عنوان مقاله:

Study of adsorption isotherms and determination the best isotherm for description of different processes in zeolite systems

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نویسندگان:

Fatemeh babazadeh shareha - *Department of chemical& petroleum engineering, sharif university,Tehran,Iran*

Mohamad Kazemini - *Department of chemical& petroleum engineering, sharif university,Tehran,Iran*

Seied hossein ghiassic - *Department of chemical& petroleum engineering, sharif university,Tehran,Iran*

خلاصه مقاله:

Zeolites are aques silicates that because of their properties and especial chemical construction are used in various catalytic processes, adsorption and ionic exchange. So, choice of suitable isotherm is necessary for the description of construction of porosities and comprehension of capillary activities, diffusion and even selectivity of sites. In this report the experimental and semi experimental relations and generalized models for each isotherm in some adsorption process in zeolite systems are studied. Finally the selection way of a model from various models has been explained and the best model of each of zeolite system has been showed.

کلمات کلیدی:

Zeolite, adsorption isotherm, ion exchange

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