

Figure S1. (A) The XRD patterns and (B) N₂ sorption isotherms of SBA-15, HL-SnO₂/SBA-15.

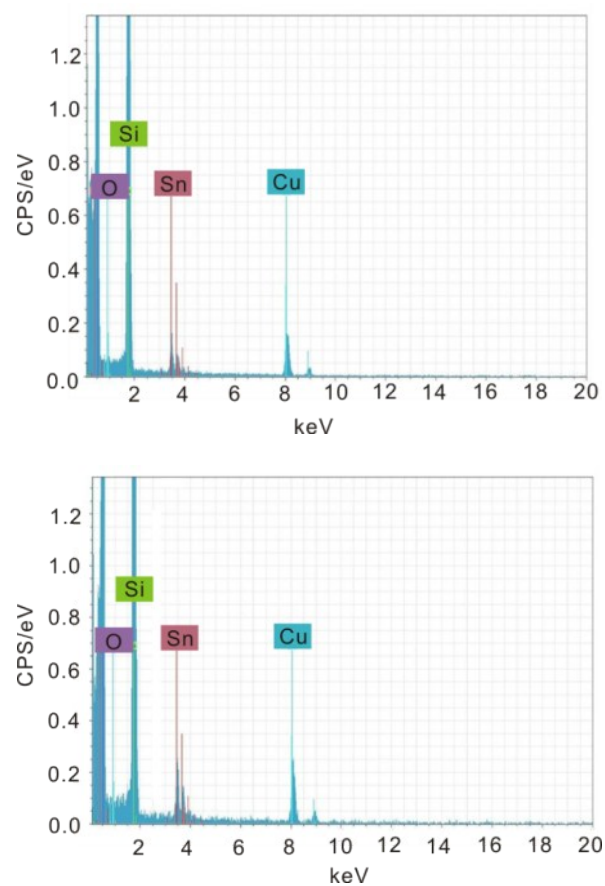


Figure S2. Energy dispersive spectra (EDS) of randomly selected regions on $\text{SnO}_2/\text{SBA-15}$.

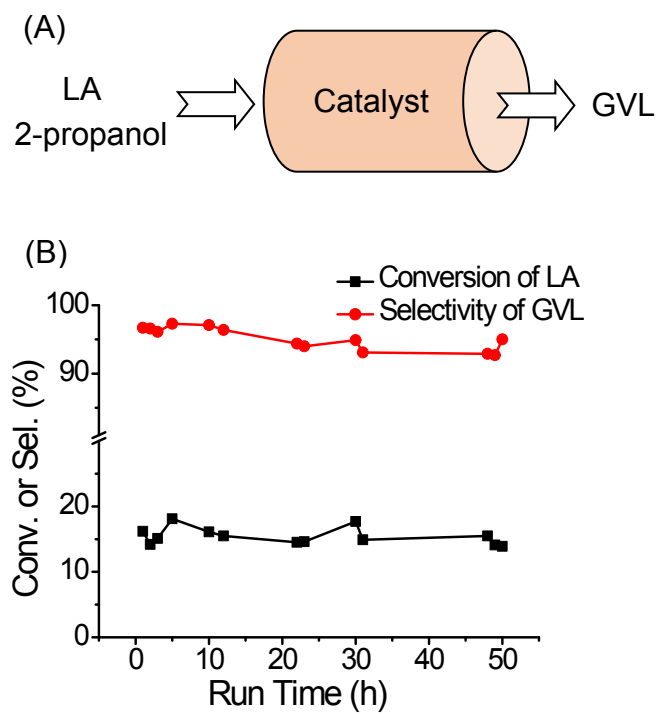


Figure S3. (A) Scheme of the fixed-bed reactor for producing GVL in a continuous system; (B) Dependence of LA conversion and GVL selectivity on time in the fixed-bed reactor. Reaction temperature at 100 °C, reactor volume at 10 ml, 0.2 g of SnO₂/SBA-15, 2.0 wt% LA in 2-propanol solution, 0.2 ml/min N₂.