Electronic Supplementary Material (ESI) for RSC Advances.

Supporting Information

Hybrid SnO_2-Co_3O_4 nanocubes prepared via $CoSn(OH)_6$ intermediate through sonochemical route for Energy Storage Applications

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Figure S1. FESEM images of (a) bare SnO_2 and (b) pristine Co_3O_4

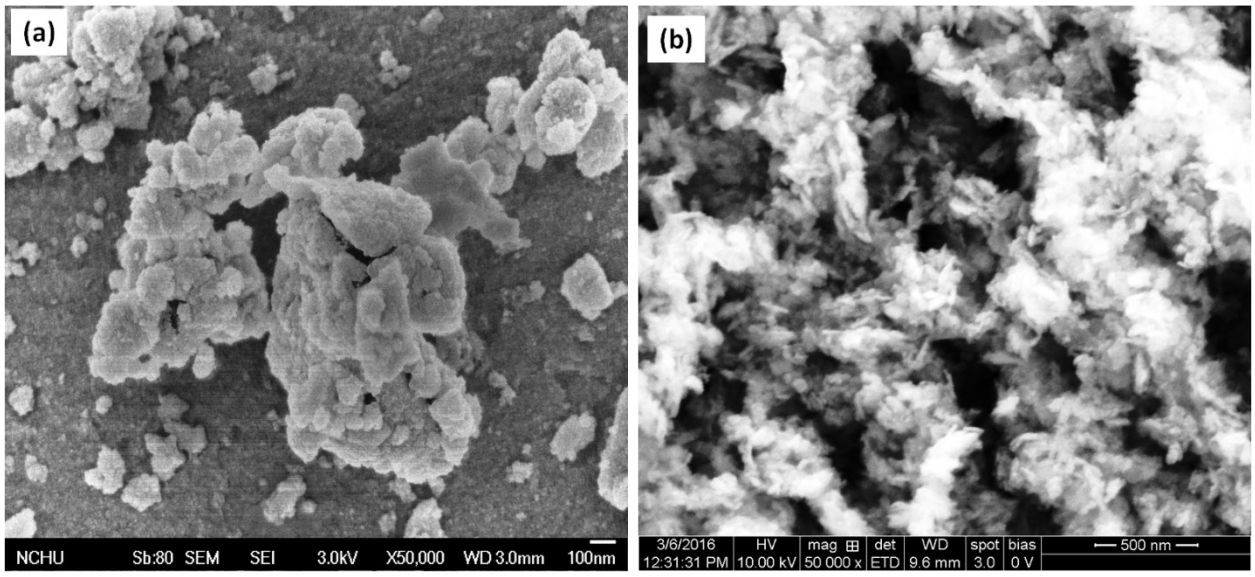

Figure S2. CV curve for (a) intermediate $CoSn(OH)_6$ and (b) bare SnO_2 at different scan rates 5 mV s^{-1}, 10 mV s^{-1}, 20 mV s^{-1}, 40 mV s^{-1}, 80 mV s^{-1}, and 160 mV s^{-1} in the potential range between 0 to +1 V *vs*. Ag/AgCl in aqueous solution of 1 M Na_2SO_4 as electrolyte (a-f).

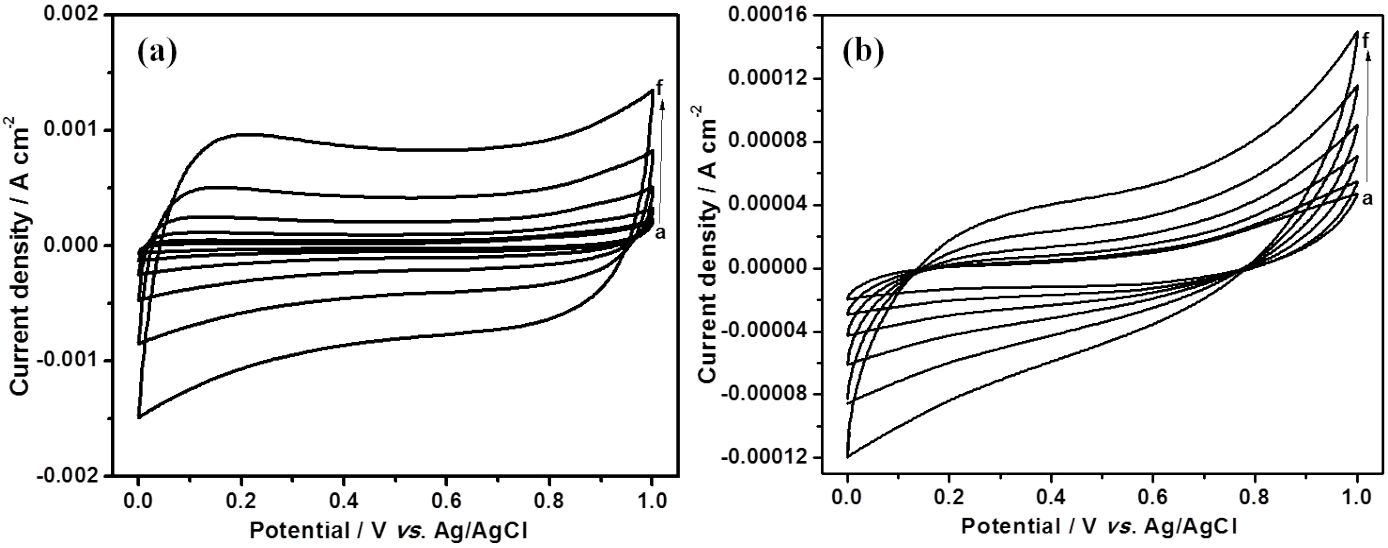

Figure S3. Charge–discharge cycles of (a) intermediate $CoSn(OH)_6$ and (b) bare SnO_2 at a current density of 0.5 mA cm^{-2}

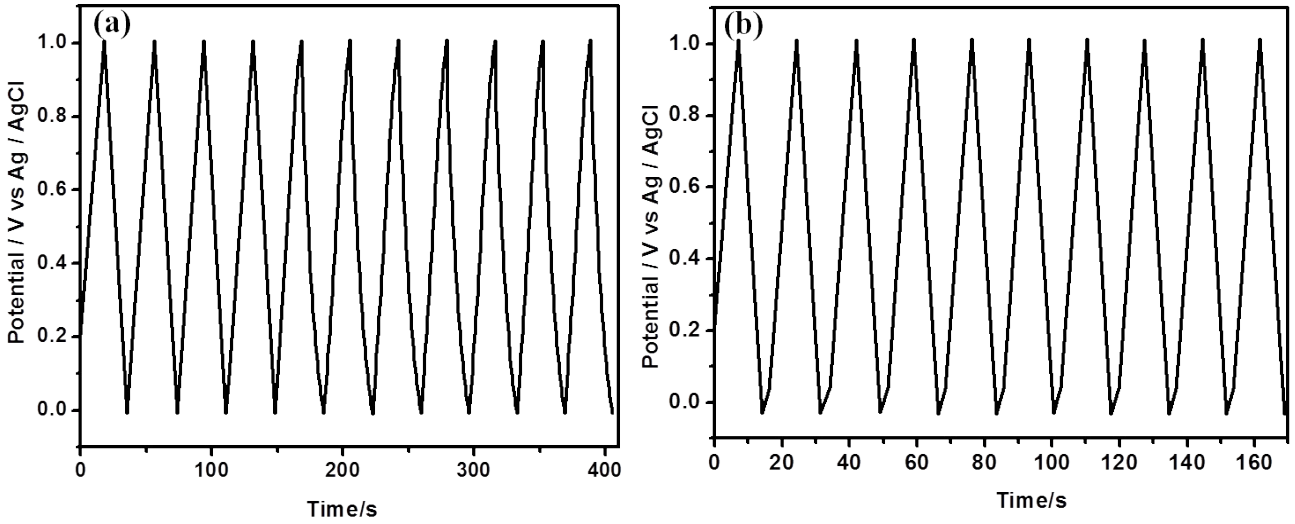

Figure S4. Cycling behavior of (a) intermediate $CoSn(OH)_6$ and (b) bare SnO_2