Supplementary Information

Acid-treated Reduced Graphene Oxides/Mn$_3$O$_4$ Nanorods Nanocomposite as an Enhanced Anode Material for Lithium Ion Batteries

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Fig. S1 SEM images of the ArGO/Mn₃O₄ NR after 100 cycles.
Fig. S2 Cycle performance of ArGO at a current density of 200 mA g⁻¹.

Fig. S3 Comparative cycle performance of Mn₃O₄ NR, rGO/Mn₃O₄ NR and ArGO/Mn₃O₄ NR.
The areal loading of the active materials

\[
\frac{0.7 \text{ (Total electrode weight - Cu weight)}}{0.95} \text{mg} \cdot \text{cm}^{-2}
\]

Mn$_3$O$_4$ electrode : 0.54 mg/cm$^2$

rGO/Mn$_3$O$_4$ electrode : 0.50 mg/cm$^2$

ArGO/Mn$_3$O$_4$ electrode : 0.56 mg/cm$^2$