal-chemical implications for hydrous and hydroxylated U⁴⁺, Ca and REE phosphates. *American Mineralogist*. In press. doi: 10.2138/am-2021-7875
WoS: IF₂₀₂₀: 3,003; **Q2** (10/30) in Mineralogy; **Q2** (36/88) in Geochemistry & Geophysics; počet citací: 0

Stepanov, S.Y., Palamarchuk, R.S., Varlamov, D.A., Kiseleva, D.V., Sharpyonok, L.N., **Škoda, R.**, Kasatkin, A.V. (2021): The Features of Native Gold in Ore-Bearing Breccias with Realgar-Orpiment Cement of the Vorontsovskoe Deposit (Northern Urals, Russia). *Minerals*, 11, 5, 541. doi: 10.3390/min11050541
WoS: IF₂₀₂₀: 2,644; **Q2** (11/30) in Mineralogy; **Q2** (42/88) in Geochemistry & Geophysics; počet citací: 0

Zemánek, D., Lang, K., Tvrđík, L., **Všianský, D.**, Nevřivová, L., **Štursa, P.**, Kovář, P., Keršnerová, Dvořák K. (2021): Development and Properties of New Mullite Based Refractory Grog. *Materials*, 14, 4, 779. doi: 10.3390/ma14040779
WoS: IF₂₀₂₀: 3,623; **Q2** (27/69) in Physics, Condensed Matter; **Q1** (17/80) in Metallurgy & Metallurgical Engineering; **Q2** (152/335) in Materials Science, Multidisciplinary; **Q2** (51/160) in Physics, Applied; **Q2** (79/162) in Chemistry, Physical; počet citací: 0

Zeug, M., Nasdala, L., Ende, M., Habler, G., Hauzenberger, C., Chanmuang, C.N., **Škoda, R.**, Topa, D., Wildner, M., Wirth, R. (2021): The parasite–(Ce) enigma: challenges in the identification of fluorcarbonate minerals. *Mineralogy and Petrology*, 115, 1, 1–19. doi: 10.1007/s00710-020-00723-x
WoS: IF₂₀₂₀: 1,708; **Q2** (15/30) in Mineralogy; **Q3** (54/88) in Geochemistry & Geophysics; počet citací: 0

2020 (celkem 36 článků, 9 studentů spoluautorů – červeně)

Ackerman, L., Kotková, J., **Čopjaková, R.**, Sláma, J., Trubač, J., Dillingerová, V. (2020): Petrogenesis and Lu–Hf dating of (ultra)mafic rocks from the Kutná Hora Crystalline Complex: implications for the Devonian evolution of the Bohemian Massif. *Journal of Petrology*. In press. doi: 10.1093/petrology/egaa075
WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 0

Bačík, P., Fridrichová, J., Štubňa, J., Bancík, t., Illášová, L', Pálková, H., **Škoda, R.**, Mikuš, T., Milovská, S., Vaculovič, T., Sečkář, P. (2020): The REE-Induced Absorption and Luminescence in Yellow Gem-Quality Durango-Type Hydroxylapatite from Muránská Dlhá Lúka, Slovakia. *Minerals*, 10, 11, 1001. doi: 10.3390/min10111001
WoS: IF₂₀₁₉: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; počet citací: 0

Barros, R., Kaeter, D., Menuge, J.F., **Škoda, R.** (2020): Controls on chemical evolution and rare element enrichment in crystallising albite-spodumene pegmatite and wallrocks: Constraints from mineral chemistry. *Lithos*, 352, 105289. doi: 10.1016/j.lithos.2019.105289
WoS: IF₂₀₁₉: 3,390; **Q2** (22/85) in Geochemistry & Geophysics; **Q2** (8/30) in Mineralogy; počet citací: 2

Berčáková, A., Melichar, R., Souček, K. (2020): Mechanical Properties and Failure Patterns of Migmatized Gneiss with Metamorphic Foliation Under UCS Test. *Rock Mechanics and Rock Engineering*, 53, 2007–2013. doi: 10.1007/s00603-019-02012-2
WoS: IF₂₀₁₉: 4,140; **Q1** (5/39) in Engineering, Geological; **Q1** (24/200) in Geosciences, Multidisciplinary; počet citací: 2

Blaško, D., Nehyba, S. (2020): Synchrony evolution of two contradictory prograding Gilbert-type deltas at the margins of the foreland basin (case study from the Neogene Western Carpathian Foredeep). *Marine and Petroleum Geology*, 118, 104407. doi: 10.1016/j.marpetgeo.2020.104407
WoS: IF₂₀₁₉: 3,790; **Q1** (31/200) in Geosciences, Multidisciplinary; počet citací: 0

Boriová, S., Sázelová, S., Novák, M., **Štelcl, J.**, Svoboda, J. (2020): Human and non-human taphonomic effects on faunal remains from the Late Upper Paleolithic: a case study from the Stránská skála IV site, Czech Republic. *International Journal of Osteoarchaeology*, 30,2, 155–169. doi: 10.1002/oa.2843
WoS: IF₂₀₁₉: 1,228; **Q2** (38/90) in Anthropology; počet citací: 2

Březina, J., Ivanov, M., Madzia, D. (2020): Structural pattern in the tusks of the Miocene mammutid *Zygolophodon turicensis* and its utility in the taxonomy of elephantimorph proboscideans. *Historical Biology*. In press. doi: 10.1080/08912963.2020.1853720
WoS: IF₂₀₁₉: 2,023; **Q2** (14/55) in Paleontology; počet citací: 0

Černý, J., Melichar, R., **Všianský, D.**, Drahokoupil, J. (2020): Magnetic Anisotropy of rocks: A New Classification of Inverse Magnetic Fabrics to Help Geological Interpretations. *Journal of Geophysical Research: Solid Earth*, 125, 11, 1–13. doi: 10.1029/2020JB020426
WoS: IF₂₀₁₉: 3,639; **Q1** (16/85) in Geochemistry & Geophysics; počet citací: 0

Dvořák, K., **Všianský, D.**, Gazdič, D., Fridrichová, M., Vaiciukyniene, D. (2020): Thaumassite formation by hydration of sulposilicate clinker. *Materials Today Communications*, 25, 101449. doi: 10.1016/j.mtcomm.2020.101449
WoS: IF₂₀₁₉: 2,678; **Q2** (151/314) in Materials Science, Multidisciplinary; počet citací: 1

Faimon, J., Lang, M., Geršl, M., Sracek, O., Bábek, O. (2020): The „breathing spots“ in karst areas—the sites of advective exchange of gases between soils and adjacent underground cavities. *Theoretical and Applied Climatology*, 142,1-2, 85–101. doi: 10.1007/s00704-020-03280-7
WoS: IF₂₀₁₉: 2,882; **Q2** (40/93) in Meteorology & Atmospheric Sciences; počet citací: 0

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

WoS: IF₂₀₁₉: 3,025; **Q1** (7/47) in Geology; počet citací: 2

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

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 1

Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.**, Agakhanov, A.A., Stepanov, S.Y., Palamarchuk, R.S. (2020): Luboržákit, Mn₂AsSbS₅, a new member of pavonite homologous series from Vorontsovskoe gold deposit, Northern Urals, Russia. *Mineralogical Magazine*, 84, 5, 738–745. doi: 10.1180/mgm.2020.48

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 2

Kasatkin, A.V., Zubkova, N.V., Pekov, I.V., Chukanov, N.V., **Škoda, R.**, Polekhovsky, Y.S., Agakhanov, A.A., Belakovskiy, D.I., Kuznetsov, A.M., Britvin, S.N., Pushcharovsky, D.Y. (2020): The mineralogy of the historical Mochalin Log REE deposit, South Urals, Russia. Part I. New gatelite-group minerals ferriperboeite-(La), (CaLa₃)(Fe³⁺Al₂Fe²⁺)[Si₂O₇][SiO₄]₃O(OH)₂ and perboeite-(La), (CaLa₃)(Al₃Fe²⁺)[Si₂O₇][SiO₄]₃O(OH)₂. *Mineralogical Magazine*, 84, 4, 593–607. doi: 10.1180/mgm.2020.42

WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 0

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

WoS: IF₂₀₁₉: 3,363; **Q2** (23/85) in Geochemistry & Geophysics; Mineralogy; počet citací: 4

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

WoS: IF₂₀₁₉: 3,390; **Q2** (22/85) in Geochemistry & Geophysics; Mineralogy; **Q2** (8/30) in Mineralogy; počet citací: 1

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

WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 0

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

WoS: IF₂₀₁₉: 4,202; **Q1** (22/200) in Geosciences, Multidisciplinary; počet citací: 5

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

WoS: IF₂₀₁₉: 1,573; **Q3** (36/59) in Biodiversity Conservation; **Q2** (27/55) in Paleontology; počet citací: 4

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

WoS: IF₂₀₁₉: 3,256; **Q1** (18/94) in Water Resources; počet citací: 0

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

WoS: IF₂₀₁₉: 3,527; **Q2** (80/265) in Environmental Sciences; počet citací: 1

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

WoS: IF₂₀₁₉: 2,871; **Q2** (36/85) in Geochemistry & Geophysics; počet citací: 1

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

WoS: IF₂₀₁₉: 4,046; **Q1** (2/47) in Geology; počet citací: 0

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

WoS: IF₂₀₁₉: 3,998; **Q1** (17/71) in Multidisciplinary Sciences; počet citací: 3

Plášil, J., Kampf, A.R., Meisser, N., Lheur, C., Brunsperger, T., **Škoda, R.** (2020): Smamite, $\text{Ca}_2\text{Sb}(\text{OH})_4[\text{H}(\text{AsO}_4)_2] \cdot 6\text{H}_2\text{O}$, a new mineral and a possible sink for Sb during weathering of fahlore. *American Mineralogist*, 105, 4, 555–560. doi: 10.2138/am-2020-7133

WoS: IF₂₀₁₉: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 0

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

WoS: IF₂₀₁₉: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 0

Roth, P., Meisser, N., Nestola, F., **Škoda, R.**, Cámara, F., Bosi, F., Ciriotti, M.E., Halenius, U., Schnyder, C., Bracco, R. (2020): Rüdingerite, $\text{Mn}^{2+}_2\text{V}^{5+}\text{O}_7 \cdot 2\text{H}_2\text{O}$, a New Species Isostructural with Fianelite. *Minerals*, 10, 11, 960. doi: 10.3390/min10110960

WoS: IF₂₀₁₉: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; počet citací: 0

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

WoS: IF₂₀₁₉: 6,551; **Q1** (22/265) in Environmental Sciences; počet citací: 4

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: 0

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

WoS: IF₂₀₁₉: 2,380; **Q2** (11/30) in Mineralogy; **Q2** (6/21) in Mining & Mineral Processing; počet citací: 0

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

WoS: IF₂₀₁₉: 1,573; **Q3** (36/59) in Biodiversity Conservation; **Q2** (27/55) in Paleontology; počet citací: 7

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: 2

Števko, M., Sejkora, J., Plášil, J., Dolníček, Z., **Škoda, R.** (2020): Fluorapophyllite-(NH_4), $\text{NH}_4\text{Ca}_4(\text{Si}_8\text{O}_{20})\text{F} \cdot 8\text{H}_2\text{O}$, a new member of the apophyllite group from the Vechec quarry, eastern Slovakia. *Mineralogical Magazine*, 84, 4, 533–539. doi: 10.1180/mgm.2020.44

WoS: 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: 0

Vašinka, M., Krmíček, L., Všianský, D., Hrbáček, F., Nývt, 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: 2

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 28 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: 2

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: 8

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: 2

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

WoS: 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. (2018): Early Miocene herpetofaunas from the Greek localities of Aliveri and Karydia – bridging a gap in the knowledge of amphibians and reptiles from the early Neogene of southeastern Europe. *Historical Biology*. doi: 10.1080/08912963.2017.1417404

WoS: IF₂₀₁₈: 1,489; Q2 (22/57) in Paleontology; počet citací: 19

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: 12

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: 3

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: 4

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

WoS: IF₂₀₁₈: 3,913; **Q1** (16/84) in Geochemistry & Geophysics; **Q1** (3/29) in Mineralogy; počet citací: 10

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: 4

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

WoS: IF₂₀₁₈: 2,616; **Q1** (4/57) in Paleontology; **Q2** (25/50) in Geography, Physical; **Q2** (70/196) in Geosciences, Multidisciplinary; počet citací: 14

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: 1

Krivovichev, S.V., Panikorovskii, T.L., Zolotarev, A.A., Bocharov, V.N., Kasatkin, A.V., **Škoda, R.** (2019): Jahn-Teller Distortion and Cation Ordering: The Crystal Structure of Paratooite-(La), a Superstructure of Carbocernaite. *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: 0

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

WoS: IF₂₀₁₈: 3,244; **Q1** (9447) in Geology; počet citací: 9

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: 5

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: 0

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: 2

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

WoS: IF₂₀₁₈: 2,210; Q2 (13/29) in Mineralogy; počet citací: 0

Opletal, V., Geršlová, E., Nehyba, S., Sýkorová, I., Rez, J. (2019): Geology and thermal maturity of Namurian deposits in the Němčíčky 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., Všíanský, 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: 1

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: 3

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: 7

Tocháček, J., Láška, K., Bálková, R., Krmíček, L., Merna, J., Tupý, M., Kapler, P., Poláček, P., Čížková, K., Burán, 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: 1

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: 6

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: 1

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

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

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

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: 9

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: 11

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

WoS: 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: 6

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: 4

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: 6

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: 5

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: 14

Kalasová, D., Dvořák, K., **Slobodník, M.**, **Všianský, D.**, Zikmund, T., Dluhoš, J., Váňa, R., Bureš, J., Kaiser, J. (2018): Characterization of inner structure of Limestone by X-ary 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: 9

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

WoS: IF₂₀₁₇: 1,835; **Q2** (7/20) in Mining & Mineral Processing; **Q2** (13/29) in Mineralogy; počet citací: 5

Kasatkin, A.V., Makovicky, E., Plášil, J., **Škoda, R.**, Agakhanov, A.A., Karpenko, V.Y., Nestola, F. (2018): Tsygankoite, $\text{Mn}_8\text{Tl}_8\text{Hg}_2(\text{Sb}_{21}\text{Pb}_2\text{Tl})_{\Sigma 24}\text{S}_{48}$, 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: 3

Krátký, O., Rapprich, V., Racek, M., Míková, J., Magna, T. (2018): On the Chemical Composition and Possible Origin of Na-Cr-Rich Clinopyroxene in Silicocarbonatites from Samalpatti, Tamil Nadu, South India. *Minerals*, 8, 8, 355. doi: 10.3390/min8080355

WoS: IF₂₀₁₇: 1,835; **Q2** (13/29) in Mineralogy; **Q2** (7/20) in Mining & Mineral Processing; počet citací: 4

Nejman, L., **Lisá, L.**, **Doláková, N.**, Horáček, I., Bajer, A., Novák, J., Wright, D., Sullivan, M., Wood, R., Gargett, R.H., Pacher, M., Sázelová, S., Nývltová Fišáková, M., Rohovec, J., Králík, M. (2017): Cave deposits as a sedimentary trap for the Marine Isotope Stage 3 environmental record: The case study of Pod Hradem, Czech Republic. *Palaeogeography Palaeoclimatology Palaeoecology*, 497, 201–217. doi: 10.1016/j.palaeo.2018.02.020

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

Petrík, J., Prokeš, L., **Všianský, D.**, Salaš, M., Nikolajev, P. (2018): Organization of ceramic production at a fortified Early Bronze Age settlement in Moravia (Czech Republic) inferred from minimally destructive archaeometry. *Archaeological and Anthropological Sciences*, 10, 3, 697–709. doi: 10.1007/s12520-016-0370-8

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: 7

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

WoS: IF₂₀₁₇: 6,467; **Q1** (30/172) in Chemistry, Multidisciplinary; **Q1** (1/26) in Crystallography; počet citací: 3

Pokorný, R., Edwards, K.J., **Krmíček, L.**, **Všianský, D.**, Dáňová, P.V. (2018): Late Holocene soil processes and the first evidence for ferruginous rhizoconcretions in cool subpolar environments of the Faroe Islands. *Geografiska Annaler: Series A - Physical Geography*, 100, 3, 272–284. doi: 10.1080/0435367.2018.1463142

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: 2

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WoS: IF₂₀₁₇: 2,163; Q3 (29/49) in Geography, Physical; Q2 (85/190) in Geosciences, Multidisciplinary; počet citací: 8

Šolcová, A., Petr, L., Hájková, P., **Petřík, J.**, Tóth, P., Rohovec, J., Bátora, J., Horsák, M. (2018): Early and middle Holocene ecosystem changes at the Western Carpathian/Pannonian border riven by climate and Neolithic impact. *Boreas*, 47, 3, 897–909. doi: 10.1111/bor.12309

WoS: IF₂₀₁₇: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 10

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WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics; počet citací: 15

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

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WoS: IF₂₀₁₇: 4,427; Q1 (35/242) in Environmental Sciences; počet citací: 9

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WoS: IF₂₀₁₇: 4,130; Q1 (17/190) in Geosciences, Multidisciplinary; Q2 (26/97) in Energy & Fuels; počet citací: 5

Warchilová, T., **Dillingrová, V.**, **Škoda, R.**, Simo, T., Matal, O., Vaculovič, T., Kanický, V. (2018): Corrosion of nickel-based structural materials for nuclear reactors by molten fluoride salt: From bulk content of corrosion products to elemental imaging of corrosion changes. *Spectrochimica Acta, Part B: Atomic Spectroscopy*, 148, 113–117. doi: 10.1016/j.sab.2018.06.010

WoS: IF₂₀₁₇: 2,854; Q1 (7/41) in Spectroscopy; počet citací: 3

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WoS: IF₂₀₁₇: 1,367; Q2 (20/47) in Geology; Q2 (25/55) in Paleontology; počet citací: 2

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

Zimák, J., **Štelcl, J.**, **Všianský, D.** (2018): Reflectance colourimetry as a method for estimating the approximate quantity of non-carbonate components in limestones: A case study in the Mokrá Quarry (Czech Republic). *Catena*, 169, 90–95. doi: 10.1016/j.catena.2018.05.028

WoS: IF₂₀₁₇: 3,256; Q1 (39/190) in Geosciences, Multidisciplinary; Q1 (7/34) in Soil Science; Q1 (10/90) in Water Resources; počet citací: 0

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

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WoS: IF₂₀₁₆: 2,958; **Q2** (14/49) in Geography, Physical; **Q1** (41/188) in Geosciences, Multidisciplinary; počet citací: 6

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

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WoS: IF₂₀₁₆: 3,101; **Q1** (68/275) in Materials Science, Multidisciplinary; **Q1** (5/29) in Mineralogy; **Q2** (52/146) in Chemistry, Physical; počet citací: 3

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WoS: IF₂₀₁₆: 2,888; **Q1** (43/188) in Geosciences, Multidisciplinary; počet citací: 2

Hošek, J., **Lisá, L.**, Ulrich, H., Petr, L., Vejrostová, L., Bajer, A., Matys Grygar, T., Piotr, M., Gottvald, Z., Horsák, M. (2017): Middle Pleniglacial pedogenesis on the northwestern edge of the Carpathian basin: A multidisciplinary investigation of the Biňa pedo-sedimentary section, SW Slovakia. *Palaeogeography Palaeoclimatology Palaeoecology*, 487, 321–339. doi: 10.1016/j.palaeo.2017.09.017

WoS: IF₂₀₁₆: 2,578; **Q2** (18/49) in Geography, Physical; **Q2** (53/188) in Geosciences, Multidisciplinary; **Q1** (5/54) in Paleontology; počet citací: 8

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WoS: IF₂₀₁₆: 2,888; **Q1** (43/188) in Geosciences, Multidisciplinary; počet citací: 1

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WoS: IF₂₀₁₆: 1,287; **Q2** (59/163) in Zoology; počet citací: 1

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WoS: IF₂₀₁₆: 3,241; **Q1** (7/42) in Spectroscopy; počet citací: 11

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

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WoS: IF₂₀₁₆: 1,657; **Q2** (20/54) in Biodiversity Conservation; **Q3** (88/153) in Ecology; počet citací: 6

Lang, M., Faimon, J., Godissart, J., Ek, C. (2017): Carbon dioxide seasonality in dynamically ventilated caves: the role of advective fluxes. *Theoretical and Applied Climatology*, 129, 3–4, 1355–1372. doi: 10.1007/s00704-016-1858-y

WoS: IF₂₀₁₆: 2,640; **Q2** (30/85) in Meteorology & Atmospheric Sciences; počet citací: 11

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WoS: IF₂₀₁₆: 2,283; **Q2** (71/188) in Geosciences, Multidisciplinary; počet citací: 8

Nasdala, L., Corfu, F., Blaimauer, D., Chanmuang, C., Ruschel, K., **Škoda, R.**, Wildner, M., Wirth, R., Zeug, M., Zoysa, E.G. (2017): Neoproterozoic amorphous “ekanite” (Ca₂Th_{0.9}U_{0.1}Si₈O₂₀) from Okkampitiya, Sri Lanka: A metamict gemstone with excellent lead-retention performance. *Geology*, 45, 10, 919–922. doi: 10.1130/G39334.1

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

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WoS: IF₂₀₁₆: 2,958; **Q2** (14/49) in Geography, Physical; **Q1** (41/188) in Geosciences, Multidisciplinary; počet citací: 6

Nejman, L., Wood, R., Wright, D., **Lisá, L.**, Nerudová, Z., Neruda, P., **Přichystal, A.**, Svoboda, J. (2017): Hominid visitation of the Moravian Karst during the Middle-Upper Paleolithic transition: New results from Pod Hradem Cave (Czech Republic). *Journal of Human Evolution*, 108, 131–146. doi: 10.1016/j.jhevol.2017.03.015

WoS: IF₂₀₁₆: 3,932; **Q2** (16/48) in Evolutionary Biology; počet citací: 4

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WoS: IF₂₀₁₆: 2,373; **Q1** (10/47) in Geology; počet citací: 5

Novák, M., Cícha, J., **Čopjaková, R.**, **Škoda, R.**, Vašinová Galiová, M. (2017): Milarite-group minerals from the NYF pegmatite Velká skála, Písek district, Czech Republic: sole carriers of Be from the magmatic to hydrothermal stage. *European Journal of Mineralogy*, 29, 4, 755–766. doi: 10.1127/ejm/2017/0029-2652

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

Olds, T., Plášil, J., Kampf, A., **Škoda, R.**, Burns, P., Čejka, J., Bourgoin, V., Boulliard, J.-C. (2017): Gauthierite, KPb[(UO₂)₇O₅(OH)₇] · 8H₂O, a new uranyl-oxide hydroxy-hydrate mineral from Shinkolobwe with a novel uranyl-anion sheet-topology. *European Journal of Mineralogy*, 29, 1, 129–141. doi: 10.1127/ejm/2017/0029-2586

WoS: IF₂₀₁₆: 1,362; **Q2** (14/29) in Mineralogy; počet citací: 6

Plášil, J., Škacha, P., Sejkora, J., Kampf, A., **Škoda, R.**, Čejka, J., Hloušek, J., Kasatkin, A.V., Pavlíček, R., Babka, K. (2017): Plavnoite, a new K-Mn member of the zippeite group from Jáchymov, Czech Republic. *European Journal of Mineralogy*, 29, 1, 117–128. doi: 10.1127/ejm/2017/0029-2583

WoS: IF₂₀₁₆: 1,362; **Q2** (14/29) in Mineralogy; počet citací: 8

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WoS: IF₂₀₁₆: 2,578; **Q2** (18/49) in Geography, Physical; **Q2** (53/188) in Geosciences, Multidisciplinary; **Q1** (5/54) in Paleontology; počet citací: 5

Pořízka, P., Kaski, S., Hrdlička, A., Modlitbová, P., Sládková, L., Heikki, H., Procházka, D., **Gadas, P.**, Čelko, L., Novotný, K., Kaiser, J., Novotný, J. (2017): Detection of fluorine using laser-induced breakdown spectroscopy and Raman spectroscopy. *Journal of Analytical Atomic Spectrometry*, 32, 10, 1966–1974. doi: 10.1039/c7ja00200a

WoS: IF₂₀₁₆: 3,379; **Q1** (6/42) in Spectroscopy; **Q1** (17/76) in Chemistry, Analytical; počet citací: 18

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WoS: IF₂₀₁₆: 1,982; **Q2** (41/84) in Geochemistry & Geophysics; počet citací: 6

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WoS: IF₂₀₁₆: 4,900; **Q1** (22/229) in Environmental Sciences; počet citací: 12

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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: 1,431; **Q2** (21/54) in Paleontology; počet citací: 1

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WoS: IF₂₀₁₆: 3,347; **Q1** (17/84) in Geochemistry & Geophysics; počet citací: 1

Weinerová, H., Hron, K., **Bábek, O.**, Šimíček, D., Hladil, J. (2017): Quantitative allochem compositional analysis of Lochkovian-Pragian boundary sections in the Prague Basin (Czech Republic). *Sedimentary Geology*, 354, 43–59. doi: 10.1016/j.sedgeo.2017.04.002

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

Zietlow, P., Beirau, T., Mihailova, B., Groat, L., Chudy, T., Shelyug, A., Navrotsky, A., Ewing, R., Schluter, J., **Škoda, R.**, Bismayer, U. (2017): Thermal annealing of natural, radiation-damaged pyrochlore. *Zeitschrift für Kristallographie – Crystalline Materials*, 232, 1-3, 25–38. doi: 10.1515/zkri-2016-1965

WoS: IF₂₀₁₆: 3,179; **Q2** (7/26) in Crystallography; počet citací: 10

2016 (celkem 24 článků, 14 studentů spoluautorů – červeně)

Bábek, O., **Kumpan, T.**, **Kalvoda, J.**, Matys Grygar, T. (2016): Devonian/Carboniferous boundary glacioeustatic fluctuations in a platform-to-basin direction: A geochemical approach of sequence stratigraphy in pelagic settings. *Sedimentary Geology*, 337, 81–99. doi: 10.1016/j.sedgeo.2016.03.009

WoS: IF₂₀₁₅: 2,236; **Q1** (8/47) in Geology; počet citací: 32

Cempírek, J., Grew, E.S., Kampf, A.R., Ma, C., **Novák, M.**, **Gadas, P.**, **Škoda, R.**, Vašinová Galiová, M., Pezzotta, F., Groat, L.A., Krivovichev, S.V. (2016): Vranaite, ideally Al₁₆S₄Si₄O₃₈, a new mineral related to boralsilite, Al₁₆B₆Si₂O₃₇, from the Manjaka pegmatite, Sahatany Valley, Madagascar. *American Mineralogist*, 101, 9-10, 2108–2117. doi: 10.2138/am-2016-5686

WoS: IF₂₀₁₅: 1,918; **Q2** (9/29) in Mineralogy; **Q2** (37/81) in Geochemistry & Geophysics; počet citací: 12

Černý, J., Ramírez-Herrera, M.T., Bógalo, M.-F., Goguitchaichvili, A., Castillo-Aja, R., Morales, J., Sanchez-Cabeza, J.A., Ruiz-Fernández, A.C. (2016): Magnetic record of extreme marine inundation events at Las Salinas site, Jalisco, Mexican Pacific coast. *International Geology Review*, 58, 3, 342–357. doi: 10.1080/00206814.2015.1075230

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

Domínguez-Bella, S., Cassen, S., Pétrequin, P., **Přichystal, A.**, Martinez, J., Ramos, J., Medina, N. (2016): Aroche (Huelva, Andalucía): a new Neolithic axehead of Alpine jade in the southwest of the Iberian Peninsula. *Archaeological and Anthropological Sciences*, 8, 1, 205–222. doi: 10.1007/s12520-015-0232-9

WoS: IF₂₀₁₅: 1,636; **Q1** (21/84) in Anthropology; počet citací: 6

Fačevicová, K., **Bábek, O.**, Hron, K., **Kumpan, T.** (2016): Element chemostratigraphy of the Devonian/Carboniferous boundary – A compositional approach. *Applied Geochemistry*, 75, 211–221. doi: 10.1016/j.apgeochem.2016.10.002

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

Faryad, S.W., Collett, S., Finger, F., Sergeev, S.A., **Čopjaková, R.**, Siman, P. (2016): The Kabul Block (Afghanistan), a segment of the Columbia Supercontinent, with a Neoproterozoic metamorphic overprint. *Gondwana Research*, 34, 221–240. doi: 10.1016/j.gr.2015.02.019

WoS: IF₂₀₁₅: 8,743; **Q1** (2/184) in Geosciences, Multidisciplinary; počet citací: 17

Geršlová, E., Goldbach, M., Geršl, M., Skupien, P. (2016): Heat flow evolution, subsidence and erosion in Upper Silesian Coal Basin, Czech Republic. *International Journal of Coal Geology*, 154–155, 30–42. doi: 10.1016/j.coal.2015.12.007

WoS: IF₂₀₁₅: 3,294; **Q1** (28/184) in Geosciences, Multidisciplinary; **Q2** (26/88) in Energy & Fuels; počet citací: 10

Haifler, J., Kotková, J. (2016): UHP-UHT peak conditions and near-adiabatic exhumation path of diamond-bearing garnet-clinopyroxene rocks from the Eger Crystalline Complex, North Bohemian Massif. *Lithos*, 248–251, 366–381. doi: 10.1016/j.lithos.2016.02.001

WoS: IF₂₀₁₅: 3,723; **Q1** (4/29) in Mineralogy; **Q1** (11/81) in Geochemistry & Geophysics; počet citací: 22

Havelcová, M., Machovič, V., Linhartová, M., Lapčák, L., **Přichystal, A.,** Dvořák, Z. (2016): Vibrational spectroscopy with chromatographic methods in molecular analyses of Moravian amber samples (Czech Republic). *Microchemical Journal*, 128, 153–160. doi: 10.1016/j.microc.2016.04.010

WoS: IF₂₀₁₅: 2,893; **Q1** (17/75) in Chemistry, Analytical; počet citací: 9

Hrabovský, J., Basso, D., **Doláková, N.** (2016): Diagnostic characters in fossil coralline algae (Corallinophycidae: Rhodophyta) from the Miocene of southern Moravia (Carpathian Foredeep, Czech Republic). *Journal of Systematic Palaeontology*, 14, 6, 499–525. doi: 10.1080/14772019.2015.1071501

WoS: IF₂₀₁₅: 3,143; **Q1** (2/54) in Paleontology; **Q2** (19/46) in Evolutionary Biology; počet citací: 17

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: 31

Kociánová, L., Melichar, R. (2016): OATools: An ArcMap add-in for the orientation analysis of geological structures. *Computers & Geosciences*, 87, 67–75. doi: 10.1016/j.cageo.2015.12.005

WoS: IF₂₀₁₅: 2,474; **Q2** (47/184) in Geosciences, Multidisciplinary; **Q1** (19/104) in Computer Science, Interdisciplinary Applications; počet citací: 6

Kotková, J., Whitehouse, M.J., Schaltegger, U., D'Abzac, F.-X. (2016): The fate of zircon during UHT-UHP metamorphism: isotopic (U/Pb, O-18, Hf) and trace element constraints. *Journal of Metamorphic Geology*, 34, 7, 719–739. doi: 10.1111/jmg.12206

WoS: IF₂₀₁₅: 3,673; **Q1** (3/47) in Geology; počet citací: 24

Kuboušková, S., Krmíček, L., Coufalík, P., Pokorný, R. (2016): Petrological and geochemical characteristics of Palaeogene low-rank coal on the Faroe Islands: restricted effects of alteration by basaltic lava flows. *International Journal of Coal Geology*, 165, 157–172. doi: 10.1016/j.coal.2016.08.009

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

Magna, T., **Novák, M., Cempírek, J.,** Janoušek, V., Ullmann, C.V., Wiechert, U. (2016): Crystallographic control on lithium isotope fractionation in Archean to Cenozoic lithium-cesium-tantalum pegmatites. *Geology*, 44, 8, 655–658. doi: 10.1130/G37712.1

WoS: IF₂₀₁₅: 4,548; **Q1** (1/47) in Geology; počet citací: 11

Nerudová, Z., **Doláková, N.,** Novák, J. (2016): New information augmenting the picture of local environment at the LGM/LGT in the context of the Middle Danube region. *Holocene*, 26, 9, 1345–1354. doi: 10.1177/0959683616640051

WoS: IF₂₀₁₅: 2,135; **Q2** (22/49) in Geography, Physical; **Q2** (64/184) in Geosciences, Multidisciplinary; počet citací: 7

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

WoS: IF₂₀₁₅: 2,933; **Q1** (1/27) in Materials Science, Ceramics; počet citací: 10

Pracný, P., Faimon, J., Sracek, O., Kabelka, L., Hebelka, J. (2016): Anomalous drip in the Punka caves (Moravian Karst): relevant implications for paleoclimatic proxies. *Hydrological Processes*, 30, 10, 1506–1520. doi: 10.1002/hyp.10731

WoS: IF₂₀₁₅: 2,768; **Q1** (8/85) in Water Resources; počet citací: 6

Přikryl, T., **Brzobohatý, R.,** Gregorová, R. (2016): Diversity and distribution of fossil codlets (Teleostei, Gadiformes, Bregmacerotidae): review and commentary. *Palaeobiodiversity and Palaeoenvironments*, 96, 1, 13–39. doi: 10.1007/s12549-015-0222-z

WoS: IF₂₀₁₅: 1,322; **Q3** (28/54) in Paleontology; **Q2** (23/49) in Biodiversity Conservation; počet citací: 8

Radaideh, O.M.A., Grassemann, B., **Melichar, R.,** Mosar, J. (2016): Detection and analysis of morphotectonic features utilizing satellite remote sensing and GIS: an example in SW Jordan. *Geomorphology*, 275, 58–79. doi: 10.1016/j.geomorph.2016.09.033

WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 24

Ramírez-Herrera, M.T., Bógalo, M.-F., **Černý, J.,** Goguitchaichvili, A., Corona, N., Machain, M.L., Edwards, A.C., Sosa, S. (2016): Historic and ancient tsunamis uncovered on the Jalisco-Colima Pacific coast, the Mexican subduction zone. *Geomorphology*, 259, 90–104. doi: 10.1016/j.geomorph.2016.02.011

WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 8

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WoS: IF₂₀₁₅: 2,813; **Q1** (12/49) in Geography, Physical; **Q1** (34/184) in Geosciences, Multidisciplinary; počet citací: 20

Škacha, P., Sejkora, J., Palatinus, L., Makovický, E., Plášil, J., **Macek, I.,** Goliáš, V. (2016): Hakite from Příbram, Czech Republic: compositional variability, crystal structure and the role in Se mineralization. *Mineralogical Magazine*, 80, 6, 1115–1128. doi: 10.1180/minmag.2016.080.038

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

Weiner, T., Kalvoda, J. (2016): Biostratigraphic and sedimentary record of the Annulata Events in the Moravian Karst (Famennian, Czech Republic). *Facies*, 62, 6. doi: 10.1007/s10347-015-0456-2

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)

Čopjaková, R., Škoda, R., Vašinová Galiová, M., **Novák, M., Cempírek, J.** (2015): Sc- and REE-rich tourmaline replaced by Sc-rich REE-bearing epidote-group mineral from the mixed (NYF plus LCT) Kracovice pegmatite (Moldanubian Zone, Czech Republic). *American Mineralogist*, 100, 7, 1434–1451. doi: 10.2138/am-2015-4863

WoS: IF₂₀₁₄: 1,964; **Q2** (9/28) in Mineralogy; **Q2** (37/79) in Geochemistry & Geophysics; počet citací: 20

Dill, H., **Škoda, R.** (2015): The new Nb-P aplite at Reinhardtsrieth: A keystone in the lateral and depth zonations of the Hagendorf-Pleystein Pegmatite Field, SE Germany. *Ore Geology Reviews*, 70, 208–227. doi: 10.1016/j.oregeorev.2015.04.015

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

Fridrichová, J., Bačík, P., Rusinová, P., Antal, P., **Škoda, R.,** Bizovska, V., Miglierini, M. (2015): Optical and crystal-chemical changes in aquamarines and yellow beryls from Thanh Hoa province, Vietnam induced by heat treatment. *Physics and Chemistry of Minerals*, 42, 4, 287–302. doi: 10.1007/s00269-014-0719-4

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

Geršlová, E., Opletal, V., Sýkorová, I., Sedláková, I., Geršl, M. (2015): A geochemical and petrographical characterization of organic matter in the Jurassic Mikulov Marls from the Czech Republic. *International Journal of Coal Geology*, 141–142, 42–50. doi: 10.1016/j.coal.2015.03.002

WoS: IF₂₀₁₄: 3,381; Q1 (21/175) in Geosciences, Multidisciplinary; Q2 (23/89) in Energy & Fuels; počet citací: 14

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

Kallistová, A., Skála, R., Horáček, I., Nobuyoshi, M., Malíková, R. (2015): Influence of sample preparation on the microstructure of tooth enamel apatite. *Journal of Applied Crystallography*, 48, 3, 763–768. doi: 10.1107/S1600576715005208

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

Kalvoda, J., Kumpan, T., Bábek, O. (2015): Upper Famennian and Lower Tournaisian sections of the Moravian Karst (Moravo-Silesian Zone, Czech Republic): a proposed key area for correlation of the conodont and foraminiferal zonations. *Geological Journal*, 50, 1, 17–38. doi: 10.1002/gj.2523

WoS: IF₂₀₁₄: 1,627; Q2 (85/175) in Geosciences, Multidisciplinary; počet citací: 34

Kocourková-Víšková, E., Loun, J., Sracek, O., Houzar, S., Filip, J. (2015): Secondary arsenic minerals and arsenic mobility in a historical waste rock pile at Kaňk near Kutná Hora, Czech Republic. *Mineralogy and Petrology*, 109, 1, 17–33. doi: 10.1007/s00710-014-0356-0

WoS: IF₂₀₁₄: 1,349; Q2 (14/28) in Mineralogy; Q3 (47/79) in Geochemistry & Geophysics; počet citací: 8

Kotková, J., Janák, M. (2015): UHP kyanite eclogite associated with garnet peridotite and diamond-bearing granulite, northern Bohemian Massif. *Lithos*, 226, 255–264. doi: 10.1016/j.lithos.2015.01.016

WoS: IF₂₀₁₄: 4,482; Q1 (2/28) in Mineralogy; Q1 (6/79) in Geochemistry & Geophysics; počet citací: 15

Kumpan, T., Bábek, O., Kalvoda, J., Matys Grygar, T., Frýda, J., Becker, T.R., Hartenfels, S. (2015): Petrophysical and geochemical signature of the Hangenberg Events: an integrated stratigraphy of the Devonian–Carboniferous boundary interval in the Northern Rhenish Massif (Avalonia, Germany). *Bulletin of Geosciences*, 90, 3, 667–694. doi: 10.3140/bull.geosci.1547

WoS: IF₂₀₁₄: 1,515; Q3 (95/175) in Geosciences, Multidisciplinary; Q2 (13/50) in Paleontology; počet citací: 23

Lang, M., Faimon, J., Ek, C. (2015): The relationship between carbon dioxide concentration and visitor numbers in the homothermic zone of the Balcarka Cave (Moravian Karst) during a period of limited ventilation. *International Journal of Speleology*, 44, 2, 167–176. doi: 10.5038/1827-806X.44.2.6

WoS: IF₂₀₁₄: 1,656; Q2 (81/175) in Geosciences, Multidisciplinary; počet citací: 13

Medaris, L.G., Ackerman, L., Jelínek, E., Michels, Z.D., Erban, V., Kotková, J. (2015): Depletion, cryptic metasomatism, and modal metasomatism (refertilization) of Variscan lithospheric mantle: Evidence from major elements, trace elements, and Sr–Nd–Os isotopes in a Saxothuringian garnet peridotite. *Lithos*, 226, 81–97. doi: 10.1016/j.lithos.2014.10.007

WoS: IF₂₀₁₄: 4,482; Q1 (2/28) in Mineralogy; Q1 (6/79) in Geochemistry & Geophysics; počet citací: 17

Plášil, J., Hloušek, J., Kasatkin, A.V., Škoda, R., Novák, M., Čejka, J. (2015): Geschieberite, K₂(UO₂)(SO₄)₂(H₂O)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: 7

Plášil, J., Škoda, R. (2015): New crystal-chemical data for marecottite. *Mineralogical Magazine*, 79, 3, 649–660. doi: 10.1180/minmag.2015.079.3.10

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

Radaideh, O.M., Melichar, R. (2015): Tectonic Paleostress fields in the southwestern part of Jordan: New insights from the fault-slip data in the southeastern flank of the Dead Sea Fault Zone. *Tectonics*, 34, 9, 1863–1891. doi: 10.1002/2015TC003919

WoS: IF₂₀₁₄: 3,318; Q1 (14/79) in Geochemistry & Geophysics; počet citací: 5

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: 8

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: 13

Šimíček, D., **Bábek, O.** (2015): Spectral gamma-ray logging of the Grés d'Annot, SE France: An outcrop analogue to geophysical facies mapping and well-log correlation of sand-rich turbidite reservoirs. *Marine and Petroleum Geology*, 60, 1–17. doi: 10.1016/j.marpetgeo.2014.10.010

WoS: IF₂₀₁₄: 2,639; **Q1** (40/175) in Geosciences, Multidisciplinary; počet citací: 19

Škoda, R., Plášil, J., Jonsson, E., **Čopjaková, R.** (2015): Redefinition of thalénite-(Y) and discreditation of fluorthalénite-(Y): A re-investigation of type material from the Österby pegmatite, Dalarna, Sweden, and from addition localities. *Mineralogical Magazine*, 79, 4, 965–983. doi: 10.1180/minmag.2015.079.4.07

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: 4

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: 24

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: 55

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: 16

Čejka, J., Sejkora, J., **Macek, I.**, Frost, R.L., López, A. (2014): A vibrational spectroscopic study of a hydrated hydroxy-phosphate mineral fluellite, $\text{Al}_2(\text{PO}_4)\text{F}_2(\text{OH}) \cdot 7\text{H}_2\text{O}$. *Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*, 126, 157–163. doi: 10.1016/j.saa.2014.01.116

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

Dolníček, Z., Lehotský, T., **Slobodník, M.**, Hejtmánková, E., Grígelová, A., Zapletal, J. (2014): Mineral-forming and diagenetic processes related to Tertiary hydrocarbon seepage at the Bohemian Massif/Outer

Western Carpathians interface: Evidence from the Habrůvka quarry, Moravia, Czech Republic. *Marine and Petroleum Geology*, 52, 77–92. doi: 10.1016/j.marpetgeo.2014.02.003

WoS: IF₂₀₁₃: 2,469; **Q2** (48/174) in Geosciences, Multidisciplinary; počet citací: 1

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: 5

Ghinassi, M., Nemec, W., Aldinucci, M., **Nehyba, S.**, Özaksoy, V., Fidolini, F. (2014): Plan-form evolution of ancient meandering rivers reconstructed from longitudinal outcrop sections. *Sedimentology*, 61, 4, 952–977. doi: 10.1111/sed.12081

WoS: IF₂₀₁₃: 2,741; **Q1** (4/44) in Geology; počet citací: 49

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: 21

Kalvoda, J., Nudds, J., **Bábek, O.**, Howells, C. (2014): Late Chadian-early Arundian high-resolution biostratigraphy in the Ogmore-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: 1

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WoS: IF₂₀₁₃: 2,059; **Q2** (8/27) in Mineralogy; **Q2** (33/80) in Geochemistry & Geophysics; počet citací: 14

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 multi-proxy 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: 34

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WoS: IF₂₀₁₃: 2,177; **Q2** (55/174) in Geosciences, Multidisciplinary; počet citací: 37

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WoS: IF₂₀₁₃: 2,128; **Q3** (24/46) in Geography, Physical; **Q2** (58/174) in Geosciences, Multidisciplinary; počet citací: 4

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WoS: IF₂₀₁₃: 5,481; **Q1** (8/216) in Environmental Sciences; **Q1** (2/46) in Engineering, Environmental; počet citací: 30

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, $(\text{H}_3\text{O})^+\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$, 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: 6

Plášil, J., Kasatkin, A.V., Škoda, R., Škacha, P. (2014): Klajite, $\text{MnCu}_4(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2(\text{H}_2\text{O})_{10}$, 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

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WoS: IF₂₀₁₃: 2,059; Q2 (8/27) in Mineralogy; Q2 (33/80) in Geochemistry & Geophysics; počet citací: 20

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

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WoS: IF₂₀₁₃: 3,150; Q1 (8/44) in Spectroscopy; počet citací: 9

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WoS: IF₂₀₁₃: 2,139; Q2 (56/174) in Geosciences, Multidisciplinary; počet citací: 10

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WoS: IF₂₀₁₃: 1,594; Q1 (16/82) in Anthropology; počet citací: 11

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: 29

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WoS: IF₂₀₁₂: 1,802; Q1 (11/47) in Geology; počet citací: 28

Bačík, P., Cempírek, J., Uher, P., **Novák, M.**, Ozdín, D., Filip, J., **Škoda, R.**, **Breiter, K.**, Klementová, M., Ďudá, R., Groat, L. (2013): Oxy-schorl, $\text{Na}(\text{Fe}^{2+}_2\text{Al})\text{Al}_6\text{Si}_6\text{O}_{18}(\text{BO}_3)_3(\text{OH})_3\text{O}$, 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: 29

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: 21

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, $\text{Pb}[(\text{UO}_2)(\text{SiO}_4)](\text{H}_2\text{O})$, 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: 9

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

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 10

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-supergroup 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: 15

Lenz, Ch., **Talla, D.**, Ruschel, K., **Škoda, R.**, Goetze, J., Nasdala, L. (2013): Factors affecting the Nd^{3+} (REE^{3+}) 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: 28

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, $\text{Na}(\text{LiAl}_2)\text{Al}_6(\text{BO}_3)_3\text{Si}_6\text{O}_{18}(\text{OH})_3\text{O}$, a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886–1892. doi: 10.2138/am.2013.4416

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 15

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, $\text{Ca}[\text{AsO}_2(\text{OH})_2]_2$, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 2013, 77, 6, 2711–2724. doi: 10.1180/minmag.2013.077.6.02

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

Pánek, T., Smolková, V., Hradecký, J., **Sedláček, J.**, Zernitskaya, V., Kadlec, J., Pazdur, A., Řehánek, T. (2013): Late-Holocene evolution of a floodplain impounded by the Smrduta landslide, Carpathian Mountains (Czech Republic). *Holocene*, 23, 2, 218–229. 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, $\text{Na}_4(\text{UO}_2)(\text{CO}_3)_3$. *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, $\text{Ca}(\text{UO}_2)_2(\text{Si}_5\text{O}_{12})(\text{OH})_2 \cdot 6\text{H}_2\text{O}$. *American Mineralogist* 98, 4, 718–723. doi: 10.2138/am.2013.4284

WoS: 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, $\text{Mg}[(\text{UO}_2)_2\text{O}_2(\text{SO}_4)](\text{H}_2\text{O})_{3.5}$, from East Saddle Mine, San Juan County, Utah (USA). *Mineralogy and Petrology*, 107, 2, 211–219. doi: 10.1007/s00710-012-0241-7

WoS: 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, $\text{U}(\text{AsO}_3\text{OH})_2 \cdot 4\text{H}_2\text{O}$, from Jáchymov, Czech Republic: the first natural arsenate of tetravalent uranium. *Mineralogical Magazine*, 77, 1, 137–152. doi: 10.1180/minmag.2013.077.1.12

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 9

Plášil, J., Hloušek, J., **Škoda, R.**, **Novák, M.**, Sejkora, J., Čejka, J., Veselovský, F., Majzlan, J. (2013): Vysokýite, $\text{U}^{4+}[\text{AsO}_2(\text{OH})_2]_4 \cdot 4\text{H}_2\text{O}$, 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: 5

Plášil, J., Kampf, A., Kasatkin, A.V., Marty, J., **Škoda, R.**, Silva, S., Čejka, J. (2013): Meisserite, $\text{Na}_5(\text{UO}_2)(\text{SO}_4)_3(\text{SO}_3\text{OH})(\text{H}_2\text{O})$, 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: 24

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

WoS: IF₂₀₁₂: 2,212; **Q1** (6/26) in Mineralogy; počet citací: 16

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: 23

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

WoS: IF₂₀₁₂: 1,962; **Q2** (21/45) in Geography, Physical; **Q2** (58/172) in Geosciences, Multidisciplinary; počet citací: 14

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: 16

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: 38

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WoS: IF₂₀₁₁: 2,423; **Q1** (5/26) in Mineralogy; **Q2** (21/176) in Geochemistry & Geophysics; počet citací: 106

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WoS: IF₂₀₁₁: 2,906; **Q1** (17/71) in Meteorology & Atmospheric Sciences; počet citací: 47

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WoS: IF₂₀₁₁: 2,000; **Q2** (48/170) in Geosciences, Multidisciplinary; počet citací: 25

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WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 4

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WoS: IF₂₀₁₁: 4,259; **Q1** (3/76) in Geochemistry & Geophysics; počet citací: 50

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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: 43

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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: 30

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, $(\text{K},\text{Na})_3\text{Na}[(\text{UO}_2)(\text{CO}_3)_3](\text{H}_2\text{O})$, 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

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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, $\text{Fe}[(\text{UO}_2)_2(\text{SO}_4)_2(\text{OH})_2](\text{H}_2\text{O})_7$. *Mineralogical Magazine*, 76, 2837–2860. doi: 10.1180/minmag.2012.076.7.14

WoS: IF₂₀₁₁: 1,321; **Q2** (12/26) in Mineralogy; počet citací: 18

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WoS: IF₂₀₁₁: 2,169; **Q1** (6/26) in Mineralogy; **Q2** (26/76) in Geochemistry & Geophysics; počet citací: 27

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

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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: 21

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: 13

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

2011 (celkem 13 článků, 10 studentů spoluautorů – červeně)

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WoS: IF₂₀₁₀: 1,893; **Q2** (12/32) in Soil Science; **Q1** (13/76) in Water Resources; **Q2** (55/167) in Geosciences, Multidisciplinary; počet citací: 36

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WoS: IF₂₀₁₀: 4,567; **Q1** (2/42) in Geography, Physical; **Q1** (6/167) in Geosciences, Multidisciplinary; počet citací: 35

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WoS: IF₂₀₁₀: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 25

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WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 335

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: 20

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WoS: IF₂₀₁₀: 1,202; **Q2** (24/48) in Paleontology; **Q3** (88/167) in Geosciences, Multidisciplinary; počet citací: 9

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WoS: IF₂₀₁₀: 2,125; **Q2** (24/77) in Geochemistry & Geophysics; počet citací: 30

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WoS: IF₂₀₁₀: 4,026; **Q1** (1/48) in Geology; počet citací: 101

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: 39

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 Fe₂(AsO₄)(SO₄)(OH) · 7H₂O, 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: 6

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WoS: IF₂₀₁₂: 2,676; **Q1** (3/18) in Limnology; **Q1** (44/193) in Environmental Sciences; **Q1** (24/167) in Geosciences, Multidisciplinary; počet citací: 17

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

WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 34

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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)

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WoS: IF₂₀₀₉: 1,597; **Q2** (74/214) in Materials Science, Multidisciplinary; **Q2** (7/27) in Mineralogy; počet citací: 6

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WoS: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 13

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

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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 Ca(AsO₃OH) · H₂O and brassite Mg(AsO₃OH) · 4H₂O. *Journal of Raman Spectroscopy*, 41, 6, 690–693. doi: 10.1002/jrs.2498
WoS: IF₂₀₀₉: 3,147; **Q1** (7/39) in Spectroscopy; počet citací: 21

Galiová, M., Kaiser, J., Novotný, K., **Ivanov, M.**, Nývltová Fišáková, M., Mancini, L., Tromba, G., Vaculovič, T., Liška, M., Kanický, V. (2010): Investigation of the osteitis deformans phases in snake vertebrae by double-pulse laser-induced breakdown spectroscopy. *Analytical and Bioanalytical Chemistry*, 398, 2, 1095–1107. doi: 10.1007/s00216-010-3976-1
WoS: 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., Jálková, V., Čupr, P., Giesy, J., **Nehyba, S.**, Jarkovský, J., Klánová, J., Holoubek, I. (2010): Seasonally and regionally determined indication potential of bioassays in contaminated river sediments. *Environmental Toxicology and Chemistry*, 29, 3, 522–534. doi: 10.1002/etc.83
WoS: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 20

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WoS: IF₂₀₀₉: 4,605; **Q1** (4/155) in Geosciences, Multidisciplinary; počet citací: 69

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WoS: IF₂₀₀₉: 1,333; **Q2** (75/155) in Geosciences, Multidisciplinary; počet citací: 7

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WoS: IF₂₀₀₉: 2,784; **Q1** (4/27) in Mineralogy; počet citací: 18

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: 54

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: 47

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WoS: IF₂₀₀₉: 3,537; **Q1** (2/27) in Mineralogy; **Q1** (6/75) in Geochemistry & Geophysics; počet citací: 52

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

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WoS: IF₂₀₀₉: 2,646; **Q1** (6/41) in Paleontology; **Q1** (8/36) in Geography, Physical; **Q1** (23/155) in Geosciences, Multidisciplinary; počet citací: 46

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WoS: IF₂₀₀₉: 2,059; **Q2** (39/155) in Geosciences, Multidisciplinary; počet citací: 46

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WoS: IF₂₀₀₉: 2,905; **Q1** (32/181) in Environmental Sciences; počet citací: 16

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WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 22

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: 9

Plášil, J., Buixaderas, E., Čejka, J., Sejkora, J., Jehlička, J., **Novák, M.** (2010): Raman spectroscopic study of

the uranyl sulphate mineral zippeite: low wavenumber and U–O stretching regions. *Analytical and Bioanalytical Chemistry*, 397, 7, 2703–2715. doi: 10.1007/s00216-010-3577-z

WoS: IF₂₀₀₉: 3,480; **Q2** (17/67) in Biochemical Research Methods; **Q1** (6/70) in Chemistry, Analytical; počet citací: 31

Plášil, J., Sejkora, J., Čejka, J., **Novák, M.**, Viňals, J., Ondruš, P., Veselovský, F., Škácha, P., Jehlička, J., Goliáš, V., Hloušek, J. (2010): Metarauchite, Ni(UO₂)₂(AsO₄)₂ · 8H₂O, from Jáchymov, Czech Republic, and Schneeberg, Germany: a new member of the autunite group. *Canadian Mineralogist*, 48, 335–350. doi: 10.3749/canmin.48.2.2335

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 14

Sejkora, J., **Plášil, J.**, Ondruš, P., Veselovský, F., Císařová, I., Hloušek, J. (2010): Slavkovite, Cu₁₃(AsO₄)₆(AsO₃OH)₄ · 23H₂O, a new mineral species from Horní Slavkov and Jáchymov, Czech Republic: Description and crystal structure determination. *Canadian Mineralogist*, 48, 5, 1157–1170. 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 ABO₄ 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: 6

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

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

WoS: 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: 43

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: 13

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: 10

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: 25

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

WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 9

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

WoS: IF₂₀₀₈: 4,235; **Q1** (3/64) in Geochemistry & Geophysics; počet citací: 24

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: 11

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

WoS: IF₂₀₀₈: 2,037; **Q1** (5/25) in Mineralogy; **Q2** (20/64) in Geochemistry & Geophysics; počet citací: 29

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

WoS: IF₂₀₀₈: 2,396; **Q1** (29/156) in Plant Sciences; počet citací: 44

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: 10.101/j.matchar.2008.11.013

WoS: IF₂₀₀₈: 1,225; **Q1** (4/28) in Materials Science, Characterization & Testing; počet citací: 25

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: 57

Cempírek, J., Houzar, S., **Novák, M.** (2008): Complexly zoned niobian titanite from hedenbergite skarn at Písek, Czech Republic constrained by substitutions $\text{Al}(\text{Nb,Ta})\text{Ti}_{-2}$, $\text{Al}(\text{F,OH})(\text{TiO})_{-1}$ 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: 23

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.,** Devuyst, F.-X. (2008): Late Devonian-earliest Mississippian glaciation in Gondwana and its biogeographic consequences. *Palaeogeography Palaeoclimatology Palaeoecology*, 268, 3–4, 126–142. doi: 10.1016/j.palaeo.2008.03.047

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

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: 131

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

WoS: IF₂₀₀₇: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 13

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

WoS: IF₂₀₀₇: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 101

Novák, M., Johan, Z., **Škoda, R.**, Černý, P., Šrein, V., Veselovský, F. (2008): Primary oxide minerals in the system $\text{WO}_3 - \text{Nb}_2\text{O}_5 - \text{TiO}_2 - \text{Fe}_2\text{O}_3 - \text{FeO}$ 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: 20

Slobodník, M., Jacher-Śliwczyńska, K., **Taylor, M.C.**, Schneider, J., Dolníček, Z. (2008): Plumbotectonic aspects of polymetallic vein mineralization in Paleozoic sediments and Proterozoic basement of Moravia (Czech Republic). *International Journal of Earth Sciences*, 97, 1, 1–18. 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: 51

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: 43

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: 23

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

WoS: IF₂₀₀₆: 4,040; **Q1** (1/35) in Engineering, Environmental; **Q1** (4/144) in Environmental Sciences; počet citací: 87

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: 97

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: 37

Milner, A.R., Klembara, J., **Dostál, O.** (2007): A Zatrachydid Temnospondyl from the Lower Permian of the Boskovice Furrow in Moravia (Czech Republic). *Journal of Vertebrate Paleontology*, 27, 3, 711–715. doi: 10.1671/0272-4634(2007)27[711:A7TFTL]2.0.CO;2
WoS: IF₂₀₀₆: 1,418; **Q1** (9/55) in Paleontology; počet citací: 5

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: 40

Vencelides, Z., **Sracek, O.**, Prommer, H. (2007): Modelling of iron cycling and its impact on the electron balance at a petroleum hydrocarbon contaminated site in Hnevice, Czech Republic. *Journal of Contaminant Hydrology*, 89, 3-4, 270–294. doi: 10.1016/j.jconhyd.2006.09.003
WoS: 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: 131

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: 16

Bertolo R., Hirata R., **Sracek, O.** (2006): Geochemistry and geochemical modeling of unsaturated zone in a tropical region in Urânia, São 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: 179

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: 76

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: 30

Ettler, V., Mihajlevič, M., Šebek, O., Molek, M., Grygar, T., **Zeman, J.** (2006): Geochemical and Pb isotopic evidence for sources and dispersal of metal contamination in stream sediments from the mining and smelting

district Příbram, Czech Republic. *Environmental Pollution*, 142, 3, 27–35. doi: 10.1016/j.envpol.2005.10.024
WoS: IF₂₀₀₅: 2,451; **Q1** (17/140) in Environmental Sciences; počet citací: 95

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: 54

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: 14

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: 18

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: 232

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

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 153

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WoS: IF₂₀₀₅: 1,939; **Q1** (3/17) in Limnology; **Q1** (2/57) in Water Resources; **Q1** (30/140) in Environmental Sciences; počet citací: 347

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

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 10

Taylor, M.C. (2006): The gel model for the formation of gem-bearing pockets within granitic pegmatites, and implications for gem synthesis. *Gems and Gemology*, 42, 3, 110–111. doi: neuvedeno

WoS: IF₂₀₀₅: 1,762; **Q1** (5/25) in Mineralogy; počet citací: 7

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

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

WoS: IF₂₀₀₄: 2,567; **Q1** (2/23) in Mineralogy; **Q1** (9/50) in Geochemistry & Geophysics; počet citací: 71

Čopjaková R., **Sulovský P.**, Peterson, B. (2005): Major and trace elements in pyrope-almandine garnets as sediment provenance indicators of the Lower Carboniferous Culm sediments, Drahaný Uplands, Bohemian Massif. *Lithos*, 82, 1-2, 51–70. doi: 10.1016/j.lithos.2004.12.006

WoS: IF₂₀₀₄: 2,567; **Q1** (2/23) in Mineralogy; **Q1** (9/50) in Geochemistry & Geophysics; počet citací: 46

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: 415

Broska, I., Williams, T., Uher, P., Konečný, P., **Leichmann, J.** (2004): The geochemistry of phosphorus in different granite suites of the Western Carpathians, Slovakia: the role of apatite and P-bearing feldspars. *Chemical Geology*, 205, 1-2, 224–236. doi: 10.1016/j.chemgeo.2003.09.004

WoS: IF₂₀₀₃: 2,330; **Q1** (10/52) in Geochemistry & Geophysics; počet citací: 62

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

WoS: IF₂₀₀₃: 1,086; **Q2** (11/24) in Mineralogy; **Q2** (24/52) in Geochemistry & Geophysics; počet citací: 14

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

WoS: IF₂₀₀₃: 1,046; **Q2** (12/24) in Mineralogy; počet citací: 16

Novák, M., Povondra, P., Selway, J.B. (2004): Schorl oxy-schorl to dravite- oxy-dravite tourmaline from granitic pegmatites; examples from the Moldanubicum, Czech Republic. *European Journal of Mineralogy*, 16, 2, 323–333. doi: 10.1127/0935-1221/2004/0016-0323

WoS: IF₂₀₀₃: 1,185; **Q2** (8/24) in Mineralogy; počet citací: 61

Sejkora, J., Čejka, J., Hloušek, J., **Novák, M.**, Šrein, V. (2004): Phosphowalpurgite, the (PO₄)-dominant analogue of walpurgite, 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

Sracek, O., Bhattacharya, P., Jacks, G., Gustafsson, J.P., von Brömssen, M. (2004): Behavior of arsenic and geochemical modeling of arsenic enrichment in aqueous environment. *Applied Geochemistry*, 19, 2, 169–180. doi: 10.1016/j.apgeochem.2003.09.005

WoS: IF₂₀₀₃: 1,804; **Q2** (15/52) in Geochemistry & Geophysics; počet citací: 139

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: 107

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: 35

Faimon, J., Štelcl, J., Kubešová, S., Zimák, J. (2003): Environmentally acceptable effect of hydrogen peroxide on cave "lamp-flora", calcite speleothems and limestones. *Environmental Pollution*, 122, 3, 417–422. doi: 10.1016/S0269-7491(02)00309-3

WoS: IF₂₀₀₂: 1,942; **Q1** (14/132) in Environmental Sciences; počet citací: 34

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WoS: IF₂₀₀₂: 1,243; **Q2** (20/51) in Geochemistry & Geophysics; počet citací: 5

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

WoS: IF₂₀₀₂: 0,874; **Q2** (56/122) in Geosciences, Multidisciplinary; počet citací: 28

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

WoS: IF₂₀₀₂: 1,335; **Q2** (7/24) in Mineralogy; počet citací: 47