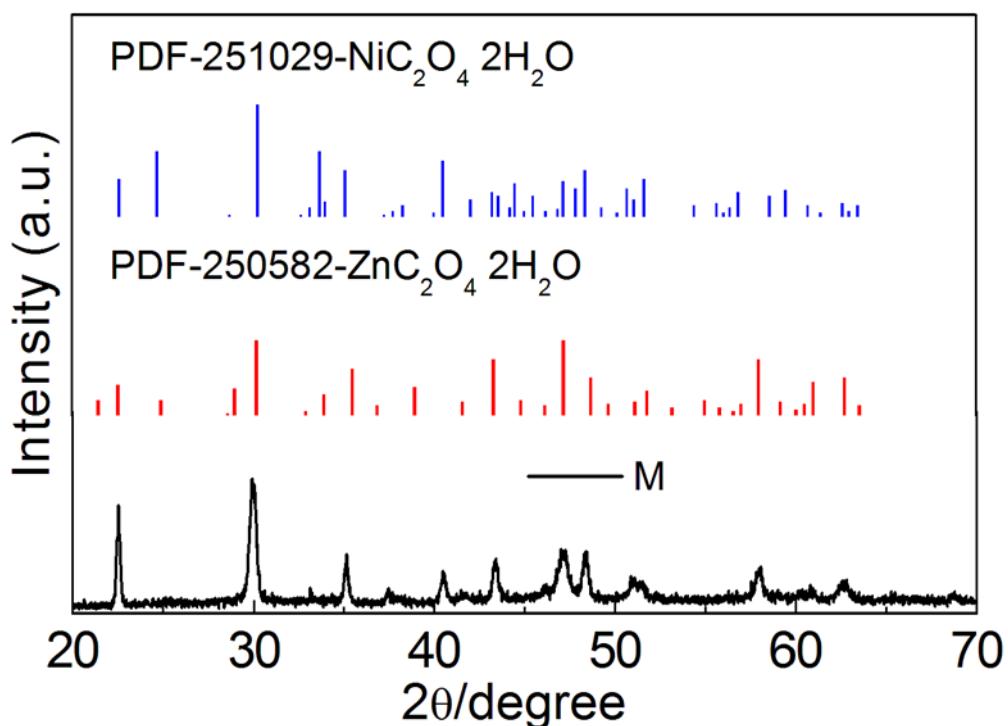
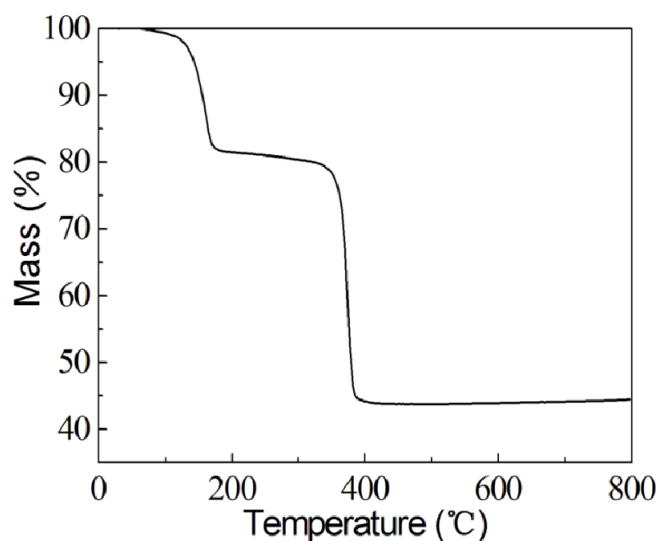


Electronic Supplementary Information (ESI)

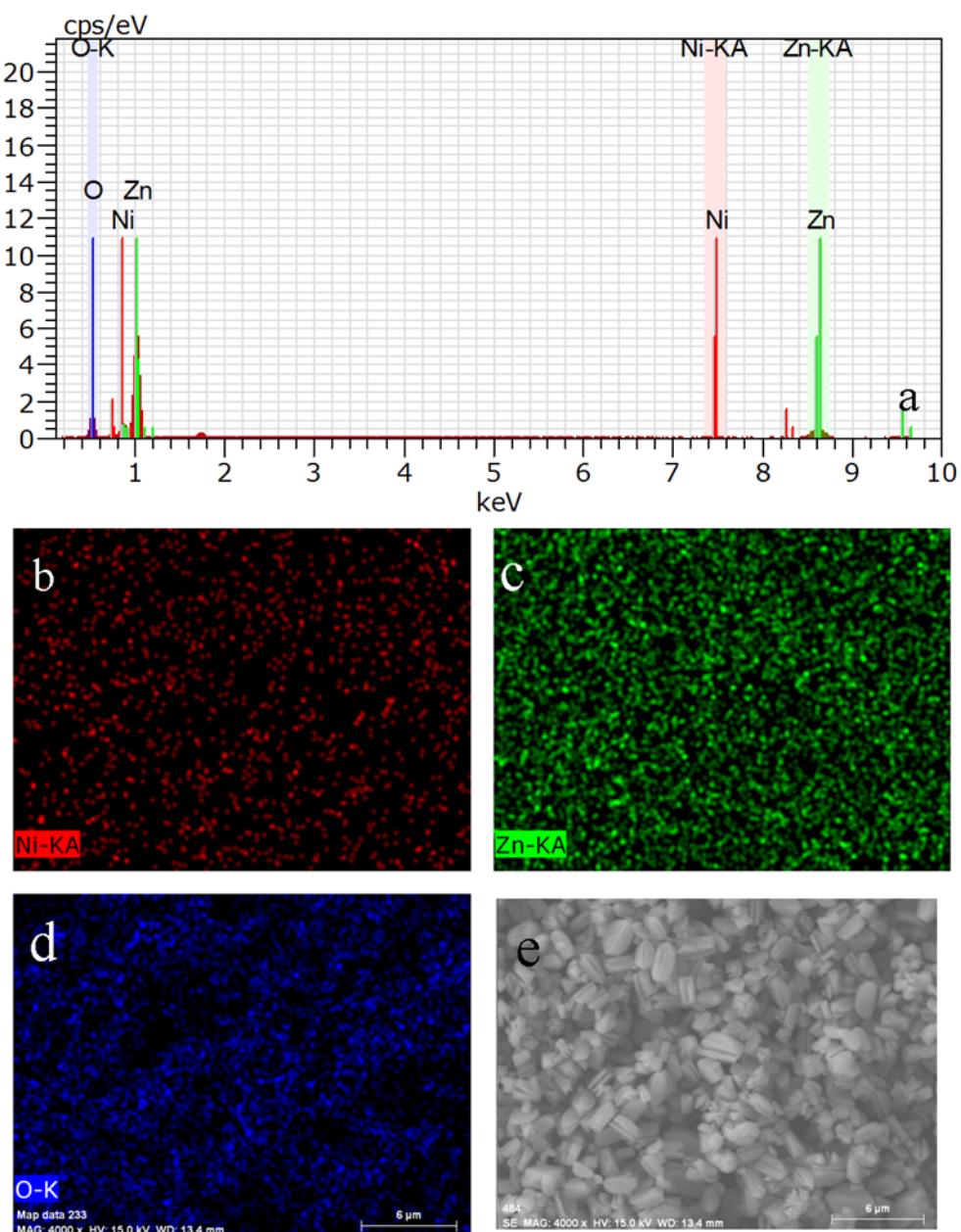


ESI Fig. 1 XRD pattern of M; JCPDS 02-0528 ZnC₂O₄·2H₂O; JCPDS 25-1029

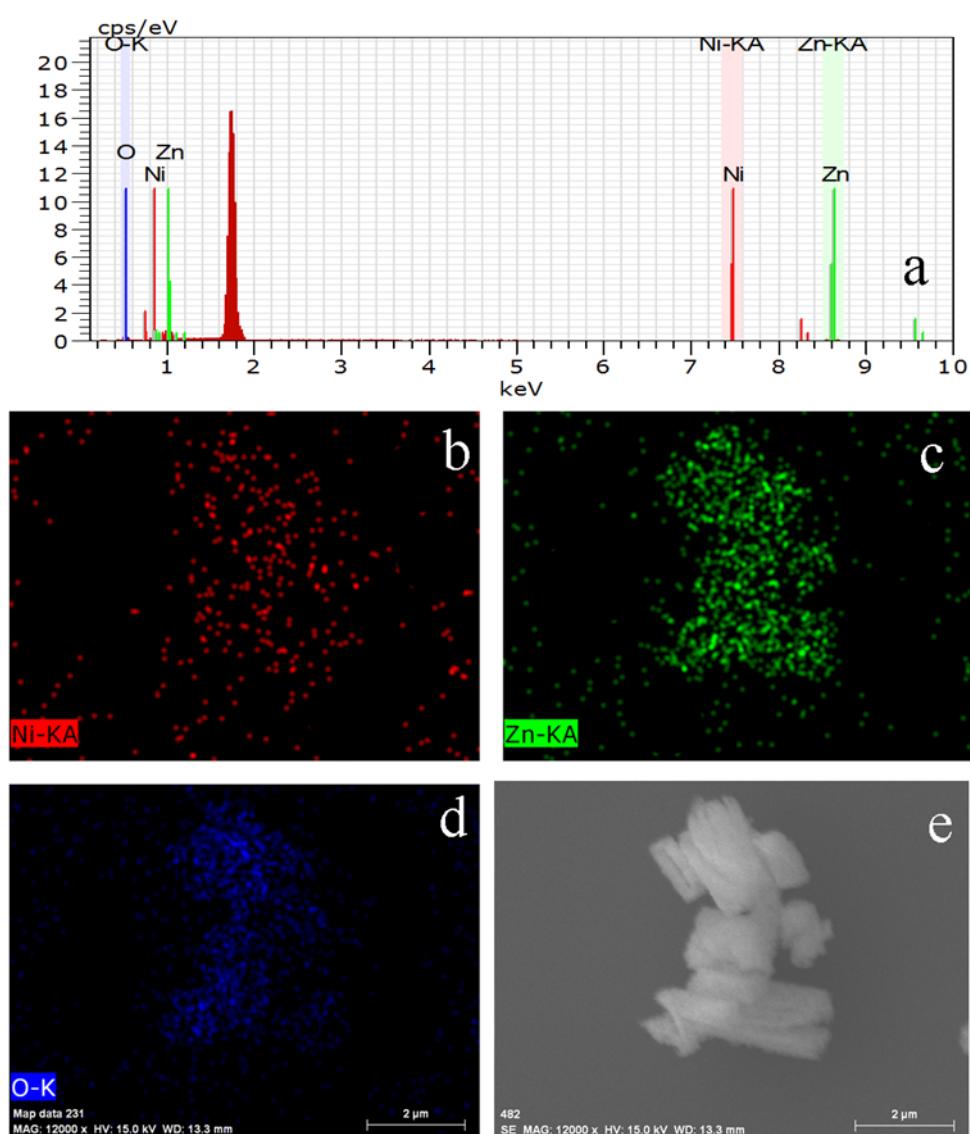
NiC₂O₄·2H₂O.



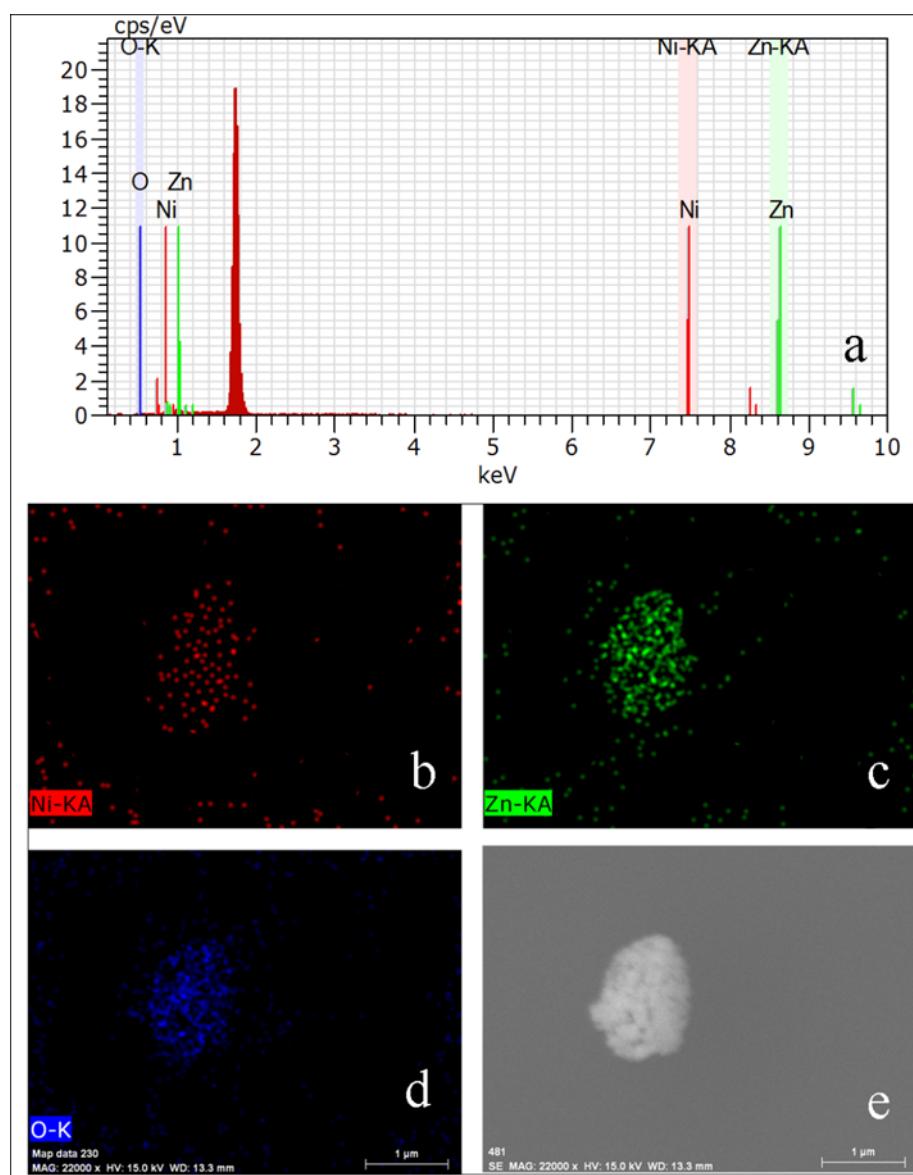
ESI Fig. 2 TG curve of the precursor



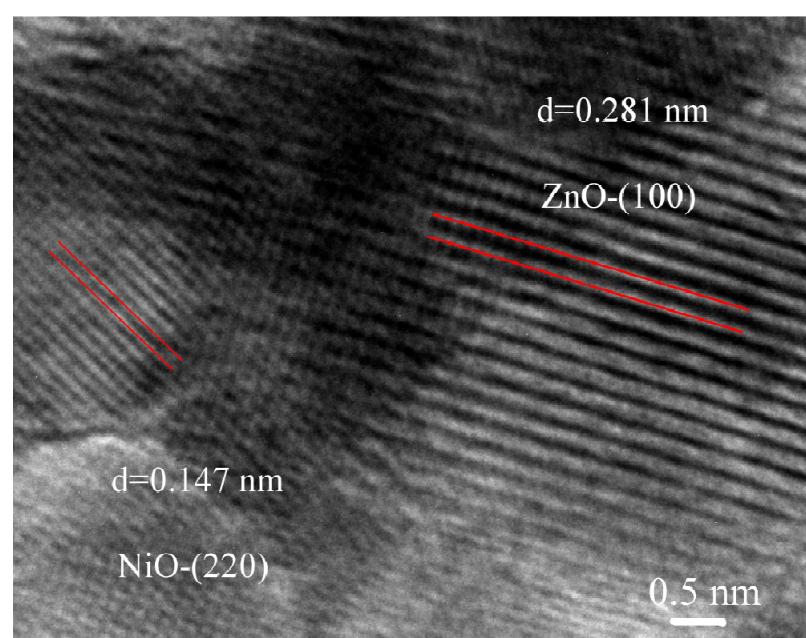
ESI Fig. 3 EDS mapping images of P1



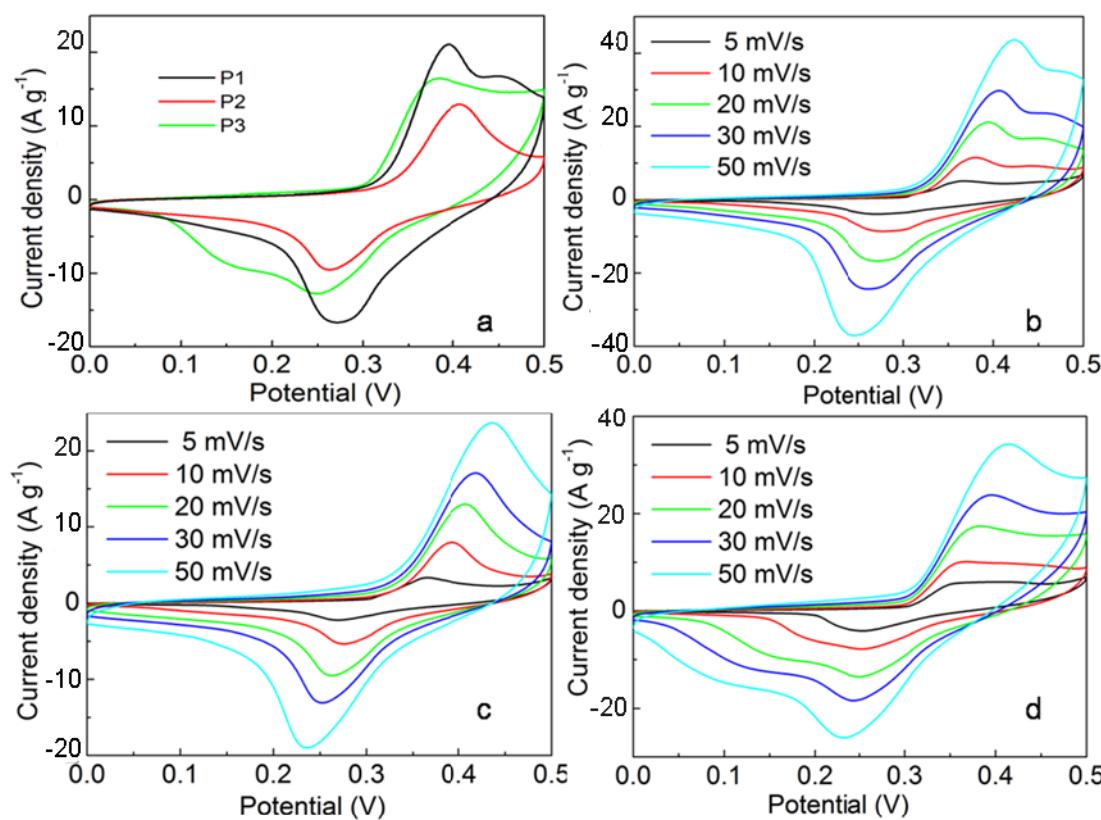
ESI Fig. 4 EDS mapping images of P2



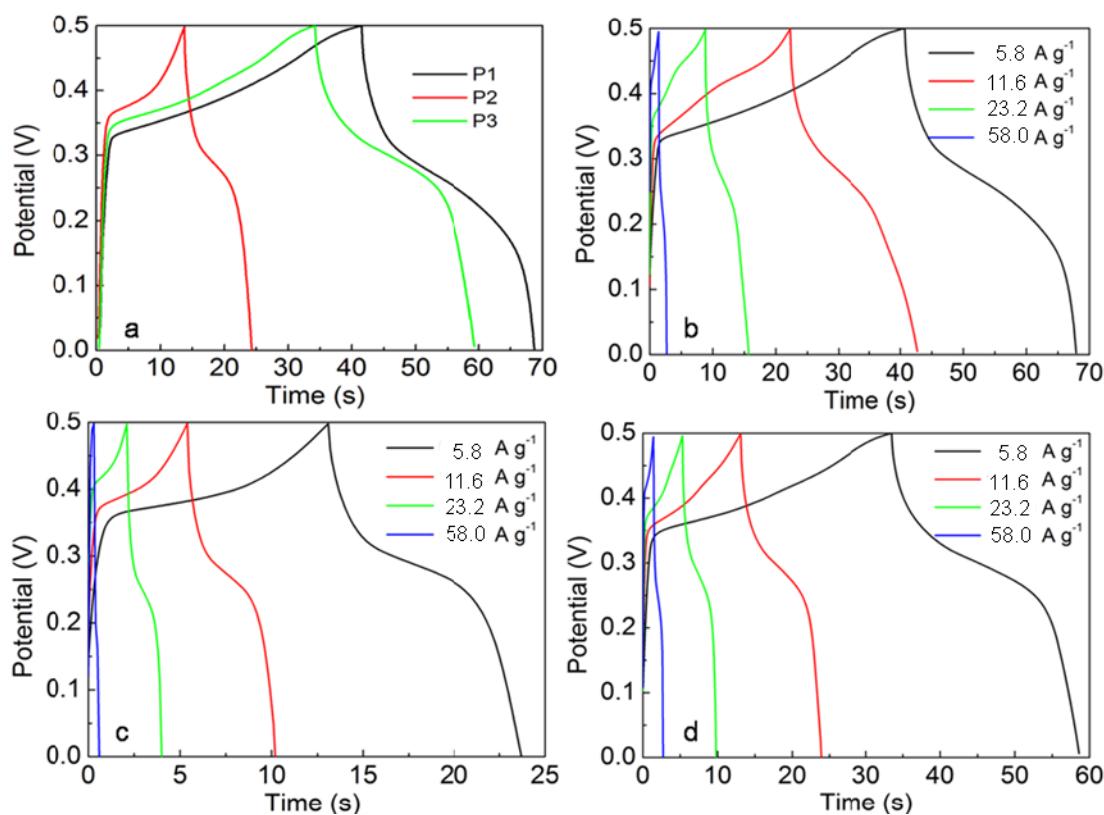
ESI Fig. 5 EDS mapping images of P3



ESI Fig. 6 HRTEM image of P3.



ESI Fig. 7 (a) CV curves of P1-P3 at the scan rate of 20 mV s^{-1} ; (b-d) cyclic voltammetry experiments within a 0.0–0.50 V range at a scan rate from 5 to 100 mV s^{-1} were performed on the P1-P3 electrodes in 1.0 M KOH electrolyte at room temperature.



ESI Fig. 8(a) the galvanostatic charge–discharge curves of P1-P3 at 5.8 A g^{-1} in 1.0 M KOH electrolyte at room temperature; (b-d) the galvanostatic charge–discharge curves of P1-P3 when current densities were $5.8, 11.6, 23.2$ and 58.0 A g^{-1} in 1.0 M KOH electrolyte at room temperature.