

عنوان مقاله:

Effect of Si/Al ratios on the activity of H-ZSM-5 modified catalysts in the catalytic oxidation of Ethyl acetate

محل انتشار:

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خلاصه مقاله:

The objective of this work is to study the effects of Si/Al in HZSM-5 and Ag-ZSM-5 catalysts in the catalytic oxidation of ethyl acetate. Catalytic studies were carried out in a catalytic fixed bed reactor under atmospheric pressure. The results show that, with an increase in the Si/Al (from 14 to 400, molar ratio), the catalytic activity decreases especially in HZSM-5 catalysts. The catalysts were characterized by X-ray diffraction (XRD), scanning electron microscopy (SEM).

کلمات کلیدی:

HZSM-5, Si , Al, VOC, Ag-ZSM-5, catalytic oxidation

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