

Сведения о ведущей организации

Полное наименование организации	Федеральное государственное автономное образовательное учреждение высшего образования «Национальный исследовательский Томский государственный университет»
Сокращенное наименование организации	Национальный исследовательский Томский государственный университет, Томский государственный университет, НИ ТГУ, ТТУ
Фамилия, имя, отчество руководителя организации	Галажинский Эдуард Владимирович
Должность руководителя организации	Ректор
Почтовый адрес	634050, Томск, пр. Ленина, 36
Телефон	+7 (3822) 529-585
Адрес официального сайта в сети «Интернет»	https://www.tsu.ru/
Адрес электронной почты	rector@tsu.ru
Основные публикации работников организации по теме диссертации в рецензируемых научных изданиях за последние 5 лет (не менее 5 с указанием даты и номера пункта Перечня ВАК* или международной базы данных с учётом соответствия публикации научной специальности диссертации соискателя ученой степени) https://spmi.ru/recenziruemye-izdaniya	<ol style="list-style-type: none"> 1. Marchenko E. S. Plasticity of Porous NiTi Alloys Obtained by Self-propagating High-temperature Synthesis in Closed and Open Gas Flow Reactors / E.S. Marchenko, Y.F. Yasenchuk, O. Mamazakirov, A. A. Klopotov, G.A. Baigonakova, A.A. Volinsky, S.V. Gunter // <i>Materials and Manufacturing Processes</i>. – 2023. – Т. 38. – №. 6. – С. 659-667. DOI: 10.1080/10426914.2023.2165665 (Scopus) 2. Marchenko E.S. Reaction synthesis of gradient coatings by annealing of three-layer Ti–Ni–Ti nanolaminate magnetron sputtered on the TiNi substrate / Marchenko E.S., Baigonakova G.A., Dubovikov K.M. et al. // <i>Surfaces and Interfaces</i>. – 2021. – V. 24. – P. 101111. DOI: 10.1016/j.surfin.2021.101111 (Scopus) 3. Marchenko E. Gradient crystalline coating on a biomedical TiNi alloy prepared by magnetron sputtering and annealing / Marchenko E., Baigonakova G., Yasenchuk Y. // <i>Vacuum</i>. – 2020. – V. 181. – P. 109652. DOI: 10.1016/j.vacuum.2020.109652 (Scopus) 4. Timofeeva E.E. On the stress-temperature dependences in TiNi-based shape memory alloys / Timofeeva E.E., Panchenko E.Yu., Marchenko E.S. et al. // <i>Journal of Alloys and Compounds</i>. - 2022. - V. 905. - P. 164227. DOI: 10.1016/j.jallcom.2022.164227 (Scopus) 5. Gunther S. Shell structure of the porous TiNi-framework obtained by the SHS method / Gyunter S., Marchenko E., Baigonakova G. et al. // <i>IOP Conference Series: Materials Science and Engineering</i>. – IOP Publishing, 2020. – V. 876., N. 1. – P. 012002. DOI: 10.1088/1757-899X/876/1/012002 (Scopus) 6. Gunther V. Formation of pores and amorphous-nanocrystalline phases in porous TiNi alloys made by self-propagating high-temperature synthesis (SHS) / Gunther V.E., Yasenchuk Yu.F., Marchenko E.S. et al. // <i>Advanced</i>

Powder Technology. – 2019. – V. 30., N. 4. – P. 673-680.

DOI: 10.1016/j.appt.2018.12.011 (Scopus)

7. Kokorev O.V. Metal-Glass-Ceramic Phases on the Surface of Porous TiNi-Based SHS-Material for Carriers of Cells / Kokorev O.V., Khodorenko V.N., Baigonakova G.A., Marchenko E.S. et al. // Russian Physics Journal. - 2019. - V. 61, № 9. - P. 1734–1738. DOI: 10.1007/s11182-018-1594-0 (WoS, Scopus).

8. Tagiltsev A.I. The effect of stress-induced martensite aging in tension and compression on B2–B19' martensitic transformation in Ni_{50.3}Ti_{32.2}Hf_{17.5} high-temperature shape memory alloy / A.I. Tagiltsev, E.Yu. Panchenko, E.E. Timofeeva, Yu.I. Chumlyakov, I.D. Fatkullin, E.S. Marchenko, I. Karaman // Smart Materials and Structures. – 2021. – T. 30. – №. 2. – C. 025039. DOI 10.1088/1361-665X/abdaa8 (Scopus)

9. Yasenchuk Yu.F. Formation of mineral phases in self-propagating high-temperature synthesis (SHS) of porous TiNi alloy / Yu.F. Yasenchuk, V.E. Gunther, E.S. Marchenko, T.L. Chekalkin, G.A. Baigonakova, V.N. Khodorenko, S.V. Gyunter, J.H. Kang, S. Weiss, A. Obrosof // Materials Research Express. – 2019. – T. 6. – №. 5. – C. 1-13. DOI 10.1088/2053-1591/ab01a1 (Scopus)

10. Yasenchuk Yu.F. Biocompatibility and clinical application of porous TiNi alloys made by self-propagating high-temperature synthesis (SHS) / Yu.F. Yasenchuk, E.S. Marchenko, V.E. Gunther, A.A. Radkevich, S.V. Gyunter, G.A. Baigonakova, V.N. Khodorenko, T.L. Chekalkin, J.H. Kang, S. Weiss, A. Obrosof // Materials. – 2019. – T. 12. – №. 15. – C. 1-25 DOI:10.3390/ma12152405 (Scopus)

11. Gunther V.E. Biocompatibility of porous SHS-TiNi / V.E. Gunther, Yu.F. Yasenchuk, S.V. Gyunter, E.S. Marchenko, M.M. Iuzhakov // Materials Science Forum. – Trans Tech Publications Ltd, 2019. – T. 970. – C. 320-327. DOI:10.4028/www.scientific.net/MSF.970.320 (Scopus)

12. Marchenko E.S. Structural-phase surface composition of porous TiNi produced by SHS / E.S. Marchenko, Yu.F. Yasenchuk, S.V. Gyunter, G.A. Baigonakova, V.E. Gunther, T.L. Chekalkin, S. Weiss, A. Obrosof, K.M. Dubovikov // Materials Research Express. – 2019. – T. 6. – №. 11. – C. 1165-1175. DOI: 10.1088/2053-1591/ab4e32 (Scopus)

13. Marchenko E.S. Study of macroplastic flow in surface layers of porous SHS-TiNi by digital image correlation / E.S. Marchenko, Yu.F. Yasenchuk, A.A. Klopotov, A.M. Ustinov, Yu.A. Abzaev, A.V. Vetrova, T.L. Chekalkin, A. Obrosof // ISSS Journal of Micro and Smart Systems. – 2022. – № 11, C. 343–347. DOI: 10.1007/s41683-022-00104-w (Springer)

14. Yasenchuk Yu.F. Study on tensile, bending, fatigue, and in vivo behavior of porous SHS–TiNi alloy used as a bone substitute / Yu.F. Yasenchuk, E.S. Marchenko, G.A. Baigonakova, S.V. Gyunter, O.V. Kokorev,

V.E. Gunther, T.L. Chekalkin, E.B. Topofnickij, A. Obrosova, J.H. Kang // Biomedical Materials. – 2021. – T. 16. – №. 2. – C. 021001. DOI: 10.1088/1748-605X/aba327 (Scopus)

15. Marchenko E.S. The comparative structural-phase analysis of the surface of macro and microporous SHS TiNi / E.S. Marchenko, Yu.F. Yasenchuk, V.E. Gunther, K.M. Dubovikov, V.N. Khodorenko // ASM International-International Conference on Shape Memory and Superelastic Technologies, SMST 2019. – 2019. – C. 57-58 (Scopus)