

Přehled publikací pracovníků/studentů ÚGV PŘF MU Brno v časopisech 1./2. kvartilu v období 2003-2023

2023 (celkem 0 článků, 0 studentů spoluautorů – červeně)

2022 (celkem 46 článků, 14 studentů spoluautorů – červeně)

Abdale, L., Belley, P.M., Groat, L.E., **Cempírek, J., Škoda, R.**, Wall, C. (2022): Corundum genesis at the Blue Jay Sapphire occurrence (British Columbia, Canada) as a record of metamorphism and partial melting in the Monashee Complex. *Lithos*. In Press. doi: 10.1016/j.lithos.2022.106992

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

Adameková, K., Petřík, J. (2022): The myth of ‘Bohunician soil’: A re-evaluation of the MIS 3 palaeosol record at the Brno-Bohunice site (Czechia). *Catena*, 217, 106510. doi: 10.1016/j.catena.2022.106510

WoS: IF₂₀₂₁: 6,367; **Q1** (17/201) in Geosciences, Multidisciplinary; **Q1** (8/39) in Soil Science; **Q1** (12/100) in Water Resources; počet citací: 1

Bábek, O., **Kumpan, T.**, Li, W., Holá, M., Šimíček, D., Kapusta, J. (2022): Incipient reddening of Ordovician carbonates: The origin and Geochemistry of yellow and pink colouration in limestones. *Sedimentary Geology*, 440, 106262. doi: 10.1016/j.sedgeo.2022.106262

WoS: IF₂₀₂₁: 3,329; **Q1** (6/49) in Geology; počet citací: 0

Biagioni, C., Kasatkin, A.V., Sejkora, J., Nestola, J., **Škoda, R.** (2022): Tennantite-(Cd), Cu₆(Cu₄Cd₂)As₄S₁₃, from the Berenguela mining district, Bolivia: the first Cd-member of the tetrahedrite group. *Mineralogical Magazine*, 86, 5, 834–840. doi: 10.1180/mgm.2022.61

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

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

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

Bonilla-Salomón, I., Čermák, S., **Luján, Á.H.**, Jovells-Vaqué, S., **Ivanov, M.**, Sabol, M. (2022): Early Miocene remains of *Melissiodon* from Mokrá-Quarry (Moravia, Czech Republic) shed light on the evolutionary history of the rare cricetid genus. *PeerJ*, 10, 13820. doi: 10.7717/peerj.13820

WoS: IF₂₀₂₁: 3,061; **Q2** (33/73) in Multidisciplinary Sciences; počet citací: 1

Bosi, F., Biagioni, C., Pezzotta, F., Skogby, H., Halenius, U., **Cempírek, J.**, Hawthorne, F.C., Lussier, A.J., Abdu, Y.A., Day, M.C., Fayek, M., Clark, C.M., Grice, J.D., Henry, D.J. (2022): Uvite, CaMg₃(Al₅Mg)(Si₆O₁₈)(BO₃)₃(OH)₃(OH), a new, but long-anticipated mineral species of the tourmaline supergroup from San Piero in Campo, Elba Island, Italy. *Mineralogical Magazine*, 86 (5), 767–776. doi: 10.1180/mgm.2022.54

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

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

WoS: IF₂₀₂₁: 3,066; **Q2** (39/87) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 4

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

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

Brzobohatý, R., Zahradníková, B., Hudáčková, N. (2022): Fish otoliths and foraminifera from the Borský Mikuláš section (Slovakia, Middle Miocene, Upper Badenian, Vienna Basin) and their paleoenvironmental significance. *Rivista Italiana di Paleontologia e Stratigrafia*, 128, 2, 515–537. doi: 10.54103/2039-4942/15773
WoS: IF₂₀₂₁: 1,929; **Q2** (21/49) in Geology; **Q2** (27/54) in Paleontology; počet citací: 1

Buriánek, D., Ivanov, M., Janderková, J., Patzel, M. (2022): Importance of accessory minerals for the vertical distribution of uranium and thorium in soil profiles: A case study of durbachite from the Třebíč Pluton (Czech Republic). *Catena*, 213, 106166. doi: 10.1016/j.catena.2022.106166
WoS: IF₂₀₂₁: 6,367; **Q1** (17/201) in Geosciences, Multidisciplinary; **Q1** (8/39) in Soil Science; **Q1** (12/100) in Water Resources; počet citací: 1

Buriánková, I., Molíková, A., Vítězová, M., Onderka, V., Vítěz, T., Urbanová, I., Hanišáková, N., Černý, M., Novák, D., Lochman, J., **Zeman, J.**, Javůrek, J., Machálková, M., Dengler, L., Huber, H. (2022): Microbial Communities in Underground Gas Reservoirs Offer Promising Biotechnological Potential. *Fermentation*, 8 (6), 251. doi: 10.3390/fermentation8060251
WoS: IF₂₀₂₁: 5,123; **Q2** (44/158) in Biotechnology & Applied Microbiology; počet citací: 1

Buzek, F., Cejkova, B., Jackova, I., **Gerslova, E.**, Mach, K., Lhotka, M., Curik, J., Veselovsky, F. (2022): Secondary processes on coal deposits change the emission of greenhouse gases. *International Journal of Coal Geology*, 262, 104102. doi: 10.1016/j.coal.2022.104102
WoS: IF₂₀₂₁: 6,300; **Q2** (45/119) in Energy & Fuels; **Q1** (18/202) in Geosciences, Multidisciplinary; počet citací: 0

Calábková, G., Březina, J., Madzia, D. (2022): Evidence of large terrestrial seymouriamorphs in the lowermost Permian of the Czech Republic. *Papers in Palaeontology*, 8, 2, e1428. doi: 10.1002/sp2.1428
WoS: IF₂₀₂₁: 3,349; **Q1** (4/53) in Paleontology; počet citací: 0

Faimon, J., Baldík, V., Buriánek, D., Rez, J., Štelcl, J., Všianský, D., Sedláček, J., Dostalík, M., Nečas, J., Novotný, R., Hadacz, R., Kryštofová, E., Novotná, J., Müller, P., Krumlová, H., Čáp, P., Faktorová, K., Malík, J., Roháč, J., Kycl, P., Janderková, J. (2022): Historical ferrous slag induces modern environmental problems in the Moravian Karst (Czech Republic). *Science of the Total Environment*, 847, 157433. doi: 10.1016/j.scitotenv.2022.157433
WoS: IF₂₀₂₁: 10,754; **Q1** (26/279) in Environmental Sciences; počet citací: 0

Faimon, J., Baldík, V., Kryštofová, E., Štelcl, J., Rez, J. (2022): Calcite raft formation in abandoned technical adit (Moravian Karst). *Applied Geochemistry*, 141, 105282. doi: 10.1016/j.apgeochem.2022.105282
WoS: IF₂₀₂₁: 3,841; **Q2** (30/87) in Geochemistry & Geophysics; počet citací: 0

Geršlová, E., Medvecká, L., Jirman, P., Nehyba, S., Opletal, V. (2022): Source rock potential of the Miocene sedimentary rocks in the Carpathian Foredeep of the Czech Republic. *Geological Quarterly*, 66, 1. doi: 10.7306/gg.1634
WoS: IF₂₀₂₁: 1,576; **Q2** (21/47) in Geology; počet citací: 0

Kampf, A.R., Olds, T.A., Plášil, J., Burns, P.C., **Škoda, R.**, Marty, J. (2022): Paramarkeyite, a new calcium-uranyl-carbonate mineral from the Markey mine, San Juan County, Utah, USA. *Mineralogical Magazine*, 86, 1, 27–36. doi: 10.1180/mgm.2021.100
WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0

Kasatkin, A.V., Anisimova, G.S., Nestola, F., Plášil, J., Sejkora, J., **Škora, R.**, Sokolov, E.P., Kondratieva, L.A., Kardashevskaya, V.N. (2022): Amgaitite, $Tl^{3+}_2Te^{6+}O_6$, a New Mineral from the Khokhoyskoe Gold Deposit, Eastern Siberia, Russia. *Minerals*, 12, 9, 1064. doi: 10.3390/min12091064
WoS: IF₂₀₂₁: 2,818; **Q2** (42/87) in Geochemistry & Geophysics; **Q2** (11/30) in Mineralogy; **Q2** (8/20) in Mining & Mineral Processing; počet citací: 0

Kasatkin, A.V., Britvin, S.N., Krzhizhanovskaya, M.G., Chukanov, N.V., **Škoda, R.**, Göttlicher, J., Belaovskiy, D.I., Pekov, I.V., Levitskiy, V.V. (2022): Kaznakhtite, $Ni_6CO^{3+}_2(CO_3)(OH)_{16} \cdot 4H_2O$, a new natural layered double hydroxide, the member of the hydrotalcite supergroup. *Mineralogical Magazine*. In Press. doi: 10.1180/mgm.2022.65
WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0

- Kasatkin, A.V., Plášil, J., Chukanov, N.V., **Škoda, R.**, Nestola, F., Agakhanov, A.A., Belakovskiy, D.I. (2022): Gurzhiite, $\text{Al}(\text{UO}_2)(\text{SO}_4)_2\text{F} \cdot 10\text{H}_2\text{O}$, a new uranyl sulfate mineral with chain structure from Bykogorskoe deposit, Northern Caucasus, Russia. *Mineralogical magazine*. In Press. doi: 10.1180/mgm.2022.34
WoS: IF₂₀₂₁: 2,131; **Q2** (14/30) in Mineralogy; počet citací: 0
- Kasatkin, A.V., Plášil, J., Makovicky, E., Chukanov, N.V., **Škoda, R.**, Agakhanov, A.A., Tsyganko, M.V. (2022): Gungerite, $\text{TlAs}_5\text{Sb}_4\text{S}_{13}$, a new thallium sulfosalt with a complex structure containing covalent As-As bonds. *American Mineralogist*, 107, 6, 1164–1173. doi: 10.2138/am-2022-8003
WoS: IF₂₀₂₁: 3,066; **Q2** (39/87) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 1
- Kozáková, P., Migliorini, M., Čaplovičová, M., **Škoda, R.**, Bačík, P. (2022): Structural Breakdown of natural Epidote and Clinozoisite in High-T and Low-P conditions and Characterization of Its Products. *Minerals*, 12, 2, 238. doi: 10.3390/min12020238
WoS: IF₂₀₂₁: 2,818; **Q2** (42/87) in Geochemistry & Geophysics; **Q2** (11/30) in Mineralogy; **Q2** (8/20) in Mining & Mineral Processing; počet citací: 0
- Kremser, K., Thallner, S., Spiess, S., Kucera, J., Vaculovic, T., **Všianský, D.**, Haberbauer, M., Guebitz, G.M. (2022): Bioleaching and selective Precipitation for Metal Recovery from Basic Oxygen Furnace Slag. *Processes*, 10, 3, 576. doi: 10.3390/pr10030576
WoS: IF₂₀₂₁: 3,352; **Q2** (69/142) in Engineering, Chemical; počet citací: 0
- Kříbek, B., Knésl, I., Dobeš, P., Veselovský, F., Pořádek, P., **Škoda, R.**, **Čopjaková, R.**, **Leichmann, J.**, Košek, F. (2022): The Origin of Synchysite-(Ce) and Sources of Rare Earth Elements in the Rožná Uranium Deposit, Czech Republic. *Minerals*, 12, 6, 690. doi: 10.3390/min12060690
WoS: IF₂₀₂₁: 2,818; **Q2** (42/87) in Geochemistry & Geophysics; **Q2** (11/30) in Mineralogy; **Q2** (8/20) in Mining & Mineral Processing; počet citací: 0
- Kubeš, M.**, **Leichmann, J.**, **Buriánek, D.**, Holá, M., Navrátil, P., Scaillet, S., O'Sullivan, P. (2022): Highly evolved miaskitic syenites deciphering the origin and nature of enriched mantle source of ultrapotassic magmatism in the Variscan orogenic root (Bohemian Massif, Moldanubian Zone). *Lithos*, 432–433, 106890. doi: 10.1016/j.lithos.2022.106890
WoS: IF₂₀₂₁: 4,020; **Q2** (28/87) in Geochemistry & Geophysics; **Q2** (8/30) in Mineralogy; počet citací: 0
- Kubeš, M.**, **Leichmann, J.**, **Kotková, J.**, **Čopjaková, R.**, Holá, M., Sláma, J. (2022): Diversity of origin and geodynamic evolution of the mantle beneath the Variscan Orogen indicating rapid exhumation within subduction-related mélange (Moldanubian Zone, Bohemian Massif). *Lithos*, 422, 106726. doi: 10.1016/j.lithos.2022.106726
WoS: IF₂₀₂₁: 4,020; **Q2** (28/87) in Geochemistry & Geophysics; **Q2** (8/30) in Mineralogy; počet citací: 2
- Mikuláš, R., Kočová Veselská, M., Kočí, T., **Šamánek, J.**, Jäger, M., Heřmanová, Z., Bruthansová, J. (2022): Domichnial Borings in Serpulid Tube Walls: Prosperous Benthic Assemblages in the Cretaceous of France and the Czech Republic. *Frontiers in Ecology and Evolution*, 10, 882450. doi: 10.3389/fevo.2022.882450
WoS: IF₂₀₂₁: 4,493; **Q2** (45/173) in Ecology; počet citací: 1
- Nehyba, S.** (2022): Stacked Gilbert-type deltas filling an incised plaeovalley along the cratonward margin of a foreland basin (Miocene, Western Carpathian Foredeep). *Geological Quarterly*, 66, 3, 28. doi: 10.7306/gq.1661
WoS: IF₂₀₂₁: 1,576; **Q2** (23/49) in Geology; počet citací: 0
- Nehyba, S.**, Opletal, V., Holcová, K., Scheiner, F., Ackerman, L., Rejšek, J. (2022): The return of the Iván Canyon, a large Neogene canyon in the Alpine-Carpathian Foredeep. *Marine and Petroleum Geology*, 144, 105808. doi: 10.1016/j.marpetgeo.2022.105808
WoS: IF₂₀₂₁: 5,361; **Q1** (29/202) in Geosciences, Multidisciplinary; počet citací: 0
- Nehyba, S.**, Roetzel, R. (2022): High-energy, microtidal nearshore deposits and their provenance (Lower Miocene, Burdigalian/Eggenburgian, Alpine-Carpathian Foredeep, Lower Austria). *Geological Quarterly*, 66, 4, 33. doi: 10.7306/gq.1665
WoS: IF₂₀₂₁: 1,576; **Q2** (23/49) in Geology; počet citací: 0
- Otahal, P.P.S., **Fialova, E.**, Vosahlik, J., Wiedner, H., Grossi, C., Vargas, A., Michielsen, N., Turtiainen, T., Luca, A., Wołoszczuk, K., Beck, T.R. (2022): Low-Level Radon Activity Concentration—A MetroRADON

International Intercomparison. *International Journal of Environmental Research and Public Health*, 19, 10, 5810. doi: 10.3390/ijerph19105810

WoS: IF₂₀₂₁: 4,614; **Q2** (100/279) in Environmental Sciences; **Q2** (71/210) in Public, Environmental & Occupational Health; počet citací: 1

Petrík, J., Adameková, K., Škrdla, P. (2022): A pedogenically-informed chronostratigraphic model elucidates the geochronology at the type site of the Bohunician technocomplex. *Quaternary Science Reviews*, 297, 107827. doi: 10.1016/j.quascirev.2022.107827

WoS: IF₂₀₂₁: 4,456; **Q1** (12/50) in Geography, Physical; **Q1** (48/202) in Geosciences, Multidisciplinary; počet citací: 0

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

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

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

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

Sejkora, J., Žáček, V., Škoda, R., Laufek, F., Dolníček, Z. (2022): Radvaniceite, GeS₂, a New Germanium Sulphide, from the Kateřina Mine, Radvanice near Trutnov, Czech Republic. *Minerals*, 12, 2, 1–12. doi: 10.3390/min12020222

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

Smutná, T., Dumková, J., Kristeková, D., Laštovičková, M., Jedličková, A., Vrlíková, L., Dočekal, B., Kotasová, H., Pelková, V., Večeřa, Z., Křůmal, K., Petráš, J., Coufalík, P., Všíanský, D., Zámej, S., Pinkas, D., Vondráček, J., Hampl, A., Mikuška, P., Buchtová, M. (2022): Macrophage-mediated tissue response evoked by subchronic inhalation of lead oxide nanoparticles is associated with the alteration of phospholipases C and cholesterol transporters. *Particle and Fibre Toxicology*, 19, 52. doi: 10.1186/s12989-022-00494-7

WoS: IF₂₀₂₁: 9,112; **Q1** (4/94) in Toxicology; počet citací: 0

Steciuk, G., Kolitsch, U., Goliáš, V., Škoda, R., Plášil, J., Schmidt, F.X. (2022): Uranotungstite, the only natural uranyl tungstate: Crystal structure revealed from 3D electron diffraction. *American Mineralogist*, 107, 9, 1709–1716.

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

Steciuk, G., Škoda, R., Dillingerová, V., Plášil, J. (2022): Chemical variability in vyacheslavite, U(PO₄)(OH): Crystal-chemical implications for hydrous and hydroxylated U⁴⁺, Ca, and ReE phosphates. *American Mineralogist*, 107, 1, 131–137. doi: 10.2138/am-2021-7875

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

Szczygieł, J., Baroň, I., Melichar, R., Plan, L., Mitrović-Woodell, I., Kaminsky, E., Scholz, D., Grasemann, B. (2022): Post-Miocene tectonics of the Northern Calcareous Alps. *Scientific Reports*, 12, 1, 17730. doi: 10.1038/s41598-022-22737-5

WoS: IF₂₀₂₁: 4,997; **Q2** (19/74) in Multidisciplinary Sciences; počet citací: 1

Šamánek, J., Vallon, L.H., Mikuláš, R., Vachek, M. (2022): A glimpse into ancient food storage: Sequestrichnia and associated nucleocave *Chondrites* from Eocene deep-sea deposits. *Acta Palaeontologica Polonica*, 67 (3), 767–779. doi: 10.4202/app.00965.2021

WoS: IF₂₀₂₁: 2,108; **Q2** (18/53) in Paleontology; počet citací: 0

Tvrđý, J., Plášil, J., Vrtiška, L., Sejkora, J., Škoda, R., Dolníček, Z., Petr, M., Veselovský, F. (2022): Ferroberaunite, Fe²⁺Fe³⁺₅(PO₄)₄(OH)₅ · 6H₂O, a mixed-valence iron member of the beraunite series, from the Gravel Hill mine, Perranzabuloe, Cornwall. *Mineralogical Magazine* 86, 3, 363–372. doi: 10.1180/mgm.2022.15

WoS: IF₂₀₂₁: 2,131; Q2 (14/30) in Mineralogy; počet citací: 1

Vodrážková, S., **Kumpan, T.**, Vodrážka, R., **Čopjaková, R.**, Koubová, M., Munnecke, A., **Kalvoda, J.**, Holá, D. (2022): Ferruginous coated grains of microbial origin from the Lower Devonian (Pragian) of the Prague Basin (Czech Republic) – petrological and geochemical perspective. *Sedimentary Geology*, 106194. doi: 10.1016/j.sedgeo.2022.106194

WoS: IF₂₀₂₁: 3,329; Q1 (5/47) in Geology; počet citací: 0

von Koenigswald, W., **Březina, J.**, Werneburg, R., Göhlich, U.B. (2022): A partial skeleton of „*Mammut borsoni*“ (Proboscidea, Mammalia) from the Pliocene of Kaltensundheim (Germany). *Palaeontologia Electronica*, 25, 1–45. doi: 10.26879/1188

WoS: IF₂₀₂₁: 1,932; Q2 (26/53) in Paleontology; počet citací: 0

Vöröš, D., **Geršlová, E.**, Šimoníková, L., Díaz-Somoano, M. (2022): Late Carboniferous palaeodepositional changes recorded by Inorganic Proxies and REE data from the coal-bearing strata: An example on the Czech part of the Upper Silesian Coal basin (USCB). *Journal of Natural Gas Science and Engineering*, 107, 104789. doi: 10.1016/j.jngse.2022.104789

WoS: IF₂₀₂₁: 5,285; Q2 (54/119) in Energy & Fuels; Q1 (35/142) in Engineering, Chemical; počet citací: 0

Wertich, V., **Kubeš, M.**, **Leichmann, J.**, Holá, M., **Haifler, J.**, **Mozola, J.**, Hršelová, P., Jaroš, M. (2022): Trace element signatures of uraninite controlled by fluid-rock interactions: A case study from the Eastern Moldanubicum (Bohemian Massif). *Journal of Geochemical Exploration*, 243, 107111. doi: 10.1016/j.gexplo.2022.107111

WoS: IF₂₀₂₁: 4,166; Q2 (25/87) in Geochemistry & Geophysics; počet citací: 0

2021 (celkem 42 článků, 15 studentů spoluautorů – červeně)

Adameková, K., Lisá, L., Neruda, P., **Petrík, J.**, **Doláková, N.**, Novák, J., Volánek, J. (2021): Pedosedimentary record of MIS 5 as an interplay of climatic trends and local conditions: Multi-proxy evidence from the Palaeolithic site of Moravský Krumlov IV (Moravia, Czech Republic). *Catena*, 200, 105174. doi: 10.1016/j.catena.2021.105174

WoS: IF₂₀₂₀: 5,198; Q1 (12/98) in Water Resources; Q1 (7/37) in Soil Science; Q1 (22/199) in Geosciences, Multidisciplinary; počet citací: 1

Bábek, O., **Kumpan, T.**, Calner, M., Šimiček, 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: 2

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WoS: IF₂₀₂₀: 4,155; Q1 (4/48) in Geology; počet citací: 1

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WoS: IF₂₀₂₀: 4,004; Q1 (7/30) in Mineralogy; Q1 (19/88) in Geochemistry & Geophysics; počet citací: 1

Bonilla-Salomón, I., Čermák, S., Luján, Á.H., Horáček, I., **Ivanov, M.**, Sabol, M. (2021): Early Miocene small mammals from MWQ1/2001 Turtle Joint (Mokrý-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: 4

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WoS: IF₂₀₂₀: 2,259; Q1 (11/54) in Paleontology; počet citací: 0

Březina, J., Alba, D.M., **Ivanov, M.**, Hanáček, M., Luján, Á.H. (2021): A middle Miocene vertebrate assemblage from the Czech part of the Vienna Basin: Implications for the paleoenvironments of the Central Paratethys. *Palaeogeography, Palaeoclimatology, Palaeoecology*, 575, 110473.

WoS: IF₂₀₂₀: 3,318; **Q2** (21/50) in Geography, Physical; **Q1** (2/54) in Paleontology; **Q2** (74/199) in Geosciences, Multidisciplinary; počet citací: 3

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

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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: 2

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

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

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

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

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

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WoS: IF₂₀₂₀: 1,600; **Q2** (27/54) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 5

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

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

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WoS: IF₂₀₂₀: 2,062; **Q2** (13/30) in Mineralogy; počet citací: 0
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WoS: IF₂₀₂₀: 2,176; **Q1** (13/54) in Paleontology; **Q2** (14/48) in Geology; počet citací: 6
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WoS: IF₂₀₂₀: 4,004; **Q1** (7/30) in Mineralogy; **Q1** (19/88) in Geochemistry & Geophysics; počet citací: 1
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WoS: IF₂₀₂₀: 6,853; **Q1** (8/199) in Geosciences, Multidisciplinary; počet citací: 5
- Krmíček, L.**, Romer, R.L., Timmerman, M.J., Ulrych, J., Glodny, J., **Přichystal, A.**, Sudom, M. (2021): Long-lasting (65 Ma) regionally contrasting late- to post-orogenic Variscan mantle-derived potassic magmatism in the Bohemian Massif (vol 61, egaa072, 2020). *Journal of Petrology*, 62, 5, egab040. doi: 10.1093/petrology/egab040
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- 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*, 115, 2, 193–211. 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
- Kubeš, M.**, **Leichmann, J.**, **Wertich, V.**, **Mozola, J.**, Holá, M., Kanický, V., **Škoda, R.** (2021): Metamictization and fluid-driven alteration triggering massive HFSE and REE mobilization from zircon and titanite: Direct evidence from EMPA imaging and LA-ICP-MS analyses. *Chemical Geology*, 586, 12593. doi: 10.1016/j.chemgeo.2021.120593
WoS: IF₂₀₂₀: 4,015; **Q1** (18/88) in Geochemistry & Geophysics; počet citací: 4
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WoS: IF₂₀₂₀: 4,015; **Q1** (18/88) in Geochemistry & Geophysics; počet citací: 3
- 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: 2
- Mikysek, P., Zikmund, T., Dosbaba, M., Břínek, A., **Slobodník, M.**, Adamovič, J., Meszárošová, N., Trojek, T., Kaiser, J. (2021): Multi-scale visualization of uranium-rich domains dispersed in U-Zr mineralization of sandstone-type (Břevniště, Czech Republic). *Ore Geology Reviews*, 138, 104358. doi: 10.1016/j.oregeorev.2021.104358
WoS: IF₂₀₂₀: 3,809; **Q2** (8/30) in Mineralogy; **Q1** (5/21) in Mining & Mineral Processing; počet citací: 2

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WoS: IF₂₀₂₀: 4,725; **Q1** (30/199) in Geosciences, Multidisciplinary; počet citací: 3
- Nehyba, S.**, Roetzel, R. (2021): Coastal sandy spit deposits (Lower Burdigalian/Eggenburgian) in the Alpine-Carpathian Foredeep of Lower Austria. *Geological Quarterly*, 65, 4, 50. doi: 10.7306/gq.1619
WoS: IF₂₀₂₀: 1,350; **Q2** (23/49) in Geology; počet citací: 0
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WoS: IF₂₀₂₀: 7,086; **Q1** (30/274) in Environmental Sciences; počet citací: 5
- Plášil, J., Petříček, V., **Škoda, R.**, Meisser, N., Kasatkin, A.V. (2021): Hidden and apparent twins in uranyl-oxide minerals agrinierite and rameauite: a demonstration of metric and reticular merohedry. *Journal of Applied Crystallography*, 54, 1656-1663, 6. doi: 10.1107/S1600576721009663
WoS: IF₂₀₂₀: 3,304; **Q2** (85/178) in Chemistry, Multidisciplinary; **Q2** (7/25) in Crystallography; počet citací: 0
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WoS: IF₂₀₂₀: 1,600; **Q2** (27/57) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; počet citací: 2
- Scribner, E.D., **Cempírek, J.**, Groat, L.A., Evans, R.J., Biagioni, C., Bosi, F., Dini, A., Halenius, U., Orlandi, P., Pasero, M. (2021): Magnesio-luchesiite, CaMg₃Al₆(Si₆O₁₈)(BO₃)₃(OH)₃O, a new species of the tourmaline supergroup. *American Mineralogist*, 106, 6, 862–871. doi: 10.2138/am-2021-7496
WoS: IF₂₀₂₀: 3,003; **Q2** (10/30) in Mineralogy; **Q2** (36/88) in Geochemistry & Geophysics; počet citací: 4
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WoS: IF₂₀₁₉: 1,573; **Q3** (36/59) in Biodiversity Conservation; **Q2** (27/55) in Paleontology; počet citací: 11
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WoS: IF₂₀₂₀: 2,644; **Q2** (11/30) in Mineralogy; **Q2** (42/88) in Geochemistry & Geophysics; počet citací: 2
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WoS: IF₂₀₂₀: 2,062; **Q2** (13/30) in Mineralogy; počet citací: 1
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WoS: IF₂₀₂₀: 7,086; **Q1** (33/279) in Environmental Sciences; počet citací: 2
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WoS: IF₂₀₂₀: 1,600; **Q2** (27/54) in Paleontology; **Q4** (157/199) in Geosciences, Multidisciplinary; 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: 3

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 fluorocarbonate minerals. *Mineralogy and Petrology*, 115, 1, 1–19. doi: 10.1007/s00710-020-00723-x

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WoS: IF₂₀₂₀: 4.015; **Q1** (18/88) in Geochemistry & Geophysics; počet citací: 5

2020 (celkem 38 článků, 10 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*, 61, 8, ega075. doi: 10.1093/petrology/egaa075

WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 9

Alba, D.M., Gasamans, N., Pons-Monjo, G., Luján, Á.H., Robles, J.M., Obrado, P., Casanovas-Vilar, I. (2020): Oldest *Deinotherium proavum* from Europe. *Journal of Vertebrate Paleontology*, 40, 2, e1775624. doi: 10.1080/02724634.2020.1775624

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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

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WoS: IF₂₀₁₉: 4,140; **Q1** (5/39) in Engineering, Geological; **Q1** (24/200) in Geosciences, Multidisciplinary; počet citací: 9

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WoS: IF₂₀₁₉: 2,023; **Q2** (14/55) in Paleontology; počet citací: 0

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WoS: IF₂₀₁₉: 3,639; **Q1** (16/85) in Geochemistry & Geophysics; počet citací: 4

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WoS: IF₂₀₁₉: 3,025; **Q1** 7/47) in Geology; počet citací: 5

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WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 6

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WoS: IF₂₀₁₉: 1,738; **Q2** (13/30) in Mineralogy; počet citací: 4

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

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WoS: IF₂₀₁₉: 3,363; **Q2** (23/85) in Geochemistry & Geophysics; počet citací: 5

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WoS: IF₂₀₁₉: 3,451; **Q1** (20/85) in Geochemistry & Geophysics; počet citací: 7

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WoS: IF₂₀₁₉: 4,202; **Q1** (22/200) in Geosciences, Multidisciplinary; počet citací: 8

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

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

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WoS: IF₂₀₁₉: 2,871; **Q2** (36/85) in Geochemistry & Geophysics; počet citací: 14

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WoS: IF₂₀₁₉: 4,046; **Q1** (2/47) in Geology; počet citací: 1

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WoS: IF₂₀₁₉: 3,998; **Q1** (17/71) in Multidisciplinary Sciences; počet citací: 12

Petrík, J., Nováček, K., Všíanský, D., Al-Juboury A.I., Slavíček, K. (2020): Islamic glazed pottery from Adiabene (Iraq, Kurdistan): multianalytical research into its technological development and provenance. *Archaeological and Anthropological Sciences*, 12, 1, 19. doi: 10.1007/s12520-019-01002-3

WoS: IF₂₀₁₉: 2,063; **Q1** (18/91) in Anthropology; **Q3** (109/200) in Geosciences, Multidisciplinary; počet citací: 0

Plášil, J., Kampf, A.R., Meisser, N., Lheur, C., Brunspurger, T., **Škoda, R. (2020):** Smamite, Ca₂Sb(OH)₄[H(AsO₄)₂] · 6H₂O, 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

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WoS: IF₂₀₁₉: 2,922; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 4

Roth, P., Meisser, N., Nestola, F., **Škoda, R., Cámara, F., Bosi, F., Ciriotti, M.E., Halenius, U., Schnyder, C., Bracco, R. (2020):** Rüdingerite, Mn²⁺₂V⁵⁺O₇ · 2H₂O, 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: 1

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: 9

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

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

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

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

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WoS: IF₂₀₁₉: 2,728; **Q1** (8/47) in Geology; počet citací: 5

Števko, M., Sejkora, J., Plášil, J., Dolníček, Z., **Škoda, R.** (2020): Fluorapophyllite-(NH₄), NH₄Ca₄(Si₈O₂₀)F · 8H₂O, a new member of the apophyllite group from the Večec 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: 1

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

WoS: IF₂₀₁₉: 2,924; **Q2** (33/85) in Geochemistry & Geophysics; **Q2** (10/30) in Mineralogy; počet citací: 1

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

WoS: IF₂₀₁₉: 2,180; **Q3** (147/265) in Environmental Sciences; **Q3** (103/200) in Geosciences, Multidisciplinary; **Q2** (43/94) in Water Resources; počet citací: 4

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: 1

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WoS: IF₂₀₁₈: 3,909; **Q1** (4/38) in Engineering, Geological; **Q1** (30/196) Geosciences, Multidisciplinary; počet citací: 7

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WoS: IF₂₀₁₈: 2,764; **Q2** (34/84) in Geochemistry & Geophysics; počet citací: 15

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

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

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

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

Georgalis, G.L., **Ivanov, M.**, Villa, A., Roussiakis, S., Skandalos, P., Delfino, M. (2019): Early Miocene herpetofaunas from the Greek localities of Aliveri and Karydia – bridging a gap in the knowledge of amphibians and reptiles from the early Neogene of southeastern Europe. *Historical Biology*. doi: 10.1080/08912963.2017.1417404

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

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

WoS: IF₂₀₁₈: 1,366; Q2 (24/57) in Paleontology; počet citací: 28

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, Vigezzo Valley (Central Alps, Italy). *Minerals*, 9, 5, 313. doi: 10.3390/min9050313

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

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

WoS: IF₂₀₁₈: 1,489; Q2 (22/57) in Paleontology; počet citací: 5

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WoS: IF₂₀₁₈: 3,913; Q1 (16/84) in Geochemistry & Geophysics; Q1 (3/29) in Mineralogy; počet citací: 17

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

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

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WoS: IF₂₀₁₈: 2,616; Q1 (4/57) in Paleontology; Q2 (25/50) in Geography, Physical; Q2 (70/196) in Geosciences, Multidisciplinary; počet citací: 20

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

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

Krivovichev, S.V., Panikorovskii, T.L., Zolotarev, A.A., Bocharov, V.N., Kasatkin, A.V., **Škoda, R.** (2019): Jahn-Teller Distortion and Cation Ordering: The Crystal Structure of Paratooite-(La), a Superstructure of 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: 1

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WoS: IF₂₀₁₈: 3,244; Q1 (9447) in Geology; počet citací: 18

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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: 10

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

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

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

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

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

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

WoS: IF₂₀₁₈: 3,618; Q1 (19/84) in *Geochemistry & Geophysics*; počet citací: 7

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: 5

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WoS: IF₂₀₁₈: 2,250; Q2 (29/84) in *Geochemistry & Geophysics*; počet citací: 7

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: 12

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

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

Villa, A., Delfino, M., **Luján, Á.H.**, Almécija, S., Alba, D.M. (2019): First record of *Latonia gigantea* (Anura, Alytidae) from the Iberian Peninsula. *Historical Biology*, 31, 3, 371–382. doi: 10.1080/08912963.2017.1371712
WoS: IF₂₀₁₈: 1,489; Q2 (22/57) in Paleontology; počet citací: 8

Villa, A., Kirchner, M., Alba, D.M. Bernardini, F., Bolet, A., **Luján, Á.H.**, Fortuny, J., Hipsley, C.A, Muller, J., Sindaco, R., Tuniz, C., Delfino, M. (2019): Comparative cranial osteology of *Blanus* (Squamata: Amphisbaenia). *Zological Journal of the Linnean Society*, 185, 3, 693–716. doi: 10.1093/zoolinnean/zly082
WoS: IF₂₀₁₈: 2,909; Q1 (10/170) in Zoology; počet citací: 4

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

Alba, D.M., Casanovas-Vilar, I., Furió, M., García-Paredes, I., Angelone, C., Jovells Vaqué, S., **Luján, Á.H.**, Almécija, S., Moya-Sola, S. (2018): Can Pallars i Llobateres: A new hominoid-bearing locality from the late Miocene of the Vallés-penedés 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: 6

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: 13

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: 18

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: 9

Čopjaková, R., **Kotková, J.** (2018): Composition of barian mica in multiphase soild inclusions from orogenic garnet peridotites as evidence of mantle metasomatism in a subduction zone setting. *Contributions to Mineralogy and Petrology*, 173, 106. doi: 10.1007/s00410-018-1534-6
WoS: IF₂₀₁₇: 3,626; Q1 (6/29) in Mineralogy; Q1 (17/85) in Geochemistry & Geophysics; počet citací: 5

Evans, R.J., Groat, L.A., **Cempírek, J.**, **Škoda, R.**, Grew, E.S., Bernard, C. (2018): The crystal chemistry of the sarkhaite-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: 1

Faimon, J., **Lang, M.** (2018): What actually controls the minute to hour changes in soil carbon dioxide concentrations? *Geoderma*, 323, 52–64. doi: 10.1016/j.geoderma.2018.02.048
WoS: IF₂₀₁₇: 3,740; Q1 (5/34) in Soil Science; počet citací: 7

Frýbort, A., **Všianský, D.**, Štulířová, J., Stryk, J., **Gregerová, M.** (2018): Variations in the composition and relations between alkali-silica gels and calcium silicate hydrates in highway concrete. *Materials Characterization*, 137, 91–108. doi: 10.1016/j.matchar.2018.01.012
WoS: IF₂₀₁₇: 2,892; Q2 (89/285) in Materials Science, Multidisciplinary; Q1 (10/75) in Metallurgy & Metallurgical Engineering; Q1 (3/33) in Materials Science, Characterization & Testing; počet citací: 7

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

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

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

WoS: 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: 4

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: 13

Kasatkin, A.V., Nestola, F., Agakhanov, A.A., **Škoda, R.**, Karpenko, V.Y., Tsyganko, M.V., Plášil, J. (2018): Vorontsovite, (Hg₅Cu)_{Σ6}TlAs₄S₁₂, and Ferrovorontsovite, (Fe₅Cu)_{Σ6}TlAs₄S₁₂: The 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: 8

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

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

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: 6

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

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

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

Petrík, J., Sosna, D., Prokeš, L., Štefanisko, D., Galeta, P. (2018): Shape matters: assessing regional variation of Bell Beaker projectile points in Central Europe using geometric morphometrics. *Archaeological and Anthropological Sciences*, 10, 4, 893–904. doi: 10.1007/s12520-016-0423-7

WoS: IF₂₀₁₇: 5,414; **Q2** (69/190) in Geosciences, Multidisciplinary; počet citací: 11

Plášil, J., Kampf, A.R., **Škoda, R.**, Čejka, J. (2018): Nollmotzite, Mg[U^V(U^{VI}O₂)₂O₄F₃] · 4H₂O, 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** (27/171) in Chemistry, Multidisciplinary; **Q1** (4/26) in Crystallography; počet citací: 6

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

Pokorný, R., Koutecký, V., Björck, S., **Krmíček, L.**, Árting, U.E., Štofík, M. (2018): Driftwood in the Eemian interglacial lacustrine unit from the Faroe Islands and its possible source areas: palaeobotanical and ichnological analysis. *Boreas*, 47, 4, 1230–1243. doi: 10.1111/bor.12332
WoS: IF₂₀₁₇: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 0

Říčka, A., **Kuchovský, T.**, Damdindorj, B., Fűrých, V., Kopřiva, A., Puntsag, K. (2018): Identifying the flow pattern and natural recharge at a strategic groundwater resource in the Dornogobi Province, Mongolia. *Hydrological Sciences Journal*. doi: 10.1080/02626667.2018.1511053
WoS: IF₂₀₁₇: 2,061; Q2 (36/90) in Water Resources; počet citací: 0

Sokol, L., **Melichar, R.**, Baroň, I. (2018): Present-day stress inversion from a single near-surface fault: A novel mathematical approach. *Journal of Structural Geology*, 117, 163–167. doi: 10.1016/j.jsg.2018.09.013
WoS: IF₂₀₁₇: 2,622; Q2 (61/190) in Geosciences, Multidisciplinary; počet citací: 6

Svoboda, J., Pokorný, P., Horáček, I., Sázelová, S., Abrahám, V., Divišová, M., **Ivanov, M.**, Kozáková, R., Novák, J., Novák, M., Šída, P., Perri, A.R. (2018): Late Glacial and Holocene sequences in rockshelters and adjacent wetlands of Northern Bohemia, Czech Republic: Correlation of environmental and archaeological records. *Quaternary International*, 465, Part B, 234–250. doi: 10.1016/j.quaint.2017.05.009
WoS: IF₂₀₁₇: 2,163; Q3 (29/49) in Geography, Physical; Q2 (85/190) in Geosciences, Multidisciplinary; počet citací: 11

Šolcová, A., Petr, L., Hájková, P., **Petrík, J.**, Tóth, P., Rohovec, J., Bátora, J., Horsák, M. (2018): Early and middle Holocene ecosystem changes at the Western Carpathian/Pannonian border riven by climate and Neolithic impact. *Boreas*, 47, 3, 897–909. doi: 10.1111/bor.12309
WoS: IF₂₀₁₇: 2,638; Q2 (21/49) in Geography, Physical; Q2 (59/190) in Geosciences, Multidisciplinary; počet citací: 13

Ulrych, J., **Krmíček, L.**, Teschner, C., Skála, R., Adamovič, J., Ďurišová, J., Křížová, Š., **Kuboušková, S.**, Radoň, M. (2018): Chemistry and Sr–Nd isotope signature of amphiboles of the magnesio-hastingsite-pargasite-kaersutite series in Cenozoic volcanic rocks: Insight into lithospheric mantle beneath the Bohemian Massif. *Lithos*, 312–313, 308–321. doi: 10.1016/j.lithos.2018.05.017
WoS: IF₂₀₁₇: 3,857; Q1 (4/29) in Mineralogy; Q1 (14/85) in Geochemistry & Geophysics; počet citací: 18

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 marathonsis* (Squamata, Varanidae) based on historical and new material: morphology, systematics, and palaeobiogeography of the European monitor lizards. *PLoS One*, 13, 12, e0207719. doi: 10.1371/Journal.pone.0207719
WoS: IF₂₀₁₇: 2,766; Q1 (15/64) in Multidisciplinary Sciences; počet citací: 18

Vöröš, D., Diaz-Somoano, M., **Geršlová, E.**, Sýkorová, I., Suárez-Ruiz, I. (2018): Mercury contamination of stream sediments in the North Bohemian Coal District (Czech Republic): Mercury speciation and the role of organic matter. *Chemosphere*, 211, 664–673. doi: 10.1016/j.chemosphere.2018.07.196
WoS: IF₂₀₁₇: 4,427; Q1 (35/242) in Environmental Sciences; počet citací: 13

Vöröš, D., **Geršlová, E.**, Díaz-Somoano, M., Sýkorová, I., Suárez-Ruiz, I., Havelcová, M., Kuta, J. (2018): Distribution and Mobility Potential of Trace Elements in the Main Seam of the Most Coal Basin. *International Journal of Coal Geology*, 196, 139–147. doi: 10.1016/j.coal.2018.07.005
WoS: IF₂₀₁₇: 4,130; Q1 (17/190) in Geosciences, Multidisciplinary; Q2 (26/97) in Energy & Fuels; počet citací: 7

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: 8

Weiner, T., Weinerová, H., Kalvoda, J. (2018): Microproblematika, calcareous algae, and microbialites at the Frasnian-Famennian boundary interval in the Šumbera section (Moravian Karst, Czech Republic) and their significance in the context of the Kellwasser Crisis. *Facies*, 64, 26. doi: 10.1007/s10347-018-0538-z

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

Wertich, V., Leichmann, J., Dosbaba, M., Götze, J. (2018): Multi-Stage Evolution of Gold-Bearing Hydrothermal Quartz Veins at the Mokrsko Gold Deposit (Czech Republic) Based on Cathodoluminescence, Spectroscopic, and Trace Elements Analyses. *Minerals*, 8, 8, 336. doi: 10.3390/min8080335

WoS: IF₂₀₁₇: 1,835; Q2 (13/29) in Mineralogy; Q2 (7/20) in Mining & Mineral Processing; počet citací: 12

Zimák, J., Štelcl, J., Všíanský, 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 30 článků, 11 studentů spoluautorů – červeně)

Baroň, I., Kernstocková, M., **Melichar, R.** (2017): Stress field reconstruction in an active mudslide. *Geomorphology*, 289, 170–178. doi: 10.1016/j.geomorph.2017.04.020

WoS: IF₂₀₁₆: 2,958; Q2 (14/49) in Geography, Physical; Q1 (41/188) in Geosciences, Multidisciplinary; počet citací: 7

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WoS: IF₂₀₁₆: 2,021; Q2 (10/29) in Mineralogy; Q2 (39/84) in Geochemistry & Geophysics; počet citací: 3

Filipská, P., Zeman, J., Všíanský, D., Honty, M., Škoda, R. (2017): Key processes of long-term bentonite-water interaction at 90 °C: Mineralogical and chemical transformations. *Applied Clay Science*, 150, 234–243. doi: 10.1016/j.clay.2017.09.036

WoS: IF₂₀₁₆: 3,101; Q1 (68/275) in Materials Science, Multidisciplinary; Q1 (5/29) in Mineralogy; Q2 (52/146) in Chemistry, Physical; počet citací: 7

Goldbach, M., Geršlová, E., Misz-Kennan, M., Nehyba, S. (2017): Thermal maturity of Miocene organic matter from the Carpathian Foredeep in the Czech Republic: 1D and 3D models. *Marine and Petroleum Geology*, 88, 18–29. doi: 10.1016/j.marpetgeo.2017.08.004

WoS: IF₂₀₁₆: 2,888; Q1 (43/188) in Geosciences, Multidisciplinary; počet citací: 4

Hošek, J., **Lisá, L.**, Ulrich, H., Petr, L., Vejrostová, L., Bajer, A., Matys Grygar, T., Piotr, M., Gottvald, Z., Horskák, M. (2017): Middle Pleniglacial pedogenesis on the northwestern edge of the Carpathian basin: A multidisciplinary investigation of the Bíňa 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: 11

Hurai, V., Paquette, J.-L., Huraiová, M., **Slobodník, M.**, Hvozďára, P., Siegfried, P., Gajdošová, M., Milovská, S. (2017): New insights into the origin of the Evate apatite-iron oxide-carbonate deposit, Northeastern Mozambique, constrained by mineralogy, textures, thermochronometry, and fluid inclusions. *Ore Geology Reviews*, 80, 1072–1091. doi: 10.1016/j.oregeorev.2016.09.017

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

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WoS: IF₂₀₁₆: 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: 13

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WoS: IF₂₀₁₆: 2,373; **Q1** (10/47) in Geology; počet citací: 14

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WoS: IF₂₀₁₆: 1,657; **Q2** (20/54) in Biodiversity Conservation; **Q3** (88/153) in Ecology; počet citací: 8

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WoS: IF₂₀₁₆: 2,640; **Q2** (30/85) in Meteorology & Atmospheric Sciences; počet citací: 13

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WoS: IF₂₀₁₆: 2,283; **Q2** (71/188) in Geosciences, Multidisciplinary; počet citací: 11

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WoS: IF₂₀₁₆: 2,958; **Q2** (14/49) in Geography, Physical; **Q1** (41/188) in Geosciences, Multidisciplinary; počet citací: 7

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WoS: IF₂₀₁₆: 1,129; **Q2** (22/47) in Geology; počet citací: 4

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WoS: IF₂₀₁₆: 3,932; **Q2** (16/48) in Evolutionary Biology; počet citací: 10

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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: 7
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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: IF₂₀₁₅: 2,236; **Q1** (8/47) in Geology; počet citací: 39

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WoS: IF₂₀₁₅: 1,918; **Q2** (9/29) in Mineralogy; **Q2** (37/81) in Geochemistry & Geophysics; počet citací: 16

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: 8

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WoS: IF₂₀₁₅: 2,468; **Q2** (29/81) in Geochemistry & Geophysics; počet citací: 9

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

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WoS: IF₂₀₁₅: 1,585; **Q3** (141/271) in Materials Science, Multidisciplinary; **Q2** (13/29) in Mineralogy; počet citací: 14

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WoS: IF₂₀₁₅: 3,294; **Q1** (28/184) in Geosciences, Multidisciplinary; **Q2** (26/88) in Energy & Fuels; počet citací: 17

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

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: 11

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WoS: IF₂₀₁₅: 3,143; **Q1** (2/54) in Paleontology; **Q2** (19/46) in Evolutionary Biology; počet citací: 26

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: 46

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WoS: IF₂₀₁₅: 2,474; **Q2** (47/184) in Geosciences, Multidisciplinary; **Q1** (19/104) in Computer Science, Interdisciplinary Applications; počet citací: 9

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WoS: IF₂₀₁₅: 3,673; **Q1** (3/47) in Geology; počet citací: 28

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

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WoS: IF₂₀₁₅: 2,135; **Q2** (22/49) in Geography, Physical; **Q2** (64/184) in Geosciences, Multidisciplinary; počet citací: 11

Pabst, W., Gregorová, E., Kloužek, J., Kloužková, A., Zemanová, P., Kohoutková, M., Sedlářová, I., Lang, K., Kotouček, M., Nevřivová, L., **Všianský, D.** (2016): High-temperature Young's moduli and dilatation behavior of silica refractories. *Journal of the European Ceramic Society*, 36, 1, 209–220. doi: 10.1016/j.jeurceramsoc.2015.09.020
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WoS: IF₂₀₁₅: 1,322; **Q3** (28/54) in Paleontology; **Q2** (23/49) in Biodiversity Conservation; počet citací: 11

Radaideh, O.M.A., Grasseman, 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: 31

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: 11

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WoS: IF₂₀₁₅: 2,813; Q1 (12/49) in Geography, Physical; Q1 (34/184) in Geosciences, Multidisciplinary; počet citací: 22

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WoS: IF₂₀₁₅: 2,212; Q2 (8/29) in Mineralogy; počet citací: 10

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WoS: IF₂₀₁₅: 1,690; Q2 (17/47) in Geology; Q2 (19/54) in Paleontology; počet citací: 5

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: 26

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

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

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WoS: IF₂₀₁₄: 3,558; **Q1** (3/46) in Geology; **Q1** (4/28) in Mineralogy; **Q1** (1/20) in Mining & Mineral Processing; počet citací: 34

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: 71

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

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WoS: IF₂₀₁₃: 1,572; **Q3** (113/216) in Environmental Sciences; **Q2** (80/174) in Geosciences, Multidisciplinary; **Q2** (33/81) in Water Resources; počet citací: 7

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WoS: IF₂₀₁₃: 2,741; **Q1** (4/44) in Geology; počet citací: 63

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: 25

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

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

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

WoS: IF₂₀₁₃: 2,134; Q1 (11/44) in Geology; počet citací: 39

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

WoS: IF₂₀₁₃: 2,177; Q2 (55/174) in Geosciences, Multidisciplinary; počet citací: 43

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

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WoS: IF₂₀₁₃: 5,481; Q1 (8/216) in Environmental Sciences; Q1 (2/46) in Engineering, Environmental; počet citací: 38

Plášil, J., Sejkora, J., **Škoda, R., Novák, M., Kasatkin, A.V., Škacha, P., Veselovský, F., Fejfarová, K., Ondruš, P.** (2014): Hloušekite, $(\text{Ni,Co})\text{Cu}_4(\text{AsO}_4)_2(\text{AsO}_3\text{OH})_2(\text{H}_2\text{O})_9$, 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: 11

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

Plášil, J., Veselovský, F., Hloušek, J., **Škoda, R., Novák, M., Sejkora, J., Čejka, J., Škacha, P., Kasatkin, A.V.** (2014): Mathesiusite, $\text{K}_5(\text{UO}_2)_4(\text{SO}_4)_4(\text{VO}_5)(\text{H}_2\text{O})_4$, a new uranyl vanadate-sulfate from Jáchymov, Czech Republic. *American Mineralogist*, 99, 4, 625–632. doi: 10.2138/am.2014.4681

WoS: IF₂₀₁₃: 2,059; Q2 (8/27) in Mineralogy; Q2 (33/80) in Geochemistry & Geophysics; počet citací: 23

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: 13

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

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

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

WoS: IF₂₀₁₃: 3,150; **Q1** (8/44) in Spectroscopy; počet citací: 40

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

WoS: IF₂₀₁₃: 2,139; **Q2** (56/174) in Geosciences, Multidisciplinary; počet citací: 14

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

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

WoS: IF₂₀₁₃: 3,383; **Q1** (3/44) in Geology; **Q1** (4/27) in Mineralogy; **Q1** (1/21) in Mining & Mineral Processing; počet citací: 35

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

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

WoS: IF₂₀₁₂: 1,802; **Q1** (11/47) in Geology; počet citací: 33

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

WoS: IF₂₀₁₂: 2,204; **Q2** (7/26) in Mineralogy; **Q2** (25/76) in Geochemistry & Geophysics; počet citací: 32

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: 25

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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: 23

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

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

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

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

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

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

Henry, D.J., Novák, M., Hawthorne, F.C., Ertl, A., Dutrow, B.L., Uher, P., Pezzotta, F. (2013): Nomenclature of the tourmaline-supergrupp 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: 13

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: 19

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

WoS: IF₂₀₁₂: 1,681; Q2 (9/26) in Mineralogy; Q2 (34/76) in Geochemistry & Geophysics; počet citací: 36

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

WoS: IF₂₀₁₂: 1,439; Q2 (24/83) in Anthropology; počet citací: 0

Novák, M., Ertl, A., Povondra, P., Vašinová Galiová, M., Rossman, G.R., Pristacz, H., Prem, M., Giester, G., Gadas, P., Škoda, R. (2013): Darrellhenryite, Na(LiAl₂)Al₆(BO₃)₃Si₆O₁₈(OH)₃O, a new mineral from the tourmaline supergroup. *American Mineralogist*, 98, 1886–1892. doi: 10.2138/am.2013.4416

WoS: IF₂₀₁₂: 2,204; Q2 (7/26) in Mineralogy; Q2 (25/76) in Geochemistry & Geophysics; počet citací: 18

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

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

Pánek, T., Smolková, V., Hradecký, J., Sedláček, J., Zernitskaya, V., Kadlec, J., Pazdur, A., Řehánek, T. (2013): Late-Holocene evolution of a floodplain impounded by the 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: 13

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

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

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

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

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

WoS: IF₂₀₁₂: 1,681; **Q2** (9/26) in Mineralogy; **Q2** (34/76) in Geochemistry & Geophysics; počet citací: 15

Plášil, J., Fejfarová, K., Hloušek, J., **Škoda, R.**, Novák, M., Sejkora, J., Čejka, J., Dušek M., Veselovský, F., Ondruš, P., Majzlan, J., Mrázek Z. (2013): Štěpíte, U(AsO₃OH)₂ · 4H₂O, from Jáchymov, Czech Republic: the first natural arsenate of tetravalent uranium. *Mineralogical Magazine*, 77, 1, 137–152. doi: 10.1180/minmag.2013.077.1.12

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

Plášil, J., Hloušek, J., **Škoda, R.**, Novák, M., Sejkora, J., Čejka, J., Veselovský, F., Majzlan, J. (2013): Vysokýite, U⁴⁺[AsO₂(OH)₂]₄ · 4H₂O, a new mineral from Jáchymov, Czech Republic. *Mineralogical Magazine*, 77, 8, 3055–3066. doi: 10.1180/minmag.2013.077.8.01

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

Plášil, J., Kampf, A., Kasatkin, A.V., Marty, J., **Škoda, R.**, Silva, S., Čejka, J. (2013): Meisserite, Na₅(UO₂)(SO₄)₃(SO₃OH)(H₂O), 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: 27

Plášil, J., Kasatkin, A.V., **Škoda, R.**, Novák, M., Kallistová, A., Dušek, M., Skála, R., Fejfarová, K., Čejka, J., Meisser, N., Goethals, H., Machovič, V., Lapčák, L. (2013): Leydetite, Fe(UO₂)(SO₄)₂(H₂O)₁₁, a new uranyl sulfate mineral from Mas d'Alary, Lodeve, France. *Mineralogical Magazine*, 77, 4, 429–441. doi: 10.1180/minmag.2013.077.4.03

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

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

WoS: IF₂₀₁₂: 1,445; **Q3** (120/210) in Environmental Sciences; **Q2** (86/172) in Geosciences, Multidisciplinary; **Q2** (35/80) Water Resources; počet citací: 20

Talla, D., Wildner, M., Beran, A., **Škoda, R.**, Losos, Z. (2013): On the presence of hydrous defects in differently coloured wulfenites (PbMoO₄): 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: 25

Vlačičky, M., Michalík, T., Nývltová Fišáková, M., Nývlt, D., Moravcová M., Králík, M., Kovanda, J., Pěková, 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: 18

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: 25

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: 54

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

WoS: IF₂₀₁₁: 2,423; Q1 (5/26) in Mineralogy; Q2 (21/176) in Geochemistry & Geophysics; počet citací: 154

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

WoS: IF₂₀₁₁: 2,906; Q1 (17/71) in Meteorology & Atmospheric Sciences; počet citací: 53

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

WoS: IF₂₀₁₁: 2,000; Q2 (48/170) in Geosciences, Multidisciplinary; počet citací: 29

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

WoS: IF₂₀₁₁: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 5

Filip, J., Bosi, F., Novák, M., Skogby, H., Tuček, J., Čuda, J., Wildner, M. (2012): Iron redox reactions in the tourmaline structure: High-temperature treatment of Fe³⁺-rich schorl. *Geochimica et Cosmochimica Acta*, 86, 239–256. doi: 10.1016/j.gca.2012.02.031

WoS: IF₂₀₁₁: 4,259; Q1 (3/76) in Geochemistry & Geophysics; počet citací: 55

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

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

Majzlan, J., Drahot, P., Filippi, M., Grevel, K.-D., Kahl, W.-A., Plášil, J., Boerio-Goates, J., Woodfield, B.F. (2012): Thermodynamic properties of scorodite and parascorodite ($FeAsO_4 \cdot 2H_2O$), kaňkite ($FeAsO_4 \cdot 3.5H_2O$), and $FeAsO_4$. *Hydrometallurgy*, 117-118, 47–56. doi: 10.1016/j.hydromet.2012.02.002

WoS: IF₂₀₁₁: 2,027; Q1 (5/75) in Metallurgy & Metallurgical Engineering; počet citací: 52

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

WoS: IF₂₀₁₁: 1,625; Q2 (101/205) in Environmental Sciences; Q3 (37/71) in Meteorology & Atmospheric Sciences; Q2 (24/78) in Water Resources; počet citací: 34

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

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

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

WoS: IF₂₀₁₁: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 20

Plášil, J., Hauser, J., Petříček, V., Meisser, N., Mills, S.J., **Škoda, R.**, Fejfarová, K., Čejka, J., Sejkora, J., Hloušek, J., Johannet, J.-M., Machovič, V., Lapčák, L. (2012): Crystal structure and formula revision of deliensite, $Fe[(UO_2)_2(SO_4)_2(OH)_2](H_2O)_7$. *Mineralogical Magazine*, 76, 2837–2860. doi: 10.1180/minmag.2012.076.7.14

WoS: IF₂₀₁₁: 1,321; Q2 (12/26) in Mineralogy; počet citací: 20

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

WoS: IF₂₀₁₁: 2,169; Q1 (6/26) in Mineralogy; Q2 (26/76) in Geochemistry & Geophysics; počet citací: 29

Slobodník, M., **Melichar, R.**, Hurai V., Bakker R. (2012): Litho-stratigraphic effect on Variscan fluid flow within the Prague synform, Barrandian: Evidence based on C, O, Sr isotopes and fluid inclusions. *Marine and Petroleum Geology*, 35, 128–138. doi: 10.1016/j.marpetgeo.2012.01.003

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

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

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

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

WoS: IF₂₀₁₁: 1,537; Q2 (13/47) in Geology; počet citací: 24

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

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

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

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

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

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

WoS: IF₂₀₁₀: 1,893; Q2 (12/32) in Soil Science; Q1 (13/76) in Water Resources; Q2 (55/167) in Geosciences, Multidisciplinary; počet citací: 42

Bábek, O., Chlachula, J., Matys Grygar, T. (2011): Non-magnetic indicators of pedogenesis related to loess magnetic enhancement and depletion: Examples from the Czech Republic and southern Siberia. *Quaternary Science Reviews*, 30, 7-8, 967–979. doi: 10.1016/j.quascirev.2011.01.009

WoS: IF₂₀₁₀: 4,567; **Q1** (2/42) in Geography, Physical; **Q1** (6/167) in Geosciences, Multidisciplinary; počet citací: 38

Čopjaková, R., Novák, M., Franců, E. (2011): Formation of authigenic monazite-(Ce) to monazite-(Nd) from Upper Carboniferous greywackes of the Drahaný Upland: roles of the chemical composition of host rock and burial temperature. *Lithos*, 127, 373–385. doi: 10.1016/j.lithos.2011.08.001

WoS: IF₂₀₁₀: 3,121; **Q1** (3/27) in Mineralogy; **Q1** (13/77) in Geochemistry & Geophysics; počet citací: 31

Henry, D., **Novák, M.**, Hawthorne, F.C., Ertl, A., Dutrow, B., Uher, P., Pezzotta, F. (2011): Nomenclature of the tourmaline supergroup-minerals. *American Mineralogist*, 96, 895–913. doi: 10.2138/am.2011.3636

WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 395

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: 24

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

WoS: IF₂₀₁₀: 1,202; **Q2** (24/48) in Paleontology; **Q3** (88/167) in Geosciences, Multidisciplinary; počet citací: 10

Kocourková, E., Sracek, O., Houzar, S., Cempírek, J., **Losos, Z.**, Filip, J., Hršelová, P. (2011): Geochemical and mineralogical control on the mobility of arsenic in waste rock pile at Dlouhá Ves, Czech Republic. *Journal of Geochemical Exploration*, 110, 61–73. doi: 10.1016/j.gexplo.2011.02.009

WoS: IF₂₀₁₀: 2,125; **Q2** (24/77) in Geochemistry & Geophysics; počet citací: 37

Kotková, J., O'Brien, P., Ziemann, M. (2011): Diamond and coesite discovered in Saxony-type granulite: Solution to the Variscan garnet peridotite enigma. *Geology*, 39, 7, 667–670. doi: 10.1130/G31971.1

WoS: IF₂₀₁₀: 4,026; **Q1** (1/48) in Geology; počet citací: 115

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: 50

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

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

WoS: IF₂₀₁₂: 2,676; **Q1** (3/18) in Limnology; **Q1** (44/193) in Environmental Sciences; **Q1** (24/167) in Geosciences, Multidisciplinary; počet citací: 21

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

WoS: IF₂₀₁₀: 2,026; **Q2** (7/27) in Mineralogy; **Q2** (27/77) in Geochemistry & Geophysics; počet citací: 36

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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)

Beran, A., **Talla, D.**, **Losos, Z.**, Pinkas, J. (2010): Traces of structural H₂O molecules in baryte. *Physics and Chemistry of Minerals*, 37, 3, 159–166. doi: 10.1007/s00269-009-0320-4

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

Bláha, L., Hilscherová, K., Čáp, T., Klánová, J., Machát, J., **Zeman, J.**, Holoubek, I. (2010): Kinetic bacterial bioluminescence assay for the contact sediment toxicity testing - relationships with the matrix composition and contamination. *Environmental Toxicology and Chemistry*, 29, 3, 507–514. doi: 10.1002/etc.81

WoS: IF₂₀₀₉: 2,565; **Q2** (28/77) in Toxicology; **Q1** (41/181) in Environmental Sciences; počet citací: 14

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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: 22

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

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

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

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

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

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

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

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

WoS: IF₂₀₀₉: 2,784; **Q1** (4/27) in Mineralogy; počet citací: 21

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: 58

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: 53

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

WoS: IF₂₀₀₉: 3,537; **Q1** (2/27) in Mineralogy; **Q1** (6/75) in Geochemistry & Geophysics; počet citací: 58

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: 56

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

WoS: IF₂₀₀₉: 2,059; **Q2** (39/155) in Geosciences, Multidisciplinary; počet citací: 56

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

WoS: IF₂₀₀₉: 2,905; **Q1** (32/181) in Environmental Sciences; počet citací: 19

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

WoS: IF₂₀₀₉: 1,290; **Q2** (13/27) in Mineralogy; počet citací: 30

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: 11

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: 34

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: 15

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: 7

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

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

WoS: IF₂₀₀₈: 1,238; Q2 (21/60) in Water Resources; Q2 (16/38) in Engineering, Environmental; Q3 (95/2163) in Environmental Sciences; Q3 (74//105) in Public, Environmental & Occupational Health; počet citací: 47

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: 15

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

WoS: IF₂₀₀₈: 1,779; Q2 (46/144) in Geosciences, Multidisciplinary; počet citací: 9

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

WoS: IF₂₀₀₈: 1,441; Q2 (13/31) in Soil Science; Q1 (14/60) in Water Resources; Q3 (82/163) in Environmental Sciences; počet citací: 13

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

WoS: IF₂₀₀₈: 2,037; Q1 (5/25) in Mineralogy; Q2 (20/64) in Geochemistry & Geophysics; počet citací: 28

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

WoS: IF₂₀₀₈: 1,225; Q1 (4/28) in Materials Science, Characterization & Testing; počet citací: 11

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

WoS: IF₂₀₀₈: 4,235; Q1 (3/64) in Geochemistry & Geophysics; počet citací: 25

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

WoS: IF₂₀₀₈: 2,961; Q1 (26/163) in Environmental Sciences; Q1 (16/144) in Geosciences, Multidisciplinary; počet citací: 13

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: 37

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: 58

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

WoS: IF₂₀₀₈: 1,225; Q1 (4/28) in Materials Science, Characterization & Testing; počet citací: 30

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: 22

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: 62

Cempírek, J., Houzar, S., **Novák, M.** (2008): Complexly zoned niobian titanite from hedenbergite skarn at Písek, Czech Republic constrained by substitutions Al(Nb,Ta) Ti₂, Al(F,OH) (TiO)₁ and Sn Ti₁. *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: 26

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

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

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

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

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

WoS: IF₂₀₀₇: 2,162; Q1 (4/40) in Paleontology; Q2 (8/31) in Geography, Physical; Q1 (28/137) in Geosciences, Multidisciplinary; počet citací: 158

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: 139

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: 16

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: 118

Novák, M., Johan, Z., **Škoda, R.**, Černý, P., Šrein, V., Veselovský, F. (2008): Primary oxide minerals in the system $WO_3 - Nb_2O_5 - TiO_2 - Fe_2O_3 - FeO$ and their breakdown products from the pegmatite No. 3 at Dolní Bory - Hatě, Czech Republic. *European Journal of Mineralogy*, 20, 4, 487–499. doi: 10.1127/0935-1221/2008/0020-1834

WoS: IF₂₀₀₇: 1,206; **Q2** (12/25) in Mineralogy; počet citací: 24

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

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

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

WoS: IF₂₀₀₇: 1,852; **Q1** (5/59) in Water Resources; **Q2** (49/160) in Environmental Sciences; **Q2** (38/137) in Geosciences, Multidisciplinary; počet citací: 61

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: 47

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

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

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

WoS: IF₂₀₀₆: 4,040; **Q1** (1/35) in Engineering, Environmental; **Q1** (4/144) in Environmental Sciences; počet citací: 94

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: 113

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

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

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

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

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

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

Vencelides, Z., **Sracek, O.**, Prommer, H. (2007): Modelling of iron cycling and its impact on the electron balance at a petroleum hydrocarbon contaminated site in 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: 144

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: 18

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

WoS: IF₂₀₀₅: 1,745; Q1 (4/57) in Water Resources; Q1 (1/80) in Engineering, Civil; Q1 (27/129) in Geosciences, Multidisciplinary; počet citací: 18

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

WoS: IF₂₀₀₅: 2,224; Q1 (22/140) in Environmental Sciences; počet citací: 206

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: 86

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

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

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

WoS: IF₂₀₀₅: 2,451; Q1 (17/140) in Environmental Sciences; počet citací: 113

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: 59

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

WoS: IF₂₀₀₅: 1,259; **Q2** (10/25) in Mineralogy; počet citací: 6

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

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

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

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

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

WoS: IF₂₀₀₅: 1,732; **Q2** (19/55) in Geochemistry & Geophysics; počet citací: 22

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: 251

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

WoS: IF₂₀₀₅: 1,299; **Q2** (46/129) in Geosciences, Multidisciplinary; počet citací: 179

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

WoS: IF₂₀₀₅: 1,939; **Q1** (3/17) in Limnology; **Q1** (2/57) in Water Resources; **Q1** (30/140) in Environmental Sciences; počet citací: 393

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: 11

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: 89

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: 50

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: 480

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: 69

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: nevedeno

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: 17

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: 68

Sejkora, J., Čejka, J., Hloušek, J., **Novák, M.**, Šrein, V. (2004): Phosphowalpurkite, the (PO₄)-dominant analogue of walpurkite, from Smrkovec, Slavkovský Les Mountains, Czech Republic. *Canadian Mineralogist*, 42, 4, 963–972. doi: 10.2113/gscanmin.42.4.963

WoS: IF₂₀₀₃: 1,046; **Q2** (12/24) in Mineralogy; počet citací: 11

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: 161

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: 112

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: 31

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: 39

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

WoS: IF₂₀₀₂: 1,243; **Q2** (20/51) in Geochemistry & Geophysics; počet citací: 6

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: 32

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: 50