

عنوان مقاله:

Effect of carrier characters on poisoning of environmental total oxidation Pt/g-Al₂O₃ catalysts by Organo Silica Compounds

محل انتشار:

هشتمین کنگره ملی مهندسی شیمی ایران (سال: 1382)

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خلاصه مقاله:

Environmental laws limit and press the industries to control the emission of Volatile Organic Compounds (VOC) around the world. Total catalytic oxidation is a suitable technology for removing and control of VOC in industries, but poisons, like Organic Silica Compounds, deactivate these catalysts. In this paper, this problem is investigated over Pt/g-Al₂O₃ catalyst with emphasis on Organic Silica Compounds as poison. The effect of catalyst carrier has been investigated and the reversibility phenomenon has been researched in this poisoning process too.

کلمات کلیدی:

VOC; Organic Silica Compounds; Pt/g-Al₂O₃; Catalyst carrier; reversible and irreversible poisoning

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