

عنوان مقاله:

Investigation of modified HZSM-5 and TiO₂ catalytic Performances in removal of ethyl acetate from polluted air

محل انتشار:

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خلاصه مقاله:

Catalytic oxidation is considered as one of the best technique for reducing the emission of Volatile organic compounds (VOCs) to environment. Among of all catalyst used in this process, zeolite supported catalyst have been gained a more attention. In this study, the performances of TiO₂ and HZSM-5 and copper modified HZSM-5 (Cu-HZSM-5) and Cu/TiO₂ catalysts in in gas phase catalytic conversion of ethyl acetate (1000 ppm V) from Polluted air were investigated. The results reveal the suitable catalytic activity of ZMS-5 catalysts in conversion of Ethyl acetate. In .addition results confirmed that loading of Copper into HZSM improves the catalytic activity in conversion of HZSM-5

کلمات کلیدی:

Catalytic oxidation, Zeolitic catalysts, copper modified ZSM-5, VOCs

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