Electronic Supplementary Information (ESI)

Electrospun $\alpha$-Fe$_2$O$_3$ Nanostructures for Supercapacitor Applications

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EDX spectra of α-Fe₂O₃ PF.
EDX spectra of α-Fe₂O₃ NG.
XPS spectrum (wide) of the \( \alpha\text{-Fe}_2\text{O}_3 \) PFS (black) and NGs (red) nanostructures showing the elemental composition. The spectrum also indicates the presence of a small amount of adventitious C1s feature.
CV curves of PF electrode at different cycle number (a). CV curves of NG electrode at different cycle number (b).
A comparison of the CV traces of PF, NG and the Ni substrate at a scan rate of 100 mV/s. It is obvious from the traces that the electrochemical activity of the substrate is negligible in comparison to that of the metal oxides.