

عنوان مقاله:

Absorption of Fenitrothion organophosphorus pesticide using UIO-66 metal-organic framework

محل انتشار:

بیست و یکمین سمینار شیمی معدنی انجمن شیمی ایران (سال: 1398)

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خلاصه مقاله:

Several research works have been paid on the synthesis of metal organic framework and investigating their absorption and degradation properties. These porous compounds have attracted a great of attention in the last 10 years, due to the large size of their cavities, their high surface area, the selective absorption of small molecules and the light or magnetic responses in the presence of guest molecules [1]. In this study, the absorption properties of the UIO-66 MOF were investigated by using organophosphorus Pesticide [2]. Studies showed that prepared sample enhanced the absorption of organophosphorus Pesticide compare to carbon active. FESEM, XRD, BET, FTIR, NMR analysis were used to characterize the synthesized UIO-66 MOF. The MOF enabled facile absorption fenitrothion in (water/dichloromethane under ambient conditions (90% after 24 h at pH10

کلمات کلیدی:

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