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Kinetics of acetic acid - methanol esterification reaction over sulfonic acid-functionalized mcf catalyst

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Abstract: The esterification of acetic acid with methanol was studied in the presence of heterogeneous acidic catalyst - sulfonic acid functionalized silica mesoporous cellular foam (MCF) in order to determine its potentials. The effects of catalyst loading, molar ratio of substrates and temperature on the reaction rate were discussed. The kinetic model for this reaction was proposed.

Attachments:

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