

عنوان مقاله:

Catalytic conversion of plastic to aromatic compounds

محل انتشار:

سومین کنفرانس کاتالیست انجمن شیمی ایران (سال: 1401)

تعداد صفحات اصل مقاله: 1

نویسندگان:

Mehrdad Hajian - Faculty of Chemical Engineering, Sahand University of Technology, Sahand New Town, Tabriz, Iran

Samira Rahimi - Faculty of Chemical Engineering, Sahand University of Technology, Sahand New Town, Tabriz, Iran

Mohammad Rostamizadeh - Faculty of Chemical Engineering, Sahand University of Technology, Sahand New Town, Tabriz, Iran

خلاصه مقاله:

In the present study, catalytic pyrolysis of LDPE plastic was performed using ZSM-5 catalyst. GCMS results showed that aromatics had the highest selectivity (55%) and the distribution of hydrocarbons was in the range of C₆-C₁₅. Therefore, catalytic pyrolysis has an acceptable efficiency in producing aromatic products and high quality fuel

کلمات کلیدی:

Catalytic pyrolysis, ZSM-5 catalyst, Liquid fuel

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1523675>

