Сведения об официальном оппоненте

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Список основных публикаций по теме диссертации за последние 5 лет:

1. Lykoshin D.D., Kostromina M.A., Azmukova V.R., Esipov R.S. Chaperone-mediated production of active homodimer human bone morphogenetic protein-2 in *E. coli* // Protein. Expr. Purif. // 2023. – № 206. – 106245.
2. Abramchik Y.A., Timofeev V.I., Zhukhlistova N.E., Shevtsov M.B., Fateev I.V., Kostromina M.A., Zayats E.A., Kuranova I.P., Esipov R.S. Crystallization and Preliminary X-Ray Diffraction Analysis of Recombinant Phosphoribosylpyrophosphate Synthetase I from Thermus thermophilus HB27 // Cryst. Rep. – 2022. – V. 67. – № 4. – P. 586–589.
3. Timofeev V.I., Fateev I.V., Kostromina M.A., Abramchik Y.A., Konstantinova I.D., Volkov V.V., Lykoshin D.D., Mikheeva O.O., Muravieva T.I., Esipov R.S., Kuranova I.P. The comparative analysis of the properties and structures of purine nucleoside phosphorylases from thermophilic bacterium Thermus thermophilus HB27 // J Biomol Struct. Dyn. – 2022. – V. 40. – № 8. – P. 3626–3641.
4. Timofeev V.I., Abramchik Y.A., Muravyova T.I., Zhukhlistova N.E., Esipov R.S., Kuranova I.P. Three-Dimensional Structure of Recombinant Thermophilic Ribokinase from Thermus species 2.9 in Complex with Adenosine Diphosphate // Cryst. Rep. – 2021. – V. 66. – № 5. – P. 769–776.
5. Abramchik Y., Zayats E., Kostromina M., Lykoshin D., Fateev I., Konstantinova I., Zhukhlistova N., Timofeev V., Kuranova I., Esipov R. Comparison of spatial structures and packaging of phosphorybosil pyrophosphate synthetase 2 from thermus thermophilus hb27 in rhombohedral and tetragonal crystals // Crystals (Basel). – 2021. – V. 11. – № 9. – P. 1128.
6. Esipov R.S., Timofeev V.I., Sinitsyna E.V., Tuzova E.S., Esipova L.V., Kostromina M.A., Kuranova I.P., Miroshnikov A.I. Three-dimensional structure of recombinant adenine phosphoribosyltransferase from thermophilic bacterial strain thermus thermophilus HB27 // Russ. J. Bioorganic Chem. – 2018. – V. 44. – № 5. – P. 504–510.

7. Sinitsyna E.V., Timofeev V.I., Zhukhlistova N.E., Muravieva T.I., Kostromina M.A., Esipov R.S., Kuranova I.P. Crystallization and preliminary X-ray diffraction study of purine nucleoside phosphorylase from the thermophilic bacterium thermus thermophilus strain HB27 // Cryst. Rep. – 2018. – V. 63. – № 5. – P. 761–764.
8. Esipov R.S., Stepanenko V.N., Zvereva I.O., Makarov D.A., Kostromina M.A., Kostromina T.I., Muravyova T.I., Miroshnikov A.I., Grishin E.V. Erratum to: biotechnological method for production of recombinant peptide analgesic (purotoxin-1) from *Geolycosa sp.* spider poison // Russ. J. Bioorganic Chem. – 2018. – V. 44. – № 4. – P. 472.
9. Timofeev V.I., Zhukhlistova N.E., Abramchik Y.A., Muravieva T.I., Esipov R.S., Kuranova I.P. Crystal structure of *Escherichia coli* purine nucleoside phosphorylase complexed with acyclovir // Acta Crystallogr. F. Struct. Biol. Commun. – 2018. – V. 74. – № 7. – P. 402–409.
10. Esipov R.S., Makarov D.A., Stepanenko V.N., Kostromina M.A., Muravyova T.I., Andreev Y.A., Dyachenko I.A., Kozlov S.A., Grishin E.V. Pilot production of the recombinant peptide toxin of *Heteractis crispa* as a potential analgesic by intein-mediated technology // Protein Expr. Purif. – 2018. – № 145. – P. 71–76.