## **Supporting Information**

## Morphology and crystal phase evolution induced performance enhancement of $MnO_2$ grown on reduced graphene oxide for lithium ion batteries

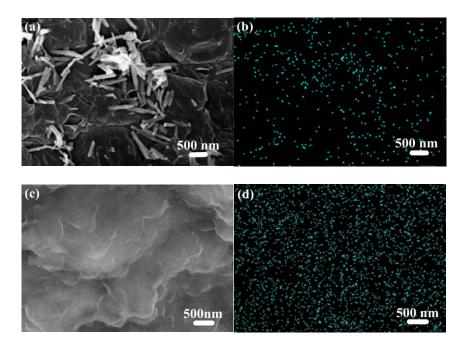
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**Figure S1.** (a) SEM image and (b) corresponding elemental Mn mapping of the  $MnO_2$ -NR/rGO before cycling; (c) SEM image and (d) corresponding Elemental Mn mapping of the  $MnO_2$ -NR/rGO after 300 cycles at the current density of 1.0 A g<sup>-1</sup>.