عنوان مقاله:

Performance of bare magnetite nanoparticles in the adsorption of pentavalent vanadium

محل انتشار:

اولین َهمایش ملّی شیمی و گیاهان دارویی (سال: 1401)

تعداد صفحات اصل مقاله: 12

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خلاصه مقاله:

In the present study, the separation of vanadium (V) in aqueous medium was studied using an adsorbent of magnetite nanoparticles that was successfully synthesized by co-precipitation method. The synthesized nanoparticles were tested without functionalization to remove vanadium. The maximum adsorption percentage of vanadium by nonfunctionalized magnetite nanoparticles was 99.5 percent in optimum conditions: At ambient temperature (Yo °C), .(contact time ۳. minutes, ۵... mg/l adsorbent amount, and ۵. mg/l initial concentration of vanadium (V

كلمات كليدى:

Adsorption; Vanadium; Magnetite nanoparticles

لینک ثابت مقاله در پایگاه سیویلیکا:

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