

Supporting Information

Phthalocyanine polymer grafted graphene oxide matrix as high-performance anode material for lithium-ion batteries

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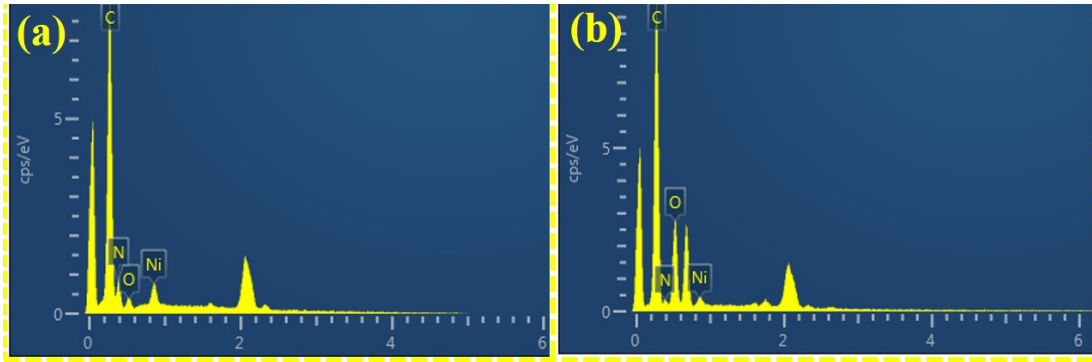


Fig. S1 Elemental distribution of CONH-NiPc and GO-CONH-NiPc polymers

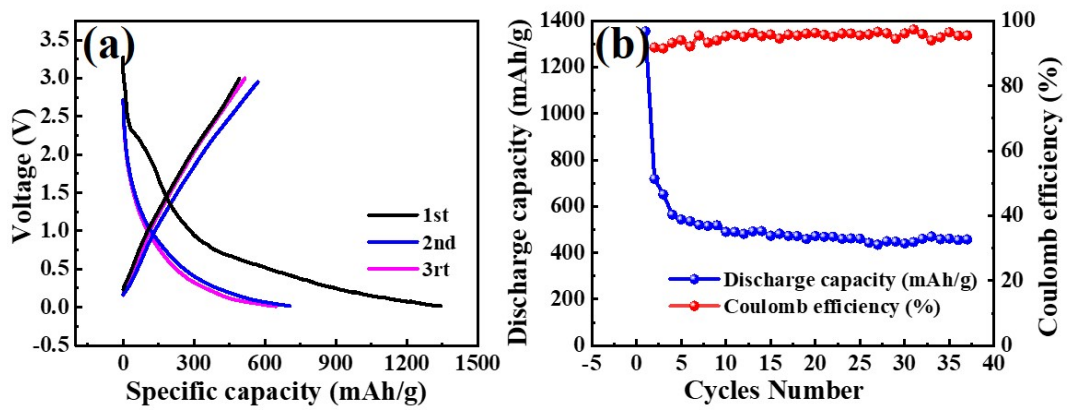


Fig. S2 (a) Initial charge-discharge curves of GO and (b) cycling curves of GO

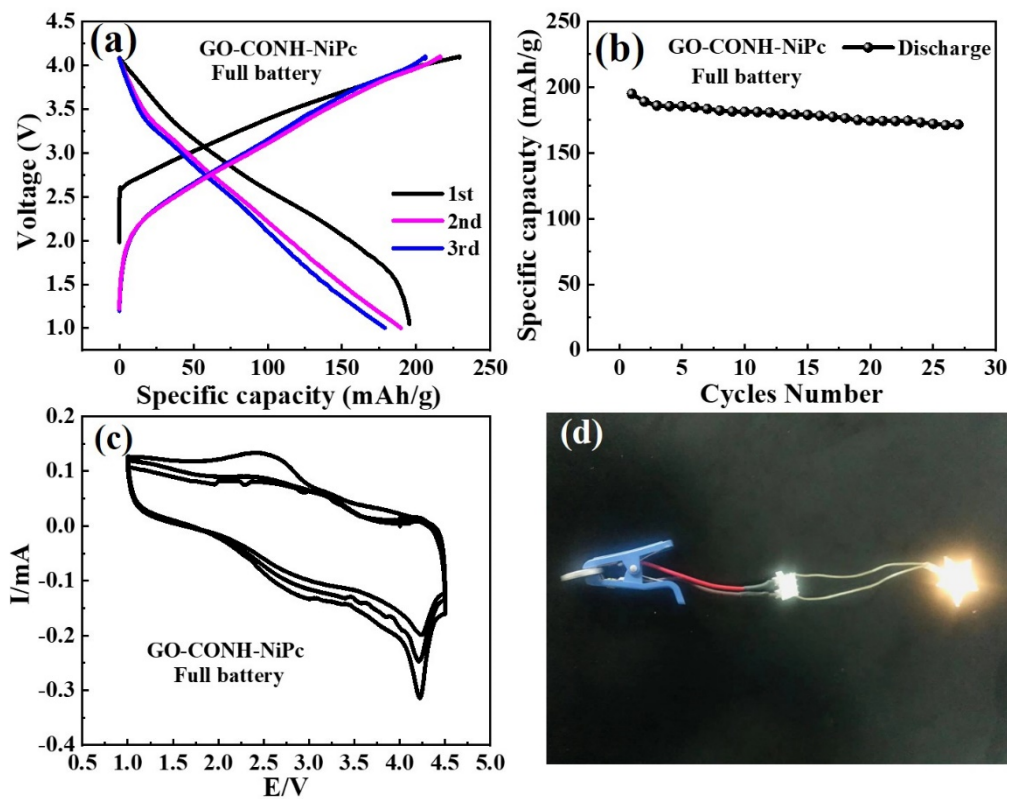


Fig. S3; (a) Initial charge/discharge curves of GO-CONH-NiPc/NCM-811 battery; (b) cycling curves of GO-CONH-NiPc/NCM-811 battery; (c) CV curves of GO-CONH-NiPc/NCM-811 battery; (d) Photo of the GO-CONH-NiPc/NCM-811 fully battery-powered illuminated LED light.

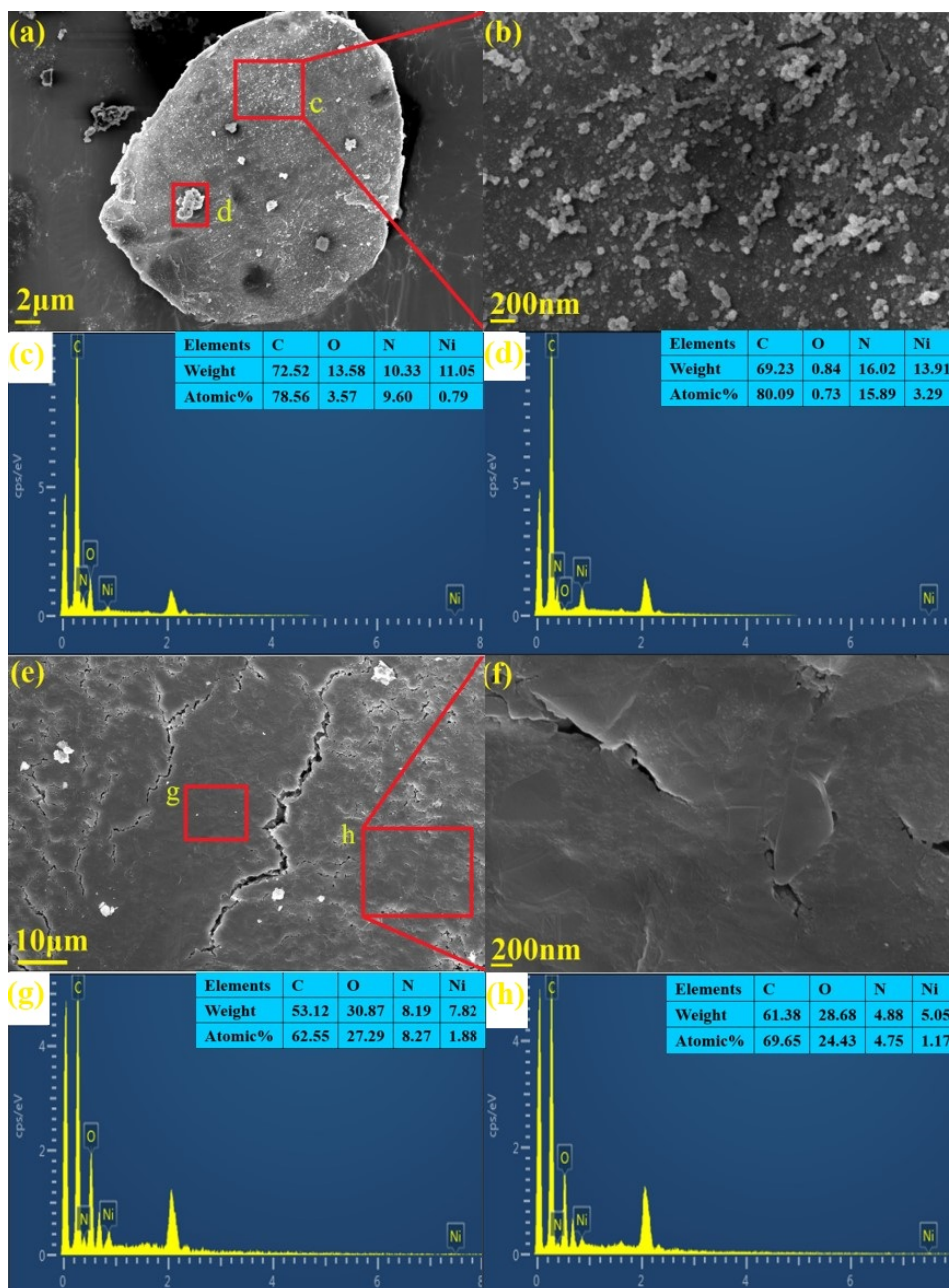


Fig. S4 EDS images of GO-CONH-NiPc (a-d) primitive and (e-h) after of 450 cycles