

عنوان مقاله:

Preparation of a novel nanoporous hydrogel based on poly (acrylic acid) grafted onto sodium alginate via UV irradiation

محل انتشار:

یازدهمین سمینار بین المللی علوم و تکنولوژی پلیمر (سال: 1393)

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خلاصه مقاله:

In this paper, UV- radiation method was used to synthesis of a bio-based nanoporous hydrogel by grafting of poly (acrylic acid) (PAA) onto sodium alginate (SA) at room temperature. The obtained samples were characterized by fourier transform infrared spectrum (FTIR) and scanning electron microscope (SEM). The effect of pH on the swelling behavior of the obtained samples was investigated

کلمات کلیدی:

Poly (acrylic acid), Hydrogel, sodium alginate, UV irradiation

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