

### Supplementary Information

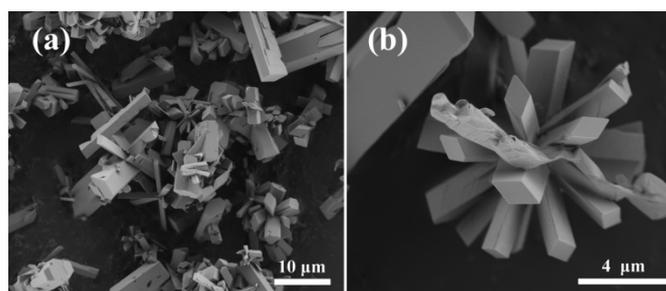


Figure S1 (a) and (b) back scattered electron SEM images of the hydrothermally synthesized samples without KOH

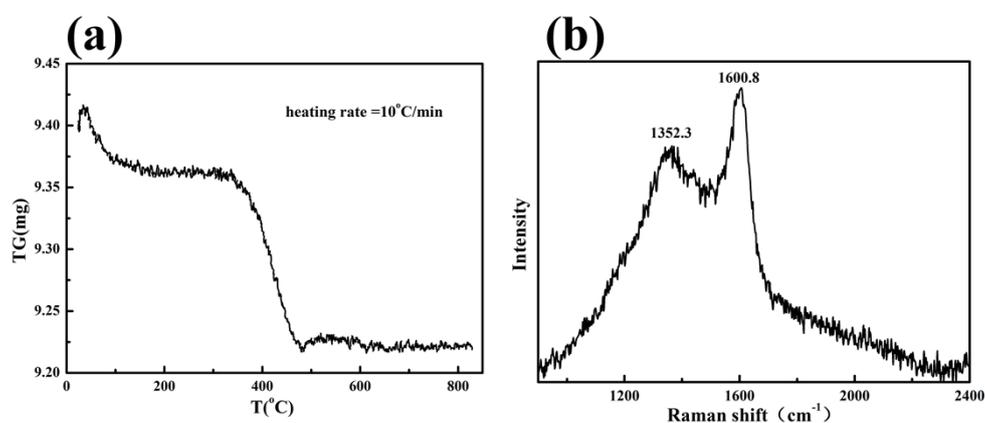


Figure S2 (a) TG and (b) Raman spectra of a representative  $\text{LiMnPO}_4/\text{C}$  sample

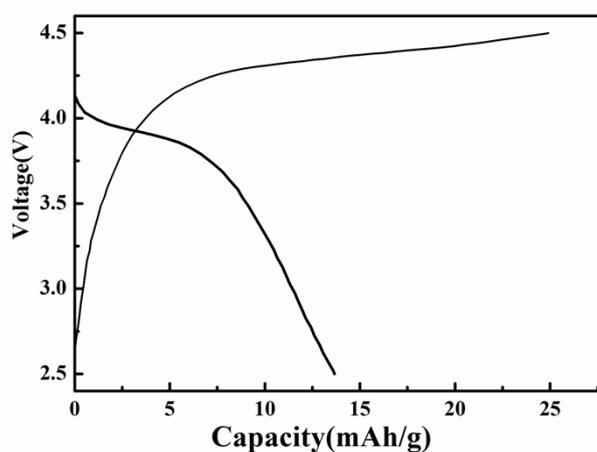


Figure S3 Galvanostatic charge-discharge profiles of the raw  $\text{LiMnPO}_4$  flower-like nanostructures