

Synthesis and characterization of highly crystalline FAU containing gallium

정하나, 조성준[†]
전남대학교
(sjcho@jnu.ac.kr[†])

Faujasite zeolites is one of the most widely used catalysts and sorbents in the chemical industry. It was well known that the conversion of FAU under hydrothermal condition resulted in the formation of high Si/Al ZSM-5, ZSM-12, and SSZ-13.

In this study, gallosilicate with faujasite structure was synthesized for the preparation of Ga incorporated high silica zeolite. The synthesized gallosilicate was found to have FAU framework structure, which was confirmed by XRD, SEM/EDX, and BET.