Electronic supplement information:

A Facile Route to Synthesize Transition Metal Oxide/Reduced Graphene Oxide Composites and Li-ions Storage Performance

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Figure S1. AFM image of a GO monolayer deposited on a SiO$_2$ substrate.
**Figure S2.** Typical SEM images for Mn (a), Fe (b), Co (c), and Zn (d) powder.
Figure S3. XRD results for metal powders.
Figure S4. XRD patterns for Sample 2-5 and Sample 22 containing Zn.
Figure S5. XRD patterns for Sample #7-13 and Sample #23 containing Fe.
Figure S6. XRD patterns for Sample 15-20 and Sample 24 containing Mn.
Figure S7. TGA and DSC curves for Fe$_2$O$_3$/RGO composite.