ПЕРЕЧЕНЬ НАУЧНЫХ ТРУДОВ

Верещагина Олега Сергеевича

в рамках цикла «Кристаллохимия ряда минералов переходных металлов, как основа для геологических реконструкций и создания новых материалов», представленного на Конкурс премий за научные труды СПбГУ

Общее количество работ – 12, за последние 5 лет – 9, в журналах Q1 – 6.

1. **Vereshchagin, O.S.,** Pankin, D.V., Smirnov, M.B., Vlasenko, N.S., Shilovskikh, V.V., Britvin, S.N. Raman spectroscopy: A promising tool for the characterization of transition metal phosphides (2021) Journal of Alloys and Compounds, 853, статья № 156468. DOI: 10.1016/j.jallcom.2020.156468, pure ID 61267047, Q1, IF=5.32, количество цитирований – 5.
2. **Vereshchagin, O.S**., Britvin, S.N., Wunder, B., Frank-Kamenetskaya, O.V., Wilke, F.D.H., Vlasenko, N.S., Shilovskikh, V.V., Bocharov, V.N., Danilov, D.V. Ln^{3+} (Ln^{3+} = La, Nd, Eu, Yb) incorporation in synthetic tourmaline analogues: Towards tourmaline REE pattern explanation (2021) Chemical Geology, 584, статья № 120526. DOI: 10.1016/j.chemgeo.2021.120526, pure ID 85871552, Q1, IF=4.01, количество цитирований – 2.
3. Chernyshova, I.A., **Vereshchagin, O.S**., Malyshkina, O.V., Goncharov, A.G., Kasatkin, I.A., Murashko, M.N., Zolotarev, A.A., Frank-Kamenetskaya, O.V. Tourmalines pyroelectric effect depending on the chemical composition and cation oxidation state (2021) Journal of Solid State Chemistry, 303, статья № 122512. DOI: 10.1016/j.jssc.2021.122512, pure ID 84592331, Q2, IF=3.50, количество цитирований – 3.
4. Britvin, S.N., **Vereshchagin, O.S.,** Shilovskikh, V.V., Krzhizhanovskaya, M.G., Gorelova, L.A., Vlasenko, N.S., Pakhomova, A.S., Zaitsev, A.N., Zolotarev, A.A., Bykov, M., Lozhkin, M.S., Nestola, F. Discovery of terrestrial allabogdanite $(Fe,Ni)_2P$, and the effect of Ni and Mo substitution on the barringerite-allabogdanite high-pressure transition (2021) American Mineralogist, 106 (6), pp. 944-952. DOI: 10.2138/am-2021-7621, pure ID 70122926, Q1, IF=3.00, количество цитирований – 2.
5. **Vereshchagin, O.S.,** Britvin, S.N., Perova, E.N., Brusnitsyn, A.I., Polekhovsky, Y.S., Shilovskikh, V.V., Bocharov, V.N., Burgt, A.V.D., Cuchet, S., Meisser, N. Gasparite-(La), $La(AsO_4)$, a new mineral from Mn ores of the Ushkatyn-III deposit, Central Kazakhstan, and metamorphic rocks of the Wanni glacier, Switzerland (2019) American Mineralogist, 104 (10), pp. 1469-1480. DOI: 10.2138/am-2019-7028, pure ID 46374167, Q1, IF=3.00, количество цитирований – 5.

6. **Vereshchagin, O.S.,** Perova, E.N., Brusnitsyn, A.I., Ershova, V.B., Khudoley, A.K., Shilovskikh, V.V., Molchanova, E.V. Ferro-manganese nodules from the Kara Sea: Mineralogy, geochemistry and genesis (2019) Ore Geology Reviews, 106, pp. 192-204. DOI: 10.1016/j.oregeorev.2019.01.023, pure ID 38225874, Q1, IF=3.81, количество цитирований – 16.

7. **Vereshchagin, O.S.**, Frank-Kamenetskaya, O.V., Rozhdestvenskaya, I.V., Zolotarev, A.A. Incorporation of 3d elements in tourmalines: Structural adjustments and stability (2018) European Journal of Mineralogy, 30 (5), pp. 917-928. DOI: 10.1127/ejm/2018/0030-2781, pure ID 36107895, Q2, IF=1.57, количество цитирований – 5.

8. **Vereshchagin, O.S**., Khudoley, A.K., Ershova, V.B., Prokopiev, A.V., Schneider, G.V. Provenance of jurassic–cretaceous siliciclastic rocks from the northern Siberian Craton: An integrated heavy mineral study (2018) Journal of Geosciences (Czech Republic), 63 (2), pp. 199-213. DOI: 10.3190/jgeosci.264, pure ID 28864613, Q2, IF=1.52, количество цитирований – 4.

9. Setkova, T.V., Balitsky, V.S., **Vereschagin, O.S.**, Shapovalov, Y.B. Hydrothermal synthesis and morphology of Ga-bearing tourmaline (2017) Doklady Earth Sciences, 473 (2), pp. 419-422. DOI: 10.1134/S1028334X17040055, pure ID 7748148, Q3, IF=0.53, количество цитирований – 3.

10. **Vereshchagin, O.S.**, Frank-Kamenetskaya, O.V., Rozhdestvenskaya, I.V. Crystal structure and stability of Ni-rich synthetic tourmaline. Distribution of divalent transition-metal cations over octahedral positions (2015) Mineralogical Magazine, 79 (4), pp. 997-1006. DOI: 10.1180/minmag.2015.079.4.09, pure ID 13883052, Q2 IF=1.81, количество цитирований – 11.

11. **Vereshchagin, O.S.**, Rozhdestvenskaya, I.V., Frank-Kamenetskaya, O.V., Zolotarev, A.A. Ion substitutions and structural adjustment in Cr-bearing tourmalines (2014) European Journal of Mineralogy, 26 (2), pp. 309-321. DOI: 10.1127/0935-1221/2014/0026-2372, pure ID 7002442, Q2, IF=1.57, количество цитирований – 12.

12. **Vereshchagin, O.S.**, Rozhdestvenskaya, I.V., Frank-Kamenetskaya, O.V., Zolotarev, A.A., Mashkovtsev, R.I. Crystal chemistry of Cu-bearing tourmalines (2013) American Mineralogist, 98 (8-9), pp. 1610-1616. DOI: 10.2138/am.2013.4408, pure ID 7379444, Q1, IF=3.00, количество цитирований – 12.