

## عنوان مقاله:

Adsorption behavior studies of Cerium on modified Mesoporous Aluminosilicate

## محل انتشار:

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## خلاصه مقاله:

In this paper, the adsorption of cerium on modified Mesoporous aluminosilicate (with Si/Al mole ratio of ۱۰) was studied. The effects of pH, contact time, initial concentration of cerium on adsorption of cerium were investigated. The adsorption capacity was high in the pH range of ۴-۸ and decreases with decreasing of the pH value. The Langmuir and Freundlich isotherms were applied to represent the adsorption process. Both Langmuir and Freundlich isotherms fit the experimental data quite well. The Langmuir monolayer capacity of the adsorbent was ۰.۰۳۲ mmol.g<sup>-۱</sup>.

## کلمات کلیدی:

Mesoporous, MCM-۴۱, Aluminosilicate, Adsorption studies, Cerium

## لینک ثابت مقاله در پایگاه سیویلیکا:

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