



Facile One-Step Hydrothermal Synthesis of the rGO@Ni₃V₂O₈ Interconnected Hollow Microspheres Composite for Lithium-Ion Batteries

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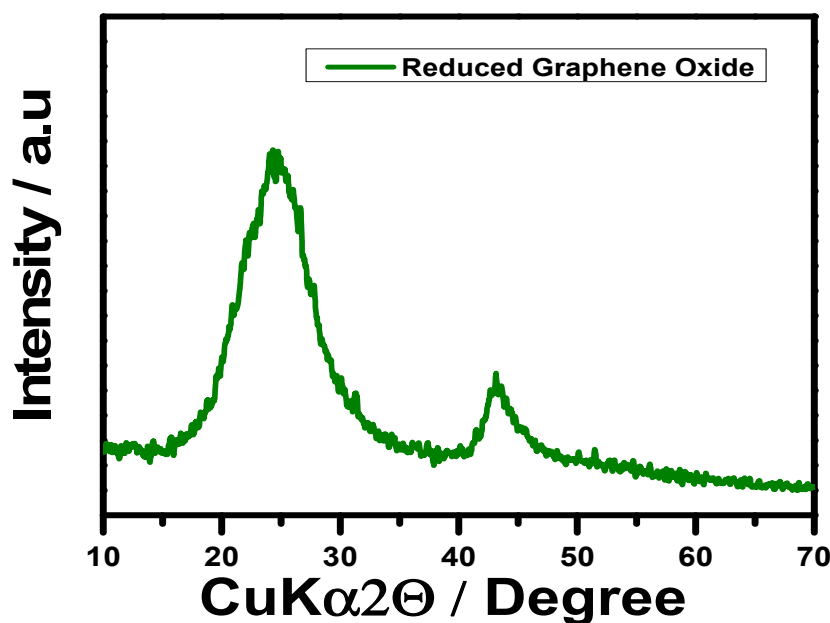


Figure S1. XRD analysis of as synthesis reduced graphene oxide.

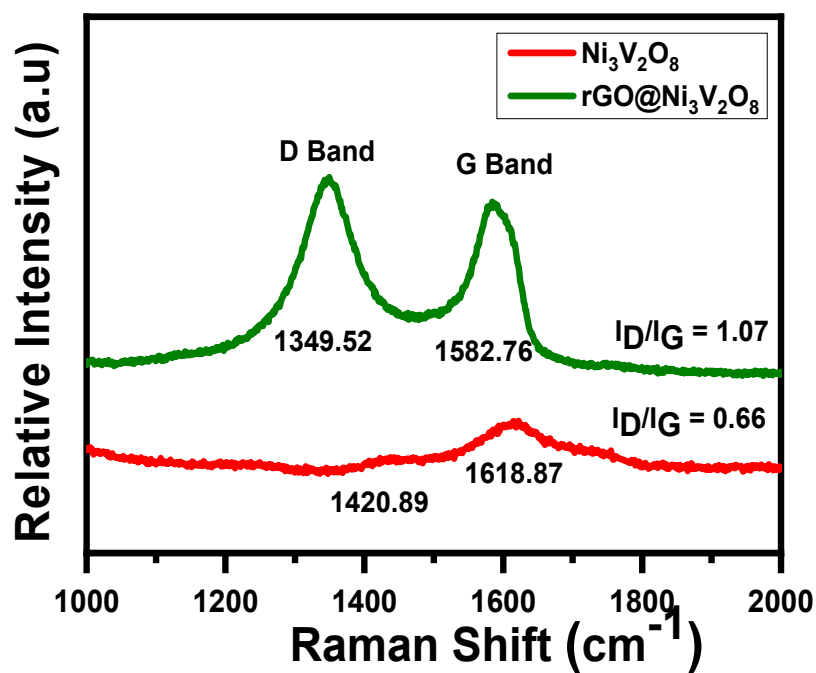


Figure S2. Raman spectroscopy analysis of $\text{Ni}_3\text{V}_2\text{O}_8$ microspheres and $\text{rGO@Ni}_3\text{V}_2\text{O}_8$ interconnected hollow microspheres composite.

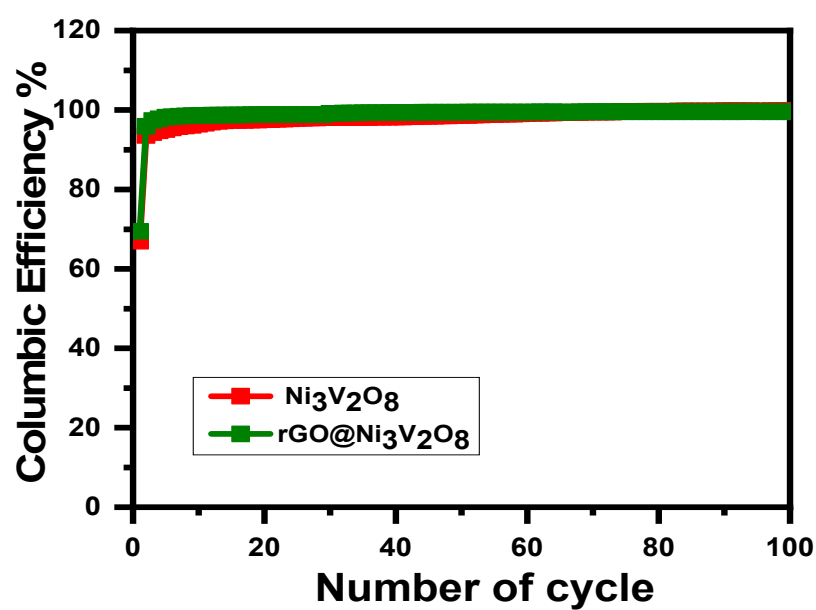


Figure S3. Coulombic efficiency vs number of cycle graph of $\text{Ni}_3\text{V}_2\text{O}_8$ microspheres and $\text{rGO@Ni}_3\text{V}_2\text{O}_8$ interconnected hollow microspheres composite.

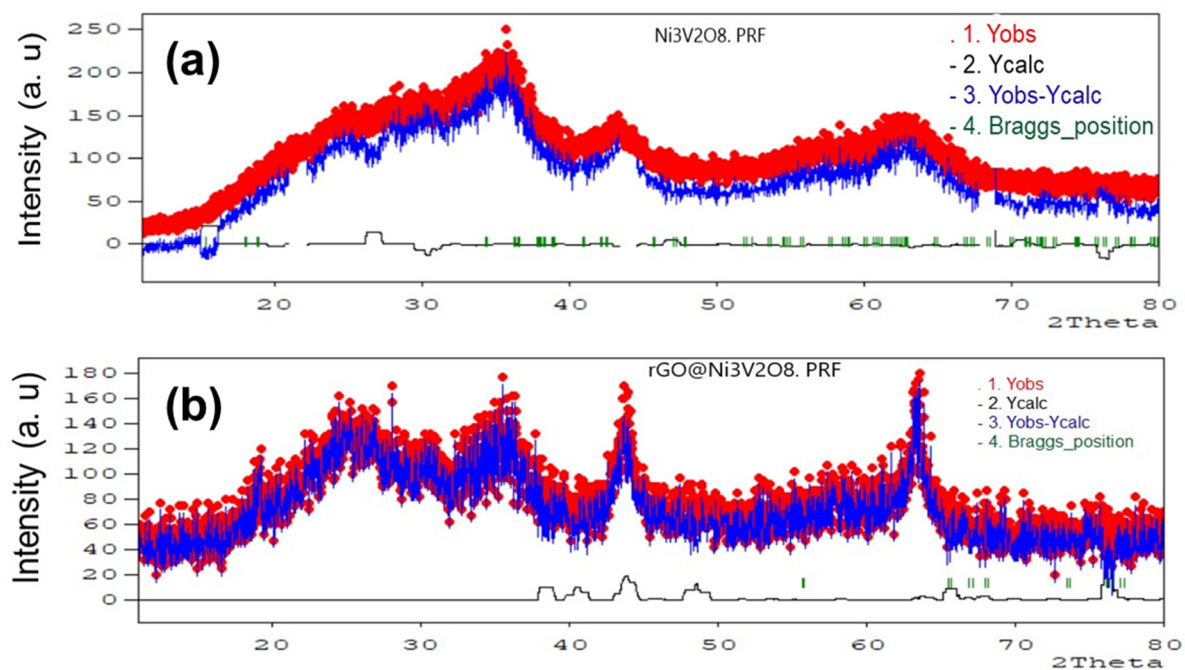


Figure S4. Rietveld refinement of XRD analysis of as synthesis (a) $\text{Ni}_3\text{V}_2\text{O}_8$ microspheres, and (b) $\text{rGO@Ni}_3\text{V}_2\text{O}_8$ interconnected hollow microspheres composites.

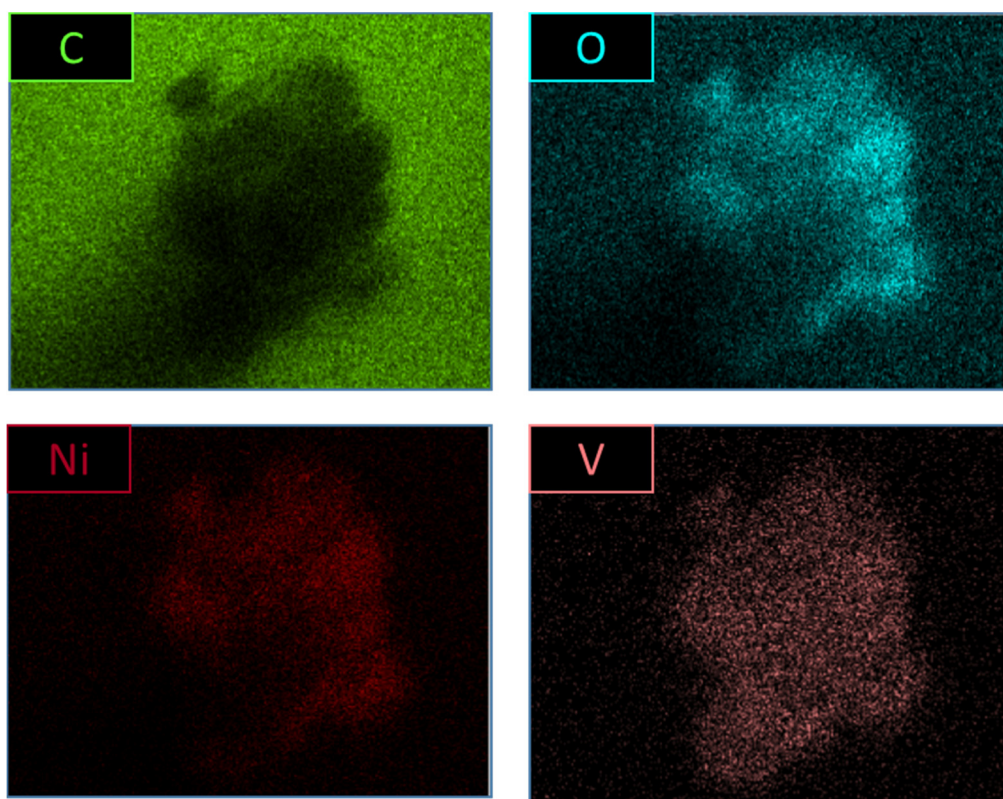


Figure S5. EDS Elemental analysis of as synthesis $\text{Ni}_3\text{V}_2\text{O}_8$ microspheres, (a) C, (b) O, (c) Ni, and (d) V.

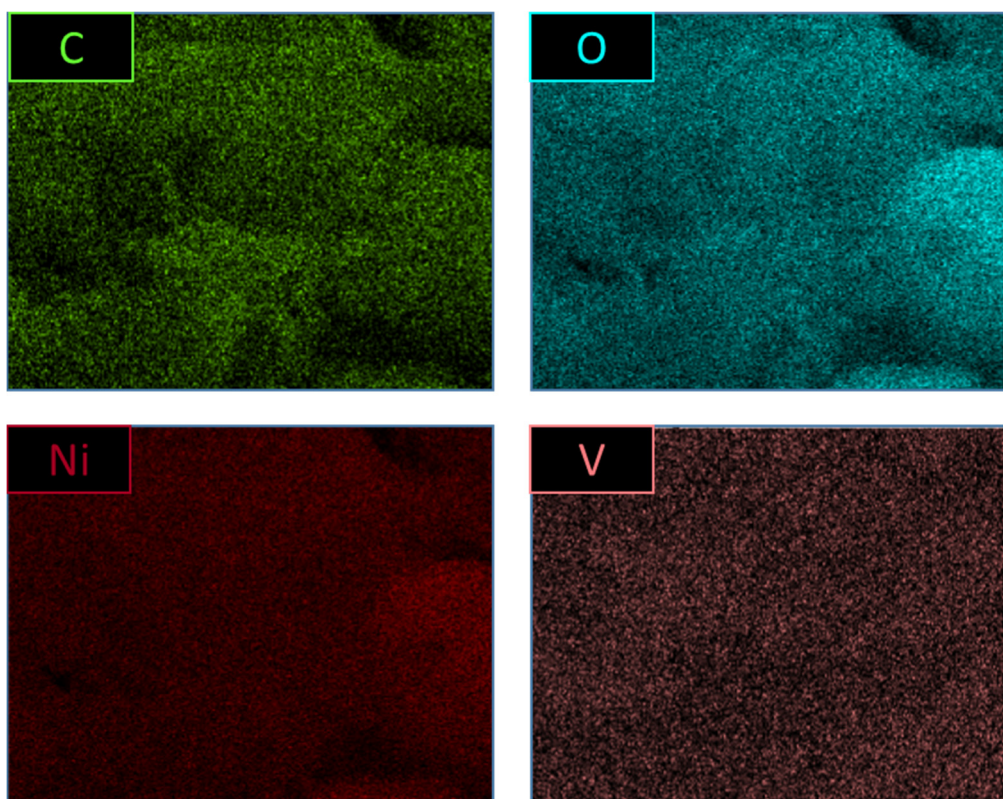


Figure S6. EDS Elemental analysis of as synthesis rGO@Ni₃V₂O₈ microspheres, (a) C, (b) O, (c) Ni, and (d) V.