

3D hierarchical porous α -Ni(OH)₂/graphite nanosheet composite as electrode material for supercapacitors

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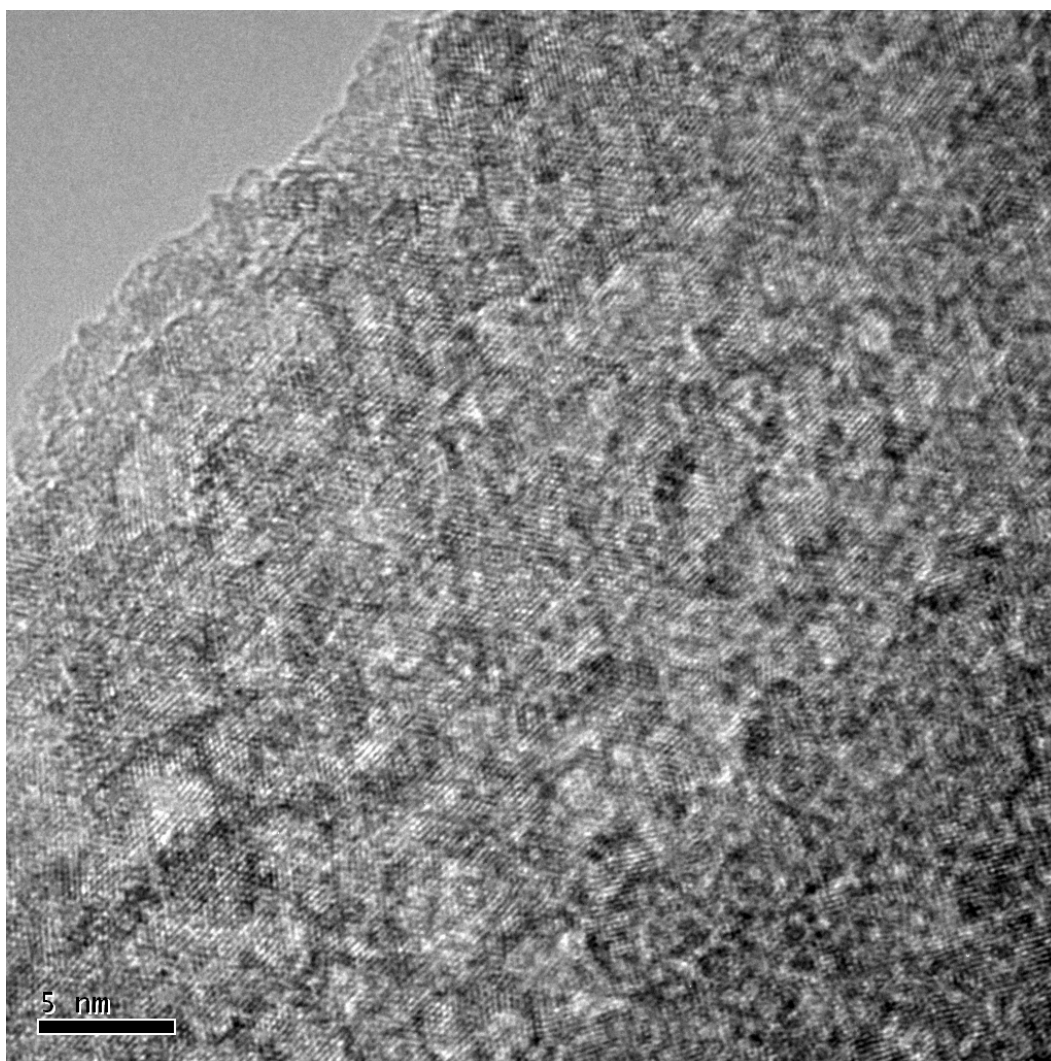


Fig. S1. HRTEM image of the α -Ni(OH)₂.

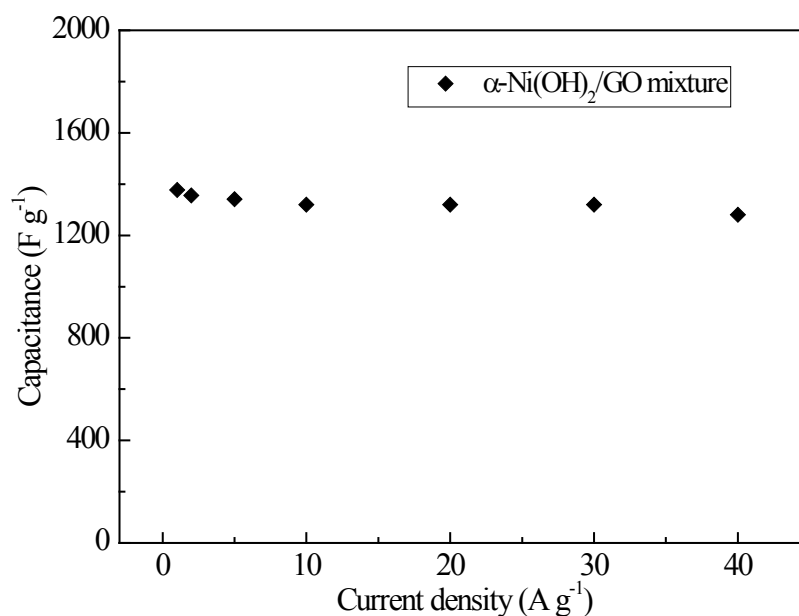


Fig. S2 Specific capacitance of the α -Ni(OH)₂/GO mixture at various discharge current densities. The α -Ni(OH)₂/GO mixture was synthesized using grinding method. Typically, graphene oxide (0.10g) was added into anhydrous ethanol and subjected to ultrasonic vibration to form a homogeneous suspension. Then, the as-prepared α -Ni(OH)₂ (0.8449 g) was added into the above graphene oxide suspension and grinding 1h to form a homogeneous mixture and dried at 60-65 °C in vacuum drying oven.

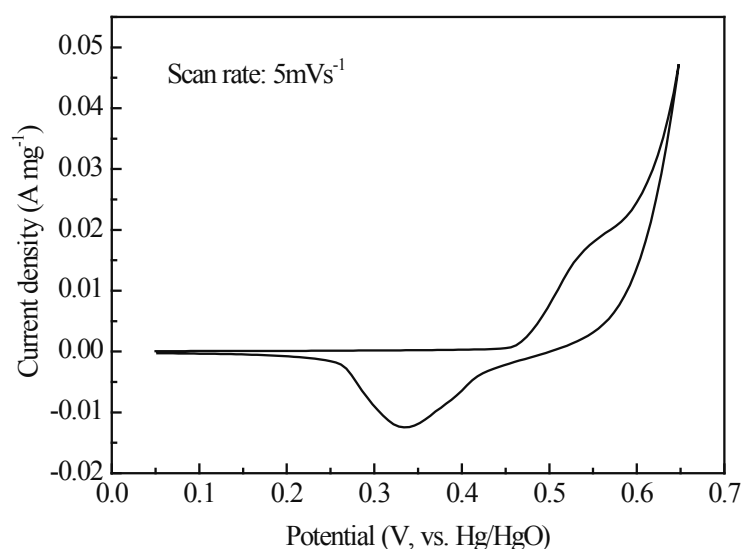


Fig. S3. Cyclic voltammogram of the α -Ni(OH)₂/GO mixture.