

## عنوان مقاله:

Effect of operating temperature on carbon dioxide and nitrogen permeabilities in nanocomposite membrane to prevent the greenhouse gases emission

## محل انتشار:

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## خلاصه مقاله:

The capture and storage of carbon dioxide has been identified as one potential solution to greenhouse gas driven climate change. A developing technology is membrane gas separation, which is more compact, energy efficient and possibly more economical than mature technologies, such as solvent absorption. Poly vinyl chloride/multi wall carbon nano tubes (PVC/MWCNTs) nanocomposite membranes (NCMs) were prepared for gas separation. functionalized MWCNTs (OH-MWCNTs) was utilized in membranes preparation. Gas permeation and transport characteristics of single gases for

## کلمات کلیدی:

,PVC, MWCNT, temperature

## لینک ثابت مقاله در پایگاه سیویلیکا:

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