

ABSTRACT

Research report: 81 pages, 20 figures, 7 tables, 1 addition, 48 references were engaged for theoretical foundation

HIGH-ENTROPY ALLOYS, TRIBOTECHNICAL PROPERTIES,
STRUCTURE, CATHODE, DEPOSITION, COATING

The object of research: high-entropy alloy of multilayer AlCuCrCoNiFe structure.

Subject of research: tribotechnical properties of ion-plasma coating.

The purpose of research: obtaining of ion-plasma coatings sprayed from high-entropy alloy of multilayer AlCuCrCoNiFe structure.

Research methods: PVD.

Research results: cathode made of high-entropy alloy of multilayer AlCuCrCoNiFe structure was produced for further investigation of tribotechnical properties.

Field of application: electronics, machine building, medicine.