

Supporting Information

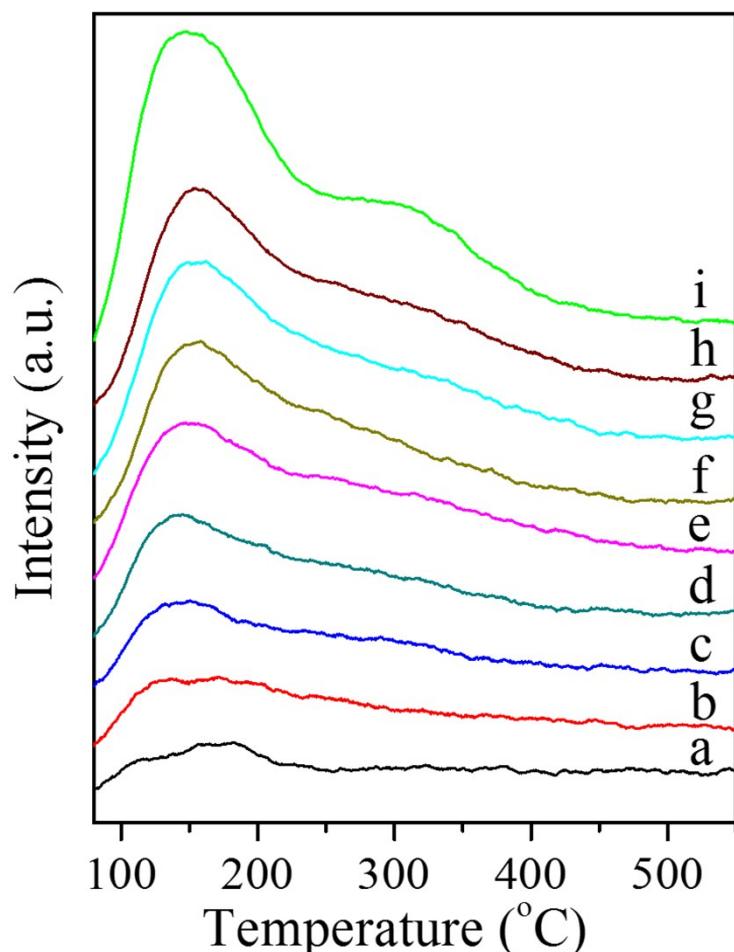


Fig. S1 NH₃-TPD profiles of In₂O₃-Beta composites. (a) In₂O₃, (b) In₂O₃-10%Beta, (c) In₂O₃-20%Beta, (d) In₂O₃-30%Beta, (e) In₂O₃-40%Beta, (f) In₂O₃-50%Beta, (g) In₂O₃-60%Beta, (h) In₂O₃-70%Beta, (i) Beta.

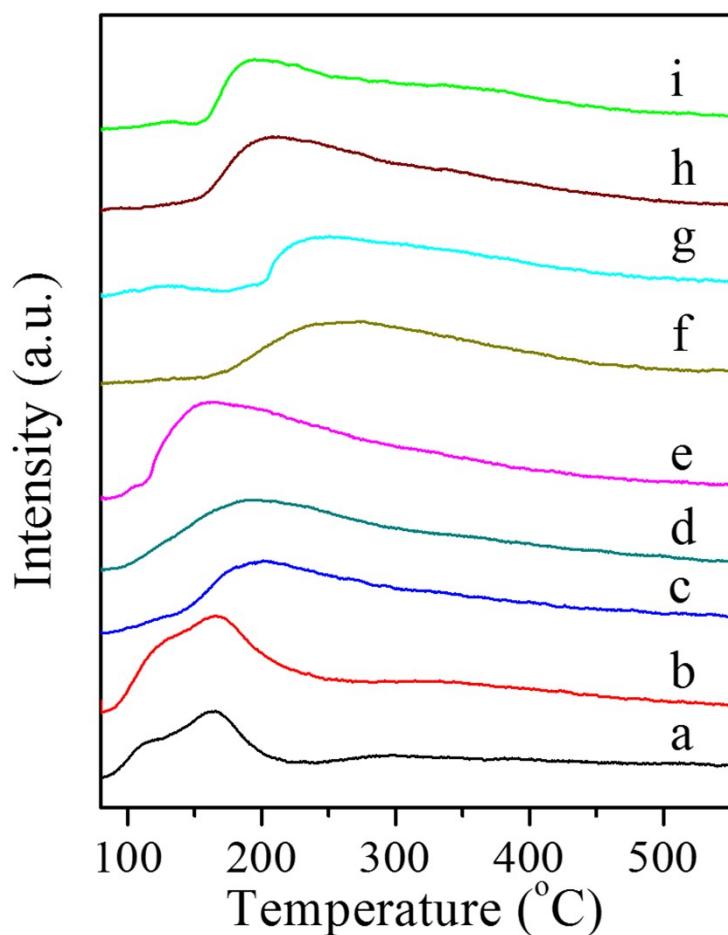


Fig. S2 CO₂-TPD profiles of In₂O₃-Beta composites. (a) In₂O₃, (b) In₂O₃-10%Beta, (c) In₂O₃-20%Beta, (d) In₂O₃-30%Beta, (e) In₂O₃-40%Beta, (f) In₂O₃-50%Beta, (g) In₂O₃-60%Beta, (h) In₂O₃-70%Beta, (i) Beta.

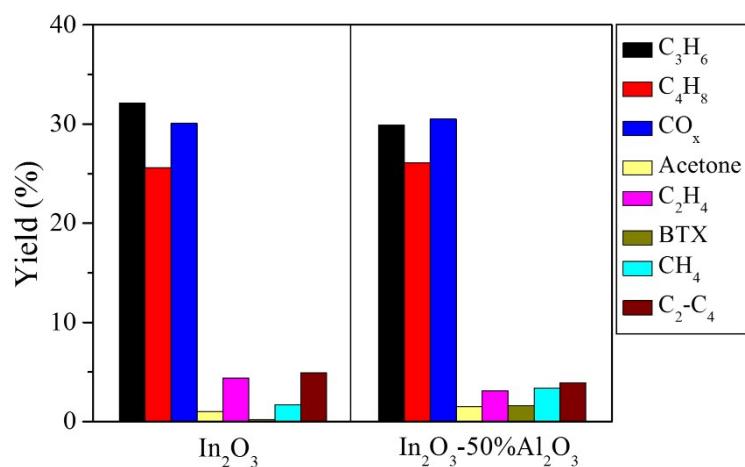


Fig. S3 Product distribution over In_2O_3 and $\text{In}_2\text{O}_3\text{-}50\%\text{Al}_2\text{O}_3$ catalysts for ethanol conversion. Reaction conditions: reaction temperature, 460 °C; WHSV of ethanol, 0.2 h^{-1} ; time-on-stream, 3 h.

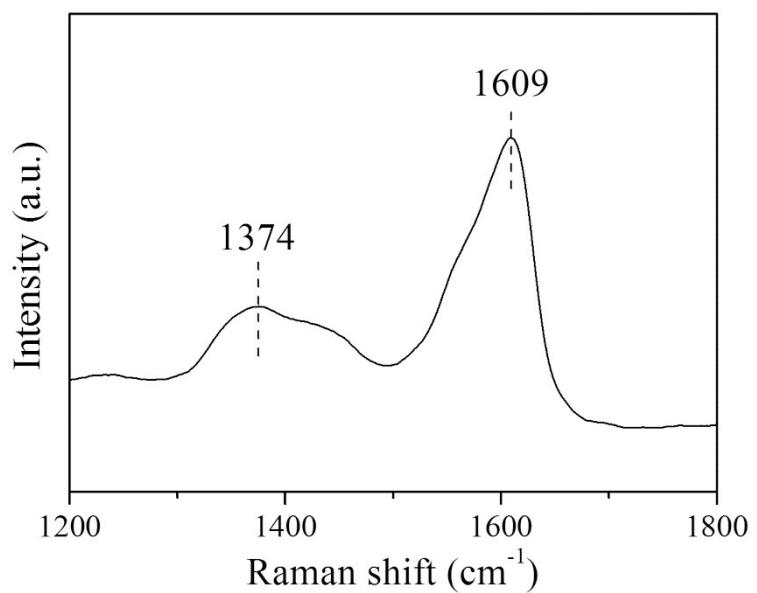


Fig. S4 Raman spectrum of spent In_2O_3 -50%Beta composite after the stability test.