

- [1] V. V Novikov, A. V Matovnikov, D. V Avdashchenko, N. V Mitroshenkov, E. Dikarev, S. Takamizawa, et al., Low-temperature structure and lattice dynamics of the thermoelectric clathrate Sn₂₄P_{19.3}I₈, *J. Alloys Compd.* 520 (2012) 174–179.
doi:<http://dx.doi.org/10.1016/j.jallcom.2011.12.171>.
- [2] V. Novikov, A. Morozov, A.V. Matovnikov, N.V. Mitroshenkov, D.V. Avdashchenko, S.V. Kuznetsov, et al., The properties of lattice, electronic and magnetic subsystems of erbium tetraboride based on calorimetric data at temperatures of 2–300K, *J. Alloys Compd.* 581 (2013) 431–434. doi:[10.1016/j.jallcom.2013.07.074](https://doi.org/10.1016/j.jallcom.2013.07.074).
- [3] V.V. Novikov, D.V. Avdashchenko, S.L. Bud'ko, N.V. Mitroshenkov, a. V. Matovnikov, H. Kim, et al., Spin glass and glass-like lattice behaviour in HoB₆₆ at low temperatures, *Philos. Mag.* 93 (2013) 1110–1123. doi:[10.1080/14786435.2012.739291](https://doi.org/10.1080/14786435.2012.739291).
- [4] H. Kim, S.L. Bud'ko, M. a. Tanatar, D. V. Avdashchenko, a. V. Matovnikov, N. V. Mitroshenkov, et al., Magnetic Properties of RB₆₆ (R = Gd, Tb, Ho, Er, and Lu), *J. Supercond. Nov. Magn.* 25 (2012) 2371–2375. doi:[10.1007/s10948-012-1610-5](https://doi.org/10.1007/s10948-012-1610-5).
- [5] V. V Novikov, D. V Avdashchenko, A. V Matovnikov, N. V Mitroshenkov, S.L. Bud'ko, Heat capacity and thermal expansion of icosahedral lutetium boride LuB₆₆, *J. Therm. Anal. Calorim.* (2014) 1–5. doi:[10.1007/s10973-013-3593-2](https://doi.org/10.1007/s10973-013-3593-2).
- [6] V. V. Novikov, N. V. Mitroshenkov, A. V. Morozov, A. V. Matovnikov, D. V. Avdashchenko, Heat capacity and thermal expansion of gadolinium tetraboride at low temperatures, *J. Appl. Phys.* 111 (2012) 063907. doi:[10.1063/1.3694029](https://doi.org/10.1063/1.3694029).
- [7] В.В. Новиков, Н.В. Митрошенков, И.Г. Петровского, Тепловое расширение тетраборида диспрозия, *ФТТ.* 53 (2012) 1116–1119.
- [8] Thermal properties of TbB₄, *J. Therm. Anal. Calorim.* (2012).
- [9] H. Kim, S.L. Bud'ko, M. a. Tanatar, D. V. Avdashchenko, a. V. Matovnikov, N. V. Mitroshenkov, et al., Magnetic Properties of RB₆₆ (R = Gd, Tb, Ho, Er, and Lu), *J. Supercond. Nov. Magn.* 25 (2012) 2371–2375. doi:[10.1007/s10948-012-1610-5](https://doi.org/10.1007/s10948-012-1610-5).
- [10] В.В. Новиков, Д.В. Авдащенко, Н.В. Митрошенков, А.В. Матовников, С.Л. Будько, Термическое расширение и динамика решетки соединений R B 66 при низких температурах, (2014) 2004–2010.
- [11] V. V. Novikov, N. V. Mitroshenkov, Thermal expansion of dysprosium tetraboride, *Phys. Solid State.* 54 (2012) 1186–1190. doi:[10.1134/S1063783412060261](https://doi.org/10.1134/S1063783412060261).
- [12] V. V. Novikov, N. V. Mitroshenkov, a. V. Morozov, a. V. Matovnikov, D. V. Avdashchenko, Thermal properties of TbB₄, *J. Therm. Anal. Calorim.* 113 (2012) 779–785. doi:[10.1007/s10973-012-2814-4](https://doi.org/10.1007/s10973-012-2814-4).
- [13] V. V. Novikov, N. V. Mitroshenkov, A. V. Morozov, A. V. Matovnikov, D. V. Avdashchenko, Heat capacity and thermal expansion of gadolinium tetraboride at low temperatures, *J. Appl. Phys.* 111 (2012) 063907. doi:[10.1063/1.3694029](https://doi.org/10.1063/1.3694029).
- [14] V.V. Novikov, N.V. Mitroshenkov, a. V. Matovnikov, D.V. Avdashchenko, a. V. Morozov, L.M. Pavlova, et al., Low-temperature thermal properties and features of the phonon

spectrum of lutetium tetraboride, J. Alloys Compd. 613 (2014) 170–174.
doi:10.1016/j.jallcom.2014.06.030.