

عنوان مقاله:

Influence of Temperature on Skeletal Hydroisomerization of npentane over Pt/ZSM-5 Nanocatalyst

محل انتشار:

چهاردهمین کنگره ملی مهندسی شیمی ایران (سال: 1391)

تعداد صفحات اصل مقاله: 4

نویسندگان:

N Charchi - Chemical Engineering Department, Sahand University of Technology, Tabriz, Iran

M ejtemaei

a tavakoli

a.a babaluo

خلاصه مقاله:

Hydroisomerization of n-pentane over platinum promoted nanostructure ZSM-5 was studied. The effect of temperature on the n-pentane rate of conversion and also iso-pentane and other products selectivity was investigated at atmospheric pressure between 200 and 300°C. It was observed that with increasing the reaction temperature, rate of n-pentane conversion increased however selectivity toward iso-pentane decreased. These trends can be attributed to increasing overall reaction rate and also side reactions with increasing reaction temperature

کلمات کلیدی:

Skeletal hydroisomerization, Reaction temperature, n-pentane, Pt/ZSM-5 nanocatalyst

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/172043>

