

## Effect of the catalyst structure on the catalytic activity in dehydrogenation of 2-methyl butane

Gil'manov K., Romanova R., Lamberov A., Gil'mullin R.  
*Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia*

---

### Abstract

Calorimetry, thermogravimetry, X-ray diffraction analysis, and low-temperature adsorption of nitrogen were used to study the structure of bimetallic Pt-Sn catalysts on zinc-alumina spinel supports. The effect of the porous structure of the catalyst samples synthesized on their catalytic activity in dehydrogenation of 2-methyl butane was analyzed. © Pleiades Publishing, Ltd., 2010.

<http://dx.doi.org/10.1134/S1070427210010167>

---