

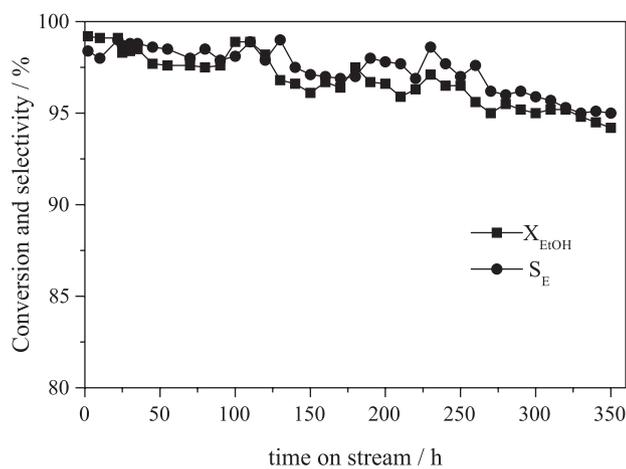
## Catalytic Dehydration of Ethanol to Ethylene over Alkali-Treated HZSM-5 Zeolites

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**Figure S1.** The lifetime of AT0.4 catalyst.