

EINLADUNG

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von

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Active sites in heterogeneous catalysts

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Abstract:

The selective oxidation of methane to methanol is a very difficult to perform reaction, because of the higher reactivity of methanol compared to starting product methane. Recent developments suggest that a stepwise reaction over a heterogeneous zeolite-based copper catalyst may selectively yield methanol. Our efforts to understand the reaction mechanism and determine the structure of the catalytically active site will be discussed.