

## Публикации 2021 г. в журналах в Q1 и Q2 в Web of Science Core Collection

1. Akhmetzhanov T.F., Pashkova G.V., **Chubarov V.**, Labutin T.A. and Popov A.M. Three calibration techniques combined with sample-effective design of experiment based on Latin hypercube sampling for direct detection of lanthanides in REE-rich ores using TXRF and WDXRF. *Journal of Analytical Atomic Spectrometry*. (2021). 36 (1): 224-232. DOI: 10.1039/D0JA00264J (01.01.2021) (ИФ = **4,023 Q2 Q1**)
2. Aksenov S.M., Ryanskaya A.D., Shchapova Yu.V., Chukanov N.V., **Vladykin N.V.**, Votyakov S.L. and Rastsvetaeva R.K. Crystal chemistry of lamprophyllite-group minerals from the Murun alkaline complex (Russia) and pegmatites of Rocky Boy and Gordon Butte (USA): single crystal X-ray diffraction and Raman Actaspectroscopy study. *Acta Crystallographica Section B Structural science, crystal engineering and materisls*. (2021). 77: 287-298 (2). DOI: 10.1107/S2052520621000354 (ИФ = **2,266 Q3 Q2**)
3. Ashchepkov I., Medvedev N., Ivanov A., **Vladykin N.**, Ntaflos T., Downes H., Saprykin A., Tolstov A., Vavilov M., Shmarov G. Deep mantle roots of the Zarnitsa kimberlite pipe, Siberian craton, Russia: Evidence for multistage polybaric interaction with mantle melts // *Journal of Asian Earth Sciences*, 2021, V. 213, Номер статьи: 104756, (15.06.2021) DOI: 10.1016/j.jseaes.2021.104756 (ИФ = **3,449 Q2**)
4. Ashchepkov I.V., **Vladykin N.V.**, Kalashnyk H.A., Medvedev N.S., Saprykin A.I., Downes H., Khmelnikova O.S. Incompatible element-enriched mantle lithosphere beneath kimberlitic pipes in Priazovie, Ukrainian shield: volatile-enriched focused melt flow and connection to mature crust?. *International Geology Review*. (2021). 63 (10): 1288-1309. (03.07.2021) DOI: 10.1080/00206814.2020.1761893 (ИФ = **3,958 Q1**)
5. **Belyaev V.A.**, **Gornova M.A.**, Gordienko I.V., **Karimov A.A.**, **Medvedev A.Y.**, Ivanov A.V., **Dril S.I.**, **Grigoriev D.A.**, **Belozeroва O.Y.** Late Cambrian calc-alkaline magmatism during transition from subduction to accretion: Insights from geochemistry of lamprophyre, dolerite and gabbro dikes in the Dzhida terrain, Central Asian orogenic belt. *Lithos*. (2021). 386-387: 106044, (04.2021), DOI: 10.1016/j.lithos.2021.106044 (ИФ = **4,004 Q1 Q1**)
6. **Bogdanov A.**, **Kaneva E.**, **Shendrik R.** New Insights into the Crystal Chemistry of Elpidite,  $\text{Na}_2\text{Zr}[\text{Si}_6\text{O}_{15}] \cdot 3\text{H}_2\text{O}$  and  $(\text{Na}_{1+Y}\text{Ca}_x\text{O}_{1-X-Y})_{\Sigma=2}\text{Zr}[\text{Si}_6\text{O}_{15}] \cdot (3-X)\text{H}_2\text{O}$ , and Ab Initio Modeling of IR Spectra. *Materials*. (2021). 14 (9): 2160. DOI: 10.3390/ma14092160 (ИФ = **3,623 Q2 Q2 Q1 Q2 Q2**)
7. Chayka I.F., Kamenetsky V.S., **Vladykin N.V.**, Kontonikas-Charos A., Prokopyev I.R., Stepanov S.Y., Krasheninnikov S.P. Origin of alkali-rich volcanic and alkali-poor intrusive carbonatites from a common parental magma. *Scientific Reports*. (2021). 11 (1): 17627 (01.12.2021) DOI: 10.1038/s41598-021-97014-y (ИФ = **4,376 Q1**)
8. **Chubarov V.M.**, Pashkova G.V., Panteeva S.V., **Amosova A.A.** Multielement analysis of continental and lacustrine ferromanganese nodules by WDXRF, TXRF, and ICP-MS methods. Intercomparison study and accuracy assessment. *Applied Radiation and Isotopes*. (2021). 178: 109981. (01.12.2021) DOI: 10.1016/j.apradiso.2021.109981. (ИФ = **1,513 Q3 Q2 Q4**)
9. Gantimurova S., **Parshin A.**, Erofeev V. GIS-based landslide susceptibility mapping of the circum-baikal railway in Russia using UAV data. *Remote Sensing*. (2021). 13 (18): 3629. (01.09.2021) DOI: 10.3390/rs13183629 (ИФ = **4,848 Q2 Q1 Q2 Q2**)
10. Grushko I.S., **Bychinskii V.A.**, **Chudnenko K.V.** Physicochemical Simulation of the Melting Process of Silicon-Containing Waste from the Energy Complex. *JOM* (2021) DOI: 10.1007/s11837-021-04820-w (Article In Press) (ИФ = **2,471 Q3 Q2 Q2 Q2**)
11. Gundacker S., Pots R.H., **Nepomnyashchikh A.**, **Radzhabov E.**, **Shendrik R.**, Omelkov S., Kirm M., Acerbi F., Capasso M., Paternoster G., Mazzi A., Gola A., Chen J. and Auffray E. Vacuum ultraviolet silicon photomultipliers applied to BaF<sub>2</sub> crossluminescence detection for high-rate ultrafast timing applications. *Phys. Med. Biol*. (2021). 66 (11): 114002 DOI: 10.1088/1361-6560/abf476 (07.06.2021) (ИФ = **3,609 Q2 Q2**)

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13. **Kaneva E., Radomskaya T., Shendrik R., Chubarov V.,** Danilovsky V. Potassic-Hastingsite from the Kedrovyy District (East Siberia, Russia): Petrographic Description, Crystal Chemistry, Spectroscopy, and Thermal Behavior. *Minerals*. (2021). 11(10): 1049. DOI: 10.3390/min11101049 (27.09.2021) (ИФ = **2,644 Q2 Q2 Q2**)
14. Kanygina N.A., Tretyakov A.A., Degtyarev K.E., Kovach V.P., **Skuzovatov S.Y.,** Pang K.-N., Wang K.-L., Lee H.-Y. Late Mesoproterozoic–early Neoproterozoic quartzite–schist sequences of the Aktau–Mointy terrane (Central Kazakhstan): Provenance, crustal evolution, and implications for paleotectonic reconstruction. *Precambrian Research*. (2021). 354: 106040 (01.03.2021) DOI: 10.1016/j.precamres.2020.106040 (ИФ = **4,725 Q1**)
15. Khanin V., Venevtsev I., Chernenko K., Pankratov V., Klementiev K., van Swieten T., van Bunningen A.J., Vrabel I., **Shendrik R.,** Ronda C., Rodnyi P., Meijerink A. Exciton interaction with Ce<sup>3+</sup> and Ce<sup>4+</sup> ions in (LuGd)<sub>3</sub>(Ga,Al)<sub>5</sub>O<sub>12</sub> ceramics. *Journal of Luminescence*. (2021). 237: 118150 (09.2021) DOI: 10.1016/j.jlumin.2021.118150 (ИФ = **3,599 Q1**)
16. Kobe F., Leipe C., **Shchetnikov<sup>5</sup> A.A.,** Hoelzmann P., Gliwa J., Olschewski P., Goslar T., Wagner M., **Bezrukova<sup>2</sup> E.V.,** Tarasov P.E. Not herbs and forbs alone: pollen-based evidence for the presence of boreal trees and shrubs in Cis-Baikal (Eastern Siberia) derived from the Last Glacial Maximum sediment of Lake Ochaul. *Journal of Quaternary Science*. (2021). (Ранний доступ: MAR 2021), DOI: 10.1002/jqs.3290. (ИФ = **2,738 Q2 Q3**)
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18. **Kostrova S.S.,** Biskaborn B.K., Pestryakova L.A., Fernandoy F., Baumer M., Meyer H. Climate and environmental changes of the Lateglacial transition and Holocene in northeastern Siberia: Evidence from diatom oxygen isotopes and assemblage composition at Lake Emanda. *Quaternary Science Reviews*. (2021). 259: 106905. DOI: 10.1016/j.quascirev.2021.106905 (01.05.2021) (ИФ = **4,112 Q1 Q2**)
19. Kuznetsov A.B., Kokh K.A., **Kaneva E.V.,** Svetlichnyi V.A., Kononova N.G., Shevchenko V.S., Rashchenko S.V. Kokh A.E. Study of an EuBO<sub>3</sub>-ScBO<sub>3</sub> system and EuSc<sub>3</sub>(BO<sub>3</sub>)<sub>4</sub>, EuSc(BO<sub>3</sub>)<sub>2</sub> orthoborates. *Dalton transactions*. (2021). 50 (39): 13894-13901. DOI: 10.1039/d1dt02477a Ранний доступ (01.09.2021) (ИФ = **4,390 Q1**)
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21. Maltsev A.S., **Chuparina E.V.,** Pashkova G.V., **Sokol'nikova J.V., Zarubina O.V.,** Shuliumova A.N. Features of sample preparation techniques in the total-reflection X-ray fluorescence analysis of tea leaves. *Food Chemistry*. (2021). 343: 128502. (01.05.2021) DOI: 10.1016/j.foodchem.2020.128502 (ИФ = **7,514 Q1 Q1 Q1**)
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26. **Peretyazhko I.S.**, **Savina E.A.**, Khromova E.A. Low-pressure (> 4 MPa) and high-temperature (> 1250 degrees C) incongruent melting of marly limestone: formation of carbonate melt and melilite-nepheline paralava in the Khamaryn-Khural-Khiid combustion metamorphic complex, East Mongolia. *Contributions to Mineralogy and Petrology*. (2021). 176 (5): 38. (05.2021) DOI: 10.1007/s00410-021-01794-5 (ИФ = **4,076 Q1 Q1**)
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33. **Skuzovatov S.**, Wang K.-L., Smelov A.P. Tracing the origin of zircon megacrysts in Triassic sediments of northeastern Siberian craton with implications to diamond paucity of craton-edge subcontinental lithospheric mantle. *Lithos*. (2021). 400-401: 106376 (01.11.2021) DOI: 10.1016/j.lithos.2021.106376. (ИФ = **4,004 Q1 Q1**)
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39. **Vladykin N.V.**, Pirajno F. Types of carbonatites: Geochemistry, genesis and mantle sources. *Lithos*. (2021). 386-387: 105982 (04.2021) DOI: 10.1016/j.lithos.2021.105982 (ИФ = **4,004 Q1 Q1**)
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