

**عنوان مقاله:**

Experimental Investigation of Thermal Catalytic Cracking over Nanotubes Catalysts

**محل انتشار:**

هفتمین کنگره ملی مهندسی شیمی (سال: 1390)

تعداد صفحات اصل مقاله: 8

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**خلاصه مقاله:**

The effects of temperature and Fe loading over multi wall carbon nano tube catalysts in thermal catalytic cracking of naphtha to produce light olefins have been studied in this paper. The temperature and Fe loading varied from 572-628°C and 0.34-11.66 wt.% Fe, respectively. The maximum yield of ethylene (18.46 wt.% of product) was obtained at 620°C and 10 wt.% loading of Fe over CNTs, and the maximum yield of propylene (12.01 wt.% of product) was obtained at 628°C and 6 wt.% of Fe loading over CNTs.

**کلمات کلیدی:**

Thermal-Catalytic Cracking, Multi Wall Carbon Nanotubes, Ethylene, Propylene, Naphtha

**لینک ثابت مقاله در پایگاه سیویلیکا:**

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