

Список основных публикаций ведущей организации, Санкт-Петербургского государственного университета, по теме кандидатской диссертации за последние пять лет

- [1] A. V. Siasko, Y. B. Golubovskii, V. Y. Karasev, "About the photoemission of electrons from the surface of a spherical dust particle in gas discharge plasma", *Plasma Sources Sci. Technol.*, vol. 30, no. 6, p. 065030, 2021.
- [2] Y. B. Golubovskii, A. V. Siasko, and V. O. Nekuchaev, "Peculiarities of glow discharge constriction in helium", *Plasma Sources Sci. Technol.*, vol. 29, no. 6, p. 65020, 2020.
- [3] A. A. Kartasheva, Yu. B. Golubovskii, and V. Yu. Karasev, "Anharmonic oscillations of the single dust particle trapped in a standing striation", *J. Phys. Conf. Ser.*, vol. 1556, no. 1, p. 12079, 2020.
- [4] S. Gortschakow, D. Kalanov, and Y. Golubovskii, "Influence of Resonance Radiation Transport on Chemical Equilibrium in an Argon Arc", *Plasma Physics and Technology*, vol. 6, no. 2, pp. 119-122, 2019.
- [5] S. Valin, Y. Golubovskii, S. Gortschakow, and F. Sigeneger, "Influence of radiation transport on discharge characteristics of an atmospheric pressure plasma jet in Argon", *46th EPS Conference on Plasma Physics*, P2.3007, 2019.
- [6] A. V. Siasko, and Y. B. Golubovskii, "The role of thermal effects in constriction of positive column in inert gases", *46th EPS Conference on Plasma Physics*, O3.301, 2019.
- [7] Y. B. Golubovskii, A. V. Siasko, and V. O. Nekuchaev, "Role of thermal effects in neon and argon constricted discharges", *Plasma Sources Sci. Technol.*, vol. 28, no. 4, p. 045007, 2019.
- [8] Y. Golubovskii, S. Valin, E. Pelyukhova, and V. Nekuchaev, "Instabilities of a constricted gas discharge with respect to two-dimensional wave perturbations", *Plasma Sources Sci. Technol.*, vol. 28, no. 4, p. 045015, 2019.
- [9] Y. Golubovskii, A. Siasko, and S. Valin, "Constriction and stratification of the positive column of a glow discharge in inert gases", *AIP Conference Proceedings*, vol. 2179, no. 1, p. 020024, 2019.
- [10] A. A. Kartasheva, Y. B. Golubovskii, and V. Y. Karasev, "Forced nonlinear vertical oscillations of a single dust particle trapped in a stratified glow discharge", *46th EPS Conference on Plasma Physics*, p2.3001, 2019.

- [11] A. A. Kartasheva, Y. B. Golubovskii, and V. Y. Karasev, "The vibrational properties of the dust trap created in standing striation", *Contributions to Plasma Physics*, vol. 59, no. 4-5, p. e201800170, 2019.
- [12] D. Kalanov, R. Kozakov, A. Siasko, A. Bösel, Y. B. Golubovskii, and S. Gortschakow, "Spatially resolved LAAS/OES diagnostics of a free-burning Ar arc: measurements of excited atom densities," *J. Phys. D. Appl. Phys.*, vol. 52, no. 7, p. 075204, 2019.
- [13] Y. B. Golubovskii, A. V Siasko, D. Kalanov, and V. O. Nekuchaev, "Role of resonance radiation trapping in the mechanisms of constriction of the glow discharge. Theory and experiment," *J. Phys. Conf. Ser.*, vol. 1038, no. 1, p. 12126, 2018.
- [14] Y. B. Golubovskii, A. V Siasko, D. Kalanov, and V. O. Nekuchaev, "Spatial and temporal formation dynamics of glow discharge constriction and stratification," *Plasma Sources Sci. Technol.*, vol. 27, no. 8, p. 085009, 2018.
- [15] Y. B. Golubovskii, V. Karasev, and A. Kartasheva, "Resonance properties of a single dust particle in a stratified glow discharge," *Plasma Sources Sci. Technol.*, vol. 27, no. 6, p. 65006, 2018.