

Миронов Владимир Евгеньевич

старший научный сотрудник

НТОУ ЛЯР

Список публикаций 2019-2024:

1. V.N. Loginov, S.L. Bogomolov, A.E. Bondarchenko, V.E. Mironov, V.V. Alexandrenko, I.A. Ivanov, M.V. Koloberdin, S.G. Kozin, A.E. Kurakhmedov, D.A. Mustafin, E.K. Sambayev and M.V. Zdorovets, "Production of intense metal ion beams at the DC-60 cyclotron", Journal of Instrumentation, Volume 14, February 2019. <https://doi.org/10.1088/1748-0221/14/02/C02007>
2. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, V. Loginov and D. Pugachev. "Spatial distributions of plasma potential and density in electron cyclotron resonance ion source", Plasma Sources Sci. Technol. 29 065010 (2020). <https://doi.org/10.1088/1361-6595/ab62dc>
3. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, V. Loginov and D. Pugachev, "Three-dimensional modelling of processes in Electron Cyclotron Resonance Ion Source", Journal of Instrumentation, Volume 15 P10030 (2020). <https://doi.org/10.1088/1748-0221/15/10/P10030>
4. A. Efremov, S. Bogomolov, and V. Mironov, "The role of ion sources in synthesis of the super-heavy elements", Review of Scientific Instruments, 91, 013314 (2020); <https://doi.org/10.1063/1.5128172>
5. V. N. Loginov, A. E. Bondarchenko, S. L. Bogomolov, V. E. Mironov and D. K. Pugachev. "Production of Intense Ion Beams of Nickel, Chromium, Silicon, and Cobalt at the DC-60 Cyclotron", Physics of Particles and Nuclei Letters, volume 17, p.193–196 (2020); <https://doi.org/10.1134/S1547477120020120>
6. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, V. Loginov, D. Pugachev. "Three-dimensional modelling of processes in Electron Cyclotron Resonance Ion Source", Journal of Instrumentation, Volume 15, October 2020; <https://doi.org/10.1088/1748-0221/15/10/P10030>
7. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, K. Kuzmenkov, V. Loginov, D. Pugachev. "On optimization of the metal ion production by Electron Cyclotron Resonance Ion Sources", Physics of Particles and Nuclei Letters, volume 18, p.370–377 (2021); <https://doi.org/10.1134/S1547477121030092>
8. I. Izotov, O. Tarvainen, V. Skalyga, D. Mansfeld, H. Koivisto, R. Kronholm, V. Toivanen, and V. Mironov. "Measurements of the energy distribution of electrons lost from the minimum B-field—The effect of instabilities and two-frequency heating", Review of Scientific Instruments 91, 013502 (2020); <https://doi.org/10.1063/1.5128322>
9. I V Izotov, A G Shalashov, V A Skalyga, E D Gospodchikov, O Tarvainen, V E Mironov, H Koivisto, R Kronholm, V Toivanen and B Bhaskar. "The role of radio frequency scattering in high-energy electron losses from minimum-B ECR ion source", Plasma Physics and Controlled Fusion, Volume 63, Number 4 (2021); <https://doi.org/10.1088/1361-6587/abddf0>
10. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, V. Loginov and D. Pugachev. "Numerical investigations of the minimum-B effect in Electron Cyclotron Resonance Ion Source", Journal of Instrumentation, Volume 16, April 2021; <https://doi.org/10.1088/1748-0221/16/04/P04009>
11. V. Mironov, S. Bogomolov, A. Bondarchenko, A. Efremov, V. Loginov and D. Pugachev. "Development and validation of the numerical model of Electron Cyclotron Resonance Ion

Sources”, Journal of Instrumentation, Volume 17, June 2022; <https://doi.org/10.1088/1748-0221/17/06/P06028>

Труды конференций:

1. S.L. Bogomolov, A.E. Bondarchenko, A.A. Efremov, K.I. Kuzmenkov, N. Lebedev, V.N. Loginov, V. Mironov, D.K. Pugachev, “Production of ^{48}Ca and ^{48}Ti Ion Beams at the DC-280 Cyclotron”, JACoW ECRIS2020 (2022) MOZZO01, 24th International Workshop on ECR Ion Source (ECRIS 2020), <https://jacow.org/ecris2020/papers/mozzo01.pdf>; <https://doi.org/10.18429/JACoW-ECRIS2020-MOZZO01>
2. Andrey Bondarchenko, Madi Abdigaliyev, Sergey Bogomolov, Igor Ivanov, Mikhail Koloberdin, Alisher Kurakhmedov, Aleksander Lebedev, Vladimir Loginov, Vladimir Mironov, Daulet Mustafin, Dmitriy Pugachev, Yernaz Sambayev, Maxim Zdrovets, “Production of Metal Ion Beams From ECR Ion Sources”, JACoW ECRIS2020 (2022) WEXZ005, 24th International Workshop on ECR Ion Source (ECRIS 2020); DOI: 10.18429/JACoW-ECRIS2020-WEXZ005
3. Andrey Bondarchenko, Sergey Bogomolov, Andrey Efremov, Vladimir Loginov, Vladimir Mironov, Dmitriy Pugachev, “Modernization of the ECR Ion Source DECRIS-2M. Results of the First Tests”, RuPAC 2021; DOI: 10.18429/JACoW-RuPAC2021-TUPSB37
4. Dmitriy Pugachev, Sergey Bogomolov, Andrey Bondarchenko, Andrey Efremov, Kirill Gikal, Konstantin Kuzmenkov, Vladimir Loginov, Vladimir Mironov, Andrei Protasov, “High Intensity Calcium, Chromium and Titanium Ion Beams from the Permanent Magnet ECR Ion Source DECRIS-PM”, RuPAC 2021; DOI: 10.18429/JACoW-RuPAC2021-TUPSB36