ТОМЅК ТОМСКИЙ POLYTECHNIC ПОЛИТЕХНИЧЕСКИЙ UNIVERSITY УНИВЕРСИТЕТ

Analysis of the product of processing tungsten ore concentrate by the electric arc discharge method in open air Kokorina A. I.

In the present study, investigation of the tungsten carbide powder as a result of arc discharge plasma synthesis from tungsten ore concentrate is performed. Arc discharge was maintained in the open-air environment. This method is vacuum-free because of the self-shielding effect caused by generation of CO and CO_2 gases. The initial materials are ore concentrate and carbon. XRD, SEM, TEM and electrocatalysis methods were used.

Relevance

