

عنوان مقاله:

Synthesis and Characterization of Clinoptilolite/NaY/MCM-41 composite

محل انتشار:

همایش بین المللی ژئولیت ایران (سال: 1387)

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خلاصه مقاله:

A series of Clinoptilolite/NaY/MCM-41 composites were synthesized through a two-step crystallization process consisting of in situ crystallization of NaY on Clinoptilolite as a starting materials and the overgrowth of MCM-41 on the surface of Clinoptilolite/NaY composite. The composites synthesized were characterized by means of XRD, TGA, differential thermal analysis DTA and IR spectra. XRD analysis showed that the triple composite obtained in the present investigation possess the typical characteristics of well-ordered mesoporous MCM-41 and NaY zeolite. The results of DTA indicated that cetyltrimethylammoniumbromide attached on the NaY phase this composite can be used for intermolecular acylation

کلمات کلیدی:

Clinoptilolite/NaY/MCM-41; Composite; Zeolite, Synthesis; Characterization

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