

عنوان مقاله:

Synthesis of colloidal zeolite crystals: Brief review

محل انتشار:

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خلاصه مقاله:

Colloidal zeolite crystals can be useful in many ways. They can be used directly in various processes, which may result in better mass transport since the internal diffusion path is reduced as the particle size is decreased. The reduction of particle size from the micrometer to the nanometer scale leads to substantial changes in the properties of the materials, which have an impact on the performance of zeolites in traditional application areas such as catalysis and separation. Colloidal crystals may also be used to direct the growth of zeolite onto a surface, i.e. to prepare zeolite films and Membranes. In this paper synthesis of colloidal zeolite crystal are reviewed

کلمات کلیدی:

nanosized zeolite- colloidal crystal - crystallization

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