

عنوان مقاله:

Preparing DDR type zeolite membrane composite for gas separation

محل انتشار:

همایش بین المللی ژئولیت ایران (سال: 1387)

تعداد صفحات اصل مقاله: 8

نویسندگان:

hadi Norouzi Zahmatkesh, - *Department of Chemical Engineering, University of Arak, Arak, Islamic Republic of Iran*

mehdi Khaksari - *Department of Chemical Engineering, University of Arak, Arak, Islamic Republic of Iran*

Seyed Smaeel Zakeri - *Department of Chemical Engineering, University of Arak, Arak, Islamic Republic of Iran*

Farid Rostami - *Department of Chemical Engineering, University of Arak, Arak, Islamic Republic of Iran*

خلاصه مقاله:

Know as a refining method of a natural gas is a method using a separation membrane. Application of organic membranes is limited by their low thermal and chemical stability. Recently the molecular-sieve inorganic membrane has been studied extensively. DDR type zeolites are regarded as good candidates to be utilized for this purpose. This membrane has an industrially acceptable thickness and is formed on a substrate. This membrane separates at least one type of a gas mixture including identified gases specially 2 CO and 4 CH₄. For increasing mechanical strength of this membrane, a method for preparing DDR membrane composite, is described.

کلمات کلیدی:

DDR, membrane, composite

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