

عنوان مقاله:

Fabrication of polycarbonate/graphene oxide membrane with high porosity and mechanical strength

محل انتشار:

اولین کنفرانس بین المللی علم و فناوری خوارزمی (سال: 1402)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

Graphene oxide (GO) was incorporated in polycarbonate (PC) to improve the structural properties of the PC membrane. PC membranes with GO concentrations of 0.5, 0.75, 1.0, and 1.5 wt% were fabricated using non solvent induce phase separation (NIPS) method. The results indicate that the porosity and mechanical properties of the membranes are enhanced with the increase of GO concentration up to 1.0 wt %.

کلمات کلیدی:

PC; Graphene Oxide; Membrane

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