

عنوان مقاله:

Kinetics studies removal of copper ions from aqueous solution using magnetic nanoparticles immobilized on Activated Carbon

محل انتشار:

هجدهمین همایش شیمی فیزیک ایران (سال: 1394)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

Heavy metals (Copper, Cadmium, Nickel, Lead and Chromium) are natural constituents of the Earth, usually are toxic. These metals, even at trace level, are known to be a risk for human beings [1]. The presence of copper, cadmium, nickel and others metals in the aqueous environment has a potentially damaging effect on human physiology and other biological systems when the acceptable levels are exceeded [2]. In this study, magnetic nanoparticles (MNP) have been synthesized by co-precipitation method. Fe₃O₄ immobilized on activated carbon (AC). The removal of copper ions from aqueous solution by synthesized magnetic activated Carbon nanoparticles was investigated. Adsorption kinetics and isotherm models were found.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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