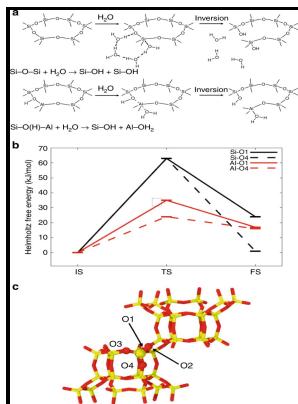


Role of silicates in zeolite synthesis.

University of Salford - Structure



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D37977/81 role of silicates in zeolite synthesis.

Notes: PhD thesis, Chemistry.

This edition was published in 1980



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Synthesis of ‘unfeasible’ zeolites

The dissolved cations are removed from water by being exchanged with the cations on a zeolite's extra-framework exchange sites. In particular, the ultrasonic power was the most important parameter affecting the crystallinity and morphology of the products.

The effects of the silica source on the crystallization of zeolite NaX

Cation exchange capacity of natural zeolites. Experimental charge density matching approach to zeolite synthesis. The maximum size of the molecular or ionic species that can enter the pores of a zeolite is controlled by the dimensions of the channels.

The role of alkali cations in zeolite synthesis from silicate solutions containing N,N,N

Belviso 2018 comprehensively analyzed the characteristics and application prospects of coal ash and biomass ash and discussed the key factors affecting the synthesis of zeolites from coal ash and the shortcomings of various synthetic methods. Modulating the composition of the initial synthetic gel can also generate the hierarchical structure.

A Review of the Chemistry, Structure, Properties and Applications of Zeolites

Water Research 34 2000 3675 — 3681. Research on Chemical Intermediates 2020, 46 9 , 4091-4098.

Review of the Natural, Modified, and Synthetic Zeolites for Heavy Metals Removal from Wastewater

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