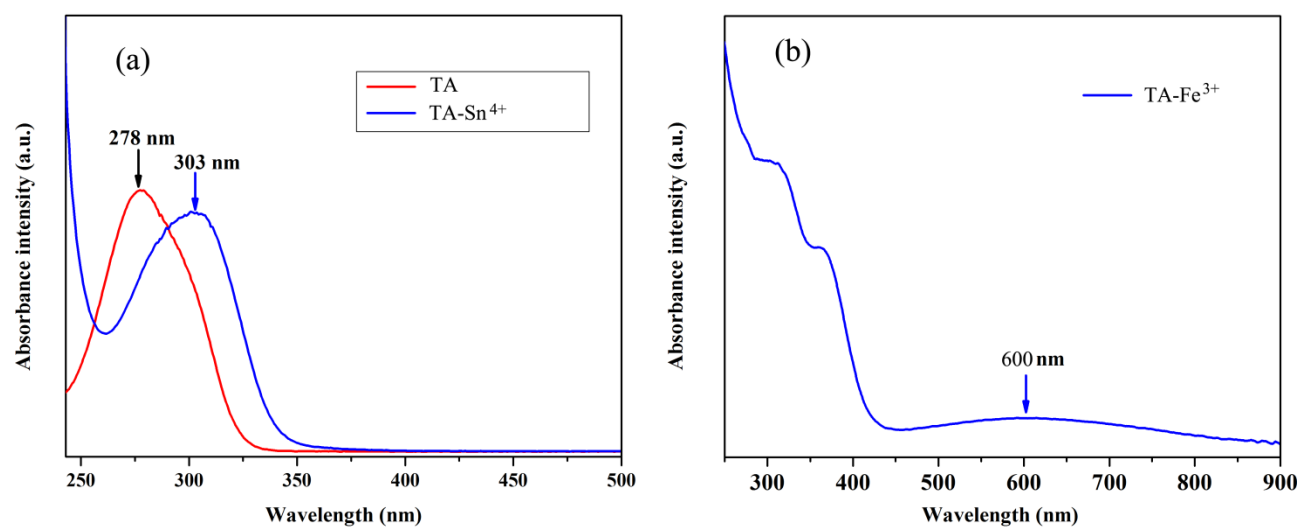
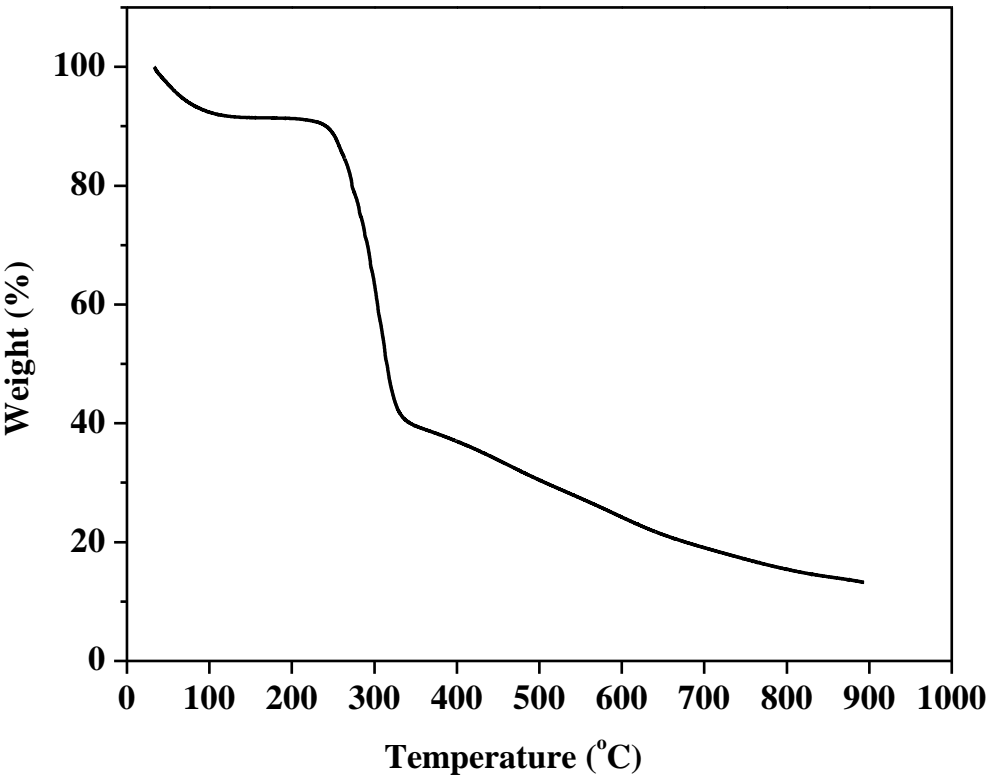


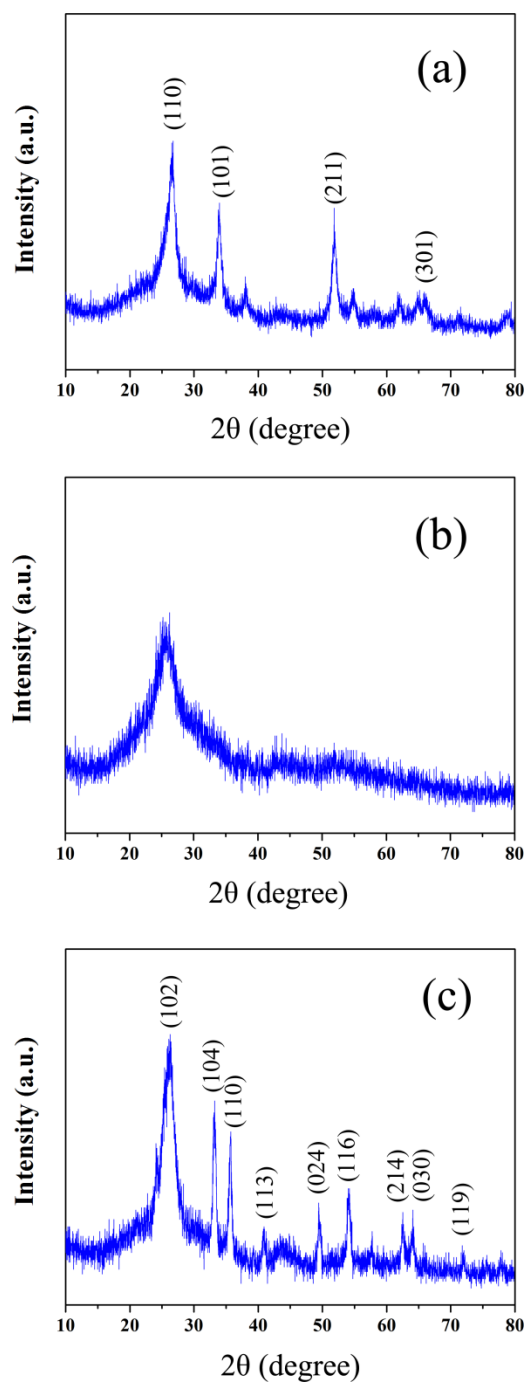
Supporting information



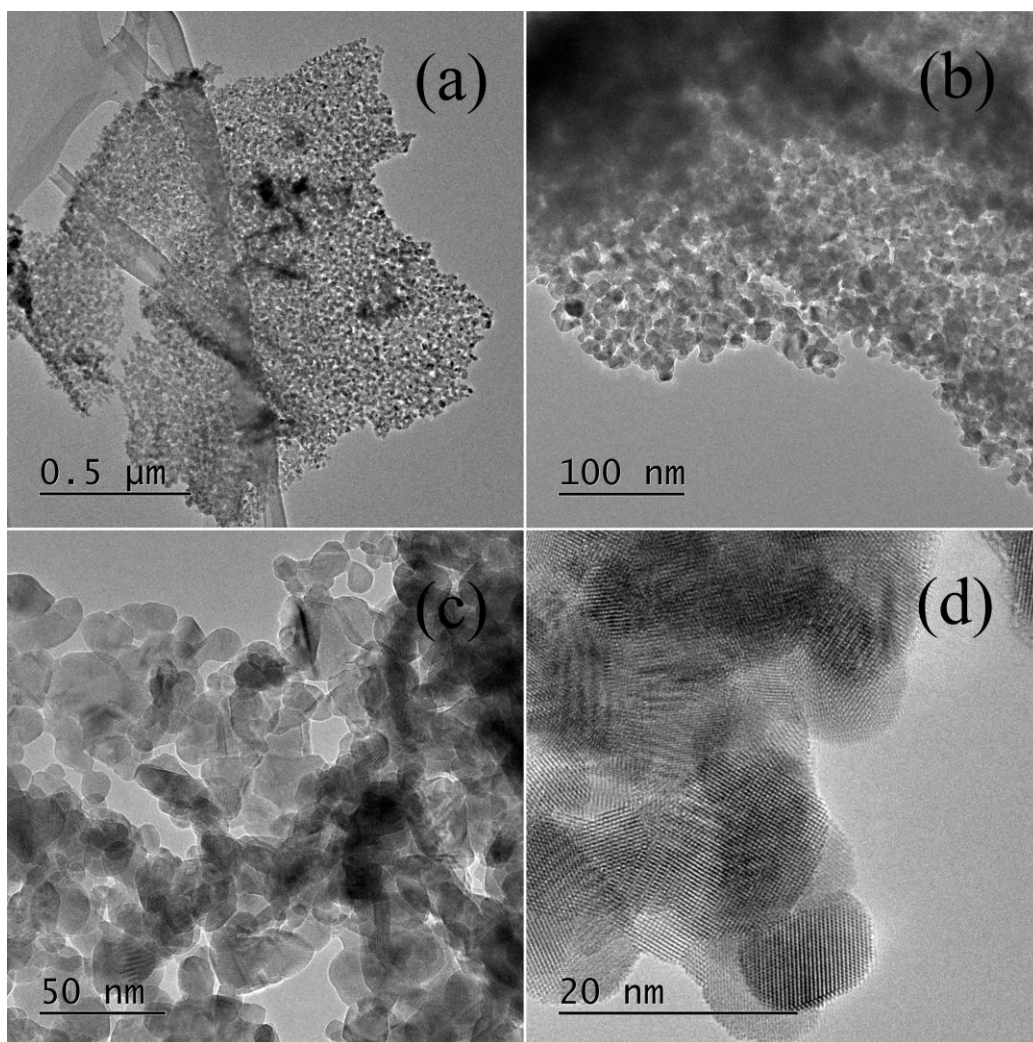
ESI, S1†. UV-visible spectra of TA, TA-Sn⁴⁺ (a) and TA-Fe³⁺ (b) in ethanol.



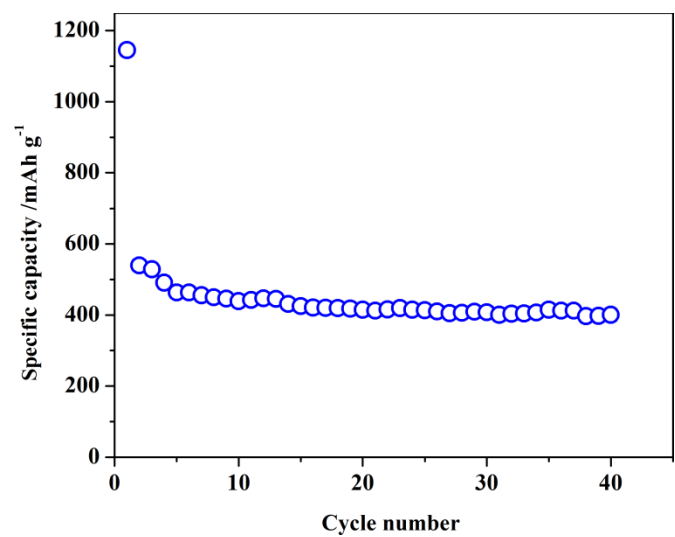
ESI, S2†. TGA spectrum of TA in N₂ flow.



ESI, S3†. X-ray diffraction (XRD) patterns of the C-SnO₂/rGO (a, b) (a: prepared at 500 °C, b: prepared at 400 °C) and the C-Fe₂O₃/rGO (c).



ESI, S4†. Transmission electron microscopy (TEM) images of the C-SnO₂/rGO at 500 °C with different magnifications.



ESI, S5†. Discharge profile of the C-SnO₂/rGO at 400 °C at a current density of 400 mA g⁻¹ in a voltage window of 0.02-1.5 V.