

## **Цикл работ «Сплавы с эффектом памяти формы как материалы для линейных приводов»**

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Цикл включает в себя восемь работ:

1 S. Belyaev, N. Resnina, A. Sibirev, I. Lomakin, Variation in kinetics of martensitic transformation during partial thermal cycling of the TiNi alloy, *Thermochim. Acta.* 582 (2014) 46–52. doi:10.1016/j.tca.2014.03.002. (Q1) SJR (2018) = 0.72 JCR IF (2018) = 2.251

2 S. Belyaev, N. Resnina, A. Sibirev, Accumulation of Residual Strain in TiNi Alloy During Thermal Cycling, *J. Mater. Eng. Perform.* 23 (2014) 2339–2342. doi:10.1007/s11665-014-0982-z. (Q2) SJR (2018) = 0.54 JCR IF (2018) = 1.476

3 A. Sibirev, S. Belyaev, N. Resnina, Softening process during reverse martensitic transformation in TiNi shape memory alloy, *J. Alloys Compd.* 661 (2016) 155–160. Doi:10.1016/j.jallcom.2015.11.180. (Q1) SJR (2018) = 1.07 JCR IF (2018) = 4.175

4 N. Resnina, A. Sibirev, S. Belyaev, A. Gracheva, The effect of isothermal holding on reversible and irreversible strain in TiNi shape memory alloy, in: *Mater. Today Proc.*, 2017. doi:10.1016/j.matpr.2017.04.064. SJR (2018) = 0.3

5 A. Sibirev, N. Resnina, A. Volkov, S. Belyaev, Simulation of plastic strain accumulation during thermal cycling of TiNi alloy, in: *Mater. Today Proc.*, 2017. doi:10.1016/j.matpr.2017.04.063. SJR (2018) = 0.3

6 S. Belyaev, N. Resnina, V. Nikolaev, R. Timashov, A. Gazizullina, A. Sibirev, et al., Shape memory effects in [001] Ni<sub>55</sub>Fe<sub>18</sub>Ga<sub>27</sub> single crystal, *Smart Mater. Struct.* 26 (2017). doi:10.1088/1361-665X/aa80c8. (Q1) SJR (2018) = 1.08 JCR IF (2018) = 3.543

7 S. Belyaev, V. Rubanik, N. Resnina, V. Rubanik, A. Sibirev, A. Lesota, Initiation of recoverable strain variation in shape memory bimetal strips by ultrasonic vibrations, *Mater. Lett.* 214 (2018). doi:10.1016/j.matlet.2017.11.132. (Q1) SJR (2018) = 0.77 JCR IF (2018) = 3.019

8. A. Sibirev, S. Belyaev, N. Resnina Variation in TiNi Alloy Properties on Room Temperature Holding *Acta Physica Polonica A.* 671-674 (2018) <https://doi.org/10.12693/APhysPolA.134.671> (Q3) SJR (2018) = 0.22 JCR IF (2018) = 0.545