

ABSTRACT

INFLUENCE OF V_2O_3 IMPURITY ON GRAPHITIZATION OF CARBON MATERIALS

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The methods of the X-ray analysis investigate graphitization of carbon materials of the containing additive from 1 up to 5 mas.% V_2C_3 at heat treatment in a range from 1500 up to 2500 °C. Is established, that catalytical graphitization, caused by presence of vanadium is observed in a narrow range of temperature of processing ~ 1900 °C. The concentration of V_2O_3 appreciable influence on the structural characteristics of materials does not render.

Key words: carbon materials, graphitization, crystal structure, X-ray analysis.

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