

Influence of inorganic salts on kinetics of catalytic pyrolysis of wood

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Keywords: *pyrolysis, biomass, inorganic salts, kinetics.*

Abstract

The thermogravimetry and differential scanning calorimetry methods were used to study the pyrolysis of coniferous and deciduous species of wood. The effect of catalysts – inorganic salts – on the temperature of thermal degradation beginning and output of coal was reported. Kinetic studies have revealed the order of reaction and the activation energy of the initial stage of pyrolysis of wood.