Supplementary Information for

Controlled Decationization of X Zeolite: Mesopore Generation within Zeolite Crystallites for Bulky Molecular Adsorption and Transformation

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Fig. S8 Conversion of ethyl cyanoacetate in Knoevenagel condensation with 10 wt% K₂O/KX, 10 wt% K₂O/decatX-0.51, 10 wt% K₂O/KX-Na₂H₂EDTA and 10 wt% K₂O/KX-HCl as a catalyst. Chemically leached NaX zeolite with Na₂H₂EDTA and HCl were ion-exchanged with excessive amount of K⁺ ion (3 g samples were ion-exchanged twice in 200 mL of 0.3 M KNO₃). 1 g of K⁺-exchanged samples were impregnated with 3 M of KNO₃ to achieve 10 wt% K₂O. The impregnated samples were dried at 373 K for 24 h and calcined in a plug-flow reactor under flowing dry air (250 mL min⁻¹) at 773 K (temperature ramp: 2 K min⁻¹) for 3 h. The resultant samples were designated as 10 wt% K₂O/KX-Na₂H₂EDTA and 10 wt% K₂O/KX-HCl, respectively.