

## Список публикаций за 2015-2023 гг.

1. S.E. Kichanov, N.M. Belozeroва, Z. Jirak, D.P. Kozlenko, M. Kacenka, O. Kaman, E.V. Lukin, B.N. Savenko, "High pressure effects on the crystal and magnetic structure of nanostructured manganites  $\text{La}_{0.63}\text{Sr}_{0.37}\text{MnO}_3$  and  $\text{La}_{0.72}\text{Sr}_{0.28}\text{MnO}_3$ ", *Journal of Alloys and Compounds*; 646: 998-1003 (2015). <https://doi.org/10.1016/j.jallcom.2015.06.154>
2. Z. Jirak, M. Kačenka, O. Kaman, M. Marysko, N.M. Belozeroва, S.E. Kichanov, D.P. Kozlenko, "Role of Surface on Magnetic Properties of  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3+\delta}$  Nanocrystallites", *IEEE Transactions on Magnetics*; 51(11): 1-4 (2015). <https://doi.org/10.1109/TMAG.2015.2433267>
3. N.M. Belozeroва, S.E. Kichanov, D.P. Kozlenko, O. Kaman, Z. Jirak, "Core-Shell Magnetic Structure of  $\text{La}_{1-x}\text{Sr}_x\text{MnO}_{3+\delta}$  Nanocrystallites", *IEEE Transactions on Magnetics*; 53(11):1-4 (2017). <https://doi.org/10.1109/TMAG.2017.2700394>
4. S.E. Kichanov, D.P. Kozlenko, N.M. Belozeroва, S.H. Jabarov, R.Z. Mehdiyeva, E.V. Lukin, A.I. Mammadov, H.-P. Liermann, W. Morgenroth, L.S. Dubrovinsky, B.N. Savenko, I.P. Raevskii, N.T. Dang, "An intermediate antipolar phase in  $\text{NaNbO}_3$  under compression", *Ferroelectrics* 520(1): 22-33 (2017). <https://doi.org/10.1080/00150193.2017.1374801>
5. D.P. Kozlenko, N.M. Belozeroва, S.S. Ata-Allah, S.E. Kichanov, M. Yehia, A. Hashhash, E.V. Lukin, B.N. Savenko, "Neutron diffraction study of the pressure and temperature dependence of the crystal and magnetic structures of  $\text{Zn}_{0.3}\text{Cu}_{0.7}\text{Fe}_{1.5}\text{Ga}_{0.5}\text{O}_4$  polycrystalline ferrite", *Journal of Magnetism and Magnetic Materials*; 449:44-48 (2018). <https://doi.org/10.1016/j.jmmm.2017.09.080>
6. S.E. Kichanov, D.P. Kozlenko, A.K. Kirillov, E.V. Lukin, B. Abdurakhimov, N.M. Belozeroва, A.V. Rutkauskas, T.I. Ivankina, B.N. Savenko, "A structural insight into the Chelyabinsk meteorite: neutron diffraction, tomography and Raman spectroscopy study", *SN Applied Sciences* 1(12): 1563 (2019). <https://doi.org/10.1007/s42452-019-1614-x>
7. S.E. Kichanov, S. Dyussebekova, J. Waścicki, W. Nawrocik, D.P. Kozlenko, N.M. Belozeroва, B.N. Savenko, "A high pressure effect on the vibrational spectra of ranitidine hydrochloride", *Journal of Molecular Structure* 1218: 128515 (2020). <https://doi.org/10.1016/j.molstruc.2020.128515>
8. N.M. Belozeroва, P. Bilski, M. Jarek, J. Jencyk, S.E. Kichanov, D.P. Kozlenko, J. Mielcarek, A. Pajzderska, J. Waścicki, "Exploring the Molecular Reorientations in Amorphous Rosuvastatin Calcium", *RSC Advances* 10(55): 33585-33594 (2020). <https://doi.org/10.1039/D0RA06108E>
9. N.M. Belozeroва, S.E. Kichanov, D.P. Kozlenko, O. Kaman, Z. Jiráček, E.V. Lukin, B.N. Savenko, "Neutron diffraction study of the crystal and magnetic structures of nanostructured  $\text{Zn}_{0.34}\text{Fe}_{2.53}\text{O}_4$  ferrite", *Journal of Nanoparticle Research* 22(5): 1-9 (2020). <https://doi.org/10.1007/s11051-020-04852-4>
10. N.M. Belozeroва, S.E. Kichanov, Z. Jiráček, D.P. Kozlenko, O. Kaman, E.V. Lukin, B.N. Savenko, "The crystal and magnetic structure of nanostructured manganite  $\text{La}_{0.53}\text{Sr}_{0.47}\text{MnO}_3$  at high pressure", *Materials Chemistry and Physics* 262: 124310 (2021). <https://doi.org/10.1016/j.matchemphys.2021.124310>
11. B. Abdurakhimov, S.E. Kichanov, C. Talmaçchi, D.P. Kozlenko, G-M. Talmaçchi, N.M. Belozeroва, M. Bălăsoiu, M. Belc, "Studies of the ancient pottery fragments from Dobrudja region of Romania using neutron diffraction, tomography and Raman spectroscopy", *Journal of Archaeological Science: Reports* 35: 102755 (2021). <https://doi.org/10.1016/j.jasrep.2020.102755>
12. D.P. Kozlenko, O.N. Lis, S.E. Kichanov, E.V. Lukin, N.M. Belozeroва, B.N. Savenko, "Spin-induced negative thermal expansion and spin-phonon coupling in van der Waals material  $\text{CrBr}_3$ ", *npj Quantum Materials* 6(1): 1-5 (2021). <https://doi.org/10.1038/s41535-021-00318-5>
13. O.N. Lis, S.E. Kichanov, D.P. Kozlenko, N.M. Belozeroва, E.V. Lukin, S. Balakumar, B.N. Savenko, "Pressure-induced structural phase transitions in bismuth tungstate  $\text{Bi}_2\text{WO}_6$ ", *Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials* 77 (4): 488-494 (2021). <https://doi.org/10.1107/S2052520621005175>