

## RESEARCH PAPERS

正烷烃在硅石和ZSM-5与沸石上的吸附平衡

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**摘要** The adsorption equilibria of n-heptane, n-octane and n-nonane on silicalite and ZSM-5 have been measured in the temperature range of 373.15--473.15K under low pressure (0—5.332kPa).

All the experimental data can be represented by a generalized characteristic curve of the extended adsorption potential theory utilizing the parameter of the initial heat of adsorption, which is estimated reasonably by a new approach.

**关键词** [adsorption equilibria](#) [heat of adsorption](#) [n-alkanes](#) [zeolite](#)

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### Adsorption Equilibria of n-Alkanes on Silicalite and ZSM-5

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**Abstract** The adsorption equilibria of n-heptane, n-octane and n-nonane on silicalite and ZSM-5 have been measured in the temperature range of 373.15--473.15K under low pressure (0—5.332kPa).

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**Key words** [adsorption equilibria](#); [heat of adsorption](#); [n-alkanes](#); [zeolite](#)

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