

عنوان مقاله:

(Synthesis of polymeric beads with tunable size and porosity and their application in removal of Cr(VI

محل انتشار:

کنفرانس بین المللی فرآورش پلیمرها (سال: 1390)

تعداد صفحات اصل مقاله: 4

نویسندگان:

Mehdi Karimi - *Department of Chemical and Petroleum Engineering, Sharif University of Technology*

Ali Nematollahzadeh - *Department of Chemical Engineering, University of Mohaghegh Ardabili*

Akbar shojaei - *Department of Chemical and Petroleum Engineering, Sharif University of Technology*

Mohammad J. Abdekhodaie - *Department of Chemical and Petroleum Engineering, Sharif University of Technology*

خلاصه مقاله:

In the present study we demonstrate a procedure, so-called polymerization in packed bed, for the production of polymeric beads with tunable size and porosity as well as their application in removal of hexavalent chromium. The adsorption was performed in batch mode and the adsorbent capacity was found to be about 120 mg Cr/g dry polymer. The experimental data from the batch binding assay could be described by Langmuir isotherm model. Moreover, scanning electron microscopy (SEM) was performed to examine the particles morphology

کلمات کلیدی:

Polymerization in packed bed, Porous polymeric beads, Chromium, Adsorption

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