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

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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.

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