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Список основных научных публикаций по специальности № 1.4.2–Аналитическая химия за последние 5 лет:

1. Baygildiev T. M., Braun A. V., Vokuev M. F., Rybalchenko I. V., **Rodin I. A.** Determination of nitrogen mustard metabolites in urine using high-performance liquid chromatography–high-resolution mass spectrometry // Inorganic Materials. 2023. V.58, N. 14. P. 1459–1466.
2. Bliznyuk U., Avdyukhina V., Borshchegovskaya P., Bolotnik T., Ipatova V., Nikitina Z., Nikitchenko A., **Rodin I.**, Studenikin F., Chernyaev A., Yurov D. Effect of electron and x-ray irradiation on microbiological and chemical parameters of chilled turkey // Scientific reports. 2022. V. 12, P. 750.
3. Vokuev M., Baygildiev T., Braun A., Frolova A., Rybalchenko I., **Rodin I.** Monitoring of hydrolysis products of organophosphorus nerve agents in plant material and soil by liquid chromatography-tandem mass spectrometry // Journal of Chromatography A. 2022. V. 1685. P. 463604.
4. Burkin M. A., Galvidis I. A., Surovoy Y. A., Plyushchenko I. V., **Rodin I. A.**, Tsarenko S. V. Development of ELISA formats for polymyxin B monitoring in serum of critically ill patients // Journal of Pharmaceutical and Biomedical Analysis. 2021. V. 204. P. 114275.
5. Baygildiev T. M., Vokuev M. F., Braun A. V., Yashkir V. A., Rybalchenko I. V., **Rodin I. A.** Identification of 2-(diethylamino)ethylthiol dipeptide (Cys-Pro) adduct as biomarker of nerve agents VR and CVX in human plasma using liquid chromatography-high-resolution tandem mass spectrometry // Analytical and Bioanalytical Chemistry. 2021. V. 413. P. 1905-1916.
6. Vokuev M.F., Baygildiev T.M., Plyushchenko I.V., Ikhalaynen Y.A., Ogorodnikov R.L., Solontsov I.K., Braun A.V., Savelieva E.I., Rybalchenko I.V., **Rodin I.A.** Untargeted and targeted analysis of sarin poisoning biomarkers in rat urine by liquid chromatography and tandem mass spectrometry // Analytical and Bioanalytical Chemistry. 2021. V. 413. P. 6973-6985.
7. Braun A. V., Vokuev M. F., Stavitskaya Y. V., Baygildiev T. M., Yashkir V. A., Rybalchenko I. V., **Rodin I. A.** Characteristics of a high-resolution mass spectrum of an adduct of 2-(diethylamino)ethylthiol with a dipeptide (cys–pro) // Journal of Analytical Chemistry. 2021. V. 76. N. 14. P. 1645–1650.
8. Baygildiev T., Vokuev M., Braun A., Rybalchenko I., **Rodin I.** Monitoring of hydrolysis products of mustard gas, some sesqui- and oxy-mustards and other chemical warfare agents in a plant material by HPLC-MS/MS // Journal of Chromatography B. 2021. V. 1162. P. 122452.
9. Oreshkin D. V., Baygildiev T. M., Vokuev M. F., Braun A. V., Godovikov I. A., Rybalchenko I. V., **Rodin I. A.** Determination of p-methoxyphenacyl bromide derivatives of

alkylmethylphosphonic acids in urine using gas chromatography with high-resolution mass spectrometric detection // Journal of Analytical Chemistry. 2021. V. 76. N. 13. P. 1530–1537.
10. Baygildiev T. M., Vokuev M. F., Braun A. V., Yashkir V. A., Rybalchenko I. V., **Rodin I. A.** Identification of 2-(diethylamino)ethylthiol dipeptide (cys-pro) adduct as biomarker of nerve agents vr and cvx in human plasma using liquid chromatography-high-resolution tandem mass spectrometry // Analytical and Bioanalytical Chemistry. 2021. V. 413. P. 1905–1916.
11. Sarvin B., Himmelsbach M., Baygildiev T., Shpigun O., **Rodin I.**, Stavrianidi A., Buchberger W. Nerve agent markers screening after accumulation in garden cress (lepidium sativum) used as a model plant object // Journal of Chromatography A. 2019. V. 1597. P. 214–219.
12. Baygildiev T., Vokuev M., Ogorodnikov R., Braun A., Rybalchenko I., **Rodin I.** Simultaneous determination of organophosphorus nerve agent markers in urine by ic-ms/ms using anion-exchange solid-phase extraction // Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences. 2019. V. 1132. N. 121815.

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