

Перечень научных трудов:

1. **Gorelova L.A.**, Pakhomova A.S., Krzhizhanovskaya M.G., Winkler B., Krivovichev S.V., Dubrovinsky L.S. Pressure-induced phase transitions in danburite-type borosilicates // *J. Phys. Chem. C*. 2020, Vol. 124, N 47, P. 26048–26061.
DOI: 10.1021/acs.jpcc.0c08616.
IF: 4.126, Q1, SJR 1.4, цитирования – 1.
2. Pakhomova A., Simonova D., Koemets I., Koemets E., Aprilis G., Bykov M., **Gorelova L.**, Fedotenko T., Prakapenka V., Dubrovinsky L. Polymorphism of feldspars above 10 GPa // *Nat. Comm.* 2020, Vol. 11, P. 2721.
DOI: 10.1038/s41467-020-16547-4
IF: 15.805, Q1, SJR 5.56, цитирования – 4.
3. **Gorelova L.**, Vereshchagin O., Cuchet S., Shilovskikh V., Pankin D. Low-temperature crystal chemistry of hingganite-(Y), from the Wannli Glacier, Switzerland // *Minerals*. 2020, Vol. 10, N 4, P. 322.
DOI: 10.3390/min10040322
IF: 2.644, Q2, SJR 0.52, цитирования – 2.
4. **Gorelova L.A.**, Pakhomova A.S., Krivovichev S.V., Kasatkin A.V., Dubrovinsky L.S. Compressibility of hingganite-(Y): high-pressure single crystal X-ray diffraction study // *Phys. Chem. Miner.* 2020, Vol. 47, P. 22.
DOI: 10.1007/s00269-020-01090-x
IF: 1.467, Q2, SJR 0.48, цитирования – 2.
5. **Gorelova L.A.**, Pakhomova A.S., Krivovichev S.V., Dubrovinsky L.S., Kasatkin A.V. High pressure phase transitions of paracelsian $\text{BaAl}_2\text{Si}_2\text{O}_8$ // *Sci. Rep.* 2019, Vol. 9, P. 12652.
DOI: 10.1038/s41598-019-49112-1
IF: 5.133, Q1, SJR 1.24, цитирования – 7.
6. Pakhomova A., Aprilis G., Bykov M., **Gorelova L.**, Schuelter Jo., Krivovichev S., Dubrovinsky L. Penta- and hexa-coordinated Be and P in high-pressure modifications of hurlbutite, $\text{CaBe}_2\text{P}_2\text{O}_8$ // *Nat. Comm.* 2019, Vol. 10, P. 2800.
DOI: 10.1038/s41467-019-10589-z
IF: 15.805, Q1, SJR 5.56, цитирования – 10.
7. **Gorelova L.A.**, Pakhomova A.S., Aprilis G., Krivovichev S.V., Dubrovinsky L. Pentacoordinated silicon in the high-pressure modifications of datolite // *Inorg. Chem. Front.* 2018, Vol. 5, P. 1653–1660.
DOI: 10.1039/C8QI00257F
IF: 6.569, Q1, SJR 1.42, цитирования – 7.

8. Krzhizhanovskaya M.G., **Gorelova L.A.**, Bubnova R.S., Pekov I.V., Krivovichev S.V. High-temperature crystal chemistry of layer calcium borosilicates: $\text{CaBSiO}_4(\text{OH})$ (datolite), $\text{Ca}_4\text{B}_5\text{Si}_3\text{O}_{15}(\text{OH})_5$ ('bakerite') and $\text{Ca}_2\text{B}_2\text{SiO}_7$ (synthetic analogue of okayamalite) // *Phys. Chem. Mineral.* 2018, Vol. 45, P. 463–473.
DOI: 10.1007/s00269-017-0933-y
IF: 1.467, Q2, SJR 0.48, цитирования – 11.
9. Pakhomova A., Bykova E., Bykov M., Glazyrin K., Gasharova B., Liermann H.-P., **Gorelova L.**, Krivovichev S., Dubrovinsky L. A closer look into close packing: pentacoordinated silicon in a high-pressure polymorph of danburite // *IUCrJ.* 2017, Vol. 4, P. 671–677.
DOI: 10.1107/S2052252517010612
IF: 4.769, Q1, SJR 2.83, цитирования – 15.