

Supporting Information

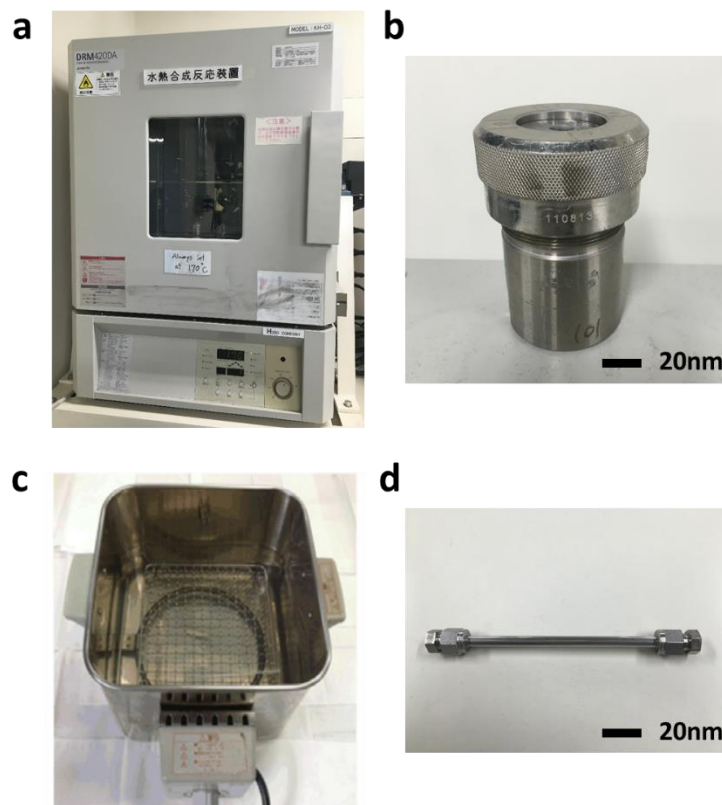


Figure S1. Photographs of the reactors as well as the heating tools used for the synthesis of mordenite. a, the air-circulating oven; b, the stainless steel Teflon[®]-lined autoclave (23 ml); c, the pre-heated oil bath; d, the tubular reactor.

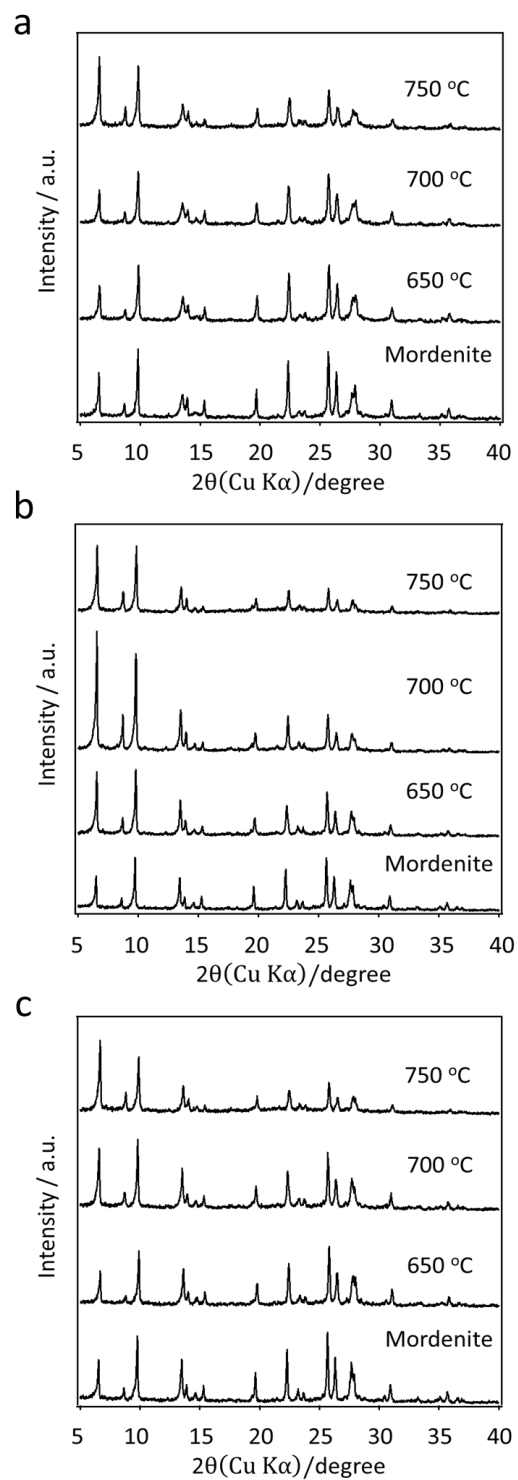


Figure S2. XRD patterns of the calcined mordenite samples. Note that calcination temperature are 650 °C, 700 °C and 750 °C, respectively. a, Mordenite sample synthesized in conventional autoclave without addition of seed; b, Mordenite sample synthesized with raw mordenite seed in tubular reactor; c, Mordenite sample synthesized with milled mordenite seed in tubular reactor.

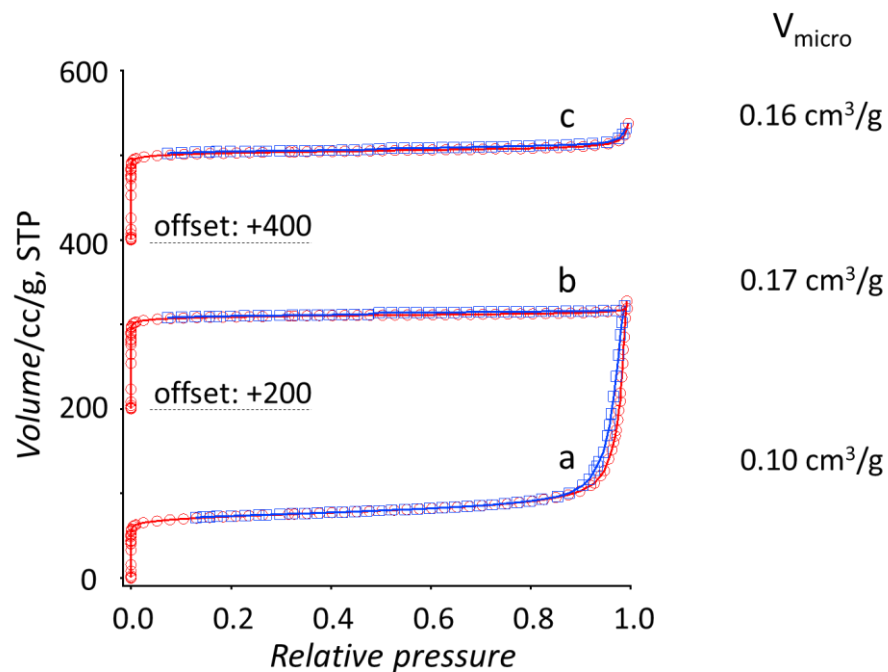


Figure S3. N₂ adsorption-desorption isotherms and micropore volume of mordenite seed and samples. a, N₂ adsorption-desorption curve of milled mordenite seed; b, N₂ adsorption-desorption curve of mordenite synthesized in conventional autoclave; c, N₂ adsorption-desorption curve of mordenite synthesized with milled mordenite seed.