

## عنوان مقاله:

Polymer Brushes in NanoBiotechnology: Applications in Downstream Process

## محل انتشار:

پنجمین کنگره بین المللی مهندسی شیمی (سال: 1386)

تعداد صفحات اصل مقاله: 9

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## خلاصه مقاله:

Nanoparticles are the subject of numerous papers and reports and are full of promises for electronic, optical, magnetic and biomedical applications. An understanding of the basic structure, viscoelastic properties and interactions of mucin glyconanoproteins is of considerable interest to food science and biomedicine because of the important protective roles play in gastric physiology. The purification of mucin using boronate affinity chromatography (BAC) has been studied in the present work. BAC is a novel separation technique, which eliminates nonspecific boronate-protein interactions. Eupergit C was applied for the first as a support in chromatography column. Batch binding experiments and effect of different pH on the purification were considered strongly in this work.

## کلمات کلیدی:

phenyl boronic acid, mucin, nano particle purification, affinity chromatography

## لینک ثابت مقاله در پایگاه سیویلیکا:

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