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NANO-PARTICLES PRODUCTION AT SECONDARY DISCHARGE PLASMA-LIQUID SYSTEMS WITH VORTEX AR FLOW

The paper presents the results of nano-particles production in two different atmospheric pressure plasma-liquid systems with the secondary discharge based on rotating discharges in vortex argon flow. The treated by plasma working fluids were aqueous solutions of AgNO3 with addition of different concentrations of surface active substances. The resulting samples after the plasma treatment were studied by emission absorption methods and atomic force microscope.

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