ПУБЛИКАЦИИ ВЕРШИНИНОЙ Т.Н. ЗА ПОСЛЕДНИЕ 5 ЛЕТ

1. Vershinina T.N., Bobrikov I.A., Sumnikov S.V., Boev A.O., A.M. Balagurov, Mohamed A.K., Golovin I.S., Crystal structure and phase composition evolution during heat treatment of Fe-45Ga alloy, Intermetallics, 2021, 131 (1–5), 107110, doi:[10.1016/j.intermet.2021.107110](https://www.researchgate.net/deref/http%3A%2F%2Fdx.doi.org%2F10.1016%2Fj.intermet.2021.107110?_sg%5B0%5D=uTllCQCJhA0v9f7hynpULtp1zof-JEnZA4_GVs1yYMCUwPvEC34CxiNj68DOL6zMbYU3atDL-xw90FJpI9fz1ZolYw.Ocm5bAnE83wVL7aGdXwmt0l7l0ygLMNsh-JhbWBhrZ6RvFuLUvEegU0Bl4c168EtB3jg1a8NsIFIKWDE_7kUhQ) Q1
2. Zubar T., Grabchikov S., Kotelnikova A., Kaniukov E., Kutuzau M., Leistner K., Nielsch K., Vershinina T., Tishkevich D., Kanafyev O., Kozlovskiy A., Zdorovets M., Fedosyuk V., Trukhanov A. Efficiency of magnetostatic protection using nanostructured permalloy shielding coatings depending on their microstructure, Nanomaterials, 2021, 11, 634. <https://doi.org/10.3390/nano11030634>. Q1
3. Vershinina T.N., Ivanov M.B., Rimsha P.B., The effect of carbon on phase composition and microstructure of cermets based on Mo2NiB2 boride, International Journal of Refractory Metals and Hard Materials, 100 (2021) 105650, https://doi.org/[10.1016/j.ijrmhm.2021.105650](http://dx.doi.org/10.1016/j.ijrmhm.2021.105650). Q1
4. Vershinina T.N., Bobrikov I.A., Sumnikov S.V., A.M. Balagurov, Mohamed A.K., Golovin I.S. Structure evolution of as-cast metastable Fe-38Ga alloy towards equilibrium, Journal of Alloys and Compounds, 889 (2022) 161782, <https://doi.org/10.1016/j.jallcom.2021.161782>. Q1
5. Ghyngazov S.А., Boltueva V.А., O'Connell J.H., Vershinina T.N., Kirilkin N.S., Rymzhanov R.A., [Skuratov V.A.,](https://www.sciencedirect.com/science/article/abs/pii/S0969806X21005673?via%3Dihub#!) Surzhikov А.P. Swift heavy ion induced phase transformations in partially stabilized ZrO2, Radiation Physics and Chemistry, 192 (2022) 109917, <https://doi.org/10.1016/j.radphyschem.2021.109917>. Q2
6. Mohamed A.K., Palacheva V.V., Cheverikin V.V., Vershinina T.N., Balagurov A.M., Muralikrishna G.M., Esakkiraja N., Divinski S.V., Wilde G., Golovin I.S. Low-temperature metastable-to-equilibrium phase transitions in Fe–Ga alloys, Intermetallics, 145 (2022) 107540 , <https://doi.org/10.1016/j.intermet.2022.107540>. Q1
7. [Vershinina T.N.](https://www.sciencedirect.com/science/article/pii/S0272884222012573?via%3Dihub#!), [Zarya M.D.](https://www.sciencedirect.com/science/article/pii/S0272884222012573?via%3Dihub#!), [Korneeva E.A.,](https://www.sciencedirect.com/science/article/pii/S0272884222012573?via%3Dihub#!) [Galushka I.A.,](https://www.sciencedirect.com/science/article/pii/S0272884222012573?via%3Dihub#!) [Rimsha P.B., Ivanov](https://www.sciencedirect.com/science/article/pii/S0272884222012573?via%3Dihub#!) M.B. Redistribution of elements in the main and secondary phases and its effect on the microstructure of the Mo–Fe–B cermet alloyed with Cr, Ceramics International 48 (14) (2022) 20974-20983, <https://doi.org/10.1016/j.ceramint.2022.04.091>. Q1
8. Demir E., Popov E., Mirzayev M., Slavov L., Neov D., Donkov A., Siemek K., Vershinina T., Genov I., Beskrovnyi A., Skuratov V., Krezhov K., Horodek P., Mamedov F., Valizade A., Vural Ö., Effects of swift heavy ions at different fluencies on WC-6Co hard metal alloy, International Journal of Refractory Metals and Hard Materials, 2022, 105865, <https://doi.org/10.1016/j.ijrmhm.2022.105865>. Q1
9. Tishkevich D.I., Zubar T.I., Zhaludkevich A.L., Razanau I.U., Vershinina T.N., Bondaruk A.A., Zheleznova E.K., Dong M., Hanfi M.Y., Sayyed M.I., Silibin M.V., Trukhanov S.V., Trukhanov A.V. Isostatic Hot Pressed W–Cu Composites with Nanosized Grain Boundaries: Microstructure, Structure and Radiation Shielding Efficiency against Gamma Rays, Nanomaterials, 12 (2022) 1642, <https://doi.org/10.3390/nano12101642> Q1
10. Vershinina T.N., Samoylova N.Yu., Sumnikov S.V., Balagurov A.M., Palacheva V.V., [Golovin](https://www.sciencedirect.com/author/7006821098/igor-stanislavovich-golovin) I.S. Comparative study of structures and phase transitions in Fe–(31−35) at% Ga alloys by in situ neutron diffraction, Journal of Alloys and Compounds, 934 (2023) 167967, <https://doi.org/10.1016/j.jallcom.2022.167967> Q1
11. Panasyuk M.I., Zubar T.I., Usovich T.I., Tishkevich D.I., Kanafyev O.D., Fedkin V.A., Kotelnikova A.N.,Trukhanov, S.V., Michels D., Lyakhov D., Vershinina T.N., Fedosyuk V.M., Trukhanov A.V. Mechanism of bubbles formation and anomalous phase separation in the CoNiP system, [Scientific Reports](https://www.nature.com/srep), 13 (2023) 5829, <https://doi.org/10.1038/s41598-023-33146-7>. Q1
12. Tishkevich D.I., Rotkovich A.A., German S.A., Zhaludkevich A.L., Vershinina T.N., Bondaruk A.A., Razanau I.U., Dong M., Sayyed M.I., Leonchik S.V., Zubar T., Silibin M.V., Trukhanov S.V., Trukhanov A.V. Heavy alloy based on tungsten and bismuth: fabrication, crystal structure, morphology, and shielding efficiency against gamma-radiation, RSC Advances, 13 (2023) 24491-24498, https://doi.org/10.1039/D3RA04509A.Q1
13. [Zinicovscaia](https://sciprofiles.com/profile/470871) I., [Yushin](https://sciprofiles.com/profile/2678498) N.,  [Humelnicu](https://sciprofiles.com/profile/212271) D., [Ignat](https://sciprofiles.com/profile/266728) M., [Humelnicu](https://sciprofiles.com/profile/2059282) I., [Grozdov](https://sciprofiles.com/profile/1983263) D., [Vershinina](https://sciprofiles.com/profile/2211165) T., Removal of Indium Ions from Aqueous Solutions Using Hydroxyapatite and Its Two Modifications, Separations, 10 (7) (2023) 401;<https://doi.org/10.3390/separations10070401> Q3
14. Виноградов И.И., Андреев Е.В., Юшинa Н.С., Сохацкий А.С., Алтыновa В.А., Густова М. В., Вершинина Т. Н., Зиньковская И., Нечаев А.Н., Апель П.Ю. Гибридная мембрана для одновременной селективной сорбции цезия в ионной и коллоидной форме, Теоретические основы химической технологии, 57(4) (2023) 479–492, <https://doi.org/10.31857/S0040357123040176>
15. Тишкевич Д.И., Герман С.А., Желудкевич А.Л., Вершинина Т.Н., Роткович А.А., Бондарук А.А., Леончик С.В., Урбанович В.С., Дашкевич Е.С., Труханов А.В. Новые композиционные материалы для защиты от гамма-излучения, Весці Нацыянальнай акадэміі навук Беларусі. Серыя фізіка-тэхнічных навук. 68(3) (2023) 183–195, <https://doi.org/10.29235/1561-8358-2023-68-3-183-195>.
16. Samadov S.F., Abiyev A.S., Asadov A.G., Trung N.V.M., Sidorin A.A.,Samedov O.A., Popov E.P., Demir E., Vershinina T., Aliyev Y.I., Hasanov K.M., Mirzayev M.N. Investigating the crystal structure of ZrB2 under varied conditions of temperature, pressure, and swift heavy ion irradiation, [Ceramics International](https://www.sciencedirect.com/journal/ceramics-international), 50 (2 Part B) (2024) 3727-3732, <https://doi.org/10.1016/j.ceramint.2023.11.125> Q1
17. Yao Y., Tishkevich D.I., Vershinina T.N., Zubar T.I., Lu S. Rotkovich A.A., Bondaruk A.A., Sayyed M.I., Weng Q., Trukhanov S.V., Trukhanov A.V., Structure and shielding properties of the unsupported Bi films electrodeposited in galvanostatic and pulse regimes, Ceramics International, V.50 (2024) 16181–16189, <https://doi.org/10.1016/j.ceramint.2024.02.098> Q1
18. Rotkovich A.A., Tishkevich D.I., Razanau I.U., Vershinina T.N., Bondaruk A.A., German S.A., Zubar T.I., Sayyed M.I., Dong M., Yao Yu., Mahmoud K.A., Silibin M.V., Trukhanov A.V. Development and study of lightweight recycled composite materials based on linear low-density polyethylene and W for radiation application, [Journal of Materials Research and Technology](https://www.sciencedirect.com/journal/journal-of-materials-research-and-technology), 30 (2024) 1310-1318, <https://doi.org/10.1016/j.jmrt.2024.03.187> Q1
19. Lis O.N., Belozerova N.M., Kichanov S.E., Shevchenko G.P., Bokshyts YuV., Zhuravkov V.A., Kozlenko D.P., Ushkov A.A., Vershinina T.N. Crystal structure of strontium aluminates phosphors containing bismuth oxides, Chemistry of Inorganic Materials (2024), https:// doi.org/10.1016/j.cinorg.2024.100045.
20. Tishkevich D.I., German S.A., Rotkovich A.A., Vershinina T.N., Zhaludkevich А.L., Yao Y., Silibin M.V., Razanau I.U., Zubar T.I., Bondaruk A.A., Sayyed M.I., Trukhanov A.V., Isostatic hot-pressed tungsten radiation shields against gamma radiation, Journal of Materials Research and Technology, 30 (2024) 4347-4352, <https://doi.org/10.1016/j.jmrt.2024.04.138>, Q1
21. Ярмолич М.В., Каланда Н.А., Петров А.В., Киселёв Д.А., Пономарева О.Ю., Вершинина Т.Н., Босак Н.А., Лазарук С.К., Sangaa D., Munkhtsetseg S. Влияние состава исходных реагентов на структурные и магнитные свойства Sr1,5La0,5FeMoO6-d, Известия высших учебных заведений. Материалы электронной техники, 27 (2024) <https://doi.org/10.17073/1609-3577j.met202401.572>
22. Rutkauskas A. V., Kichanov S. E., Vershinina T. N., Rymski G. S. Dang N. T., Hoang T., Tran, T. A.,Phan N.-L., Tien D. P. T., Thinh P. D., Khan D. T. Crystal structure, magnetic and electrical transport properties of titanium-doped half-Heusler alloys Ni1−xTixMnSb, Modern Physics Letters B (2024) 2450362, <https://doi.org/10.1142/S0217984924503627>, Q3
23. Zuba I., Ivanshina O.Yu., Vershinina T.N., Vinogradov I.I., Korneeva E.A., Hetmańczyk J., Pawlukojć A., Application of Zirconium Aspartic Acid Metal-Organic Framework (MIP-202(Zr)) for high efficient ruthenium adsorption from aqueous solutions, Applied Radiation and Isotopes, (2024), 111461, <https://doi.org/10.1016/j.apradiso.2024.111461>, Q3
24. Ponomareva O., Drozhzhin N., Vinogradov I., Vershinina T., Altynov V., Zuba I., Nechaev A., Pawlukojć A. Metal–Organic Framework Based on Nickel, L-Tryptophan, and 1,2-Bis(4-Pyridyl)Ethylene, Consolidated on a Track-Etched Membrane, Russian Journal of Inorganic Chemistry (2024), 10.1134/S0036023624600667, Q3
25. Kirilkin N.S., Vershinina T.N., O'Connell J.H., Rymzhanov R.A., Skuratov V.A., Boltueva V.А., Ghyngazov S.А. Exploring metastable phase formation: swift heavy ion effects on partially stabilized zirconia, Journal of Nuclear Materials, (2024). 155369, <https://doi.org/10.1016/j.jnucmat.2024.155369>. Q1
26. Vershinina T.N., Sumnikov S.V., Yapryntsev M.N., Balagurov A.M., Palacheva V.V. Golovin I.S., In situ study of phase transformations in the metastable Fe-42Ga alloy. Journal of Alloys and Compounds, 1002 (2024) 175306, [https://doi.org/10.1016/j.jallcom.2024.175306. Q1](https://doi.org/10.1016/j.jallcom.2024.175306.%20Q1)
27. Bachurina D.M., Suchkov A.N., Sevryukov O.N., Kirillova V.O., Leontyeva-Smirnova M.V., Vershinina T.N., Piskarev P.Yu., Ruzanov V.V., Kuznetcov V.E., Kolesnik M.S., Mazul I.V., High heat flux tests of tungsten – RAFM steel mock-up brazed by Ti-Zr-4Be alloy, [Fusion Engineering and Design](https://www.sciencedirect.com/journal/fusion-engineering-and-design) 211 (2025) 114790, <https://doi.org/10.1016/j.fusengdes.2024.114790>, Q2